

# FLOW CONTROL

## QUICK RELEASE COUPLINGS



#### Series FF/ FH/ FU . Carbon Steel

Material Zinc-Nickel, Zinc-Plating and Thick-Film-Passivation (Chrome III) only FH/FU 51 NBR (Buna-N®), PTFE, PU <sup>2</sup> Surface Finishing Standard Seal Material(s) -25° C ... +100° C / -13° F ... +212° F **Working Temperature** Valve Design Flat Face Connection Push Disconnection Actuate Push Sleeve not allowed, (Male Tip Series FU up to the max. Working Pressure allowed) Connect Under Pressure Application Construction Machinery, Industrial Hydraulic ISO Interchange ISO 16028



#### **Technical Data**

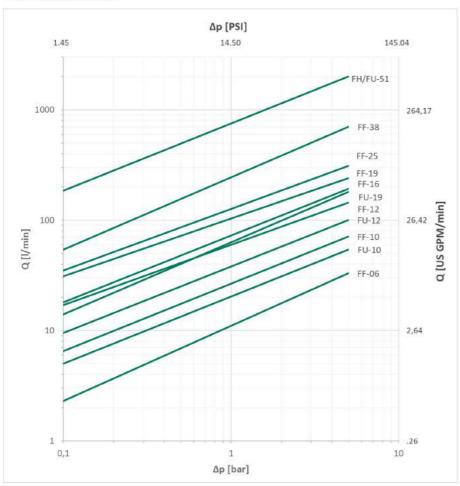
FF/FU

FH

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure* |      | g Pressure<br>nnected | Fema | ale Body | N    | lale Tip | Spillage | ı     |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|------|----------|------|----------|----------|-------|
|        |    | Inch       | ISO 4397     | l/min | US GPM | bar    | PSI         | bar  | PSI                   | bar  | PSI      | bar  | PSI      | ml       | fl oz |
| FF-06  | 1  | 1/4"       | 6,3          | 40    | 10.57  | 400    | 5801        | 1500 | 21756                 | 1220 | 17695    | 2000 | 29007    | 0,01     | .0003 |
| FF-10  | 2  | 3/8"       | 10           | 80    | 21.13  | 350    | 5076        | 1400 | 20305                 | 1100 | 15954    | 1500 | 21756    | 0,015    | .0005 |
| FF-12  | 3  | 1/2"       | 12,5         | 120   | 31.70  | 350    | 5076        | 1400 | 20305                 | 1050 | 15229    | 1500 | 21756    | 0,02     | .0007 |
| FF-16  | 4A | 5/8*       | 16           | 150   | 39.63  | 350    | 5076        | 1600 | 23206                 | 1200 | 17404    | 1200 | 17404    | 0,02     | .0007 |
| FF-19  | 4  | 3/4"       | 19           | 200   | 52.83  | 350    | 5076        | 1200 | 17404                 | 1200 | 17404    | 1300 | 18854    | 0,032    | .0011 |
| FF-25  | 5  | 1"         | 25           | 380   | 100.39 | 260    | 3771        | 1200 | 17404                 | 820  | 11893    | 1040 | 15083    | 0,03     | .0010 |
| FF-38  | 6  | 1 1/2"     | 38           | 600   | 158.50 | 300    | 4351        | 1000 | 14504                 | 1000 | 14504    | 1000 | 14504    | 0,155    | .0052 |
| FH-51  | 7  | 2"         | 51           | 1000  | 264.17 | 150    | 2176        | 650  | 9427                  | 650  | 9427     | 700  | 10153    | 0,1      | .0034 |
| FU-10  | 2  | 3/8"       | 10           | 80    | 21.13  | 350    | 5076        | 1700 | 24656                 |      |          | 1500 | 21756    | 0,015    | .0005 |
| FU-12  | 3  | 1/2"       | 12,5         | 120   | 31.70  | 350    | 5076        | 1500 | 21756                 |      |          | 1400 | 20305    | 0.02     | .0007 |
| FU-19  | 4  | 3/4"       | 19           | 180   | 47.55  | 350    | 5076        | 1600 | 23206                 |      |          | 1600 | 23206    | 0,032    | .0011 |

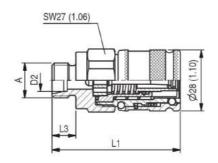
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

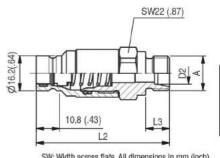
#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup>Alternative seal materials are available on request,





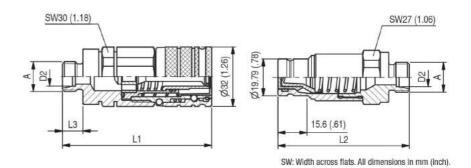
SW: Width across flats. All dimensions in mm (inch).

FF/FU

FH

## Series FF-06 • BG 1 • Nominal Size 6,3

| hread according 1-18 1-18 2-18 2-18 2-18 | 55<br>2.17<br>55<br>2.17<br>55<br>2.17<br>55<br>2.17 | 54<br>2.13<br>54<br>2.13<br>52<br>2.05 | NSI B 1.20                         | 12<br>47<br>12,8             | FF06-1-IGF04<br>QRC-FF-06-F-G04-BT-W3<br>FF06-1-INF04<br>QRC-FF-06-F-NF04-BT-W3 | (*9 <sub>706)</sub> ca.<br>per 100<br>21.20<br>46.74<br>22,10<br>48.72 | Old Part Numbers<br>STAUFF Ordering Codes<br>FF06-2-IGF04<br>QRC-FF-06-M-G04-S1-W3<br>FF06-2-INF04       | ( <sup>k0</sup> / <sub>105</sub> ) ca<br>per 100<br>10,20<br>22.49<br>10.60   |
|--|--|--|------------------------------------|------------------------------|---|--|--|---|
| hread according                          | 55<br>2.17<br>55<br>2.17<br>55<br>2.17<br>55<br>2.17 | 54<br>2.13<br>54<br>2.13<br>52<br>2.05 | NSI B 1.20                         | 0.3 - S<br>12<br>47<br>12,8  | FF06-1-IGF04<br>QRC-FF-06-F-G04-BT-W3<br>FF06-1-INF04<br>QRC-FF-06-F-NF04-BT-W3 | 21,20<br>46.74<br>22,10  | FF06-2-IGF04<br>QRC-FF-06-M-G04-S1-W3<br>FF06-2-INF04  | 10,20<br>22.49  |
| '-18<br>'-18                             | 55<br>2.17<br>55<br>2.17<br>55<br>2.17<br>55<br>2.17 | 54<br>2.13<br>54<br>2.13<br>52<br>2.05 | 1                                  | 12<br>47<br>12,8             | FF06-1-IGF04<br>QRC-FF-06-F-G04-BT-W3<br>FF06-1-INF04<br>QRC-FF-06-F-NF04-BT-W3 | 46.74<br>22,10   | QRC-FF-06-M-G04-S1-W3<br>FF06-2-INF04  | 22.49   |
| '-18                                     | 2.17<br>55<br>2.17<br>55<br>2.17<br>ical Bore        | 2.13<br>54<br>2.13<br>52<br>2.05       | 1                                  | 47<br>12,8                   | QRC-FF-06-F-G04-BT-W3<br>FF06-1-INF04<br>QRC-FF-06-F-NF04-BT-W3                 | 46.74<br>22,10   | QRC-FF-06-M-G04-S1-W3<br>FF06-2-INF04  | 22.49   |
| '-18                                     | 55<br>2.17<br>55<br>2.17<br>ical Bore                | 54<br>2.13<br>52<br>2.05               | 1                                  | 12,8                         | FF06-1-INF04<br>QRC-FF-06-F-NF04-BT-W3  | 22,10  | FF06-2-INF04   | 100000000000000000000000000000000000000   |
| '-18                                     | 2.17<br>55<br>2.17<br>ical Bore                      | 2.13<br>52<br>2.05                     |                                    |                              | QRC-FF-06-F-NF04-BT-W3  |  |  | 10.60   |
| '-18                                     | 55<br>2.17<br>ical Bore                              | 52<br>2.05                             |                                    |                              |   | 48 72  |  |   |
|  | 2.17<br>ical Bore                                    | 2.05                                   |                                    |                              | EFFOR A HIFFOR  | 10.12  | QRC-FF-06-M-NF04-S1-W3   | 23.37   |
|  | ical Bore  |  |                                    | CO.                          | FF06-1-IUF06  | 21,30  | FF06-2-IUF06   | 10,30   |
| ead with 24° Con                         |  | e - Shap                               |                                    | 50                           | QRC-FF-06-F-U06-BT-W3   | 46.96  | QRC-FF-06-M-U06-S1-W3  | 22.71   |
| 01                                       | 57   | 60                                     | 10                                 | unig                         | FF06-1-L0814  | 18   | FF06-2-L0814   | 10,20   |
| 8L                                       | 2.24   | 2.36                                   | .39                                |                              | QRC-FF-06-F-08L-BT-W3   | 39.68  | QRC-FF-06-M-08L-S1-W3  | 22.49   |
|  | 59   | 61                                     | 11                                 |                              | FF06-1-L1016  | 18.20  | FF06-2-L1016   | 10,60   |
| 10L                                      | 2.32   | 2.40                                   | .43                                |                              | QRC-FF-06-F-10L-BT-W3   | 40.12  | QRC-FF-06-M-10L-S1-W3  | 23.40   |
| ead with 24° Con                         | ical Bore  | e - Bulk                               | head - Sha                         | ape W                        | according to DIN 3861   |  |  |   |
| - Lan                                    | 73   | 75                                     | 25                                 |                              | FF06-1-N0814  | 19,40  | FF06-2-N0814   | 10.30   |
| 8L                                       | 2.87   | 2.95                                   | .98                                |                              | QRC-FF-06-F-08LB-BT-W3  | 42.77  | QRC-FF-06-M-08LB-S1-W3   | 22.71   |
|  | 74   | 76                                     | 26                                 |                              | FF06-1-N1016  | 20   | FF06-2-N1016   | 10.90   |
| 10L                                      | 2.91   | 2.99                                   | 1.02                               |                              | QRC-FF-06-F-10LB-BT-W3  | 44.09  | QRC-FF-06-M-10LB-S1-W3   | 24.03   |
| ea                                       | d with 24° Con<br>8L<br>10L                          | 8L 73<br>2.87                          | 8L 73 75<br>2.87 2.95<br>10l 74 76 | 8L 73 75 25<br>2.87 2.95 .98 | 8L 73 75 25<br>2.87 2.95 .98<br>100 74 76 26                                    | 8L 2.87 2.95 .98 QRC-FF-06-F-08LB-BT-W3 101 74 76 26 FF06-1-N1016      | 8L 73 75 25 FF06-1-N0814 19.40<br>2.87 2.95 .98 QRC-FF-06-F-08LB-BT-W3 42.77<br>74 76 26 FF06-1-N1016 20 | 8L 73 75 25 FF06-1-N0814 19.40 FF06-2-N0814<br>2.87 2.95 .98 QRC-FF-06-F-08LB-BT-W3 42.77 QRC-FF-06-M-08LB-S1-W3<br>74 76 26 FF06-1-N1016 20 FF06-2-N1016 |



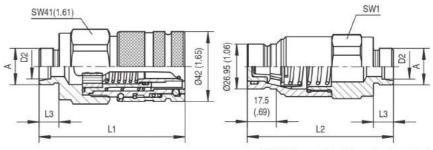
## Series FF-10 • BG 2 • Nominal Size 10

|             | Port A             | Dimer     | nsions   |          |        |          | Female Body              | Weight       | Male Tip               | Weight     |
|-------------|--------------------|-----------|----------|----------|--------|----------|--------------------------|--------------|------------------------|------------|
|             |                    | (mm/in)   |          |          |        |          | Old Part Numbers         | (kg/ibs) ca. | Old Part Numbers       | (kg/lbs) C |
|             |                    | ØD2       | L1       | L2       | L3     | L4       | STAUFF Ordering Codes    | per 100      | STAUFF Ordering Codes  | per 100    |
|             | Female Thread a    | ccording  | to DIN 3 | 852-2 -  | ISO 61 | 49-1 - A | NSI B 1.20.3-SAE J1926-1 |              |                        |            |
|             | G 3/8"             |           | 69       | 64,9     |        | 14,2     | FF10-1-IGF06             | 28,50        | FF10-2-IGF06           | 12,70      |
|             | G 3/8              |           | 2.72     | 2.56     |        | .56      | QRC-FF-10-F-G06-BT-W3    | 62.83        | QRC-FF-10-M-G06-BP-W3  | 28         |
| $\Box$ P    | 0.4 (0)            |           | 69       | 64,9     |        | 14,2     | FF10-1-IGF08             | 27           | FF10-2-IGF08           | 12,10      |
| TH <        | G 1/2"             |           | 2.72     | 2.56     |        | .56      | QRC-FF-10-F-G08-BT-W3    | 59.52        | QRC-FF-10-M-G08-BP-W3  | 26.68      |
| 1           | NIDTE O IOU 40     |           | 69       | 64,9     |        |          | FF10-1-INF06             | 28,70        | FF10-2-INF06           | 12,90      |
| LA          | NPTF 3/8"-18       |           | 2.72     | 2.56     |        |          | QRC-FF-10-F-NF06-BT-W3   | 63.27        | QRC-FF-10-M-NF06-BP-W3 | 28.44      |
|             |                    |           | 70       | 62,9     |        |          | FF10-1-INF08             | 28           | FF10-2-INF08           | 13,70      |
|             | NPTF 1/2"-14       |           | 2.76     | 2.48     |        |          | QRC-FF-10-F-NF08-BT-W3   | 61.73        | QRC-FF-10-M-NF08-BP-W3 | 30.20      |
|             |                    |           | 69       | 62,9     |        | 14,3     | FF10-1-IUF08             | 27,50        | FF10-2-IUF08           | 13,80      |
|             | UNF 3/4"-16        |           | 2.72     | 2.48     |        | .56      | QRC-FF-10-F-U08-BT-W3    | 60.63        | QRC-FF-10-M-U08-BP-W3  | 30.42      |
|             | Male Thread with   | h 24° Con | ical Bor | e - Shar | e W ac | cordina  | to DIN 3861              |              |                        |            |
|             |                    |           | 80       | 70.4     | 11     |          | FF10-1-L1016             | 30           | FF10-2-L1016           | 14,70      |
|             | M16x1,5            | 10L       | 3.15     | 2.77     | .43    |          | ORC-FF-10-F-10L-BT-W3    | 66.14        | ORC-FF-10-M-10L-BP-W3  | 32.41      |
| P-13-7      |                    |           | 80       | 70.4     | 11     |          | FF10-1-L1218             | 30           | FF10-2-L1218           | 14,70      |
|             | M18x1,5            | 12L       | 3.15     | 2.77     | .43    |          | ORC-FF-10-F-12L-BT-W3    | 66.14        | QRC-FF-10-M-12L-BP-W3  | 32.41      |
| Щ. П. В. С. | Tourse services or |           | 81       | 71.4     | 12     |          | FF10-1-L1522             | 30,70        | FF10-2-L1522           | 15.20      |
|             | M22x1,5            | 15L       | 3.19     | 2.81     | .47    | _        | QRC-FF-10-F-15L-BT-W3    | 67.68        | QRC-FF-10-M-15L-BP-W3  | 33.51      |
| 3           |                    |           | 81       | 71.4     | 12     |          | FF10-1-S1220             | 30.90        | FF10-2-S1220           | 15,40      |
|             | M20x1,5            | 128       | 3.19     | 2.81     | .47    |          | QRC-FF-10-F-12S-BT-W3    | 68.12        | QRC-FF-10-M-12S-BP-W3  | 33.95      |
|             |                    |           | 83       | 73.4     | 14     |          | FF10-1-S1624             | 31,60        | FF10-2-S1624           | 15,90      |
|             | M24x1,5            | 168       | 3.27     | 2.89     | .55    |          | QRC-FF-10-F-16S-BT-W3    | 69.67        | QRC-FF-10-M-16S-BP-W3  | 35.05      |
|             | 70                 |           |          |          |        |          |                          | 09.07        | UNC-FF-10-W-105-BF-W3  | 33,03      |
|             | Male Thread wit    | h 24° Con | ical Bor |          |        | Shape W  | according to DIN 3861    |              |                        |            |
|             | M16x1.5            | 10L       | 87       | 85,4     | 26     |          | FF10-1-N1016             | 286          | FF10-2-N1016           | 165        |
|             | WITONI,O           | 100       | 3.43     | 3.36     | 1.02   |          | QRC-FF-10-F-10LB-BT-W3   | 629.20       | QRC-FF-10-M-10LB-BP-W3 | 363.00     |
| 13          | M18x1,5            | 12L       | 87       | 85,4     | 26     |          | FF10-1-N1218             | 289          | FF10-2-N1218           | 168        |
|             | C,IXOLIM           | IZL       | 3.43     | 3.36     | 1.02   |          | QRC-FF-10-F-12LB-BT-W3   | 635.80       | QRC-FF-10-M-12LB-BP-W3 | 369.60     |
|             | Linout E           | 451       | 88       | 86,4     | 27     |          | FF10-1-N1522             | 306          | FF10-2-N1522           | 184        |
| B[<         | M22x1,5            | 15L       | 3.46     | 3.40     | 1.06   |          | QRC-FF-10-F-15LB-BT-W3   | 673.20       | QRC-FF-10-M-15LB-BP-W3 | 404.80     |
|             | 1100 4 5           | 400       | 88       | 86,4     | 27     |          | FF10-1-T1220             | 308          | FF10-2-T1220           | 186        |
|             | M20x1,5            | 128       | 3.46     | 3.40     | 1.06   |          | QRC-FF-10-F-12SB-BT-W3   | 678.48       | QRC-FF-10-M-12SB-BP-W3 | 408.10     |
|             |                    | 400       | 89,6     | 88.4     | 29     |          | FF10-1-T1624             | 324          | FF10-2-T1624           | 199        |
|             | M24x1,5            | 16S       | 3.53     | 3.48     | 1.14   |          | ORC-FF-10-F-16SB-BT-W3   | 712.80       | QRC-FF-10-M-16SB-BP-W3 | 438.46     |

SW: Width across flats. All dimensions in mm (inch).

## Series FF-12 • BG 3 • Nominal Size 12,5

|         | Port A                                  | Dimer<br>(mm/m) | nsions   |           |          |          | Female Body Old Part Numbers | Weight (kg/lbs) ca. | Male Tip Old Part Numbers | Weigh<br>(*9/15s) C |
|---------|---|-----------------|----------|-----------|----------|----------|------------------------------|---------------------|---------------------------|---------------------|
|         |   | ØD2             | L1       | L2        | L3       | L4       | STAUFF Ordering Codes        | per 100             | STAUFF Ordering Codes     | per 100             |
|         | Female Thread a                         | ccording        | to DIN 3 | 852-2 -   | ISO 614  | 19-1 - A | NSI B 1.20.3-SAE J1926-1     |                     |                           |                     |
|         |   |                 | 84       | 71        |          | 14       | FF12-1-IGF08                 | 50                  | FF12-2-IGF08              | 25.50               |
|         | G 1/2"                                  |                 | 3.31     | 2.80      |          | .55      | ORC-FF-12-F-G08-BT-W3        | 110.23              | QRC-FF-12-M-G08-BP-W3     | 56.22               |
|         | St. States                              |                 | 84       | 72        |          | 18       | FF12-1-IGF12                 | 46.60               | FF12-2-IGF12              | 23,50               |
|         | G 3/4"                                  |                 | 3.31     | 2.84      |          | .71      | QRC-FF-12-F-G12-BT-W3        | 102.74              | QRC-FF-12-M-G12-BP-W3     | 51.81               |
|         |   |                 | 84       | 71        |          |          | FF12-1-INF08                 | 50,70               | FF12-2-INF08              | 26                  |
| □P1     | NPTF 1/2"-14                            |                 | 3.31     | 2.80      |          |          | QRC-FF-12-F-NF08-BT-W3       | 111.77              | QRC-FF-12-M-NF08-BP-W3    | 57.32               |
| TH .    | 100000000000000000000000000000000000000 |                 | 84       | 72        |          |          | FF12-1-INF12                 | 47,70               | FF12-2-INF12              | 24,10               |
|         | NPTF 3/4"-14                            |                 | 3.31     | 2.84      |          |          | QRC-FF-12-F-NF12-BT-W3       | 105.16              | QRC-FF-12-M-NF12-BP-W3    | 53.13               |
| 02422   |   |                 | 84       | 72        |          | 14,3     | FF12-1-IUF08                 | 50,90               | FF12-2-IUF08              | 26,30               |
| -       | UNF 3/4"-16                             |                 | 3.31     | 2.83      |          | .56      | QRC-FF-12-F-U08-BT-W3        | 112.22              | QRC-FF-12-M-U08-BP-W3     | 57.98               |
|         |   |                 | 84       | 72        |          | 16,7     | FF12-1-IUF10                 | 49                  | FF12-2-IUF10              | 25,30               |
|         | UNF 7/8"-14                             |                 | 3.31     | 2.84      |          | .66      | QRC-FF-12-F-U10-BT-W3        | 108.03              | QRC-FF-12-M-U10-BP-W3     | 55.78               |
|         |   |                 | 84       | 76        |          | 19       | FF12-1-IUF12                 | 45,60               | FF12-2-IUF12              | 24,50               |
|         | UN 1" 1/16-12                           |                 | 3.31     | 2.99      |          | .75      | QRC-FF-12-F-U12-BT-W3        | 100.53              | QRC-FF-12-M-U12-BP-W3     | 54.01               |
|         | Male Thread with                        | h 24° Con       | ical Bor | e - Shap  | e W ac   | cording  | to DIN 3861                  |                     |                           |                     |
|         | ASSESSMEN.                              | lies s          | 86       | 81.5      | 11       |          | FF12-1-L1218                 | 48.10               | FF12-2-L1218              | 27.70               |
|         | M18x1,5                                 | 12L             | 3.39     | 3.21      | .43      |          | QRC-FF-12-F-12L-BT-W3        | 106.04              | QRC-FF-12-M-12L-BP-W3     | 61.07               |
|         |   |                 | 87       | 82,5      | 12       |          | FF12-1-L1522                 | 48.60               | FF12-2-L1522              | 28,40               |
|         | M22x1,5                                 | 15L             | 3.43     | 3.25      | .47      |          | QRC-FF-12-F-15L-BT-W3        | 107.14              | QRC-FF-12-M-15L-BP-W3     | 62.61               |
|         |   |                 | 87       | 82,5      | 12       |          | FF12-1-L1826                 | 47,60               | FF12-2-L1826              | 28,70               |
| -       | M26x1,5                                 | 18L             | 3.43     | 3.25      | .47      |          | QRC-FF-12-F-18L-BT-W3        | 104.94              | QRC-FF-12-M-18L-BP-W3     | 63.27               |
| 14 8 4  |   |                 | 89       | 84,5      | 14       |          | FF12-1-L2230                 | 48,20               | FF12-2-L2230              | 29,10               |
| 7       | M30x2                                   | 22L             | 3.50     | 3.33      | .55      |          | QRC-FF-12-F-22L-BT-W3        | 106.26              | QRC-FF-12-M-22L-BP-W3     | 64.15               |
| d       |   | 1122            | 89       | 84,5      | 14       |          | FF12-1-S1624                 | 49.50               | FF12-2-S1624              | 29,30               |
|         | M24x1,5                                 | 16S             | 3.50     | 3.33      | .55      |          | QRC-FF-12-F-16S-BT-W3        | 109.13              | QRC-FF-12-M-16S-BP-W3     | 64.60               |
|         |   |                 | 91       | 86,5      | 16       |          | FF12-1-S2030                 | 50.50               | FF12-2-S2030              | 30,70               |
|         | M30x2                                   | 208             | 3.58     | 3.41      | .63      |          | QRC-FF-12-F-20S-BT-W3        | 111.33              | QRC-FF-12-M-20S-BP-W3     | 67.68               |
|         | Male Thread with                        | h 24° Coni      | ical Bor | e - Bulkt | nead - S | Shape W  | according to DIN 3861        |                     |                           |                     |
|         |   |                 | 91       | 94        | 26       |          | FF12-1-N1218                 | 42,40               | FF12-2-N1218              | 28                  |
|         | M18x1,5                                 | 12L             | 3.58     | 3.70      | 1.02     |          | QRC-FF-12-F-12LB-BT-W3       | 93.48               | QRC-FF-12-M-12LB-BP-W3    | 61.73               |
|         | 2000000000                              |                 | 92       | 95        | 27       |          | FF12-1-N1522                 | 44.20               | FF12-2-N1522              | 29.80               |
| 00      | M22x1,5                                 | 15L             | 3.62     | 3.74      | 1.06     |          | QRC-FF-12-F-15LB-BT-W3       | 97.44               | QRC-FF-12-M-15LB-BP-W3    | 65.70               |
|         |   |                 | 92       | 95        | 27       |          | FF12-1-N1826                 | 45.70               | FF12-2-N1826              | 31,30               |
|         | M26x1,5                                 | 18L             | 3.62     | 3.74      | 1.06     |          | ORC-FF-12-F-18LB-BT-W3       | 100.75              | ORC-FF-12-M-18LB-BP-W3    | 69.00               |
|         |   |                 | 99       | 102.0     | 34       |          | FF12-1-N2230                 | 48.70               | FF12-2-N2230              | 34,40               |
| 1       | M30x2                                   | 22L             | 3.90     | 4.02      | 1.34     |          | ORC-FF-12-F-22LB-BT-W3       | 107.37              | ORC-FF-12-M-22LB-BP-W3    | 75.84               |
| nicht . | 285-267 (2025)                          | uss             | 94       | 97        | 29       |          | FF12-1-T1624                 | 45.50               | FF12-2-T1624              | 31,60               |
|         | M24x1,5                                 | 168             | 3.70     | 3.82      | 1.14     | 1        | ORC-FF-12-F-16SB-BT-W3       | 100.31              | QRC-FF-12-M-16SB-BP-W3    | 69.67               |
|         |   | 208             | 101      | 104       | 36       |          | FF12-1-T2030                 | 51.50               | FF12-2-T2030              | 37.20               |
|         | M30x2                                   |                 | 3.98     | 4.09      | 1.42     |          | QRC-FF-12-F-20SB-BT-W3       | 113.54              | QRC-FF-12-M-20SB-BP-W3    | 82.01               |



SW: Width across flats. All dimensions in mm (inch).

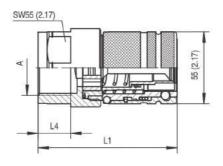
## Series FF-16 • BG 4A • Nominal Size 16

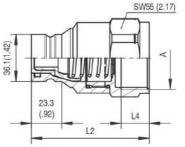
|          | Port A           | Dimer      | nsions   |           |          |        |          | Female Body            | Weight       | Male Tip               | Weight                   |
|----------|------------------|------------|----------|-----------|----------|--------|----------|------------------------|--------------|------------------------|--------------------------|
|          |                  | (mm/in)    |          |           |          |        |          | Old Part Numbers       | (Ko/ibs) Ca. | Old Part Numbers       | ( <sup>k0</sup> /lbs) C8 |
|          |                  | ØD2        | L1       | L2        | L3       | L4     | SW1      | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100                  |
|          | Female Thread a  | ccording t | o DIN 3  | 852-2 -   | ANSI B   | 1.20.3 | - SAE J1 | 926-1                  |              |                        |                          |
|          |                  |            | 87       | 73        |          | 16     | 36       | FF16-1-IGF12           | 64.10        | FF16-2-IGF12           | 29.20                    |
|          | G 3/4"           |            | 3.43     | 2.87      |          | .63    | 1.42     | QRC-FF-16-F-G12-BT-W3  | 141.32       | QRC-FF-16-M-G12-BP-W3  | 64.38                    |
| $\neg P$ | 2012             |            | 89       | 80        |          | 18     | 41       | FF16-1-IGF16           | 66,90        | FF16-2-IGF16           | 28,50                    |
| TH. <    | G 1"             |            | 3.50     | 3.15      |          | .71    | 1.61     | QRC-FF-16-F-G16-BT-W3  | 147.49       | QRC-FF-16-M-G16-BP-W3  | 62.83                    |
| 1        | NOTE OVER 4 4    |            | 87       | 76        |          |        | 36       | FF16-1-INF12           | 66,90        | FF16-2-INF12           | 34,00                    |
| LA       | NPTF 3/4"-14     |            | 3.43     | 2.99      |          |        | 1.42     | QRC-FF-16-F-NF12-BT-W3 | 147.49       | QRC-FF-16-M-NF12-BP-W3 | 74.96                    |
|          | 101 40 4 40 40   |            | 87       | 78        |          | 19     | 36       | FF16-1-IUF12           | 65,10        | FF16-2-IUF12           | 33,50                    |
|          | UN 1" 1/16-12    |            | 3.43     | 3.07      |          | .75    | 1.42     | QRC-FF-16-F-U12-BT-W3  | 143.52       | QRC-FF-16-M-U12-BP-W3  | 73.86                    |
|          | Male Thread with | h 24° Coni | cal Bore | e - Shap  | e W acc  | ording | to DIN 3 | 861                    |              |                        |                          |
|          | 222273727        |            | 87       | 88        | 12       |        | 36       | FF16-1-L1522           | 60.80        | FF16-2-L1522           | 36.60                    |
|          | M22x1,5          | 15L        | 3.43     | 3.46      | .47      |        | 1.42     | ORC-FF-16-F-15L-BT-W3  | 134.04       | QRC-FF-16-M-15L-BP-W3  | 80.69                    |
|          | 1100 1 5         | 4.01       | 87       | 88        | 12       |        | 36       | FF16-1-L1826           | 61,30        | FF16-2-L1826           | 36,90                    |
|          | M26x1,5          | 18L        | 3.43     | 3.46      | .47      |        | 1.42     | QRC-FF-16-F-18L-BT-W3  | 135.14       | QRC-FF-16-M-18L-BP-W3  | 81.35                    |
|          | 1100.0           | 001        | 89       | 90        | 14       |        | 36       | FF16-1-L2230           | 61,80        | FF16-2-L2230           | 37,30                    |
| 1        | M30x2            | 22L        | 3.50     | 3.54      | .55      |        | 1.42     | QRC-FF-16-F-22L-BT-W3  | 136.25       | QRC-FF-16-M-22L-BP-W3  | 82.23                    |
| 11 8 4   | M24x1,5          | 16S        | 89       | 90        | 14       |        | 36       | FF16-1-S1624           | 61,80        | FF16-2-S1624           | 37,40                    |
| 7        | W24X1,0          | 100        | 3.50     | 3.54      | .55      |        | 1.42     | QRC-FF-16-F-16S-BT-W3  | 136.25       | QRC-FF-16-M-16S-BP-W3  | 82.45                    |
|          | M30x2            | 208        | 91       | 92        | 16       |        | 36       | FF16-1-S2030           | 63,30        | FF16-2-S2030           | 43.90                    |
|          | MOUKE            | 203        | 3.58     | 3.62      | .63      |        | 1.42     | QRC-FF-16-F-20S-BT-W3  | 139.55       | QRC-FF-16-M-20S-BP-W3  | 96.78                    |
|          | M36x2            | 258        | 93       | 94        | 18       |        | 41       | FF16-1-S2536           | 65,60        | FF16-2-S2536           | 47,20                    |
|          | MOOKE            | 200        | 3.66     | 3.70      | .71      |        | 1.61     | QRC-FF-16-F-25S-BT-W3  | 144.62       | QRC-FF-16-M-25S-BP-W3  | 104.06                   |
|          | Male Thread with | n 24° Coni | cal Bore | e - Bulkh | nead - S | hape W | accordi  | ng to DIN 3861         |              |                        |                          |
|          | 1400-4 5         | 461        | 102      | 103       | 27       |        | 36       | FF16-1-N1522           | 63,60        | FF16-2-N1522           | 39,50                    |
|          | M22x1,5          | 15L        | 4.02     | 4.06      | 1.06     |        | 1.42     | QRC-FF-16-F-15LB-BT-W3 | 140.21       | QRC-FF-16-M-15LB-BP-W3 | 87.08                    |
|          | MOCH F           | 401        | 102      | 103       | 27       |        | 36       | FF16-1-N1826           | 65,10        | FF16-2-N1826           | 41,10                    |
| 18 10    | M26x1,5          | 18L        | 4.02     | 4.06      | 1.06     |        | 1.42     | QRC-FF-16-F-18LB-BT-W3 | 143.52       | QRC-FF-16-M-18LB-BP-W3 | 90.61                    |
|          | 1400.0           | 001        | 109      | 110       | 34       |        | 36       | FF16-1-N2230           | 68,10        | FF16-2-N2230           | 43,90                    |
|          | M30x2            | 22L        | 4.29     | 4.33      | 1.34     |        | 1.42     | QRC-FF-16-F-22LB-BT-W3 | 150.14       | QRC-FF-16-M-22LB-BP-W3 | 96.78                    |
| B  4     | M24x1.5          | 16S        | 104      | 105       | 29       |        | 36       | FF16-1-T1624           | 65,40        | FF16-2-T1624           | 41,40                    |
| - D      | 1 WZ4X1,0        | 103        | 4.09     | 4.13      | 1.14     |        | 1.42     | QRC-FF-16-F-16SB-BT-W3 | 144.18       | QRC-FF-16-M-16SB-BP-W3 | 91.27                    |
|          | M30x2            | 208        | 111      | 112       | 36       |        | 36       | FF16-1-T2030           | 71,00        | FF16-2-T2030           | 46,90                    |
|          | IVISUXZ          | 200        | 4.37     | 4.41      | 1.42     |        | 1.42     | QRC-FF-16-F-20SB-BT-W3 | 156.53       | QRC-FF-16-M-20SB-BP-W3 | 103.40                   |
|          | M36x2            | 25S        | 113      | 114       | 38       |        | 41       | FF16-1-T2536           | 76,20        | FF16-2-T2536           | 58,20                    |
|          | WOOKZ            | 200        | 4.45     | 4.49      | 1.50     |        | 1.61     | QRC-FF-16-F-25SB-BT-W3 | 167.99       | QRC-FF-16-M-25SB-BP-W3 | 128.31                   |

#### Series FF-19 • BG 4 • Nominal Size 19

FF/FU

|             | Port A           |          | nsions   |          |          |          | Female Body              | Weight      | Male Tip               | Weight      |
|-------------|------------------|----------|----------|----------|----------|----------|--------------------------|-------------|------------------------|-------------|
|             |                  | (mm/in)  |          |          |          |          | Old Part Numbers         | (kg/ms) ca. | Old Part Numbers       | (kg/lbs) G8 |
|             |                  | ØD2      | L1       | L2       | L3       | L4       | STAUFF Ordering Codes    | per 100     | STAUFF Ordering Codes  | per 100     |
|             | Female Thread a  | ccording | to DIN 3 | 852-2 -  | ISO 61   | 49-1 - 4 | NSI B 1.20.3-SAE J1926-1 |             |                        |             |
|             | 0.044            |          | 99       | 84       |          | 16       | FF19-1-IGF12             | 92,90       | FF19-2-IGF12           | 53,10       |
|             | G 3/4"           |          | 3.89     | 3.31     |          | .63      | QRC-FF-19-F-G12-BT-W3    | 204.81      | QRC-FF-19-M-G12-BP-W3  | 117.07      |
|             | 0.41             |          | 99       | 84       |          | 18       | FF19-1-IGF16             | 87,50       | FF19-2-IGF16           | 47,40       |
|             | G 1"             |          | 3.89     | 3.31     |          | .71      | QRC-FF-19-F-G16-BT-W3    | 192.90      | QRC-FF-19-M-G16-BP-W3  | 104.50      |
| $\exists P$ | NIDTE O (48 4 4  |          | 99       | 84       |          |          | FF19-1-INF12             | 94,40       | FF19-2-INF12           | 54,40       |
| 74          | NPTF 3/4"-14     |          | 3.90     | 3.31     |          |          | QRC-FF-19-F-NF12-BT-W3   | 208.12      | QRC-FF-19-M-NF12-BP-W3 | 119.93      |
| 1           | NPTF 1"-11 1/2   |          | 99       | 84       |          |          | FF19-1-INF16             | 90,50       | FF19-2-INF16           | 50,50       |
| 14          | NP1F 1 -11 1/2   |          | 3.90     | 3.31     |          |          | QRC-FF-19-F-NF16-BT-W3   | 199.52      | QRC-FF-19-M-NF16-BP-W3 | 111.33      |
|             | UN 1" 1/16-12    |          | 99       | 84       |          | 19       | FF19-1-IUF12             | 93,10       | FF19-2-IUF12           | 53          |
|             | UN 1 1/10-12     |          | 3.90     | 3.31     |          | .75      | QRC-FF-19-F-U12-BT-W3    | 205.25      | QRC-FF-19-M-U12-BP-W3  | 116.85      |
|             | UN 1" 5/16-12    |          | 99       | 84       |          | 19       | FF19-1-IUF16             | 89,30       | FF19-2-IUF16           | 47,90       |
|             | UN 1 3/10-12     |          | 3.90     | 3.31     |          | .75      | QRC-FF-19-F-U16-BT-W3    | 196.87      | QRC-FF-19-M-U16-BP-W3  | 105.60      |
|             | Male Thread with | 24° Con  | ical Bor | e - Shap | e W ac   | cording  | to DIN 3861              |             |                        |             |
|             | Lucana           | l sour   | 103      | 96       | 12       |          | FF19-1-L1826             | 91,10       | FF19-2-L1826           | 60.70       |
|             | M26x1,5          | 18L      | 4.06     | 3.76     | .47      |          | QRC-FF-19-F-18L-BT-W3    | 200.84      | QRC-FF-19-M-18L-BP-W3  | 133.82      |
|             | 2022-0           | 10000    | 105      | 98       | 14       |          | FF19-1-L2230             | 91,10       | FF19-2-L2230           | 59.80       |
|             | M30x2            | 22L      | 4.14     | 3.84     | .55      |          | QRC-FF-19-F-22L-BT-W3    | 200.84      | QRC-FF-19-M-22L-BP-W3  | 131.84      |
| T-1         |                  |          | 105      | 98       | 14       |          | FF19-1-L2836             | 90,30       | FF19-2-L2836           | 58.10       |
| 1           | M36x2            | 28L      | 4.14     | 3.84     | .55      |          | QRC-FF-19-F-28L-BT-W3    | 199.08      | QRC-FF-19-M-28L-BP-W3  | 128.09      |
| 11, 1 814   |                  |          | 107      | 100      | 16       |          | FF19-1-S2030             | 93,10       | FF19-2-S2030           | 62,50       |
| 74          | M30x2            | 20S      | 4.22     | 3.92     | .63      |          | QRC-FF-19-F-20S-BT-W3    | 205.25      | QRC-FF-19-M-20S-BP-W3  | 137.79      |
| d           |                  |          | 109      | 102      | 18       |          | FF19-1-S2536             | 94,70       | FF19-2-S2536           | 63,20       |
|             | M36x2            | 25S      | 4.30     | 4.00     | .71      |          | QRC-FF-19-F-25S-BT-W3    | 208.78      | QRC-FF-19-M-25S-BP-W3  | 139.33      |
|             |                  |          | 111      | 104      | 20       |          | FF19-1-S3042             | 96,10       | FF19-2-S3042           | 63,70       |
|             | M42x2            | 30S      | 4.38     | 4.07     | .79      |          | QRC-FF-19-F-30S-BT-W3    | 211.86      | QRC-FF-19-M-30S-BP-W3  | 140.43      |
|             | Male Thread with | 24° Con  | ical Bor | e - Bulk | head - : | Shape \  | V according to DIN 3861  |             |                        |             |
|             |                  |          | 125      | 118      | 34       |          | FF19-1-N1826             | 97.20       | FF19-2-N1826           | 66.80       |
|             | M26x1,5          | 18L      | 4.93     | 4.63     | 1.34     |          | QRC-FF-19-F-18LB-BT-W3   | 214.29      | QRC-FF-19-M-18LB-BP-W3 | 147.27      |
|             |                  | 1        | 125      | 118      | 34       |          | FF19-1-N2230             | 97.70       | FF19-2-N2230           | 66.50       |
| 260         | M30x2            | 22L      | 4.93     | 4.63     | 1.34     |          | QRC-FF-19-F-22LB-BT-W3   | 215.39      | QRC-FF-19-M-22LB-BP-W3 | 146.61      |
| 3           | a para antico    | 122000   | 125      | 118      | 34       |          | FF19-1-N2836             | 99.20       | FF19-2-N2836           | 67          |
|             | M36x2            | 28L      | 4.93     | 4.63     | 1.34     |          | QRC-FF-19-F-28LB-BT-W3   | 218.70      | QRC-FF-19-M-28LB-BP-W3 | 147.71      |
| L_D 8] «    |                  |          | 129      | 120      | 36       |          | FF19-1-T2030             | 101.80      | FF19-2-T2030           | 70.40       |
|             | M30x2            | 205      | 5.09     | 4.70     | 1.42     |          | QRC-FF-19-F-20SB-BT-W3   | 224.43      | QRC-FF-19-M-20SB-BP-W3 | 155.21      |
| 1000        |                  | 1010104  | 129      | 124      | 38       |          | FF19-1-T2536             | 105.76      | FF19-2-T2536           | 74.30       |
|             | M36x2            | 25S      | 5.09     | 4.86     | 1.50     |          | QRC-FF-19-F-25SB-BT-W3   | 233.16      | QRC-FF-19-M-25SB-BP-W3 | 163.80      |
|             | 2070 2           | 30S      | 131      | 124      | 38       |          | FF19-1-T3042             | 110.10      | FF19-2-T3042           | 77.80       |
|             | M42x2            | 000      | 5.17     | 4.86     | 1.50     |          | QRC-FF-19-F-30SB-BT-W3   | 242.73      | QRC-FF-19-M-30SB-BP-W3 | 171.52      |

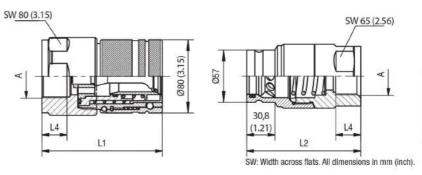




SW: Width across flats. All dimensions in mm (inch).

## Series FF-25 • BG 5 • Nominal Size 25

|     | Port A                | Dimens    | sions |         |        |        | Female Body            | Weight       | Male Tip               | Weight                   |
|-----|-----------------------|-----------|-------|---------|--------|--------|------------------------|--------------|------------------------|--------------------------|
|     |                       | (mm/in)   |       |         |        |        | Old Part Numbers       | (KO/lbs) ca. | Old Part Numbers       | ( <sup>kg</sup> /lbs) Ca |
|     |                       | ØD2       | L1    | L2      | L3     | L4     | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100                  |
|     | Female Thread acc     | ording to | DIN 3 | 852-2 - | ANSI B | 1.20.3 | - SAE J1926-1          |              |                        |                          |
|     | 0.41                  |           | 106   | 90      |        | 18     | FF25-1-IGF16           | 141,50       | FF25-2-IGF16           | 81,50                    |
|     | G 1"                  |           | 4.17  | 3.54    |        | .71    | QRC-FF-25-F-G16-BT-W3  | 311.95       | QRC-FF-25-M-G16-BP-W3  | 179.68                   |
|     | G 1" 1/4              |           | 106   | 90      |        | 20     | FF25-1-IGF20           | 130,10       | FF25-2-IGF20           | 71,40                    |
|     | G 1 1/4               |           | 4.17  | 3.54    |        | .79    | QRC-FF-25-F-G20-BT-W3  | 286.82       | QRC-FF-25-M-G20-BP-W3  | 157.41                   |
|     | 0.411.470             |           | 106   | 95,6    |        | 22     | FF25-1-IGF24           | 120,50       | FF25-2-IGF24           | 83,00                    |
| ⊟PN | G 1" 1/2              |           | 4.17  | 3.76    |        | .87    | QRC-FF-25-F-G24-BT-W3  | 265.66       | QRC-FF-25-M-G24-BP-W3  | 182.98                   |
|     | NPTF 1" 11 1/2        |           | 106   | 90      |        |        | FF25-1-INF16           | 143,00       | FF25-2-INF16           | 83,00                    |
| 1   | NPTF 1 11 1/2         |           | 4.17  | 3.54    |        |        | QRC-FF-25-F-NF16-BT-W3 | 315.26       | QRC-FF-25-M-NF16-BP-W3 | 182.98                   |
| u.  | NETE A II A MARA A MO |           | 106   | 90      |        |        | FF25-1-INF20           | 133,70       | FF25-2-INF20           | 73,60                    |
|     | NPTF 1" 1/4-11 1/2    |           | 4.17  | 3.54    |        |        | QRC-FF-25-F-NF20-BT-W3 | 294.76       | QRC-FF-25-M-NF20-BP-W3 | 162.26                   |
|     | UNI 411 E/40 40       |           | 106   | 90      |        | 19     | FF25-1-IUF16           | 140,50       | FF25-2-IUF16           | 80,80                    |
|     | UN 1" 5/16 - 12       |           | 4.17  | 3.54    |        | .75    | QRC-FF-25-F-U16-BT-W3  | 309.75       | QRC-FF-25-M-U16-BP-W3  | 178.13                   |
|     | UNI 4 II E/O 4 O      |           | 106   | 90      |        | 19     | FF25-1-IUF20           | 132,10       | FF25-2-IUF20           | 72,00                    |
|     | UN 1" 5/8 - 12        |           | 4.17  | 3.54    |        | .75    | QRC-FF-25-F-U20-BT-W3  | 291.23       | QRC-FF-25-M-U20-BP-W3  | 158.73                   |

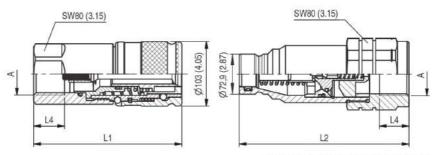


#### Series FF-38 • BG 6 • Nominal Size 38

FF/FU

FH

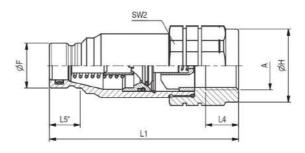
|      | Port A              | Dimensi          | ions  |       |    |      | Female Body                            | Weight                  | Male Tip                               | Weight                              |
|------|---------------------|------------------|-------|-------|----|------|--|-------------------------|--|-------------------------------------|
|      |                     | (mm/in)<br>ØD2 I | L1    | L2    | L3 | L4   | Old Part Numbers STAUFF Ordering Codes | (kg/lbs) ca.<br>per 100 | Old Part Numbers STAUFF Ordering Codes | ( <sup>1g</sup> /lbs) ca<br>per 100 |
|      | Female Thread acc   |                  |       |       |    |      | •                                      | poi 100                 | orner ordering oddes                   | porto                               |
|      | G 1 1/4"            |                  | 131,6 | 124,6 |    | 21,5 | FF38-1-IGF20                           | 388,40                  | FF38-2-IGF20                           | 218,60                              |
|      | G 1 1/4             | 1                | 5.18  | 4.91  |    | .85  | QRC-FF-38-F-G20-S1-W3                  | 856.28                  | QRC-FF-38-M-G20-BT-W3                  | 481.93                              |
|      | 0 1 1/01            |                  | 131,6 | 124,6 |    | 23   | FF38-1-IGF24                           | 379,10                  | FF38-2-IGF24                           | 209,90                              |
|      | G 1 1/2°            | 1                | 5.18  | 4.91  |    | .89  | QRC-FF-38-F-G24-S1-W3                  | 835.77                  | QRC-FF-38-M-G24-BT-W3                  | 462.75                              |
|      | NPTF 1" 1/4- 11 1/2 |                  | 131,6 | 124,6 |    |      | FF38-1-INF20                           | 390,50                  | FF38-2-INF20                           | 221,10                              |
| TH < | NPTF 1 1/4-11 1/2   | 1                | 5.18  | 4.91  |    |      | QRC-FF-38-F-NF20-S1-W3                 | 860.91                  | QRC-FF-38-M-NF20-BT-W3                 | 487.44                              |
| 1    | NPTF 1" 1/2- 11 1/2 |                  | 131,6 | 124,6 |    |      | FF38-1-INF24                           | 381,20                  | FF38-2-INF24                           | 216,80                              |
| Li   | NP1F 1 1/2- 11 1/2  |                  | 5.18  | 4.91  |    |      | QRC-FF-38-F-NF24-S1-W3                 | 840.40                  | QRC-FF-38-M-NF24-BT-W3                 | 477.96                              |
|      | UNI 411 E (0, 40)   |                  | 131,6 | 124,6 |    | 19   | FF38-1-IUF20                           | 387,70                  | FF38-2-IUF20                           | 218,50                              |
|      | UN 1" 5/8-12        |                  | 5.18  | 4.91  |    | .75  | QRC-FF-38-F-U20-S1-W3                  | 854.73                  | QRC-FF-38-M-U20-BT-W3                  | 481.71                              |
|      | UN 1" 7/8-12        |                  | 131,6 | 124,6 |    | 19   | FF38-1-IUF24                           | 376,10                  | FF38-2-IUF24                           | 210,30                              |
|      | UN 1 //0-12         |                  | 5.18  | 4.91  |    | .75  | QRC-FF-38-F-U24-S1-W3                  | 829.16                  | QRC-FF-38-M-U24-BT-W3                  | 463.63                              |



SW: Width across flats. All dimensions in mm (inch).

#### Series FH/FU 51 • BG 7 • Nominal Size 51

|            | Port A          | Dimensions     |         |         |          | Female Body             | Weight       | Male Tip                | Weight       |
|------------|-----------------|----------------|---------|---------|----------|-------------------------|--------------|-------------------------|--------------|
|            |                 | (mm/in)        |         |         |          | Old Part Numbers        | (kg/lbs) Ca. | Old Part Numbers        | (kg/lbs) Ca. |
|            |                 | ØD2 L1         | L2      | L3      | L4       | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes   | per 100      |
|            | Female Thread a | cording to DIN | 3852-2- | A - ANS | I B 1.20 | 3                       |              |                         |              |
|            | G 2"            | 147,4          | 173     |         | 24       | FH51-1-IGF32            | 550          | FU51-2-IGF32            | 489          |
| <b>□</b> ? | 6.2             | 5.80           | 6.81    |         | .94      | QRC-FH-51-F-G32-BT-W66  | 1212.54      | QRC-FU-51-M-G32-BT-W66  | 1078.06      |
| ∏H_<       | NPTF 2" -11 1/2 | 147,4          | 173     |         |          | FH51-1-INF32            | 540          | FU51-2-INF32            | 479          |
| 1          | NP1F2 -11 1/2   | 5.80           | 6.81    |         |          | QRC-FH-51-F-NF32-BT-W66 | 1190.50      | QRC-FU-51-M-NF32-BT-W66 | 1056.01      |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series FU-12.
\* Insertion Male Tip

#### Series FU-10 \* BG 2 \* Nominal Size 10 \* Connect Under Pressure

|   | Port A       | Dimen          | sions    |       |     |      |      | Male Tip              | Weight       |
|---|--------------|----------------|----------|-------|-----|------|------|-----------------------|--------------|
|   |              | (mm/in)        |          |       |     |      |      | Old Part Numbers      | (1-9/lbs) Ca |
|   |              | ØF             | ØH       | L1    | L4  | L5   | SW2  | STAUFF Ordering Codes | per 100      |
|   | Female Threa | ad according t | to DIN 3 | 852-2 |     |      |      |                       |              |
|   | G 3/8"       | 19,79          | 29,3     | 87    | 12  | 15,6 | 30   | FU10-2-IGF06          | 24,10        |
| P | U 3/0        | .78            | 1.17     | 3.43  | .47 | .61  | 1.18 | QRC-FU-10-M-G06-BT-W3 | 53.13        |
|   | 0.4./01      | 19,79          | 29,3     | 90    | 14  | 15,6 | 30   | FU10-2-IGF08          | 24,60        |
| 1 | G 1/2"       | .78            | 1.17     | 3.54  | .55 | .61  | 1.18 | QRC-FU-10-M-G08-BT-W3 | 54.23        |

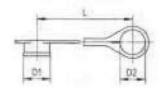
## Series FU-12 • BG 3 • Nominal Size 12,5 • Connect Under Pressure

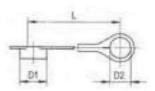
|   | Port A       | Dimen         | sions   |       |     |      |      | Male Tip              | Weight                   |
|---|--------------|---------------|---------|-------|-----|------|------|-----------------------|--------------------------|
|   |              | (mm/in)       |         |       |     |      |      | Old Part Numbers      | ( <sup>Ag</sup> /Ibs) Ca |
|   |              | ØF            | ØH      | L1    | L4  | L5   | SW2  | STAUFF Ordering Codes | per 100                  |
|   | Female Threa | d according t | o DIN 3 | 852-2 |     |      |      |                       |                          |
| n | G 1/2"       | 24,58         | 40      | 98    | 14  | 16,9 | 41   | FU12-2-IGF08          | 49,20                    |
|   | 6 1/2        | .97           | 1.57    | 3.86  | .55 | .67  | 1.61 | QRC-FU-12-M-G08-BT-W3 | 108.47                   |
|   |              |               |         |       |     |      |      |                       |                          |
| 4 | G 3/4"       | 24,58         | 40      | 104   | 16  | 16,9 | 41   | FU12-2-IGF12          | 51,10                    |

#### Series FU-19 • BG 4 • Nominal Size 19 • Connect Under Pressure

|          | Port A       | Dimer<br>(****/in) | nsions   |       |     |      |      | Male Tip Old Part Numbers | Weight (kg/lbs) ca. |
|----------|--------------|--------------------|----------|-------|-----|------|------|---------------------------|---------------------|
|          |              | ØF                 | ØН       | L1    | L4  | L5   | SW2  | STAUFF Ordering Codes     | per 100             |
|          | Female Threa | d according        | to DIN 3 | 852-2 |     |      |      |                           |                     |
|          | G 3/4"       | 30                 | 45,5     | 114   | 16  | 21,5 | 46   | FU19-2-IGF12              | 82,60               |
| P        | G 3/4        | 1.18               | 1.79     | 4.49  | .63 | .85  | 1.81 | QRC-FU-19-M-G12-BT-W3     | 182.10              |
| IH 4     | 0.41         | 30                 | 45,5     | 114   | 18  | 21,5 | 46   | FU19-2-IGF16              | 77,90               |
| <u> </u> | G 1"         | 1.18               | 1.79     | 4.49  | .71 | .85  | 1.81 | QRC-FU-19-M-G16-BT-W3     | 171.74              |

## Series FH/FU/FF • Dust Protection





| FF/FU |
|-------|
|       |

| Dimer<br>(mm/in) | nsions |       | Material                | Old Part Numbers      |  |
|------------------|--------|-------|-------------------------|-----------------------|--|
| D1               | D2     | L     |                         | STAUFF Ordering Codes |  |
| 28               | 24     | 170   | Disetia (Colour Ded)    | FF06-0-RT001          |  |
| 1.10             | .94    | 6.69  | Plastic (Colour: Red)   | QRC-FF-06-DM-24-K-RD  |  |
| 32               | 27     | 115   | Disable (Colour Dee)    | FF10-0-RT001          |  |
| 1.26             | 1.06   | 4.53  | Plastic (Colour: Red)   | QRC-FF-10-DM-27-K-RD  |  |
| 38               | 35,5   | 135   | Diseasie (Onlesse Deed) | FF12-0-RT001          |  |
| 1.50             | 1.40   | 5.31  | Plastic (Colour: Red)   | QRC-FF-12-DM-36-K-RD  |  |
| 42               | 30     | 220   | Disertie (Calaum Day)   | FF16-0-RT001          |  |
| 1.65             | 1.18   | 8.66  | Plastic (Colour: Red)   | QRC-FF-16-DM-30-K-RD  |  |
| 48               | 45,5   | 150   | Disease (Colour Dee)    | FF19-0-RT001          |  |
| 1.89             | 1.79   | 5.91  | Plastic (Colour: Red)   | QRC-FF-19-DM-46-K-RD  |  |
| 46               | 51     | 290   | Disease (Osteron Dest   | FF25-0-RT001          |  |
| 1.81             | 2.01   | 11.42 | Plastic (Colour: Red)   | QRC-FF-25-DM-51-K-RD  |  |

| Dimer<br>(""/in) | nsions |       | Material               | Old Part Numbers      |
|------------------|--------|-------|------------------------|-----------------------|
| D1               | D2     | L     |                        | STAUFF Ordering Codes |
| 34               | 24     | 170   | Disable (Colour Ded)   | FF06-9-RT001          |
| 1.34             | .94    | 6.69  | Plastic (Colour: Red)  | QRC-FF-06-DF-24-K-RD  |
| 38               | 30     | 130   | Disable (Outros Design | FF10-9-RT001          |
| 1.50             | 1.18   | 5.12  | Plastic (Colour: Red)  | QRC-FF-10-DF-30-K-RD  |
| 45               | 35,5   | 140   | Disable (Oslave Ded)   | FF12-9-RT001          |
| 1.77             | 1.40   | 5.51  | Plastic (Colour: Red)  | QRC-FF-12-DF-36-K-RD  |
| 46               | 30     | 225   | Diserve Inches Press   | FF16-9-RT001          |
| 1.81             | 1.18   | 8.86  | Plastic (Colour: Red)  | QRC-FF-16-DF-30-K-RD  |
| 62               | 45,5   | 170   | Disable (Calaus Dad)   | FF19-9-RT001          |
| 2.44             | 1.79   | 6.69  | Plastic (Colour: Red)  | QRC-FF-19-DF-46-K-RD  |
| 62               | 51     | 290   | Disable (Colour Dad)   | FF25-9-RT001          |
| 2.44             | 2.01   | 11.42 | Plastic (Colour: Red)  | QRC-FF-25-DF-51-K-RD  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

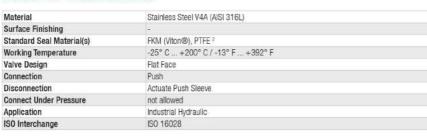
## Series FH • Stainless Steel

| Series FH - Overview                    | 34 |
|---|----|
| Series FH-10 • BG 2 • Nominal Size 10   | 35 |
| Series FH-12 = BG 3 = Nominal Size 12,5 | 35 |
| Series FH-19 • BG 6 • Nominal Size 19   | 36 |





#### Series FH . Stainless Steel





#### **Technical Data**

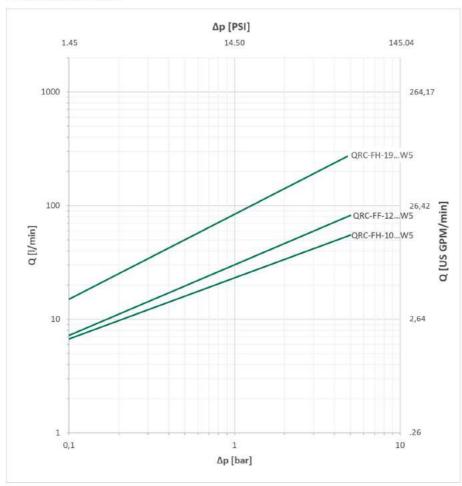
FF/FU

FH

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure |      | g Pressure<br>nnected | Fer | nale Body | M    | ale Tip | Spillage |       |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|-----|-----------|------|---------|----------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI         | bar  | PSI                   | bar | PSI       | bar  | PSI     | ml       | fl oz |
| FH-10  | 2  | 3/8"       | 10           | 80    | 21.13  | 250    | 3626        | 1300 | 18855                 | 750 | 10878     | 1000 | 14504   | 0,015    | .0005 |
| FH-12  | 3  | 1/2"       | 12,5         | 120   | 31.70  | 250    | 3626        | 1300 | 18855                 | 750 | 10878     | 1000 | 14504   | 0,02     | .0007 |
| FH-19  | 6  | 3/4"       | 19           | 180   | 47.55  | 250    | 3626        | 1300 | 18855                 | 750 | 10878     | 1000 | 14504   | 0,032    | .0011 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

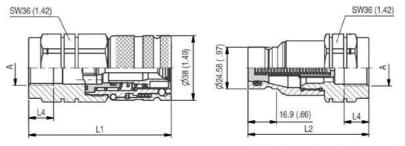
<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request,

SW: Width across flats. All dimensions in mm (inch).

FF/FU

#### Series FH-10 • BG 2 • Nominal Size 10

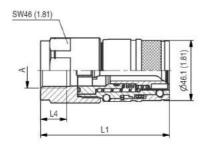
|          | Port A        | Dime        | nsions   |          |         |          | Female Body            | Weight       | Male Tip               | Weight     |
|----------|---------------|-------------|----------|----------|---------|----------|------------------------|--------------|------------------------|------------|
|          |               | (mm/in)     |          |          |         |          | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers       | (kgnbs) Ca |
|          |               | ØD2         | L1       | L2       | L3      | L4       | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100    |
|          | Female Thread | daccording  | to DIN 3 | 852-2 -  | ISO 997 | 74-1 - A | NSI B 1.20.3           |              |                        |            |
|          | C A INI       |             | 68,9     | 57,8     |         | 12,5     | FH10-1-IGF06VA         | 30           | FH10-2-IGF06VA         | 15,80      |
| 7        | G 3/8"        |             | 2.71     | 2.28     |         | .49      | QRC-FH-10-F-G06-VT-W5  | 66.14        | QRC-FH-10-M-G06-VT-W5  | 34.83      |
| 7H <     | G 1/2"        |             | 74       | 62,9     |         | 14       | FH10-1-IGF08VA         | 30,40        | FH10-2-IGF08VA         | 15,50      |
| •        | G 1/2         |             | 2.91     | 2.48     |         | .55      | QRC-FH-10-F-G08-VT-W5  | 67.02        | QRC-FH-10-M-G08-VT-W5  | 34.17      |
| 4        | NPTF 1/2"     |             | 74       | 62,9     |         |          | FH10-1-INF08VA         | 30,80        | FH10-2-INF08VA         | 15,20      |
|          | NPTF 1/2      |             | 2.91     | 2.48     |         |          | QRC-FH-10-F-NF08-VT-W5 | 67.90        | QRC-FH-10-M-NF08-VT-W5 | 33.51      |
|          | Male Thread w | ith 24° Con | ical Bor | e - Shap | e W acc | cording  | to DIN 3861            |              |                        |            |
| 72       | Manua E       | 12L         | 88,3     | 79,4     | 11      |          | FH10-1-L1218VA         | 34,50        | FH10-2-L1218VA         | 20,40      |
| <u> </u> | M18x1,5       | 12L         | 3.48     | 3.13     | .43     |          | QRC-FH-10-F-12L-VT-W5  | 76.06        | QRC-FH-10-M-12L-VT-W5  | 44.97      |
|          | M22x1,5       | 15L         |          | 110,9    | 27      |          | FH10-1-N1522VA         |              | FH10-2-N1522VA         | 29,80      |
|          | WIZZXI,D      | IDL         |          | 4.37     | 1.06    |          | QRC-FH-10-F-15LB-VT-W5 |              | QRC-FH-10-M-15LB-VT-W5 | 65.70      |

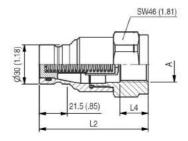


SW: Width across flats. All dimensions in mm (inch).

## Series FH-12 • BG 3 • Nominal Size 12,5

|        | Port A        | Dimer        | nsions   |          |         |          | Female Body            | Weight       | Male Tip               | Weight      |
|--------|---------------|--------------|----------|----------|---------|----------|------------------------|--------------|------------------------|-------------|
|        |               | (mm/in)      |          |          |         |          | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers       | (kg/lbs) Ca |
|        |               | ØD2          | L1       | L2       | L3      | L4       | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|        | Female Thread | daccording   | to DIN 3 | 852-2 -  | ISO 997 | 74-1 - A | NSI B 1.20.3           |              |                        |             |
|        | 0.4 (0)       |              | 84       | 71       |         | 14       | FH12-1-IGF08VA         | 52,50        | FH12-2-IGF08VA         | 32,60       |
| P      | G 1/2"        |              | 3.31     | 2.80     |         | .55      | QRC-FH-12-F-G08-VT-W5  | 115.74       | QRC-FH-12-M-G08-VT-W5  | 71.87       |
| ⊒H, -, | 0.074         |              | 84       | 71       |         | 16       | FH12-1-IGF12VA         | 49,10        | FH12-2-IGF12VA         | 29,50       |
| 1      | G 3/4"        |              | 3.31     | 2.80     |         | .63      | QRC-FH-12-F-G12-VT-W5  | 108.25       | QRC-FH-12-M-G12-VT-W5  | 65.04       |
| 4      | NPTF 1/2"     |              | 84       | 71       |         |          | FH12-1-INF08VA         | 52,80        | FH12-2-INF08VA         | 33          |
|        | NETE 1/2      |              | 3.31     | 2.80     |         |          | QRC-FH-12-F-NF08-VT-W5 | 116.40       | QRC-FH-12-M-NF08-VT-W5 | 72.75       |
|        | Male Thread w | vith 24° Con | ical Bor | e - Shap | e W acc | cording  | to DIN 3861            |              |                        |             |
| W.     | Mana E        | 12L          | 103,8    | 91,1     | 11      |          | FH12-1-L1218VA         | 60,10        | FH12-2-L1218VA         | 40,40       |
| 13     | M18x1,5       | 12L          | 4.09     | 3.59     | .43     |          | QRC-FH-12-F-12L-VT-W5  | 132.50       | QRC-FH-12-M-12L-VT-W5  | 89.07       |
|        | MODULE F      | 15L          | 104,8    | 92,1     | 12      |          | FH12-1-L1522VA         | 60,60        | FH12-2-L1522VA         | 40,90       |
| 8 8    | M22x1,5       | IDL          | 4.13     | 3.63     | 1,06    |          | ORC-FH-12-F-15L-VT-W5  | 133.60       | ORC-FH-12-M-15L-VT-W5  | 90.17       |





SW: Width across flats. All dimensions in mm (inch).

## Series FH-19 • BG 6 • Nominal Size 19

|            | Port A          | Dime       | nsions   |          |         |          | Female Body            | Weight       | Male Tip               | Weight      |  |
|------------|-----------------|------------|----------|----------|---------|----------|------------------------|--------------|------------------------|-------------|--|
|            |                 | (mm/in)    |          |          |         |          | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers       | (*g/ibs) ca |  |
|            |                 | ØD2        | L1       | L2       | L3      | L4       | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |  |
|            | Female Thread a | according  | to DIN 3 | 852-2 -  | ISO 99  | 74-1 - A | NSI B 1.20.3           |              |                        |             |  |
|            | 0.0/48          |            | 99       | 84       |         | 16       | FH19-1-IGF12VA         | 102,90       | FH19-2-IGF12VA         | 57          |  |
| 77         | G 3/4"          |            | 3.90     | 3.31     |         | .63      | QRC-FH-19-F-G12-VT-W5  | 226.86       | QRC-FH-19-M-G12-VT-W5  | 125.66      |  |
|            | G 1"            |            | 99       | 84       |         | 18       | FH19-1-IGF16VA         | 97,20        | FH19-2-IGF16VA         | 51,10       |  |
| 1          | G I             |            | 3.90     | 3.31     |         | .71      | QRC-FH-19-F-G16-VT-W5  | 214.29       | QRC-FH-19-M-G16-VT-W5  | 112.66      |  |
| 14         | NPTF 1"-11 3/2  |            | 99       | 84       |         |          | FH19-1-INF16VA         | 100,40       | FH19-2-INF16VA         | 54,30       |  |
|            | NPTF 1 -11 72   |            | 3.90     | 3.31     |         |          | QRC-FH-19-F-NF16-VT-W5 | 221.34       | QRC-FH-19-M-NF16-VT-W5 | 119.71      |  |
|            | Male Thread wit | th 24° Con | ical Bor | e - Shap | e W acc | cording  | to DIN 3861            |              |                        |             |  |
| - Superior | 1400-0          | 208        | 130      | 114,8    | 16      |          | FH19-1-S2030VA         | 120          | FH19-2-S2030VA         | 74,10       |  |
| 1.5        | M30x2           | 205        | 5.12     | 4.52     | .63     |          | QRC-FH-19-F-20S-VT-W5  | 264.55       | QRC-FH-19-M-20S-VT-W5  | 163.36      |  |

## Series FO • Stainless Steel

| Series F0 = Overview                    | 38 |
|---|----|
| Series F0-06 * BG 1 * Nominal Size 6,3  | 39 |
| Series F0-10 * BG 2 * Nominal Size 10   | 39 |
| Series F0-12 • BG 3 • Nominal Size 12,5 | 39 |
| Series F0-19 • BG 6 • Nominal Size 19   | 39 |
| Series FO-25 • BG 8 • Nominal Size 25   | 40 |



#### Series FO . Stainless Steel

| Material                  | Stainless Steel V4A (AISI 316)  |  |
|---------------------------|---------------------------------|--|
| Surface Finishing         |                                 |  |
| Standard Seal Material(s) | FKM (Viton®) 2                  |  |
| Working Temperature       | -25° C +200° C / -13° F +392° F |  |
| Valve Design              | Flat Face                       |  |
| Connection                | Push                            |  |
| Disconnection             | Actuate Push Sleeve             |  |
| Connect Under Pressure    | not allowed                     |  |
| Application               | Offshore                        |  |
| ISO Interchange           | -                               |  |

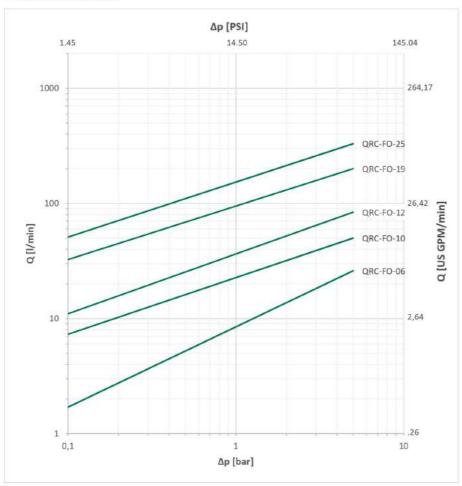


## **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure |      | g Pressure<br>nnected |      | nale Body | M    | ale Tip | Spillage | 9     |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|------|-----------|------|---------|----------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI         | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml       | fl oz |
| FO-06  | 1  | 1/4"       | 6,3          | 20    | 5.28   | 350    | 5076        | 2150 | 31183                 | 1700 | 24656     | 1970 | 28572   | 0.01     | .0003 |
| FO-10  | 2  | 3/8"       | 10           | 45    | 11.89  | 350    | 5076        | 2000 | 29008                 | 1300 | 18855     | 1400 | 20305   | 0,02     | .0007 |
| F0-12  | 3  | 1/2"       | 12,5         | 60    | 15.85  | 350    | 5076        | 2000 | 29008                 | 1300 | 18855     | 1100 | 15954   | 0,03     | .0010 |
| F0-19  | 6  | 3/4"       | 19 (20)      | 150   | 39.62  | 350    | 5076        | 1700 | 24656                 | 1280 | 18565     | 1100 | 15954   | 0,06     | .0020 |
| F0-25  | 8  | 1"         | 25           | 240   | 63.40  | 350    | 5076        | 1450 | 21030                 | 1150 | 16679     | 1000 | 14504   | 0.1      | .0034 |

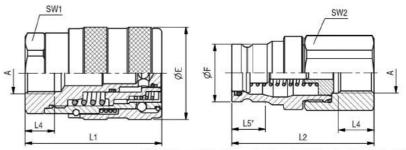
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

## Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series F0-12.

\* Insertion Male Tip

## Series FO-06 • BG 1 • Nominal Size 6,3

|    | Port A        | Dime    | nsion  | IS       |        |            |      |     |     | Female Body            | Weight       | Male Tip               | Weight      |
|----|---------------|---------|--------|----------|--------|------------|------|-----|-----|------------------------|--------------|------------------------|-------------|
|    |               | (mm/in) |        |          |        |            |      |     |     | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers       | (kq/lbs) Ca |
|    |               | ØE      | ØF     | L1       | L2     | L4 min     | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|    | Female Thread | accor   | ding t | to DIN 3 | 8852 - | ANSI B 1.2 | 20.3 |     |     |                        |              |                        |             |
|    | G 1/4"        | 30      | 18     | 52       | 61,5   | 12         | 13,5 | 24  | 22  | F006-1-IGF04-VA        | 17,90        | F006-2-IGF04-VA        | 12,20       |
| 77 | G 1/4         | 1.18    | .71    | 2.04     | 2.42   | .47        | .53  | .94 | .87 | QRC-F0-06-F-G04-VT-W5  | 39.46        | QRC-F0-06-M-G04-VT-W5  | 26.90       |
| _H | NPTF 1/4" -18 | 30      | 18     | 52       | 61,5   | 12         | 13,5 | 24  | 22  | F006-1-INF04-VA        | 18           | F006-2-INF04-VA        | 12,30       |
|    | NP1F 1/4" -18 | 1.18    | 74     | 2.04     | 2.42   | 17         | .53  | .94 | .87 | QRC-F0-06-F-NF04-VT-W5 | 39.68        | QRC-F0-06-M-NF04-VT-W5 | 27.12       |

#### Series F0-10 - BG 2 - Nominal Size 10

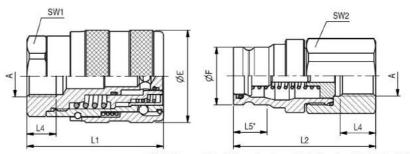
|             | Port A        | Dime    | nsion   | 3     |       |            |      |      |      | Female Body            | Weight       | Male Tip               | Weight       |
|-------------|---------------|---------|---------|-------|-------|------------|------|------|------|------------------------|--------------|------------------------|--------------|
|             |               | (mm/in) |         |       |       |            |      |      |      | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers       | (kg/its) ca. |
|             |               | ØE      | ØF      | L1    | L2    | L4 min     | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100      |
|             | Female Thread | accor   | ding to | DIN 3 | 852 - | ANSI B 1.2 | 0.3  |      |      |                        |              |                        |              |
|             | G 3/8"        | 40      | 23,7    | 62    | 70    | 14         | 16,5 | 30   | 30   | F010-1-IGF06-VA        | 39           | F010-2-IGF06-VA        | 21,70        |
|             | G 3/8         | 1.57    | .93     | 2.44  | 2.76  | .47        | .65  | 1.18 | 1.18 | QRC-F0-10-F-G06-VT-W5  | 85.98        | QRC-F0-10-M-G06-VT-W5  | 47.84        |
| □P1         | NPTF 3/8" -18 | 40      | 23,7    | 62    | 70    |            | 16,5 | 30   | 30   | F010-1-INF06-VA        | 39           | F010-2-INF06-VA        | 22           |
| $\exists 1$ | NP1F 3/0 -10  | 1.57    | .93     | 2.44  | 2.76  |            | .65  | 1.18 | 1.18 | QRC-F0-10-F-NF06-VT-W5 | 85.98        | QRC-F0-10-M-NF06-VT-W5 | 48.50        |
|             | G 1/2"        | 40      | 23,7    | 62    | 69,5  | 14         | 16,5 | 30   | 30   | F010-1-IGF08-VA        | 36,90        | F010-2-IGF08-VA        | 20,10        |
| 14          | G 1/2         | 1.57    | .93     | 2.44  | 2.74  | .55        | .65  | 1.18 | 1.18 | QRC-F0-10-F-G08-VT-W5  | 81.35        | QRC-F0-10-M-G08-VT-W5  | 44.31        |
| 14          | NPTF 1/2" -14 | 40      | 23,7    | 62    | 73,5  |            | 16,5 | 30   | 30   | F010-1-INF08-VA        | 37,10        | F010-2-INF08-VA        | 21,60        |
|             | NP1F 1/2 -14  | 1.57    | .93     | 2.44  | 2.89  |            | .65  | 1.18 | 1.18 | QRC-F0-10-F-NF08-VT-W5 | 81.79        | QRC-F0-10-M-NF08-VT-W5 | 47.62        |

## Series F0-12 • BG 3 • Nominal Size 12,5

|      | Port A        | Dime    | nsion   | 3     |        |            |      |      |      | Female Body            | Weight       | Male Tip               | Weight      |
|------|---------------|---------|---------|-------|--------|------------|------|------|------|------------------------|--------------|------------------------|-------------|
|      |               | (mm/in) |         |       |        |            |      |      |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers       | (kg/lbs) Ca |
|      |               | ØE      | ØF      | L1    | L2     | L4 min     | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|      | Female Thread | accor   | ding to | DIN 3 | 3852 - | ANSI B 1.2 | 0.3  |      |      |                        |              |                        |             |
|      | 0.4/01        | 48      | 30      | 71    | 74     | 14         | 17,5 | 38   | 36   | F012-1-IGF08-VA        | 63,10        | F012-2-IGF08-VA        | 38,30       |
| רכור | G 1/2"        | 1.89    | 1.18    | 2.80  | 2.91   | .55        | .69  | 1.49 | 1.42 | QRC-F0-12-F-G08-VT-W5  | 139.11       | QRC-F0-12-M-G08-VT-W5  | 84.44       |
| PI   |               | 48      | 30      | 71    | 74     |            | 17,5 | 38   | 36   | F012-1-INF08-VA        | 63,40        | F012-2-INF08-VA        | 38,50       |
| -11  | NPTF 1/2" -14 |         |         |       | 2.91   |            | .69  | 1.49 | 1.42 | ORC-F0-12-F-NF08-VT-W5 | 139.77       | QRC-F0-12-M-NF08-VT-W5 | 84.88       |

## Series FO-19 • BG 6 • Nominal Size 19

|     | Port A        | Dime    | nsion                                   | S     |       |            |     |      |      | Female Body            | Weight       | Male Tip               | Weight      |
|-----|---------------|---------|---|-------|-------|------------|-----|------|------|------------------------|--------------|------------------------|-------------|
|     |               | (mm/in) | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |       |       |            |     |      |      | Old Part Numbers       | (kg/its) ca. | Old Part Numbers       | (kq/lbs) ca |
|     |               | ØE      | ØF                                      | L1    | L2    | L4 min     | L5  | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|     | Female Thread | accor   | ding to                                 | DIN 3 | 852 - | ANSI B 1.2 | 0.3 |      |      |                        |              |                        |             |
|     | 0.0/41        | 58      | 38,6                                    | 79    | 90    | 16         | 22  | 46   | 41   | F019-1-IGF12-VA        | 95,40        | F019-2-IGF12-VA        | 56          |
| -PP | G 3/4"        | 2.28    | 1.52                                    | 3.11  | 3.54  | .63        | .87 | 1.81 | 1.61 | QRC-F0-19-F-G12-VT-W5  | 210.32       | QRC-F0-19-M-G12-VT-W5  | 123.46      |
| _H_ | NPTF 3/4" -14 | 58      | 38,6                                    | 79    | 90    |            | 22  | 46   | 41   | F019-1-INF12-VA        | 96           | F019-2-INF12-VA        | 56,70       |
|     | NP1F 3/4 -14  | 2.28    | 1 52                                    | 3.11  | 3.54  |            | .87 | 1.81 | 1.61 | QRC-F0-19-F-NF12-VT-W5 | 211.64       | QRC-F0-19-M-NF12-VT-W5 | 125.00      |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series F0-12.
\* Insertion Male Tip

## Series FO-25 • BG 8 • Nominal Size 25

|        | Port A              | Dime    | nsion  | S      |       |             |     |      |      | Female Body            | Weight                    | Male Tip               | Weight                    |
|--------|---------------------|---------|--------|--------|-------|-------------|-----|------|------|------------------------|---------------------------|------------------------|---------------------------|
|        |                     | (mm/in) |        |        |       |             |     |      |      | Old Part Numbers       | ( <sup>kg</sup> /lb±) ca. | Old Part Numbers       | ( <sup>kg</sup> /lbs) ca. |
|        |                     | ØE      | ØF     | L1     | L2    | L4 min      | L5  | SW1  | SW2  | STAUFF Ordering Codes  | per 100                   | STAUFF Ordering Codes  | per 100                   |
|        | Female Thread acc   | ording  | to DIN | N 3852 | - ANS | SI B 1.20.3 |     |      |      |                        |                           |                        |                           |
|        | G 1"                | 68      | 45     | 88     | 107   | 18          | 23  | 50   | 50   | F025-1-IGF16-VA        | 137                       | F025-2-IGF16-VA        | 82,80                     |
|        | G I                 | 2.68    | 1.77   | 3.46   | 4.21  | .71         | .90 | 1.97 | 1.97 | QRC-F0-25-F-G16-VT-W5  | 302.03                    | QRC-F0-25-M-G16-VT-W5  | 182.54                    |
| 77     | NPTF 1" -11 1/2     | 68      | 45     | 88     | 107   | 18          | 23  | 50   | 50   | F025-1-INF16-VA        | 138,50                    | F025-2-INF16-VA        | 84                        |
| _H     | NPIF1 -11 1/2       | 2.68    | 1.77   | 3.46   | 4.21  | .71         | .90 | 1.97 | 1.97 | QRC-F0-25-F-NF16-VT-W5 | 305.34                    | QRC-F0-25-M-NF16-VT-W5 | 185.19                    |
| 1      | G 1 1/4"            | 68      | 45     | 88     | 107   | 18          | 23  | 50   | 50   | F025-1-IGF20-VA        | 127,50                    | F025-2-IGF20-VA        | 86,80                     |
| - 1A - | G 1 1/4             | 2.68    | 1.77   | 3.46   | 4.21  | .71         | .90 | 1.97 | 1.97 | QRC-F0-25-F-G20-VT-W5  | 281.09                    | QRC-F0-25-M-G20-VT-W5  | 191.36                    |
|        | NPTF 1 1/4" -11 1/2 | 68      | 45     | 88     | 107   | 18          | 23  | 50   | 50   | F025-1-INF20-VA        | 128,90                    | F025-2-INF20-VA        | 880                       |
|        | NPIP 1 1/4" -11 1/2 | 2.68    | 1.77   | 3.46   | 4.21  | .71         | .90 | 1.97 | 1.97 | QRC-F0-25-F-NF20-VT-W5 | 284.18                    | QRC-F0-25-M-NF20-VT-W5 | 1936.00                   |

## Series HP • Carbon Steel

| Series HP • Overview                    | 42      |  |
|---|---------|--|
| Series HP-06 = BG 1 = Nominal Size 6,3  | 43      |  |
| Series HP-10 * BG 2 * Nominal Size 10   | 44      |  |
| Series HP-10A • BG 2 • Nominal Size 10  | 45      |  |
| Series HP-12 • BG 3 • Nominal Size 12,5 | 46 - 47 |  |
| Series ZP-12 * BG 3 * Nominal Size 12,5 | 48      |  |
| Series AP-12 = BG 3 = Nominal Size 12,5 | 49      |  |

| Series HU-12 * BG 3 * Nominal Size 12,5<br>Connect Under Pressure | 49 |
|---|----|
| Series HP-19 = BG 6 = Nominal Size 19                             | 5  |
| Series HP-25 • BG 8 • Nominal Size 25                             | 51 |
| Series HP and Series HU = Dust Protection                         | 52 |





#### Series HP • Carbon Steel

| Material                  | Carbon Steel   |
|---------------------------|--|
| Surface Finishing         | Zinc-Nickel 1, Zinc-Plating and Thick-Film-Passivation (Chrome III)            |
| Standard Seal Material(s) | NBR (Buna-N®), PTFE 2  |
| Working Temperature       | -25° C +100° C / -13° F +212° F  |
| Valve Design              | Poppet Valve   |
| Connection                | Push (When mounting the Sleeve in Bulkhead), Push and actuate Push-Pull Sleeve |
| Disconnection             | Pull (When mounting the Sleeve in Bulkhead), Actuate Push-Pull Sleeve          |
| Connect Under Pressure    | not allowed, (Male Tip Series HU up to the max. Working Pressure allowed)      |
| Application               | Agricultural and Forestry Machinery  |
| ISO Interchange           | ISO 7241-1 A and ISO 5675 (for selected sizes).                                |



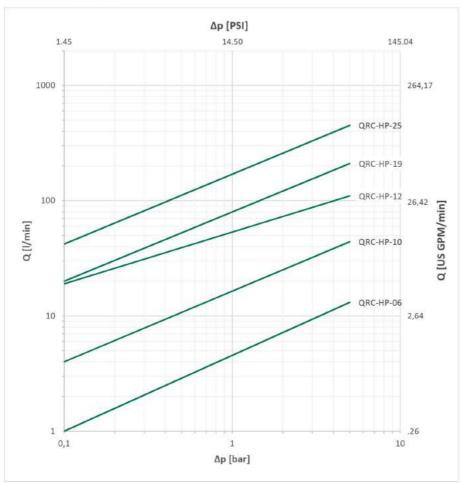
HP/HU

#### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | ale Tip | Spillag | е     |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|---------|---------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml      | fl oz |
| HP-06  | 1  | 1/4"       | 6,3          | 20    | 5.28   | 250    | 3626       | 1000 | 14504                 | 1000 | 14504     | 1000 | 14504   | 0,8     | .0271 |
| HP-10  | 2  | 3/8"       | 10           | 40    | 10.57  | 250    | 3626       | 1000 | 14504                 | 1000 | 14504     | 1000 | 14504   | 1,2     | .0406 |
| HP-12  | 3  | 1/2"       | 12,5         | 100   | 21.13  | 250    | 3626       | 1000 | 14504                 | 1000 | 14504     | 1000 | 14504   | 1,7     | .0575 |
| HP-19  | 6  | 3/4"       | 19 (20)      | 120   | 31.70  | 250    | 3626       | 1000 | 14504                 | 1000 | 14504     | 700  | 10153   | 8,0     | .2705 |
| HP-25  | 8  | 1"         | 25           | 160   | 42.27  | 250    | 3626       | 1000 | 14504                 | 1000 | 14504     | 700  | 10153   | 12,0    | .4058 |
| HU-12  | 3  | 1/2"       | 12           | 90    | 23.77  | 250    | 3626       | 1100 | 15954                 | 1500 | 21756     | 1000 | 14504   | 2,7     | .0913 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

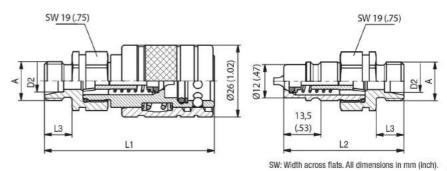
#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

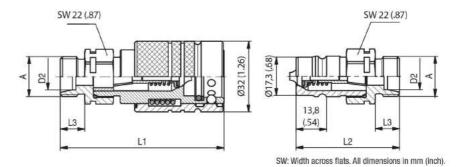
<sup>&</sup>lt;sup>1</sup> Only Nominal Size 12,5 <sup>2</sup> Alternative seal materials are available on request.





## Series HP-06 • BG 1 • Nominal Size 6,3

|      | Port A            |           | nsions     |                  |               |          | Female Body                                     | Weight         | Male Tip   | Weight     |
|------|-------------------|-----------|------------|------------------|---------------|----------|---|----------------|--|------------|
|      |                   | (mm/in)   |            |                  |               |          | Old Part Numbers                                | (kg/lbs) ca.   | Old Part Numbers   | (kg/lbs) C |
|      |                   | ØD2       | L1         | L2               | L3            | L4       | STAUFF Ordering Codes                           | per 100        | STAUFF Ordering Codes  | per 100    |
|      | Female Thread a   | ccording  | to DIN 3   | 852-2-           | A - ANS       | I B 1.20 | .3  |                |  |            |
|      | 04 (48            |           | 64         | 44               | Ī             | 13       | HP04-1-IGF04                                    | 14,60          | HP04-2-IGF04   | 5,20       |
| 1    | G1/4"             |           | 2.52       | 1.73             |               | .51      | QRC-HPA-06-F-G04-BT-W66                         | 32.19          | QRC-HPA-06-M-G04-B-W66   | 11.46      |
| 1    | NOTE ALL AD       |           | 64         | 44               |               |          | HP04-1-INF04                                    | 15             | HP04-2-INF04   | 5,20       |
| 1    | NPTF 1/4" -18     |           | 2.52       | 1.73             |               |          | QRC-HPA-06-F-NF04-BT-W66                        | 33.07          | QRC-HPA-06-M-NF04-B-W66  | 11.46      |
|      | Male Thread with  | h 24° Con | ical Por   | o - Char         | o W an        | cordina  | to DIN 2061                                     |                |  |            |
|      | male iliteau witi | n 24 Con  | icai Boi   | e - Snap         | e w ac        | coraing  | 10 DIN 3801                                     |                |  |            |
|      |                   |           |            |                  |               |          |   |                |  |            |
|      | M14v1 5           | 8I        | 62         | 42               | 10            |          | HP04-1-L0814                                    | 13,40          | HP04-2-L0814   | 4          |
| _    | M14x1,5           | 8L        | 62<br>2.44 | 42<br>1.65       | 10<br>.39     |          | HP04-1-L0814<br>QRC-HPA-06-F-08L-BT-W66         | 13,40<br>29.54 | HP04-2-L0814<br>QRC-HPA-06-M-08L-B-W66   | 8.82       |
| 8  4 |                   | 1000      | 2.44       | 1.65<br>e - Bulk | .39<br>head - | Shape \  | QRC-HPA-06-F-08L-BT-W66 V according to DIN 3861 | 29.54          | QRC-HPA-06-M-08L-B-W66   | 8.82       |
| ij < |                   | 1000      | 2.44       | 1.65             | .39           | Shape \  | QRC-HPA-06-F-08L-BT-W66                         |                | MARKET TO THE PARTY OF THE PART |            |



## HP/HU

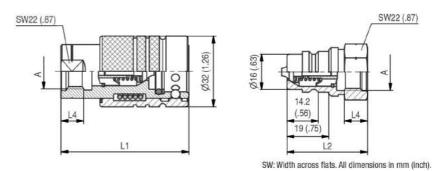
## Series HP-10 • BG 2 • Nominal Size 10

Dimensions acc. to ISO 7241-1, Series A, Size 10.

|          | Port A           | Dimer      | nsions   |          |           |         | Female Body Old Part Numbers  | Weight ( <sup>kg</sup> /lm) ca. | Male Tip Old Part Numbers                               | Weigh<br>(*g <sub>ribs</sub> ) c |
|----------|------------------|------------|----------|----------|-----------|---------|---|---------------------------------|---|----------------------------------|
|          |                  | ØD2        | L1       | L2       | L3        | L4      | STAUFF Ordering Codes   | per 100                         | STAUFF Ordering Codes                                   | per 10                           |
|          | Male Thread acc  |            |          |          |           |         |   | par tos                         |   | parite                           |
|          | maio iliioda doc | oruling to | 77       | 51       | 12        | 10      | HP08-1-AGF06  | 2.20                            | HP08-2-AGF06  | 7.80                             |
| _0_      | G3/8"            |            | 3.03     | 2.01     | .47       |         | QRC-HP-10-F-B06-BT-W66  | 4.85                            | QRC-HP-10-M-B06-B-W66                                   | 17.2                             |
|          |                  |            |          |          |           |         | Weeks word to was a second of the second of | Total Man                       | TO SOMEON STORMAN AND AND AND AND AND AND AND AND AND A | 1 550.00                         |
|          | Female Thread a  | according  | to DIN 3 | 852-2-4  | 4 - ISO 9 | 9974-1  | - ANSI B 1.20.3   |                                 |   |                                  |
|          |                  |            | 76       | 49       |           | 13      | HP08-1-IGF04  | 19,50                           | HP08-2-IGF04  | 88                               |
|          | G1/4"            |            | 2.99     | 1.93     |           | .51     | QRC-HP-10-F-G04-BT-W66  | 42.99                           | QRC-HP-10-M-G04-B-W66                                   | 193.6                            |
| <b>P</b> | 03/01            |            | 76       | 49       |           | 13      | HP08-1-IGF06  | 18,80                           | HP08-2-IGF06  | 80                               |
| ΠH <     | G3/8"            |            | 2.99     | 1.93     |           | .51     | QRC-HP-10-F-G06-BT-W66  | 41.45                           | QRC-HP-10-M-G06-B-W66                                   | 176.0                            |
| 1        | M16x1.5          |            | 76       | 49       |           | 13      | HP08-1-IMF16  | 18,80                           | HP08-2-IMF16  | 81                               |
| 14       | C,1X01M          |            | 2.99     | 1.93     |           | .51     | QRC-HP-10-F-M16-BT-W66  | 41.45                           | QRC-HP-10-M-M16-B-W66                                   | 178.2                            |
|          | NPTF 3/8"-18     |            | 76       | 49       |           |         | HP08-1-INF06  | 18,80                           | HP08-2-INF06  | 81                               |
|          | NF1F 3/0 -10     |            | 2.99     | 1.93     |           |         | QRC-HP-10-F-NF06-BT-W66   | 41.45                           | QRC-HP-10-M-NF06-B-W66                                  | 178.2                            |
|          | Male Thread wit  | h 24° Coni | ical Bor | e - Shap | e W ac    | cording | to DIN 3861   |                                 |   |                                  |
|          | M14x1.5          | 8L         | 73       | 46       | 10        |         | HP08-1-L0814  | 21                              | HP08-2-L0814  | 4,20                             |
|          | W114X1,5         | 6L         | 2.87     | 1.81     | .39       |         | QRC-HP-10-F-08L-BT-W66  | 46.30                           | QRC-HP-10-M-08L-B-W66                                   | 9.26                             |
|          | M16x1.5          | 10L        | 74       | 47       | 11        |         | HP08-1-L1016  | 21                              | HP08-2-L1016  | 6,50                             |
| - 11     | C,1X01NI         | TUL        | 2.91     | 1.85     | .43       |         | QRC-HP-10-F-10L-BT-W66  | 46.30                           | QRC-HP-10-M-10L-B-W66                                   | 14.33                            |
|          | M18x1.5          | 12L        | 74       | 47       | 11        |         | HP08-1-L1218  | 21,50                           | HP08-2-L1218  | 7,30                             |
|          | C,1X01IVI        | IZL        | 2.91     | 1.84     | .43       |         | QRC-HP-10-F-12L-BT-W66  | 47.40                           | QRC-HP-10-M-12L-B-W66                                   | 16,09                            |
|          | M16x1.5          | 88         | 75       | 48       | 12        |         | HP08-1-S0816  | 21,20                           | HP08-2-S0816  | 7,10                             |
| 722      | W10X1,3          | 00         | 2.95     | 1.89     | .47       |         | QRC-HP-10-F-08S-BT-W66  | 46.74                           | QRC-HP-10-M-08S-B-W66                                   | 15.65                            |
|          | M18x1.5          | 108        | 75       | 48       | 12        |         | HP08-1-S1018  | 21,60                           | HP08-2-S1018  | 7,20                             |
|          | WITOXI,U         | 100        | 2.95     | 1.89     | .47       |         | QRC-HP-10-F-10S-BT-W66  | 47.62                           | QRC-HP-10-M-10S-B-W66                                   | 15.87                            |
|          | M20x1.5          | 128        | 75       | 48       | 12        |         | HP08-1-S1220  | 21,60                           | HP08-2-S1220  | 7,40                             |
|          | III.EUXT,U       | 120        | 2.95     | 1.89     | .47       |         | QRC-HP-10-F-12S-BT-W66  | 47.62                           | QRC-HP-10-M-12S-B-W66                                   | 16.31                            |
|          | Male Thread wit  | h 24° Coni | ical Bor | e - Bulk | head - S  | Shape V | V according to DIN 3861   |                                 |   |                                  |
|          | M14x1.5          | 8L         | 88       | 61       | 25        |         | HP08-1-N0814  | 22,80                           | HP08-2-N0814  | 8,40                             |
|          | U114X1,D         | OL.        | 3.46     | 2.39     | .98       |         | QRC-HP-10-F-08LB-BT-W66   | 50.27                           | QRC-HP-10-M-08LB-B-W66                                  | 18.51                            |
| 13       | M16x1.5          | 10L        | 89       | 62       | 26        |         | HP08-1-N1016  | 23,40                           | HP08-2-N1016  | 9                                |
|          | WITOKT, J        | TUL        | 3.50     | 2.43     | 1.02      |         | QRC-HP-10-F-10LB-BT-W66   | 51.59                           | QRC-HP-10-M-10LB-B-W66                                  | 19.84                            |
| +++      | M18x1.5          | 12L        | 89       | 62       | 26        |         | HP08-1-N1218  | 23,50                           | HP08-2-N1218  | 9,40                             |
| 3 4      | WITOXI,U         | IEL        | 3.50     | 2.43     | 1.02      |         | QRC-HP-10-F-12LB-BT-W66   | 51.81                           | QRC-HP-10-M-12LB-B-W66                                  | 20.72                            |
| Z        | M16x1.5          | 088        | 90       | 63       | 27        |         | HP08-1-T0816 *  | 23                              | HP08-2-T0816 *  | 10                               |
|          | WITOXI,O         | 000        | 3.54     | 2.47     | 1.06      |         | QRC-HP-10-F-08SB-BT-W66 *   | 50.71                           | QRC-HP-10-M-08SB-B-W66 *                                | 22.05                            |
|          | M20x1.5          | 128        | 90       | 63       | 27        |         | HP08-1-T1220 *  | 22                              | HP08-2-T1220 *  | 7,40                             |
|          | WIZUXT,U         | 120        | 3.54     | 2.47     | 1.06      |         | ORC-HP-10-F-12SB-BT-W66 *   | 48.50                           | QRC-HP-10-M-12SB-B-W66 *                                | 16.31                            |

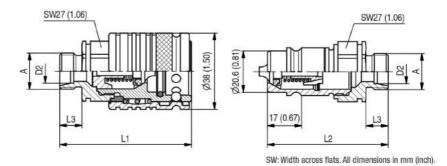
<sup>\*</sup> Available on request.





## Series HP-10A • BG 2 • Nominal Size 10

| © (****/in)         | <b>L2</b> 3852-2-4 37 1.46 | L3 L<br>A - ANSI B 1 | .20.3<br>HP08A1-IGF06   | ( <sup>kg</sup> / <sub>rbs</sub> ) ca.<br>per 100 | Old Part Numbers STAUFF Ordering Codes HP08A2-IGF06 | ( <sup>1g</sup> /hs) ca<br>per 100           |
|---------------------|----------------------------|----------------------|-------------------------|---|---|--|
| ad according to DIN | <b>3852-2-</b><br>37       | A - ANSI B 1         | .20.3<br>HP08A1-IGF06   | 18,80   |   |  |
| 58                  | 37                         | 1                    | HP08A1-IGF06            |   | HP08A2-IGF06  | 5.40   |
|                     |                            | 100                  |                         |   | HP08A2-IGE06  | E 40   |
| 2.28                | 1.46                       |                      | ORC-UDA-10-E-COS-RT-W66 |   | 111 951 151 151 55                                  | 5,10   |
|                     |                            |                      | UNG-HEA-10-1-000-01-WOO | 41.45   | QRC-HPA-10-M-G06-B-W66                              | 11.24  |
|                     |                            |                      |                         | 22.60   | UD00A2_F1016  | 8.80   |
| 10L 2.28            | 1.44                       | .55                  | QRC-HPA-10-F-10L-BT-W66 | 49.82   | QRC-HPA-10-M-10L-B-W66                              | 19.40  |
| wit                 | 101 58                     | 10I 58 37            | 10 58 37 14             | 10  | 10L 58 37 14 <b>HP08A1-L1016</b> 22,60              | 10L 58 37 14 HP08A1-L1016 22,60 HP08A2-L1016 |



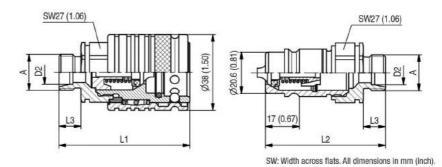
HP/HU

## Series HP-12 • BG 3 • Nominal Size 12,5

Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

|       | Port A             | Dimens        | ions       |            |         |           | Female Body                           | Weight         | Male Tip   | Weight         |
|-------|--------------------|---------------|------------|------------|---------|-----------|---------------------------------------|----------------|--|----------------|
|       |                    | (mm/in)       |            |            |         |           | Old Part Numbers                      | (kg/lbs) ca.   | Old Part Numbers   | (kg/lbs) Ca    |
|       |                    | ØD2           | L1         | L2         | L3      | L4        | STAUFF Ordering Codes                 | per 100        | STAUFF Ordering Codes  | per 100        |
|       | Male Thread ac     | cording to IS | 0 117      | 9-4-B -    | ISO 997 | 74-3      |                                       |                |  |                |
| 1000  | 0.000              |               | 71         | 61         | 12      |           | HP10-1-AGF06N                         | 29             | HP10-2-AGF06N  | 11,90          |
| - 3-  | G 3/8"             |               | 2.80       | 2.40       | .47     |           | QRC-HP-12-F-B06-B-W3                  | 63.93          | QRC-HP-12-M-B06-B-W3   | 26.24          |
|       | 0.470%             |               | 71         | 61         | 12      |           | HP10-1-AGF08N                         | 29,60          | HP10-2-AGF08N  | 12,30          |
| Ш. Т. | G 1/2"             |               | 2.80       | 2.40       | .47     |           | QRC-HP-12-F-B08-B-W3                  | 65.26          | QRC-HP-12-M-B08-B-W3   | 27.12          |
| 7500  | 1400-4 5           |               | 71         | 61         | 12      |           | HP10-1-AMF22N                         | 30             | HP10-2-AMF22N  | 12,90          |
| •     | M22x1,5            |               | 2.80       | 2.40       | .47     |           | QRC-HP-12-F-M22M-B-W3                 | 66.14          | QRC-HP-12-M-M22M-B-W3  | 28.44          |
|       | G3/8"              |               | 68<br>2.68 | 60<br>2.36 |         | 15<br>.59 | HP10-1-IGF06N<br>QRC-HP-12-F-G06-B-W3 | 33,10<br>72.97 | HP10-2-IGF06N<br>QRC-HP-12-M-G06-B-W3  | 15,30<br>33.73 |
|       | T UIII UII III UUU |               |            |            |         |           | - ISO 9974-1 - ANSI B 1.20.3 - SAE J  |                |  |                |
|       |                    |               |            |            |         | 1.000     |                                       | 1000000        | Divide the production of the p |                |
|       | G 1/2"             |               | 70         | 48         |         | 17        | HP10-1-IGF08N                         | 28             | HP10-2-IGF08N  | 9,20           |
|       |                    |               | 2.76       | 1.89       |         | .67       | QRC-HP-12-F-G08-B-W3                  | 61.73          | QRC-HP-12-M-G08-B-W3   | 20.28          |
|       | M16x1.5            |               | 67         | 62         |         | 15        | HP10-1-IMF16N                         | 31,80          | HP10-2-IMF16N  | 16             |
| HH    | 200.0.500.0500     |               | 2.65       | 2.43       |         | .59       | QRC-HP-12-F-M160R-B-W3                | 70.11          | QRC-HP-12-M-M160R-B-W3   | 35.27          |
|       | M18x1.5            |               | 68         | 60         |         | 15        | HP10-1-IMF18N                         | 31,80          | HP10-2-IMF18N  | 14,70          |
| JAZZ  |                    |               | 2.68       | 2.36       |         | .59       | QRC-HP-12-F-M180R-B-W3                | 70.11          | QRC-HP-12-M-M180R-B-W3   | 32.41          |
| LA    | M22x1.5            |               | 70         | 48         |         | 17        | HP10-1-IMF22N                         | 28,40          | HP10-2-IMF22N  | 8,80           |
|       | mazirijo           |               | 2.76       | 1.89       |         | .67       | QRC-HP-12-F-M22-B-W3                  | 62.61          | QRC-HP-12-M-M220R-B-W3   | 19.40          |
|       | NPTF 1/2"-14       |               | 70         | 48         |         |           | HP10-1-INF08N                         | 29,40          | HP10-2-INF08N  | 9,40           |
|       | 10 0 0 17          |               | 2.76       | 1.89       |         |           | QRC-HP-12-F-NF08-B-W3                 | 64.82          | QRC-HP-12-M-NF08-B-W3  | 20.27          |
|       | UNF 3/4"-16        |               | 77         | 48         |         | 14        | HP10-1-IUF08N                         | 27,80          | HP10-2-IUF08N  | 8,80           |
|       |                    |               | 3.03       | 1.89       |         | .55       | ORC-HP-12-F-U08-B-W3                  | 61.29          | ORC-HP-12-M-U08-B-W3   | 19.40          |

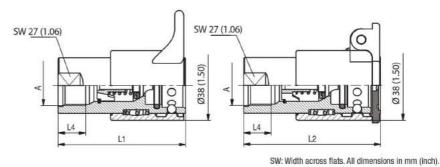




Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

## Series HP-12 • BG 3 • Nominal Size 12,5

|        | Port A              | Dimer        | nsions   |          |           |        | Female Body             | Weight       | Male Tip              | Weigh      |
|--------|---------------------|--------------|----------|----------|-----------|--------|-------------------------|--------------|-----------------------|------------|
|        |                     | (mm/in)      |          |          |           |        | Old Part Numbers        | (kg/ibs) ca. | Old Part Numbers      | (kg/Rps) ( |
|        |                     | ØD2          | L1       | L2       | L3        | L4     | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes | per 10     |
|        | Male Thread v       | vith 24° Con | ical Bor | e - Shar | oe W acco | ording | to DIN 3861             | -            |                       | -          |
|        |                     |              | 64       | 58       | 10        |        | HP10-1-L0814N           | 26.20        | HP10-2-L0814N         | 10.70      |
|        | M14x1,5             | 8L           | 2.53     | 2.30     | .39       |        | ORC-HP-12-F-08L-B-W3    | 57.76        | ORC-HP-12-M-08L-B-W3  | 23.59      |
|        |                     | 1.525        | 65       | 60       | 11        |        | HP10-1-L1016N           | 25.70        | HP10-2-L1016N         | 10.90      |
|        | M16x1,5             | 10L          | 2.57     | 2.35     | .43       |        | QRC-HP-12-F-10L-B-W3    | 56.66        | QRC-HP-12-M-10L-B-W3  | 24.03      |
|        |                     |              | 65       | 60       | 11        |        | HP10-1-L1218N           | 25.70        | HP10-2-L1218N         | 10.90      |
|        | M18x1,5             | 12L          | 2.57     | 2.35     | .43       |        | QRC-HP-12-F-12L-B-W3    | 56.66        | QRC-HP-12-M-12L-B-W3  | 24.03      |
| (1)    | 1100 4 5            | 401          | 66       | 61       | 12        |        | HP10-1-L1522N           | 26,50        | HP10-2-L1522N         | 11,70      |
|        | M22x1,5             | 15L          | 2.61     | 2.39     | .47       |        | QRC-HP-12-F-15L-B-W3    | 58.42        | QRC-HP-12-M-15L-B-W3  | 25.79      |
| 1      | MOONE               | 401          | 66       | 61       | 12        |        | HP10-1-L1826N           | 27,30        | HP10-2-L1826N         | 11,90      |
| Hr 3 4 | M26x1,5             | 18L          | 2.61     | 2.39     | .47       |        | QRC-HP-12-F-18L-B-W3    | 60.19        | QRC-HP-12-M-18L-B-W3  | 26.24      |
| 1      | MAD A F             | 100          | 66       | 61       | 12        |        | HP10-1-S1018N           | 26,50        | HP10-2-S1018N         | 11,50      |
|        | M18x1,5             | 108          | 2.61     | 2.39     | .47       |        | QRC-HP-12-F-10S-B-W3    | 58.42        | QRC-HP-12-M-10S-B-W3  | 25.35      |
|        | M20x1.5             | 128          | 66       | 61       | 12        |        | HP10-1-S1220N           | 26,70        | HP10-2-S1220N         | 11,70      |
|        | MZUX1,5             | 125          | 2.61     | 2.39     | .47       |        | QRC-HP-12-F-12S-B-W3    | 58.86        | QRC-HP-12-M-12S-B-W3  | 25.79      |
|        | M22x1,5             | 148          | 68       | 63       | 14        |        | HP10-1-S1422N           | 27,30        | HP10-2-S1422N         | 12,30      |
|        | 17.2.2.1VI          | 145          | 2.69     | 2.47     | .55       |        | QRC-HP-12-F-14S-B-W3    | 60.19        | QRC-HP-12-M-14S-B-W3  | 27.12      |
|        | M24x1.5             | 16S          | 68       | 63       | 14        |        | HP10-1-S1624N           | 27,50        | HP10-2-S1624N         | 12,50      |
|        | WZ4X1,0             | 100          | 2.69     | 2.47     | .55       |        | QRC-HP-12-F-16S-B-W3    | 60.63        | QRC-HP-12-M-16S-B-W3  | 27.56      |
|        | Male Thread v       | vith 24° Con | ical Bor | e - Bulk | head - Si | hape \ | N according to DIN 3861 |              |                       |            |
|        | VALUE OF THE SECOND | 221          | 80       | 75       | 26        |        | HP10-1-N0814N           | 28,20        | HP10-2-N0814N         | 12,90      |
|        | M14x1,5             | 08L          | 3.16     | 2.94     | 1.02      | 1      | QRC-HP-12-F-08LB-B-W3   | 62.17        | QRC-HP-12-M-08LB-B-W3 | 28.44      |
|        |                     |              | 80       | 75       | 26        |        | HP10-1-N1016N           | 28.80        | HP10-2-N1016N         | 13.50      |
|        | M16x1,5             | 10L          | 3.16     | 2.94     | 1.02      |        | QRC-HP-12-F-10LB-B-W3   | 63.49        | QRC-HP-12-M-10LB-B-W3 | 29.76      |
|        | 140 4 5             | 401          | 84       | 79       | 30        |        | HP10-1-N1218N           | 29,10        | HP10-2-N1218N         | 14,30      |
|        | M18x1,5             | 12L          | 3.31     | 3.10     | 1.18      | t      | QRC-HP-12-F-12LB-B-W3   | 64.15        | QRC-HP-12-M-12LB-B-W3 | 31.53      |
| u .    | 1100-4 5            | 451          | 81       | 76       | 27        |        | HP10-1-N1522N           | 30,70        | HP10-2-N1522N         | 15,90      |
|        | M22x1,5             | 15L          | 3.19     | 2.98     | 1.06      |        | QRC-HP-12-F-15LB-B-W3   | 67.68        | QRC-HP-12-M-15LB-B-W3 | 35.05      |
|        | M26x1.5             | 401          | 81       | 76       | 27        |        | HP10-1-N1826N           | 34,10        | HP10-2-N1826N         | 19,30      |
| 3      | MZbX1,5             | 18L          | 3.20     | 2.98     | 1.06      |        | QRC-HP-12-F-18LB-B-W3   | 75.18        | QRC-HP-12-M-18LB-B-W3 | 42.55      |
|        | MADULE E            | 100          | 80       | 75       | 26        |        | HP10-1-T1018N           | 29,70        | HP10-2-T1018N         | 14,70      |
|        | M18x1,5             | 108          | 3.16     | 2.94     | 1.02      |        | QRC-HP-12-F-10SB-B-W3   | 65,48        | QRC-HP-12-M-10SB-B-W3 | 32.41      |
|        | M20x1,5             | 128          | 81       | 76       | 27        |        | HP10-1-T1220N           | 30,50        | HP10-2-T1220N         | 15,50      |
|        | MZUX1,5             | 125          | 3.20     | 2.98     | 1.06      |        | QRC-HP-12-F-12SB-B-W3   | 67.24        | QRC-HP-12-M-12SB-B-W3 | 34.17      |
|        | M22v4 E             | 1.40         | 83       | 78       | 29        |        | HP10-1-T1422N           | 31,90        | HP10-2-T1422N         | 17,10      |
|        | M22x1,5             | 148          | 3.28     | 3.06     | 1.14      |        | QRC-HP-12-F-14SB-B-W3   | 70.33        | QRC-HP-12-M-14SB-B-W3 | 37.70      |
|        |                     |              | 0.100    |          |           |        |                         |              |                       |            |
|        | M24x1.5             | 16S          | 83       | 78       | 29        |        | HP10-1-T1624N           | 33,30        | HP10-2-T1624N         | 18,30      |

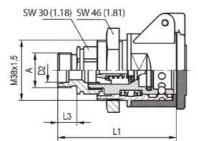


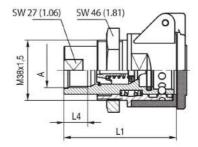
HP/HU

## Series ZP-12 • BG 3 • Nominal Size 12,5

Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

|             | Port A   |  | nsions  |  |   |         | Female Body   | Weight   | Female Body with Dust Plug   | Weigh                   |
|-------------|--|--|---|--|---|---------|---|--|--|-------------------------|
|             |  | (mm/in)                                  | 10.00   | 10000                                      | 10/10/  |         | Old Part Numbers  | (kg/mps) Ca.                                       | Old Part Numbers   | (kg/lbs) C              |
|             |  | ØD2                                      | L1  | L2   | L3  | L4      | STAUFF Ordering Codes   | per 100  | STAUFF Ordering Codes  | per 10                  |
|             | Male Thread a                                  | according to                             | DIN 385   | 2  |   |         |   |  |  |                         |
|             | 0.4/05   |  | 74  |  | 12  |         | ZP10-1-AGF08  | 31,40  |  |                         |
| -13-        | G 1/2"   |  | 2.92  |  | .47   |         | QRC-ZP-12-F-B08-B-W66   | 69.23  |  |                         |
|             |  |  |   |  |   |         |   |  |  |                         |
|             | Female Threa                                   | d according                              | to DIN 3  | 852-2 -                                    | ISO 99  | 74-1    |   |  |  |                         |
|             |  |  | 70  |  |   | 17      | ZP10-1-IGF08  | 31,40  |  |                         |
| <b>∃</b> P1 | G1/2"  |  | 2.76  |  |   | .67     | QRC-ZP-12-F-G08-B-W66   | 69.23  |  |                         |
|             | M22x1.5  |  | 70  | 75   |   | 17      | ZP10-1-IMF22  | 31   | ZP10-5-IMF22C1   | 30,50                   |
| 1           | IVIZZX1,5                                      |  | 2.76  | 2.95                                       |   | .67     | QRC-ZP-12-F-M22-B-W66   | 68.34  | QRC-ZP-12-FF-M22/L-B-W66-SW  | 67.24                   |
|             | Male Thread v                                  | with 24° Con                             | ical Bor  | e - Shar                                   | oe W ac   | cordina | to DIN 3861   |  |  |                         |
| · U         | Male Thread v                                  |  | 70  | e - Shap                                   | 11  | cording | ZP10-1-L1218  | 30,10  |  |                         |
| 13          | Male Thread v                                  | vith 24° Con                             | 70<br>2.76  | e - Shap                                   | 11<br>.43   | cording | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66   | 66.36  |  |                         |
| -13-        | M18x1,5  | 12L                                      | 70<br>2.76<br>71  | e - Shap                                   | 11<br>.43<br>12   | cording | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66<br>ZP10-1-L1522   | 66.36<br>30,90                                     |  |                         |
| L3   B <    |  |  | 70<br>2.76  | e - Shap                                   | 11<br>.43   | cording | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66   | 66.36  |  |                         |
| 3 4         | M18x1,5<br>M22x1,5                             | 12L<br>15L                               | 70<br>2.76<br>71<br>2.80  |  | 11<br>.43<br>12<br>.47  |         | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66<br>ZP10-1-L1522   | 66.36<br>30,90                                     |  |                         |
| 3] 4        | M18x1,5<br>M22x1,5<br>Male Thread v            | 12L<br>15L<br>with 24° Con               | 70<br>2.76<br>71<br>2.80  | e - Bulk                                   | 11<br>.43<br>12<br>.47<br>head - \$                                   |         | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66<br>ZP10-1-L1522<br>QRC-ZP-12-F-15L-B-W66  | 66.36<br>30,90<br>68.12                            | 7P10-5-N121RC1   | 36.20                   |
| 3] <        | M18x1,5<br>M22x1,5                             | 12L<br>15L                               | 70<br>2.76<br>71<br>2.80  |  | 11 .43 12 .47 head - \$   |         | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66<br>ZP10-1-L1522<br>QRC-ZP-12-F-15L-B-W66<br>V according to DIN 3861<br>ZP10-1-N1218                           | 66.36<br>30,90<br>68.12                            | ZP10-5-N1218C1<br>ORC-ZP-12-FF-12LB/S-B-W66-SW   |                         |
| 33 6        | M18x1,5 M22x1,5 Male Thread v M18x1,5          | 12L<br>15L<br>with 24° Con               | 70<br>2.76<br>71<br>2.80  | <b>e - Bulk</b><br>93                      | 11<br>.43<br>12<br>.47<br>head - \$                                   |         | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66<br>ZP10-1-L1522<br>QRC-ZP-12-F-15L-B-W66  | 66.36<br>30,90<br>68.12                            | ZP10-5-N1218C1<br>QRC-ZP-12-FF-12LB/S-B-W66-SW<br>ZP10-5-N1522C1                                 | 79.81                   |
|             | M18x1,5<br>M22x1,5<br>Male Thread v            | 12L<br>15L<br>with 24° Con               | 70<br>2.76<br>71<br>2.80<br>sical Bor<br>89<br>3.51             | e - Bulk<br>93<br>3.67                     | 11 .43 12 .47 head - \$   |         | ZP10-1-L1218<br>QRC-ZP-12-F-12L-B-W66<br>ZP10-1-L1522<br>QRC-ZP-12-F-15L-B-W66<br>V according to DIN 3861<br>ZP10-1-N1218<br>QRC-ZP-12-F-12LB-B-W66 | 66.36<br>30,90<br>68.12<br>33.50<br>73.85          | QRC-ZP-12-FF-12LB/S-B-W66-SW   | 79.81<br>38,90          |
|             | M18x1,5 M22x1,5  Male Thread v M18x1,5 M22x1,5 | 12L<br>15L<br>with 24° Con<br>12L<br>15L | 70<br>2.76<br>71<br>2.80<br><b>Solution</b><br>89<br>3.51<br>86 | e - Bulk<br>93<br>3.67<br>90               | 11<br>.43<br>12<br>.47<br>head - \$<br>30<br>1.18<br>27               |         | ZP10-1-L1218 QRC-ZP-12-F-12L-B-W66 ZP10-1-L1522 QRC-ZP-12-F-15L-B-W66 V according to DIN 3861 ZP10-1-N1218 QRC-ZP-12-F-12LB-B-W66 ZP10-1-N1522      | 66.36<br>30,90<br>68.12<br>33,50<br>73.85<br>35,10 | QRC-ZP-12-FF-12LB/S-B-W66-SW<br>ZP10-5-N1522C1   | 79.81<br>38,90<br>85.76 |
|             | M18x1,5 M22x1,5 Male Thread v M18x1,5          | 12L<br>15L<br>with 24° Con               | 70<br>2.76<br>71<br>2.80<br><b>Solution</b><br>89<br>3.51<br>86 | e - Bulk<br>93<br>3.67<br>90<br>3.55       | 11<br>.43<br>12<br>.47<br>head - \$<br>30<br>1.18<br>27               |         | ZP10-1-L1218 QRC-ZP-12-F-12L-B-W66 ZP10-1-L1522 QRC-ZP-12-F-15L-B-W66 V according to DIN 3861 ZP10-1-N1218 QRC-ZP-12-F-12LB-B-W66 ZP10-1-N1522      | 66.36<br>30,90<br>68.12<br>33,50<br>73.85<br>35,10 | QRC-ZP-12-FF-12LB/S-B-W66-SW<br>ZP10-5-N1522C1<br>QRC-ZP-12-FF-15LB/S-B-W66-SW                   | 79.81<br>38,90<br>85.76 |
| 38 4        | M18x1,5 M22x1,5  Male Thread v M18x1,5 M22x1,5 | 12L<br>15L<br>with 24° Con<br>12L<br>15L | 70<br>2.76<br>71<br>2.80<br><b>Solution</b><br>89<br>3.51<br>86 | e - Bulk<br>93<br>3.67<br>90<br>3.55<br>90 | 11<br>.43<br>12<br>.47<br>head - \$<br>30<br>1.18<br>27<br>1.06<br>27 |         | ZP10-1-L1218 QRC-ZP-12-F-12L-B-W66 ZP10-1-L1522 QRC-ZP-12-F-15L-B-W66 V according to DIN 3861 ZP10-1-N1218 QRC-ZP-12-F-12LB-B-W66 ZP10-1-N1522      | 66.36<br>30,90<br>68.12<br>33,50<br>73.85<br>35,10 | QRC-ZP-12-FF-12LB/S-B-W66-SW<br>ZP10-5-N1522C1<br>QRC-ZP-12-FF-15LB/S-B-W66-SW<br>ZP10-5-T1220C1 | 38,90<br>85.76<br>39,30 |





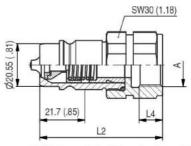
SW: Width across flats. All dimensions in mm (inch).

HP/HU

Dimensions acc. to ISO 7241-1, Series A, Size 12,5 and ISO 5675.

## Series AP-12 - BG 3 - Nominal Size 12,5

| M22x1,5  | 1 <b>ISO 9974-1</b> | 15    | STAUFF Ordering Codes  AP10-5-I2230A1 |                      |
|--|---------------------|-------|---------------------------------------|----------------------|
| Innengewinde entsprechend ISO 9974-1  M22x1,5  75  15  AP10-5-I2230A1  38,10  84  Male Thread with 24° Conical Bore - Shape W according to DIN 3861  M32x1 5  M32x1 5 | 1 <b>ISO 9974-1</b> | 15    | AP10-5-I2230A1                        | 38,10                |
| M22x1,5 75 15 AP10-5-I2230A1 38,10  QRC-AP-12-FF-M22M30-B-W66-RD/BK 84  Male Thread with 24° Conical Bore - Shape W according to DIN 3861  | 75                  |       |                                       |                      |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861  M39   |                     |       |                                       |                      |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861  M39  M39  M39  M39  | 2.95                | .59   | QRC-AP-12-FF-M22M30-B-W66-RD/BK       | 84                   |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861  M32v1 5 15 72 12 AP10-5-L1522A1 39  |                     |       |                                       |                      |
|  |                     | - 7   |                                       |                      |
| MEZAT, 5 2.84 .47 QRC-AP-12-FF-15L-B-W66-RD/BK 85.98   |                     |       | AP10-5-L1522A1                        | 39                   |
|  | 2.84 .47            |       | QRC-AP-12-FF-15L-B-W66-RD/BK          | 85.98                |
|  |                     |       |                                       |                      |
|  |                     |       |                                       |                      |
| <del>                                      </del>  | 7                   | 72 12 | 72 12                                 | 72 12 AP10-5-L1522A1 |

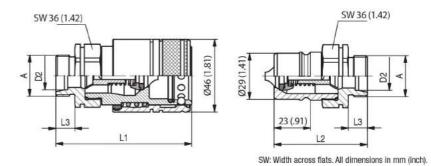


SW: Width across flats. All dimensions in mm (inch).

Male Tip Connect Under Pressure - use our HP-10 Female side. Dimensions acc. to ISO 7241-1, Series A

## Series HU-12 • BG 3 • Nominal Size 12,5 • Connect Under Pressure

|     | Port A          | Dimensions       |          |          |       | Male Tip               | Weight     |
|-----|-----------------|------------------|----------|----------|-------|------------------------|------------|
|     |                 | (mm/in)          |          |          |       | Old Part Numbers       | (kgnbs) Ca |
|     |                 | ØD2 L1           | L2       | L3 L     | L4    | STAUFF Ordering Codes  | per 100    |
|     | Female Thread : | according to DIN | 3852-2-A | - ANSI B | 1.20. | 3                      |            |
|     | G3/8"           | 72               | 59       | 1        | 2     | HU12-2-IGF06           | 16,60      |
|     | dovo            | 2.83             | 2.32     |          | 47    | QRC-HU-12-M-G06-B-W66  | 36.60      |
| □P1 | NPTF 3/8" -18   | 74,5             | 61,5     |          |       | HU12-2-INF06           | 19,20      |
| HH. |                 | 2.93             | 2.42     |          |       | QRC-HU-12-M-NF06-B-W66 | 42.33      |
|     | 04.00           | 72               | 59       | 1        | 4     | HU12-2-IGF08           | 16,20      |
| LA. | G1/2"           | 2.83             | 2.32     |          | 55    | QRC-HU-12-M-G08-B-W66  | 35.71      |
|     | NPTF 1/2" -14   | 75               | 62       |          |       | HU12-2-INF08           | 17,60      |
|     | NPTF 1/2" -14   | 2.95             | 2.44     |          |       | QRC-HU-12-M-NF08-B-W66 | 38.80      |



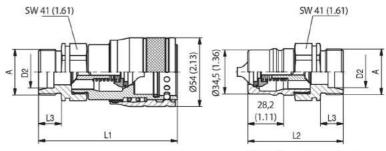
HP/HU

## Series HP-19 • BG 6 • Nominal Size 19

Dimensions acc. to ISO 7241-1, Series A, Size 19 and ISO 5675.

|                      | Port A   |               | nsions   |          |        |         | Female Body             | Weight       | Male Tip               | Weigh      |
|----------------------|--|---------------|----------|----------|--------|---------|-------------------------|--------------|------------------------|------------|
|                      |  | (mm/in)       |          |          |        |         | Old Part Numbers        | (kg/lbs) ca. | Old Part Numbers       | (kg/lbs) C |
|                      |  | ØD2           | L1       | L2       | L3     | L4      | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes  | per 100    |
|                      | Female Thread a  | according     | to DIN 3 | 852-2 -  | ISO 99 | 74-1    |                         |              |                        |            |
| 2000                 | G3/4"  |               | 92       | 65       |        | 19      | HP12-1-IGF12            | 60,50        | HP12-2-IGF12           | 31,50      |
| $\exists \mathbf{R}$ | U3/4   |               | 3.62     | 2.56     |        | .75     | QRC-HP-19-F-G12-BT-W66  | 133.38       | QRC-HP-19-M-G12-B-W66  | 69.45      |
| TIN 4                | M22x1,5  |               | 92       | 65       |        | 19      | HP12-1-IMF22            | 62,80        | HP12-2-IMF22           | 31,30      |
| 1                    | WIZZXI,  |               | 3.62     | 2.56     |        | .75     | QRC-HP-19-F-M22-BT-W66  | 138.45       | QRC-HP-19-M-M22-B-W66  | 69         |
| LA                   | NOTE OVALLA  |               | 92       | 65       |        |         | HP12-1-INF12            | 62,80        | HP12-2-INF12           | 31,30      |
|                      | NPTF 3/4"-14   |               | 3.62     | 2.56     |        |         | QRC-HP-19-F-NF12-BT-W66 | 138.45       | QRC-HP-19-M-NF12-B-W66 | 69         |
|                      | Male Thread wit  | h 24° Con     | ical Bor | e - Shap | e W ac | cording | to DIN 3861             |              |                        |            |
|                      |  |               | 85       | 58       | 11     |         | HP12-1-L1218            | 54.40        | HP12-2-L1218           | 22.70      |
|                      | M18x1,5  | 12L           | 3.35     | 2.28     | .43    |         | ORC-HP-19-F-12L-BT-W66  | 119.93       | QRC-HP-19-M-12L-B-W66  | 50.04      |
|                      | Market Colors  |               | 86       | 59       | 12     |         | HP12-1-L1522            | 54.60        | HP12-2-L1522           | 23.20      |
|                      | M22x1,5  | 15L           | 3.39     | 2.32     | .47    |         | QRC-HP-19-F-15L-BT-W66  | 120.37       | QRC-HP-19-M-15L-B-W66  | 51.15      |
| [*·13*]              | Santa and  | 100           | 86       | 59       | 12     |         | HP12-1-L1826            | 55.50        | HP12-2-L1826           | 23.80      |
| 1                    | M26x1,5  | 18L           | 3.39     | 2.32     | .47    |         | ORC-HP-19-F-18L-BT-W66  | 122.36       | QRC-HP-19-M-18L-B-W66  | 52.47      |
| 11 3 4               |  | 2010          | 88       | 61       | 14     |         | HP12-1-L2230            | 56.90        | HP12-2-L2230           | 24,80      |
| 720                  | M30x2  | 22L           | 3.46     | 2.40     | .55    |         | ORC-HP-19-F-22L-BT-W66  | 125.44       | QRC-HP-19-M-22L-B-W66  | 54.67      |
| Ŋ                    | DESCRIPTION OF THE PERSON OF T | 122           | 88       | 61       | 14     |         | HP12-1-S1624            | 56           | HP12-2-S1624           | 24.20      |
|                      | M24x1,5  | 16S           | 3.46     | 2.40     | .55    |         | QRC-HP-19-F-16S-BT-W66  | 123.46       | QRC-HP-19-M-16S-B-W66  | 53.35      |
|                      |  | 000           | 90       | 63       | 16     |         | HP12-1-S2030            | 57.20        | HP12-2-S2030           | 25.20      |
|                      | M30x2  | 20S           | 3.54     | 2.48     | .63    |         | QRC-HP-19-F-20S-BT-W66  | 126.10       | QRC-HP-19-M-20S-B-W66  | 55.56      |
|                      | Male Thread wit  | h 24° Con     | ical Bor | e - Bulk | head - | Shape \ | N according to DIN 3861 |              |                        |            |
|                      |  |               | 100      | 73       | 26     |         | HP12-1-N1218            | 57.40        | HP12-2-N1218           | 27.60      |
|                      | M18x1,5  | 12L           | 3.94     | 2.87     | 1.02   |         | QRC-HP-19-F-12LB-BT-W66 | 126.55       | QRC-HP-19-M-12LB-B-W66 | 60.85      |
|                      | WWW.   |               | 101      | 74       | 27     |         | HP12-1-N1522            | 59           | HP12-2-N1522           | 27.40      |
|                      | M22x1,5  | 15L           | 3.98     | 2.91     | 1.06   |         | QRC-HP-19-F-15LB-BT-W66 | 130.07       | QRC-HP-19-M-15LB-B-W66 | 60,41      |
| -                    |  |               | 101      | 74       | 27     |         | HP12-1-N1826            | 62.70        | HP12-2-N1826           | 31         |
|                      | M26x1,5  | 18L           | 3.98     | 2.91     | 1.06   |         | ORC-HP-19-F-18LB-BT-W66 | 138.23       | ORC-HP-19-M-18LB-B-W66 | 68.34      |
| a <sub>1</sub>       |  |               | 110      | 83       | 36     |         | HP12-1-N2230            | 67.50        | HP12-2-N2230           | 35.50      |
| man ,                | M30x2  | 22L           | 4.33     | 3.27     | 1.42   |         | ORC-HP-19-F-22LB-BT-W66 | 148.81       | ORC-HP-19-M-22LB-B-W66 | 78.26      |
|                      | 500000-01  | in the second | 103      | 76       | 29     |         | HP12-1-T1624            | 61,40        | HP12-2-T1624           | 29.80      |
|                      | M24x1,5  | 16S           | 4.06     | 2.99     | 1.14   | +       | ORC-HP-19-F-16SB-BT-W66 | 135.36       | QRC-HP-19-M-16SB-B-W66 | 65.70      |
|                      | V-10-10-00-0   | Northeart     | 110      | 83       | 36     |         | HP12-1-T2030            | 68,50        | HP12-2-T2030           | 36.20      |
|                      | M30x2  | 20S           | 4.33     | 3.27     | 1.42   |         | ORC-HP-19-F-20SB-BT-W66 | 151.02       | ORC-HP-19-M-20SB-B-W66 | 79.81      |





SW: Width across flats. All dimensions in mm (inch).

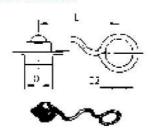
Dimensions acc. to ISO 7241-1, Series A, Size 25.

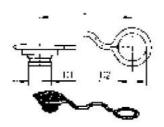
## Series HP-25 • BG 8 • Nominal Size 25

|      | Port A           | Dimer     | nsions      |           |          |         | Female Body             | Weight     | Male Tip                     | Weight      |
|------|------------------|-----------|-------------|-----------|----------|---------|-------------------------|------------|------------------------------|-------------|
|      |                  | (mm/in)   |             |           |          |         | Old Part Numbers        | (kg/ms)ca. | Old Part Numbers             | (Rg/lbs) Ca |
|      |                  | ØD2       | L1          | L2        | L3       | L4      | STAUFF Ordering Codes   | per 100    | STAUFF Ordering Codes        | per 100     |
|      | Female Thread a  | ccording  | to DIN 3    | 852-2-    | A - ANS  | B 1.20  | .3                      |            |                              |             |
|      |                  |           | 104         | 72        |          | 19      | HP20-1-IGF12            | 87.60      | HP20-2-IGF12                 | 40.90       |
|      | G3/4"            |           | 4.09        | 2.83      |          | .75     | QRC-HP-25-F-G12-BT-W66  | 193.12     | QRC-HP-25-M-G12-B-W66        | 90.17       |
| HH   |                  |           | 104         | 72        |          | 19      | HP20-1-IGF16            | 83.40      | HP20-2-IGF16                 | 36.30       |
|      | G1"              |           | 4.09        | 2.83      |          | .75     | QRC-HP-25-F-G16-BT-W66  | 183.87     | QRC-HP-25-M-G16-B-W66        | 80.03       |
| 14   |                  |           | 104         | 72        |          |         | HP20-1-INF16            | 83.40      | HP20-2-INF16                 | 36,30       |
| -    | NPTF 1"-11 1/2   |           | 4.09        | 2.83      |          |         | QRC-HP-25-F-NF16-BT-W66 | 183.87     | QRC-HP-25-M-NF16-B-W66       | 80.03       |
|      | Male Thread with | 24° Con   | 20 MAG      |           | o W oo   | oording |                         | 100.07     | 4110 111 25 III 111 10 D WOO | 00.00       |
|      | wate Hireau with | 24 6011   | icai bui    | e - Silaş | e w ac   | corung  | 10 DIN 3801             |            |                              |             |
|      | M22x1,5          | 15L       | 103         | 69        | 12       |         | HP20-1-L1522 *          | 79,70      | HP20-2-L1522 *               | 34,60       |
|      | WIZZXIIO         | IJL       | 4.06        | 2.72      | .47      |         | QRC-HP-25-F-15L-BT-W66  | 175.71     | QRC-HP-25-M-15L-B-W66        | 76.28       |
|      | M26x1,5          | 18L       | 103         | 69        | 12       |         | HP20-1-L1826            | 81,30      | HP20-2-L1826                 | 34,80       |
|      | WZOX1,J          | IOL       | 4.06        | 2.72      | .47      |         | QRC-HP-25-F-18L-BT-W66  | 179.24     | QRC-HP-25-M-18L-B-W66        | 76.72       |
|      | M30x2            | 22L       | 105         | 71        | 14       |         | HP20-1-L2230            | 81,70      | HP20-2-L2230                 | 35,50       |
| 13   | MISUXZ           | ZZL       | 4.13        | 2.80      | .55      |         | QRC-HP-25-F-22L-BT-W66  | 180.12     | QRC-HP-25-M-22L-B-W66        | 78.26       |
| П    | M36x2            | 28L       | 105         | 71        | 14       |         | HP20-1-L2836            | 81,90      | HP20-2-L2836                 | 36          |
|      | MISOXZ           | ZOL       | 4.13        | 2.80      | .55      |         | QRC-HP-25-F-28L-BT-W66  | 180.56     | QRC-HP-25-M-28L-B-W66        | 79.37       |
|      | M45x2            | 051       | 107         | 73        | 16       |         | HP20-1-L3545 *          | 89,60      | HP20-2-L3545 *               | 44,50       |
|      | M45X2            | 35L       | 4.21        | 2.87      | .63      |         | QRC-HP-25-F-35L-BT-W66  | 197.53     | QRC-HP-25-M-35L-B-W66        | 98.11       |
|      | 1400.0           | 000       | 107         | 73        | 16       |         | HP20-1-S2030            | 82,80      | HP20-2-S2030                 | 36,10       |
|      | M30x2            | M30x2 20S | 4.21        | 2.87      | .63      |         | QRC-HP-25-F-20S-BT-W66  | 182.54     | QRC-HP-25-M-20S-B-W66        | 79.59       |
|      |                  |           | 109         | 75        | 18       |         | HP20-1-S2536            | 85         | HP20-2-S2536                 | 38          |
|      | M36x2            | 258       | 4.29        | 2.95      | .71      |         | QRC-HP-25-F-25S-BT-W66  | 187.39     | QRC-HP-25-M-25S-B-W66        | 83.78       |
|      |                  |           | 111         | 77        | 20       |         | HP20-1-S3042            | 82         | HP20-2-S3042                 | 44          |
|      | M42x2            | 30S       | 4.37        | 3.03      | .79      |         | QRC-HP-25-F-30S-BT-W66  | 180.78     | QRC-HP-25-M-30S-B-W66        | 97          |
|      | Male Thread with | 24° Con   | ical Bor    | e - Bulk  | head - : | Shape V | V according to DIN 3861 |            |                              |             |
|      |                  |           | 118         | 84        | 27       |         | HP20-1-N1522            | 82.90      | HP20-2-N1522 *               | 37.80       |
|      | M22x1,5          | 15L       | 4.65        | 3.31      | 1.06     |         | QRC-HP-25-F-15LB-BT-W66 | 182.76     | QRC-HP-25-M-15LB-B-W66       | 83.33       |
|      |                  |           | 123         | 89        | 32       |         | HP20-1-N1826            | 85         | HP20-2-N1826                 | 42.80       |
|      | M26x1,5          | 18L       | 4.84        | 3.50      | 1.26     |         | QRC-HP-25-F-18LB-BT-W66 | 187.39     | QRC-HP-25-M-18LB-B-W66       | 94.36       |
| 13   |                  |           |             | 91        | 34       |         | HP20-1-N2230            | 90.90      | HP20-2-N2230                 | 44          |
| 2500 | M30x2            | 22L       | 125         | 3.58      | 1.34     |         | QRC-HP-25-F-22LB-BT-W66 | 200.40     | QRC-HP-25-M-22LB-B-W66       | 97          |
|      | 1                |           |             | 91        | 34       |         | HP20-1-N2836            |            |                              |             |
| B)   | M36x2            | 28L       | 125<br>4.92 | 3.58      | 1.34     |         |                         | 85,40      | HP20-2-N2836                 | 48,10       |
|      |                  |           | 1015        | penee.    | 100000   |         | QRC-HP-25-F-28LB-BT-W66 | 188.27     | QRC-HP-25-M-28LB-B-W66       | 106.0       |
|      | M30x2            | 20S       | 129         | 95        | 38       |         | HP20-1-T2030            | 83,50      | HP20-2-T2030                 | 47,40       |
|      |                  |           | 5.08        | 3.74      | 1.50     |         | QRC-HP-25-F-20SB-BT-W66 | 184.09     | QRC-HP-25-M-20SB-B-W66       | 104.50      |
|      | M36x2            | 258       | 129         | 35        | 38       |         | HP20-1-T2536            | 89         | HP20-2-T2536                 | 52,40       |
|      |                  |           | 5.08        | 1.38      | 1.50     |         | QRC-HP-25-F-25SB-BT-W66 | 196.21     | QRC-HP-25-M-25SB-B-W66       | 115.52      |
|      | M42x2            | 308       | 131         | 97        | 40       |         | HP20-1-T3042            | 111,90     | HP20-2-T3042                 | 63,40       |
|      |                  | 000       | 5.16        | 3.82      | 1.57     |         | QRC-HP-25-F-30SB-BT-W66 | 246.70     | QRC-HP-25-M-30SB-B-W66       | 139.77      |

<sup>\*</sup> Available on request.

## Series HP - Dust Protection

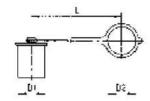


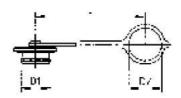




|        | nsions |      | Material              | Dust Cap for Male Tip  |  |  |  |
|--------|--------|------|-----------------------|------------------------|--|--|--|
| (mm/m) |        |      |                       | Old Part Numbers       |  |  |  |
| D1     | D2     | L    |                       | STAUFF Ordering Codes  |  |  |  |
| 28     | 27     | 134  | Plastic (Colour: Red) | HP10-0-RT004           |  |  |  |
| 1 10   | 1.06   | 5.28 | Plastic (Colour: Reu) | ORC-HP-12-DM-27-K/1-RD |  |  |  |

|               | nsions |      | Material              | Dust Plug for Female Body Old Part Numbers |
|---------------|--------|------|-----------------------|--|
| (mm/is)<br>D1 | D2     | L    |                       | STAUFF Ordering Codes                      |
| 22            | 27     | 135  | Di                    | HP10-9-RT004                               |
| .87           | 1.06   | 5.31 | Plastic (Colour: Red) | QRC-HP-12-DF-27-K/1-RD                     |

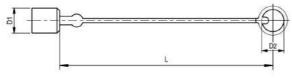




| Dimer  | Dimensions |      | Material              | Dust Cap for Male Tip |  |  |  |
|--------|------------|------|-----------------------|-----------------------|--|--|--|
| (mm/m) |            |      |                       | Old Part Numbers      |  |  |  |
| D1     | D2         | L    |                       | STAUFF Ordering Codes |  |  |  |
| 22     | 22         | 125  | DI (O-I DI)           | HP08-0-RT001          |  |  |  |
| .87    | .87        | 4.92 | Plastic (Colour: Red) | QRC-HP-10-DM-22-K-RD  |  |  |  |
| 33     | 37         | 190  | Disease (Only on One) | HP12-0-RT001          |  |  |  |
| 1.30   | 1.46       | 7.48 | Plastic (Colour: Red) | QRC-HP-19-DM-37-K-RD  |  |  |  |
| 36     | 41         | 190  | D                     | HP20-0-RT001          |  |  |  |
| 1.42   | 1.61       | 7.48 | Plastic (Colour; Red) | QRC-HP-25-DM-41-K-RD  |  |  |  |

|         | Dimensions |      | Material              | Dust Plug for Female Body |  |  |  |  |
|---------|------------|------|-----------------------|---------------------------|--|--|--|--|
| (mm/in) |            |      |                       | Old Part Numbers          |  |  |  |  |
| D1      | D2         | L    |                       | STAUFF Ordering Codes     |  |  |  |  |
| 18      | 22         | 125  | Plastic (Colour: Red) | HP08-9-RT001              |  |  |  |  |
| .71     | .87        | 4.92 | Frasuc (Colour: Red)  | QRC-HP-10-DF-22-K-RD      |  |  |  |  |
| 30      | 37         | 190  | Plastic (Colour: Red) | HP12-9-RT001              |  |  |  |  |
| 1.18    | 1.46       | 7.48 |                       | QRC-HP-19-DF-37-K-RD      |  |  |  |  |
| 36      | 41         | 190  |                       | HP20-9-RT001              |  |  |  |  |
| 1.42    | 1.61       | 7.48 | Plastic (Colour: Red) | QRC-HP-25-DF-41-K-RD      |  |  |  |  |

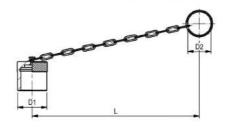
## Series HU • Dust Protection

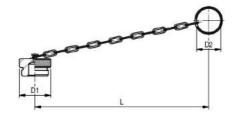




| HITCH CO. | nsions |      | Material              | Dust Cap for Male Tip Old Part Numbers |  |  |  |  |
|-----------|--------|------|-----------------------|--|--|--|--|--|
| (mm/in)   |        |      |                       | Old Part Numbers                       |  |  |  |  |
| D1        | D2     | L    |                       | STAUFF Ordering Codes                  |  |  |  |  |
| 29        | 26     | 250  | Disable (Onlaws Dad)  | IA12-0-RT001                           |  |  |  |  |
| 1.14      | 1.02   | 9.84 | Plastic (Colour: Red) | QRC-IA-12-DM-26-W66-RD                 |  |  |  |  |

| Dimer<br>(mm/in) | nsions |      | Material              | Dust Plug for Female Body Old Part Numbers |  |  |  |  |
|------------------|--------|------|-----------------------|--|--|--|--|--|
| D1               | D2     | L    |                       | STAUFF Ordering Codes                      |  |  |  |  |
| 35               | 26     | 250  | Disable (Colour Ded)  | IA12-9-RT001                               |  |  |  |  |
| 1.38             | 1.02   | 9.84 | Plastic (Colour: Red) | QRC-IA-12-DF-26-W66-RD                     |  |  |  |  |





| Dimensions |      |      | Material                        | Dust Cap for Male Tip     |  |  |  |
|------------|------|------|---------------------------------|---------------------------|--|--|--|
| (mm/in)    |      |      |                                 | Old Part Numbers          |  |  |  |
| D1         | D2   | L    |                                 | STAUFF Ordering Codes     |  |  |  |
| 38         | 32   | 205  | A Completion of the Calculation | IA12-0-SI001              |  |  |  |
| 1.50       | 1.26 | 8.07 | Aluminium with chain            | QRC-IA-12-DM-32/CN-W89-SI |  |  |  |

| Dimer<br>(mm/in)<br>D1 | nsions<br>D2 | L    | Material             | Dust Plug for Female Body Old Part Numbers STAUFF Ordering Codes |
|------------------------|--------------|------|----------------------|--|
| 38                     | 32           | 205  | Aluminium with chain | IA12-9-SI001   |
| 1.50                   | 1.26         | 8.07 | Aluminium with chain | QRC-IA-12-DF-32/CN-W89-SI  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

| Series UX - Overview                                    | 54 |
|---|----|
| Series UX-S-12 • BG 3 • Nominal Size 12,5 short version | 55 |
| Series UX-L-12 • BG 3 • Nominal Size 12,5 long version  | 56 |



#### Series UX • Carbon Steel

| Material                  | Carbon Steel  |
|---------------------------|---|
| Surface Finishing         | Zinc-Plating and Thick-Film-Passivation (Chrome III)                    |
| Standard Seal Material(s) | NBR (Buna-N®), PTFE 2   |
| Working Temperature       | -30° C +100° C / -22° F +212° F   |
| Valve Design              | Poppet Valve  |
| Connection                | Push  |
| Disconnection             | Pull  |
| Connect Under Pressure    | Female Body with ISO-A Male Tip up to the max. Working Pressure allowed |
| Application               | Agricultural and Forestry Machinery                                     |
| ISO Interchange           | ISO 7241-1 Series A, Size 12,5  |



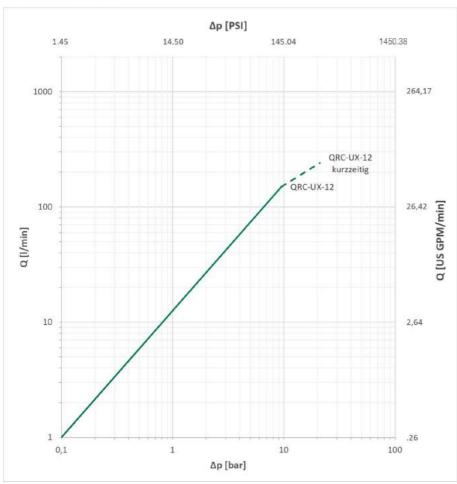
The series UX coupling sleeve is available in two different overall lengths and is therefore compatible with the common commercially available built-in couplings.

#### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | м    | lale Tip | Spillag | е     |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|---------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml      | fl oz |
| UX-12  | 3  | 1/2"       | 12,5         | 100   | 21.13  | 250    | 3626       | 1000 | 14504                 | 1000 | 14504     | 1000 | 14504    | 1,7     | .0575 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

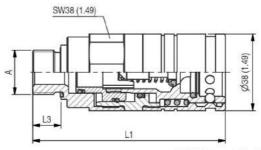
#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

UX

<sup>&</sup>lt;sup>2</sup>Alternative seal materials are available on request.

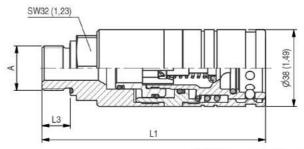


SW: Width across flats. All dimensions in mm (inch).

## Series UX-S-10 • BG 3 • Nominal Size 12,5

|      | Port A        | Dime                 | nsions        |          |            |         | Female Body                                | Weight                   |
|------|---------------|----------------------|---------------|----------|------------|---------|--|--------------------------|
|      |               | ( <sup>mm</sup> /in) |               |          |            |         | Old Part Numbers                           | ( <sup>k0</sup> /ibs) Ca |
|      |               | ØD2                  | L1            | L2       | L3         | L4      | STAUFF Ordering Codes                      | per 100                  |
|      | Male Thread a | according to         | EN ISO        | 9974-2   | , DIN 38   | 52 T11  | Shape E                                    |                          |
|      | MODAL E       |                      | 95,5          |          | 14         |         | UX10-1-AME22S                              | 49,50                    |
| 1    | M22x1,5       |                      | 3.76          |          | .55        |         | QRC-UX-S-12-F-M22MWD-S1-W66-SM             | 109.13                   |
|      |               |                      |               |          |            |         |  |                          |
|      |               |                      |               |          |            |         |  |                          |
|      | Male Thread a | according to         | ISO 614       | 19, DIN  | 3852 T3    | , Shape | ec .                                       |                          |
|      | M22x1,5       |                      | 94            |          | 13         |         | UX10-1-AMF22S                              | 49,20                    |
| 1    | WIZZX1,5      |                      | 3.70          |          | .51        |         | QRC-UX-S-12-F-M22MOR-S1-W66-SM             | 108.47                   |
|      |               |                      |               |          |            |         |  |                          |
| 4    |               |                      |               |          |            |         |  |                          |
|      |               |                      |               |          |            |         |  |                          |
|      | Male Thread v | with 24° Con         | ical Bor      | e - Bull | chead -    | Shape \ | W according to DIN 3861                    |                          |
|      |               |                      |               |          |            |         |  |                          |
|      | Name of Co.   | 4.01                 | 112,5         | 5        | 30         |         | UX10-1-N1218S                              | 50,20                    |
| 7    | M18x1,5       | 12L                  | 112,5<br>4.43 |          | 30<br>1.18 |         | UX10-1-N1218S<br>QRC-UX-S-12-F-12LB-S1-W66 |                          |
| 1    |               | 1,675                |               |          |            |         | 275505000000000000000000000000000000000    |                          |
| ıl a | M18x1,5       | 12L<br>15L           | 4.43          |          | 1.18       |         | QRC-UX-S-12-F-12LB-S1-W66                  | 110.67                   |
| , s  |               | 1,675                | 4.43<br>109,5 | i        | 1.18<br>27 |         | QRC-UX-S-12-F-12LB-S1-W66<br>UX10-1-N1522S | 110.67<br>51,30          |

Dust Cover Clips: Please see page 188.



SW: Width across flats. All dimensions in mm (inch).

## Series UX-L-10 • BG 3 • Nominal Size 12,5

|     | Port A  | Dimen                     | sions   |                          |                          | Female Body  | Weight  |
|-----|---|---------------------------|---|--------------------------|--------------------------|--|---|
|     |   | (mm/in)                   | 12/2  |                          | 14.74                    | Old Part Numbers   | ( <sup>kg</sup> /tos) C8                              |
|     |   | ØD2                       | L1  | L2 L3                    | L4                       | STAUFF Ordering Codes  | per 100   |
|     | Male Thread ac  |                           |   |                          |                          |  |   |
|     | M22x1,5   |                           | 110,3   | 14                       |                          | UX10-1-AME22L  | 59,60   |
|     | WEZAT, J  |                           | 4.34  | .55                      |                          | QRC-UX-L-12-F-M22MWD-S1-W66-SM   | 131.40  |
|     |   |                           |   |                          |                          |  |   |
|     | Male Thread ac  | cording to I              | ISO 6149  | DIN 3852 T               | 3, Shape                 | eC .   |   |
|     | 14045   |                           | 110,8   | 14                       |                          | UX10-1-AMF18L  | 61,90   |
| B   | M18x1,5   |                           | 4.36  | .55                      |                          | QRC-UX-L-12-F-M18MOR-S1-W66-SM   | 136.47  |
| D   | M22 x 1,5   |                           | 110,8   | 14                       |                          | UX10-1-AMF22L  | 59,60   |
|     | M22 X 1,5   |                           | 4.36  | .55                      |                          | QRC-UX-L-12-F-M22MOR-S1-W66-SM   | 131.40  |
|     | Male Thread wit   | th 24° Coni               | cal Bore  |                          | Shape \                  | W according to DIN 3861  |   |
|     |   |                           |   | - Bulkhead -             | Shape \                  | W according to DIN 3861  UX10-1-N1218L   | 60.20   |
| 13  | Male Thread wit   | th 24° Coni               | 121,5<br>4.78   |                          |                          |  | 60,20<br>132.72                                       |
|     | M18x1,5   | 12L                       | 121,5   | 26                       |                          | UX10-1-N1218L  |   |
| 13  |   |                           | 121,5<br>4.78   | 26<br>1.02               |                          | UX10-1-N1218L<br>QRC-UX-L-12-F-12LB-S1-W66   | 132.72<br>62,90                                       |
| 3 4 | M18x1,5   | 12L                       | 121,5<br>4.78<br>123,5  | 26<br>1.02<br>26         |                          | UX10-1-N1218L<br>QRC-UX-L-12-F-12LB-S1-W66<br>UX10-1-N1522L  | 132.72<br>62,90                                       |
|     | M18x1,5   | 12L<br>15L                | 121,5<br>4.78<br>123,5<br>4.86  | 26<br>1.02<br>26<br>1.02 |                          | UX10-1-N1218L<br>QRC-UX-L-12-F-12LB-S1-W66<br>UX10-1-N1522L<br>QRC-UX-L-12-F-15LB-S1-W66   | 132.72<br>62,90                                       |
|     | M18x1,5 M22 x 1,5 Female Thread   | 12L<br>15L                | 121,5<br>4.78<br>123,5<br>4.86  | 26<br>1.02<br>26<br>1.02 |                          | UX10-1-N1218L<br>QRC-UX-L-12-F-12LB-S1-W66<br>UX10-1-N1522L<br>QRC-UX-L-12-F-15LB-S1-W66   | 132.72<br>62,90                                       |
|     | M18x1,5<br>M22 x 1,5  | 12L<br>15L                | 121,5<br>4.78<br>123,5<br>4.86  | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$              | UX10-1-N1218L<br>QRC-UX-L-12-F-12LB-S1-W66<br>UX10-1-N1522L<br>QRC-UX-L-12-F-15LB-S1-W66   | 132.72<br>62,90<br>138.67                             |
|     | M18x1,5<br>M22 x 1,5<br>Female Thread   | 12L<br>15L                | 121,5<br>4,78<br>123,5<br>4,86<br>to ISO 117<br>107,3<br>4,22<br>107,3                          | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$              | UX10-1-N1218L QRC-UX-L-12-F-12LB-S1-W66 UX10-1-N1522L QRC-UX-L-12-F-15LB-S1-W66  SAE J1926-1 UX10-1-IGF08L   | 60,40<br>133.16<br>60,80                              |
| 3 4 | M18x1,5 M22 x 1,5 Female Thread   | 12L<br>15L                | 121,5<br>4,78<br>123,5<br>4.86<br>to ISO 117  | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$              | UX10-1-N1218L QRC-UX-L-12-F-12LB-S1-W66 UX10-1-N1522L QRC-UX-L-12-F-15LB-S1-W66  SAE J1926-1 UX10-1-IGF08L QRC-UX-L-12-F-G08-S1-W66  | 132.72<br>62,90<br>138.67<br>60,40<br>133.16          |
| 3 4 | M18x1,5<br>M22 x 1,5<br>Female Thread<br>G1/2"<br>NPTF 1/2"-14                | 12L<br>15L                | 121,5<br>4,78<br>123,5<br>4,86<br>to ISO 11:<br>107,3<br>4,22<br>107,3<br>4,22<br>107,3         | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$              | UX10-1-N1218L QRC-UX-L-12-F-12LB-S1-W66 UX10-1-N1522L QRC-UX-L-12-F-15LB-S1-W66  SAE J1926-1  UX10-1-IGF08L QRC-UX-L-12-F-G08-S1-W66 UX10-1-INF08L   | 60,40<br>133.16<br>60,80                              |
| 3 4 | M18x1,5<br>M22 x 1,5<br>Female Thread   | 12L<br>15L                | 121,5<br>4,78<br>123,5<br>4,86<br>to ISO 11:<br>107,3<br>4,22<br>107,3<br>4,22                  | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$<br>15<br>.59 | UX10-1-N1218L QRC-UX-L-12-F-12LB-S1-W66 UX10-1-N1522L QRC-UX-L-12-F-15LB-S1-W66  SAE J1926-1  UX10-1-IGF08L QRC-UX-L-12-F-G08-S1-W66  UX10-1-INF08L QRC-UX-L-12-F-NF08-S1-W66              | 60,40<br>133.16<br>60,80<br>134.04<br>60,90           |
|     | M18x1,5<br>M22 x 1,5<br>Female Thread<br>G1/2"<br>NPTF 1/2"-14                | 12L<br>15L<br>according 1 | 121,5<br>4.78<br>123,5<br>4.86<br>to ISO 117<br>107,3<br>4.22<br>107,3<br>4.22<br>107,3<br>4.22 | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$<br>15<br>.59 | UX10-1-N1218L QRC-UX-L-12-F-12LB-S1-W66 UX10-1-N1522L QRC-UX-L-12-F-15LB-S1-W66  SAE J1926-1  UX10-1-IGF08L QRC-UX-L-12-F-G08-S1-W66 UX10-1-INF08L QRC-UX-L-12-F-NF08-S1-W66 UX10-1-UNF08L | 60,40<br>133.16<br>60,80<br>134.04<br>60,90           |
|     | M18x1,5<br>M22 x 1,5<br>Female Thread<br>G1/2"<br>NPTF 1/2"-14<br>UNF 3/4"-16 | 12L<br>15L<br>according 1 | 121,5<br>4.78<br>123,5<br>4.86<br>to ISO 117<br>107,3<br>4.22<br>107,3<br>4.22<br>107,3<br>4.22 | 26<br>1.02<br>26<br>1.02 | 1.20.3 - \$<br>15<br>.59 | UX10-1-N1218L QRC-UX-L-12-F-12LB-S1-W66 UX10-1-N1522L QRC-UX-L-12-F-15LB-S1-W66  SAE J1926-1  UX10-1-IGF08L QRC-UX-L-12-F-G08-S1-W66 UX10-1-INF08L QRC-UX-L-12-F-NF08-S1-W66 UX10-1-UNF08L | 62,90<br>138.67<br>60,40<br>133.16<br>60,80<br>134.04 |

Dust Cover Clips: Please see page 188.

## Series IA • Carbon Steel

| Series IA • Overview                     | 58 | Series IA-38 • BG 12 • Nominal Size 38 | 61 |
|--|----|--|----|
| Series IA-06 • BG 1 • Nominal Size 6,3   | 59 | Series IA-51 • BG 14 • Nominal Size 51 | 61 |
| Series IA-10 • BG 2 • Nominal Size 10    | 59 | Series IA • Dust Protection            | 62 |
| Series IA-12 • BG 3 • Nominal Size 12,5  | 60 |  |    |
| Series IA-19 • BG 6 • Nominal Size 19    | 60 |  |    |
| Series IA-25 • BG 8 • Nominal Size 25    | 61 |  |    |
| Series IA-31 = BG 10 = Nominal Size 31,5 | 61 |  |    |



### Series IA . Carbon Steel

| Material                  | Carbon Steel                        |  |  |  |  |
|---------------------------|-------------------------------------|--|--|--|--|
| Surface Finishing         | Zinc-Nickel                         |  |  |  |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2                     |  |  |  |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F     |  |  |  |  |
| Valve Design              | Poppet Valve                        |  |  |  |  |
| Connection                | Push and actuate Push Sleeve        |  |  |  |  |
| Disconnection             | Actuate Push Sleeve                 |  |  |  |  |
| Connect Under Pressure    | not allowed                         |  |  |  |  |
| Application               | Agricultural and Forestry Machinery |  |  |  |  |
| ISO Interchange           | ISO 7241-1, Series A                |  |  |  |  |

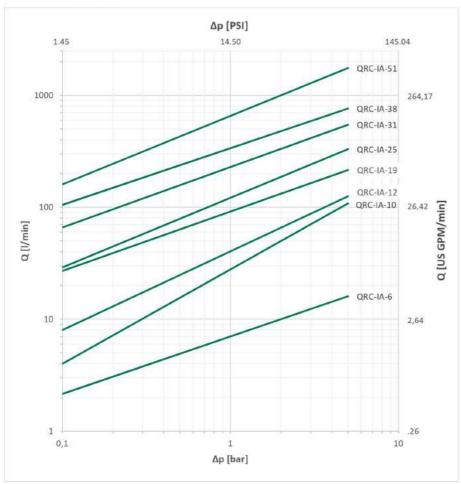


### **Technical Data**

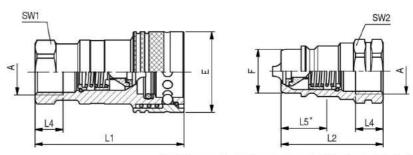
| Series | BG | DN<br>Zoli | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | M    | ale Tip | Spillage | )      |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|---------|----------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml       | fl oz  |
| IA-06  | 1  | 1/4"       | 6,3          | 17    | 4.49   | 350    | 5076       | 1400 | 20305                 | 1700 | 24656     | 1500 | 21756   | 0,5      | .0169  |
| IA-10  | 2  | 3/8"       | 10           | 46    | 12.15  | 275    | 3989       | 1500 | 21756                 | 1500 | 217556    | 1400 | 20305   | 1,9      | .0642  |
| IA-12  | 3  | 1/2"       | 12,5         | 90    | 23.77  | 275    | 3989       | 1200 | 17404                 | 1400 | 20305     | 1000 | 14504   | 2,7      | .0913  |
| IA-19  | 6  | 3/4"       | 19 (20)      | 190   | 50.19  | 200    | 2901       | 1000 | 14504                 | 1500 | 21756     | 900  | 13053   | 9,3      | .3145  |
| IA-25  | 8  | 1"         | 25           | 280   | 73.97  | 200    | 2901       | 1000 | 14504                 | 1000 | 14504     | 1300 | 18855   | 16,0     | .5410  |
| IA-31  | 10 | 1 1/4"     | 31           | 480   | 126.80 | 200    | 2901       | 1000 | 14504                 | 850  | 12328     | 1100 | 15954   | 30,0     | 1.0144 |
| IA-38  | 12 | 1 1/2"     | 38           | 757   | 199.98 | 130    | 1885       | 820  | 11893                 | 800  | 11603     | 800  | 11603   | 54,0     | 1.8260 |
| IA-51  | 14 | 2"         | 51           | 1000  | 264.17 | 130    | 1885       | 1000 | 14504                 | 960  | 13924     | 650  | 9427    | 120,0    | 4.0577 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.

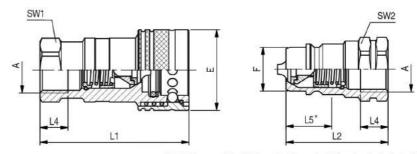
\* Insertion Male Tip.

# Series IA-06 • BG 1 • Nominal Size 6,3

| Complex   Comp   |    | Port A         | Dime   | ension  | s       |        |            |      |     |     | Female Body            | Weight                    | Male Tip              | Weight                   |
|--|----|----------------|--------|---------|---------|--------|------------|------|-----|-----|------------------------|---------------------------|-----------------------|--------------------------|
| Female Thread according to DIN 3852 - ANSI B 1.20.3  G1/4"  26 11,85 49,2 35 12 13,7 19 19 IA06-1-IGF04 10,60 IA06-2-IGF04  1.02 .47 1.94 1.38 .47 .54 .75 .75 QRC-IA-06-F-G04-BT-W3 23.37 QRC-IA-06-M-G04-B-W3  NPTF 1/4"-18 26 11,85 49,2 35 13,7 19 19 IA06-1-INF04 10,70 IA06-2-INF04  1.02 .47 1.94 1.38 .54 .75 .75 QRC-IA-06-F-NF04-BT-W3 23.59 QRC-IA-06-M-NF04-B-W3  Female Thread according to SAE J 1926-1  |    |                | (mm/in | )       |         |        |            |      |     |     | Old Part Numbers       | ( <sup>kg</sup> /lb±) ca. | Old Part Numbers      | ( <sup>kg</sup> /lbs) Ca |
| G1/4" 26 11,85 49,2 35 12 13,7 19 19 IA06-1-IGF04 10,60 IA06-2-IGF04 1.02 .47 1.94 1.38 .47 .54 .75 .75 QRC-IA-06-F-G04-BT-W3 23.37 QRC-IA-06-M-G04-B-W3 IA06-1-INF04 10,70 IA06-2-INF04 10,70 IA06-2-INF04 10,70 IA06-2-INF04 IA0 |    |                | ØE     | ØF      | L1      | L2     | L4 min     | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100                   | STAUFF Ordering Codes | per 100                  |
| 1.02   |    | Female Thread  | accor  | ding to | o DIN : | 852 -  | ANSI B 1.2 | 0.3  |     |     |                        |                           |                       |                          |
| 1.02 .47 1.94 1.38 .47 .54 .75 .75 QRC-IA-06-F-G04-BI-W3 23.37 QRC-IA-06-M-G04-B-W3 10.70 IA06-2-INF04 IA06-2-IN |    | 04 (41)        | 26     | 11,85   | 5 49,2  | 35     | 12         | 13,7 | 19  | 19  | IA06-1-IGF04           | 10,60                     | IA06-2-IGF04          | 3,70                     |
| NPTF 1/4" -18 1.02 .47 1.94 1.38 .54 .75 .75 QRC-IA-06-F-NF04-BT-W3 23.59 QRC-IA-06-M-NF04-B-W3  Female Thread according to SAE J 1926-1   | P  | 61/4"          | 1.02   | .47     | 1.94    | 1.38   | .47        | .54  | .75 | .75 | QRC-IA-06-F-G04-BT-W3  | 23.37                     | QRC-IA-06-M-G04-B-W3  | 8.16                     |
| Female Thread according to SAE J 1926-1  | JH | NOTE 4 /48, 40 | 26     | 11,8    | 5 49,2  | 35     |            | 13,7 | 19  | 19  | IA06-1-INF04           | 10,70                     | IA06-2-INF04          | 3,80                     |
| Female Thread according to SAE J 1926-1  | 1  | NP1F 1/4 -18   | 1.02   | .47     | 1.94    | 1.38   |            | .54  | .75 | .75 | QRC-IA-06-F-NF04-BT-W3 | 23.59                     | QRC-IA-06-M-NF04-B-W3 | 8.38                     |
| the state of the s |    | Female Thread  | accor  | ding to | o SAE   | J 1926 | i-1        |      |     |     |                        |                           |                       |                          |
| UNF 9/16*-18 26 11,85 49,2 35 12,7 13,7 19 19 IA06-1-IUF06 10,20 IA06-2-IUF06  |    |                | 26     | 11,89   | 5 49,2  | 35     | 12,7       | 13,7 | 19  | 19  | IA06-1-IUF06           | 10,20                     | IA06-2-IUF06          | 3,40                     |
| UNF 9/16" -18 1.02 .47 1.94 1.38 .50 .54 .75 .75 QRC-IA-06-F-U06-BT-W3 22.49 QRC-IA-06-M-U06-B-W3  |    |                |        | 17      | 4.04    | 1 38   | 50         | 54   | 75  | 75  | ORC-IA-06-F-U06-BT-W3  | 22 49                     | ORC-IA-06-M-U06-R-W3  | 7.50                     |

### Series IA-10 \* BG 2 \* Nominal Size 10

|      | Port A         | Dime    | ension  | S            |                        |            |       |     |     | Female Body            | Weight         | Male Tip                  | Weight        |
|------|----------------|---------|---------|--------------|------------------------|------------|-------|-----|-----|------------------------|----------------|---------------------------|---------------|
|      |                | (mm/in) | )       |              |                        |            |       |     |     | Old Part Numbers       | (kg/lbs) Ca.   | Old Part Numbers          | (Kg/its) Ca   |
|      |                | ØE      | ØF      | L1           | L2                     | L4 min     | L5    | SW1 | SW2 | STAUFF Ordering Codes  | per 100        | STAUFF Ordering Codes     | per 100       |
|      | Female Thread  | accor   | ding to | DIN 3        | 8852 -                 | ANSI B 1.2 | 0.3   |     |     |                        |                |                           |               |
|      | 0.0/01         | 30      | 17,3    | 60,5         | 42,5                   | 12         | 18    | 22  | 22  | IA10-1-IGF06           | 15,50          | IA10-2-IGF06              | 5,90          |
| P    | G 3/8"         | 1.18    | .68     | 2.38         | 1.67                   | .47        | .71   | .87 | .87 | QRC-IA-10-F-G06-BT-W3  | 34.17          | QRC-IA-10-M-G06-B-W3      | 13.01         |
| IH.  | NPTF 3/8" -18  | 30      | 17,3    | 60,5         | 42,5                   |            | 18    | 22  | 22  | IA10-1-INF06           | 15,60          | IA10-2-INF06              | 6             |
|      | INP IF 3/8 -18 | 1.18    | .68     | 2.38         | 1.67                   |            | .71   | .87 | .87 | QRC-IA-10-F-NF06-BT-W3 | 34.39          | QRC-IA-10-M-NF06-B-W3     | 13.23         |
| и    |                | 1.10    | ,00     | 2.00         | 1.01                   |            | 1.7.1 | .01 | .07 | 4110-14-10-1-1413      | 34.00          | CHO-IA-10-III-III 00-D-W3 | 10.20         |
| ia i | Female Thread  | l accor | ding to | o SAE        | J 1926                 |            | 18    |     | 22  | IA10-1-IUF06           |                | IA10-2-IUF06              |               |
|      | Female Thread  |         |         | o SAE        | J 1926                 | 12,7       |       | 22  |     |                        | 17,50<br>38,58 |                           | 7,90<br>17.42 |
|      |                | i accor | ding to | 60,5<br>2.38 | J 1926<br>42,5<br>1.67 | 12,7       | 18    | 22  | 22  | IA10-1-IUF06           | 17,50          | IA10-2-IUF06              | 7,90          |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.

\* Insertion Male Tip.

# Series IA-12 • BG 3 • Nominal Size 12,5

|      | Port A        | Dime   | ension:  | S     |        |            |          |        |      | Female Body            | Weight      | Male Tip              | Weight                                |
|------|---------------|--------|----------|-------|--------|------------|----------|--------|------|------------------------|-------------|-----------------------|---------------------------------------|
|      |               | (mm/ir | )        |       |        |            |          |        |      | Old Part Numbers       | (*g/ms) Ca. | Old Part Numbers      | ( <sup>kg</sup> / <sub>lbe</sub> ) Ca |
|      |               | ØE     | ØF       | L1    | L2     | L4 min     | L5       | SW1    | SW2  | STAUFF Ordering Codes  | per 100     | STAUFF Ordering Codes | per 100                               |
|      | Female Thread | dacco  | rding to | DIN 3 | 3852 - | ANSI B 1.2 | 0.3 - IS | 0 9974 | 1-1  |                        |             |                       |                                       |
|      | G 1/2"        | 38     | 20,55    | 70    | 48     | 14         | 21,5     | 27     | 27   | IA12-1-IGF08           | 26,80       | IA12-2-IGF08          | 9,70                                  |
| -P1  | G 1/2         | 1.5    | .81      | 2.76  | 1.89   | .55        | .85      | 1.06   | 1.06 | QRC-IA-12-F-G08-BT-W3  | 59.08       | QRC-IA-12-M-G08-B-W3  | 21.38                                 |
| TH 4 | NPTF 1/2" -14 | 38     | 20,58    | 70    | 48     |            | 21,5     | 27     | 27   | IA12-1-INF08           | 26,90       | IA12-2-INF08          | 9,80                                  |
| 1    | NF1F 1/2 -14  | 1.5    | .81      | 2.76  | 1.89   |            | .85      | 1.06   | 1.06 | QRC-IA-12-F-NF08-BT-W3 | 59.30       | QRC-IA-12-M-NF08-B-W3 | 21.61                                 |
| Ja.  | NPTF 3/4" -14 | 38     | 20,55    | 70    | 48     |            | 21,5     | 27     | 27   | IA12-1-INF12           | 35,30       | IA12-2-INF12          | 9,80                                  |
|      | NF1F 3/4 -14  | 1.5    | .81      | 2.76  | 1.89   |            | .85      | 1.06   | 1.06 | QRC-IA-12-F-NF12-BT-W3 | 77.82       | QRC-IA-12-M-NF12-B-W3 | 21.61                                 |
|      | Female Thread | acco   | rding to | SAE   | J 1926 | i-1        |          |        |      |                        |             |                       |                                       |
|      | MOOUL E       | 38     | 20,58    | 70    | 48     | 15,5       | 21,5     | 27     | 27   | IA12-1-IMF22           | 26          | IA12-2-IMF22          | 9                                     |
| PI-  | M22x1,5       | 1.5    | .81      | 2.76  | 1.89   | .61        | .85      | 1.06   | 1.06 | QRC-IA-12-F-M22-BT-W3  | 57.32       | QRC-IA-12-M-M22-B-W3  | 19.84                                 |
| H-14 | UNF 3/4" -16  | 38     | 20,58    | 70    | 48     | 14,3       | 21,5     | 27     | 27   | IA12-1-IUF08           | 27,40       | IA12-2-IUF08          | 10,10                                 |
|      | UNF 3/4 - 10  | 1.5    | .81      | 2.76  | 1.89   | .56        | .85      | 1.06   | 1.06 | QRC-IA-12-F-U08-BT-W3  | 60.41       | QRC-IA-12-M-U08-B-W3  | 22.27                                 |
| u    | UNF 7/8" -14  | 38     | 20,58    | 70    | 48     | 16,7       | 21,5     | 27     | 27   | IA12-1-IUF10           | 26          | IA12-2-IUF10          | 10,10                                 |
|      | UNF 7/0 -14   | 1.5    | .81      | 2.76  | 1.89   | .66        | .85      | 1.06   | 1.06 | ORC-IA-12-F-U10-BT-W3  | 57.32       | QRC-IA-12-M-U10-B-W3  | 22.27                                 |

### Series IA-19 • BG 6 • Nominal Size 19

|   | Port A        | Dime    | ension  | S     |        |            |      |      |      | Female Body            | Weight       | Male Tip              | Weight       |
|---|---------------|---------|---------|-------|--------|------------|------|------|------|------------------------|--------------|-----------------------|--------------|
|   |               | (mm/in) |         |       |        |            |      |      |      | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers      | (Ng/Ibs) ca. |
|   |               | ØE      | ØF      | L1    | L2     | L4 min     | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
|   | Female Thread | accor   | ding to | DIN 3 | 8852 - | ANSI B 1.2 | 0.3  |      |      |                        |              |                       |              |
|   | 0.2/48        | 45      | 29,1    | 84,3  | 57     | 16         | 26,8 | 34   | 34   | IA19-1-IGF12           | 42,80        | IA19-2-IGF12          | 18           |
| 1 | G 3/4"        | 1.77    | 1.14    | 3.32  | 2.24   | .63        | 1.05 | 1.34 | 1.34 | QRC-IA-19-F-G12-BT-W3  | 94.36        | QRC-IA-19-M-G12-B-W3  | 39.68        |
| 4 | NPTF 3/4" -14 | 45      | 29,1    | 84,3  | 57     |            | 26,8 | 34   | 34   | IA19-1-INF12           | 43,40        | IA19-2-INF12          | 18,60        |
| * | NP1F3/4 -14   | 1.77    | 1.14    | 3.32  | 2.24   |            | 1.05 | 1.34 | 1.34 | QRC-IA-19-F-NF12-BT-W3 | 95.68        | QRC-IA-19-M-NF12-B-W3 | 41.01        |

### Series IA-25 • BG 8 • Nominal Size 25

|      | Port A           | Dime    | nsions |      |       |             |     |      |      | Female Body            | Weight       | Male Tip              | Weight      |
|------|------------------|---------|--------|------|-------|-------------|-----|------|------|------------------------|--------------|-----------------------|-------------|
|      |                  | (mm/in) |        |      |       |             |     |      |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers      | (*9ль») са. |
|      |                  | ØE      | ØF     | L1   | L2    | L4 min      | L5  | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100     |
|      | Female Thread ac | cording | to DIN | 3852 | - ANS | SI B 1.20.3 |     |      |      |                        |              |                       |             |
|      | 0.41             | 52      | 34,35  | 101  | 67,5  | 18          | 33  | 41   | 41   | IA25-1-IGF16           | 70           | IA25-2-IGF16          | 30,40       |
| TPT  | G 1"             | 2.05    | 1.35   | 3.98 | 2.66  | .71         | 1.3 | 1.61 | 1.61 | QRC-IA-25-F-G16-BT-W3  | 154.32       | QRC-IA-25-M-G16-B-W3  | 67.02       |
| JH 4 | NPTF 1" -11 1/2  | 52      | 34,35  | 101  | 67,5  |             | 33  | 41   | 41   | IA25-1-INF16           | 70,80        | IA25-2-INF16          | 31,30       |
| 1    | NPIF 1"-11 1/2   | 2.05    | 1.35   | 3.98 | 2.66  |             | 1.3 | 1.61 | 1.61 | QRC-IA-25-F-NF16-BT-W3 | 156.09       | QRC-IA-25-M-NF16-B-W3 | 69.00       |

# Series IA-31 • BG 10 • Nominal Size 31,5

|        | Port A                | Dime      | nsions | S      |       |             |      |      |      | Female Body            | Weight       | Female Body with Dust Plug | Weight                   |
|--------|-----------------------|-----------|--------|--------|-------|-------------|------|------|------|------------------------|--------------|----------------------------|--------------------------|
|        |                       | (****/in) | )      |        |       |             |      |      |      | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers           | ( <sup>kq</sup> /lbs) Ca |
|        |                       | ØE        | ØF     | L1     | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes      | per 100                  |
|        | Female Thread acco    | ording    | to DIN | N 3852 | - ANS | SI B 1.20.3 |      |      |      |                        |              |                            |                          |
|        | 011/#                 | 70        | 45     | 116,9  | 75    | 20          | 41,3 | 50   | 50   | IA31-1-IGF20           | 151,50       | IA31-2-IGF20               | 55,90                    |
| P      | G 1 1/4"              | 2.75      | 1.77   | 4.60   | 2.95  | .79         | 1.62 | 1.97 | 1.97 | QRC-IA-31-F-G20-BT-W3  | 334          | QRC-IA-31-M-G20-B-W3       | 123.24                   |
| TH. *1 | NOTE 4 4 (4) 44 4 (0) | 70        | 45     | 116,9  | 75    |             | 41,3 | 50   | 50   | IA31-1-INF20           | 153,20       | IA31-2-INF20               | 57,20                    |
| ,      | NPTF 1 1/4" -11 1/2   | 2.75      | 1.77   | 4.60   | 2.95  |             | 1.62 | 1.97 | 1.97 | QRC-IA-31-F-NF20-BT-W3 | 337.75       | QRC-IA-31-M-NF20-B-W3      | 126.10                   |

### Series IA-38 • BG 12 • Nominal Size 38

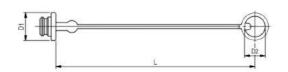
|   | Port A              | Dime    | ensions | S    |       |             |      |      |      | Female Body           | Weight       | Male Tip              | Weight      |
|---|---------------------|---------|---------|------|-------|-------------|------|------|------|-----------------------|--------------|-----------------------|-------------|
|   |                     | (mm/in) |         |      |       |             |      |      |      | Old Part Numbers      | (kg/ibs) ca. | Old Part Numbers      | ("PAbs) Ca. |
|   |                     | ØE      | ØF      | L1   | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100     |
|   | Female Thread acco  | ording  | to DIN  | 3852 | - ANS | SI B 1.20.3 |      |      |      |                       |              |                       |             |
|   | 0.4.4.00            | 82      | 55      | 133  | 83,5  | 22          | 48,8 | 60   | 60   | IA38-1-IGF24          | 244,50       | IA38-2-IGF24          | 91,80       |
| ľ | G 1 1/2"            | 3.23    | 2.16    | 5.24 | 3.29  | .87         | 1.92 | 2.36 | 2.36 | QRC-IA-38-F-G24-BT-W3 | 539.03       | QRC-IA-38-M-G24-B-W3  | 202.38      |
|   |                     | 82      | 55      | 133  | 83,5  |             | 48,8 | 60   | 60   | IA38-1-INF24          | 246,40       | IA38-2-INF24          | 93,80       |
| 4 | NPTF 1 1/2" -11 1/2 |         |         |      |       |             |      |      |      |                       |              |                       |             |

### Series IA-51 • BG 14 • Nominal Size 51

|     | Port A           | Dime    | ension | s      |       |             |      |      |      | Female Body            | Weight       | Female Body mit Dust Plug | Weight                    |
|-----|------------------|---------|--------|--------|-------|-------------|------|------|------|------------------------|--------------|---------------------------|---------------------------|
|     |                  | (mm/in) |        |        |       |             |      |      |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers          | ( <sup>kq</sup> /lbs) Ca. |
|     |                  | ØE      | ØF     | L1     | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes     | per 100                   |
|     | Female Thread ac | cording | to DIN | N 3852 | - ANS | SI B 1.20.3 |      |      |      |                        |              |                           |                           |
|     | 0.00             | 99      | 65,1   | 169    | 108   | 24          | 60   | 75   | 75   | IA51-1-IGF32           | 500          | IA51-2-IGF32              | 180,40                    |
| -Pi | G 2°             | 3.89    | 2.56   | 6.65   | 4.25  | .94         | 2.36 | 2.95 | 2.95 | QRC-IA-51-F-G32-BT-W3  | 1102.31      | QRC-IA-51-M-G32-B-W3      | 397.71                    |
| 111 | NPTF 2" -11 1/2  | 99      | 65,1   | 169    | 108   |             | 60   | 75   | 75   | IA51-1-INF32           | 501          | IA51-2-INF32              | 182                       |
| 772 | NP1F 2 -11 1/2   | 3.89    | 2.56   | 6.65   | 4.25  |             | 2.36 | 2.95 | 2.95 | QRC-IA-51-F-NF32-BT-W3 | 1104.52      | QRC-IA-51-M-NF32-B-W3     | 401.24                    |

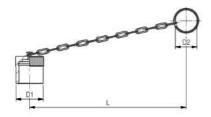
# Series IA • Dust Protection

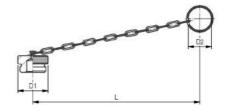




| Dimer<br>(mm/in) |      |       | Material                | Dust Cap for Male Tip Old Part Numbers |
|------------------|------|-------|-------------------------|--|
| D1               | D2   | L     |                         | STAUFF Ordering Codes                  |
| 11               | 6    | 110   | DI 10 10 1 D 4          | IA06-0-RT001                           |
| .43              | .24  | 4.33  | Plastic (Colour: Red)   | QRC-IA-06-DM-6-KI-RD                   |
| 24               | 22   | 220   | Diservis (Osteros Dest) | IA10-0-RT001                           |
| .93              | .87  | 8.66  | Plastic (Colour: Red)   | QRC-IA-10-DM-22-KI-RD                  |
| 29               | 26   | 250   | DI                      | IA12-0-RT001                           |
| 1.14             | 1.02 | 9.84  | Plastic (Colour: Red)   | QRC-IA-12-DM-26-KI-RD                  |
| 36,5             | 36   | 270   | Disable (Oslava Dark    | IA19-0-RT001                           |
| 1.44             | 1.42 | 10.63 | Plastic (Colour: Red)   | QRC-IA-19-DM-36-KI-RD                  |
| 36               | 28   | 235   | Disable (Outros Dark    | IA25-0-RT001                           |
| 1.42             | 1.10 | 9.25  | Plastic (Colour: Red)   | QRC-IA-25-DM-28-KI-RD                  |

| Dimer   | Dimensions<br>( <sup>mm</sup> / <sub>in</sub> ) |       | Material              | Dust Plug for Female Body |
|---------|---|-------|-----------------------|---------------------------|
| (mm/in) |   |       |                       | Old Part Numbers          |
| D1      | D2  | L     |                       | STAUFF Ordering Codes     |
| 10      | 6   | 110   | DI - N - (D - 1 D - 4 | IA06-9-RT001              |
| .39     | .24   | 4.33  | Plastic (Colour: Red) | QRC-IA-06-DF-6-KI-RD      |
| 28      | 22  | 220   | Diselle (Colour Ded)  | IA10-9-RT001              |
| 1.10    | .87   | 8.66  | Plastic (Colour: Red) | QRC-IA-10-DF-22-KI-RD     |
| 35      | 26  | 250   | Disable (Outers Deal) | IA12-9-RT001              |
| 1.38    | 1.02  | 9.84  | Plastic (Colour: Red) | QRC-IA-12-DF-26-KI-RD     |
| 42      | 36  | 270   | DI1-10-1 D1           | IA19-9-RT001              |
| 1.65    | 1.42  | 10.63 | Plastic (Colour: Red) | QRC-IA-19-DF-36-KI-RD     |
| 41      | 28  | 235   | Disable (Outros Deal) | IA25-9-RT001              |
| 1.61    | 1.10  | 9.25  | Plastic (Colour: Red) | QRC-IA-25-DF-28-KI-RD     |





| Dimer | nsions |       | Material                             | Dust Cap for Male Tip Old Part Numbers |
|-------|--------|-------|--------------------------------------|--|
| D1    | D2     | L     |                                      | STAUFF Ordering Codes                  |
| 19    | 30     | 180   | A local along with the la            | IA06-0-SI001                           |
| .75   | 1.18   | 7.09  | Aluminium with chain                 | QRC-IA-06-DM-30/CN-W89-SI              |
| 30    | 33     | 200   | A formation to take the beauty       | IA10-0-SI001                           |
| 1.18  | 1.30   | 7.87  | Aluminium with chain                 | QRC-IA-10-DM-33/CN-W89-SI              |
| 38    | 32     | 205   | Aluminium with chain                 | IA12-0-SI001                           |
| 1.50  | 1.26   | 8.07  | Aluminium with chain                 | QRC-IA-12-DM-32/CN-W89-SI              |
| 45    | 47     | 275   | At autotopic country of the          | IA19-0-SI001                           |
| 1.77  | 1.85   | 10.83 | Aluminium with chain                 | QRC-IA-19-DM-47/CN-W89-SI              |
| 45    | 41     | 290   | A location of the sector             | IA25-0-SI001                           |
| 1.77  | 1.61   | 11.42 | Aluminium with chain                 | QRC-IA-25-DM-41/CN-W89-SI              |
| 70    | 47     | 275   | A transfer transportation and a feet | IA31-0-SI001                           |
| 2.76  | 1.85   | 10.83 | Aluminium with chain                 | QRC-IA-31-DM-47/CN-W89-SI              |

| Dimer<br>(mm/in) | nsions |       | Material                             | Dust Plug for Female Body<br>Old Part Numbers |
|------------------|--------|-------|--------------------------------------|---|
| D1               | D2     | L     |                                      | STAUFF Ordering Codes                         |
| 19               | 30     | 160   | At majority and so data wheels       | IA06-9-SI001                                  |
| .75              | 1.18   | 6.30  | Aluminium with chain                 | QRC-IA-06-DF-30/CN-W89-SI                     |
| 30               | 33     | 200   | Aluminium with chain                 | IA10-9-SI001                                  |
| 1.18             | 1.30   | 7.87  | Aluminium with chain                 | QRC-IA-10-DF-33/CN-W89-SI                     |
| 38               | 32     | 205   | Aluminium with chain                 | IA12-9-SI001                                  |
| 1,50             | 1.26   | 8.07  | Aluminium with cham                  | QRC-IA-12-DF-32/CN-W89-SI                     |
| 45               | 47     | 275   | Aluminium with chain                 | IA19-9-SI001                                  |
| 1.77             | 1.85   | 10.83 | Aluminium with chain                 | QRC-IA-19-DF-47/CN-W89-SI                     |
| 43               | 41     | 240   | Aluminium with chain                 | IA25-9-SI001                                  |
| 1.69             | 1.61   | 9.45  | Aluminium with chain                 | QRC-IA-25-DF-41/CN-W89-SI                     |
| 70               | 47     | 275   | Alternative traditional and a second | IA31-9-SI001                                  |
| 2.76             | 1.85   | 10.83 | Aluminium with chain                 | QRC-IA-31-DF-47/CN-W89-SI                     |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series IA • Stainless Steel

| Series IA • Overview                     | 64 | Series IA-38 = BG 12 = Nominal Size 38 | 66 |
|--|----|--|----|
| Series IA-06 • BG 1 • Nominal Size 6,3   | 65 | Series IA-51 • BG 14 • Nominal Size 51 | 66 |
| Series IA-10 • BG 2 • Nominal Size 10    | 65 | Series IA • Dust Protection            | 67 |
| Series IA-12 = BG 3 = Nominal Size 12,5  | 65 |  |    |
| Series IA-19 • BG 6 • Nominal Size 19    | 65 |  |    |
| Series IA-25 • BG 8 • Nominal Size 25    | 66 |  |    |
| Series IA-31 - BG 10 - Nominal Size 31,5 | 66 |  |    |



| Material                  | Stainless Steel V4A (AISI 316)                            |  |
|---------------------------|---|--|
| Surface Finishing         |   |  |
| Standard Seal Material(s) | FKM (Viton®) 2  |  |
| Working Temperature       | -25° C +200° C / -13° F +392° F                           |  |
| Valve Design              | Poppet Valve  |  |
| Connection                | Push and actuate Push Sleeve                              |  |
| Disconnection             | Actuate Push Sleeve                                       |  |
| Connect Under Pressure    | not allowed   |  |
| Application               | Agricultural and Forestry Machinery, Industrial Hydraulic |  |
| ISO Interchange           | ISO 7241-1, Series A                                      |  |

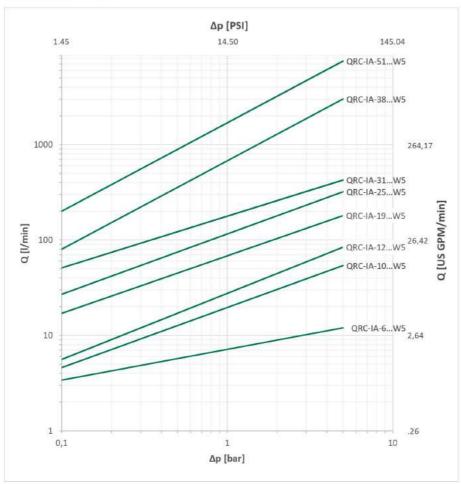


#### **Technical Data**

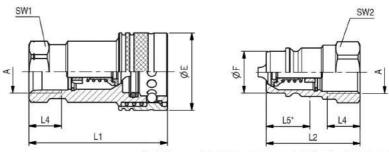
| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | M    | lale Tip | Spillage | 1      |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| IA-06  | 1  | 1/4"       | 6,3          | 17    | 4.49   | 450    | 6527       | 2900 | 42061                 | 2900 | 42061     | 3200 | 46412    | 0,5      | .0169  |
| IA-10  | 2  | 3/8"       | 10           | 46    | 12.15  | 300    | 4351       | 1300 | 18855                 | 1250 | 18130     | 1250 | 18130    | 1,9      | .0642  |
| IA-12  | 3  | 1/2"       | 12,5         | 90    | 23.77  | 300    | 4351       | 1350 | 19580                 | 1200 | 17404     | 1200 | 17404    | 2,7      | .0913  |
| IA-19  | 6  | 3/4"       | 19 (20)      | 190   | 50.19  | 250    | 3626       | 1100 | 15954                 | 1000 | 14504     | 800  | 11603    | 9,3      | .3145  |
| IA-25  | 8  | 1"         | 25           | 280   | 73.97  | 200    | 2901       | 850  | 12328                 | 650  | 9427      | 600  | 8702     | 19,0     | .6425  |
| IA-31  | 10 | 1 1/4"     | 31           | 480   | 126.80 | 100    | 1450       | 400  | 5801                  | 400  | 5801      | 400  | 5801     | 30,0     | 1.0144 |
| IA-38  | 12 | 1 1/2"     | 38           | 700   | 184.92 | 80     | 1160       | 320  | 4641                  | 320  | 4641      | 320  | 4641     | 54,0     | 1.8260 |
| IA-51  | 14 | 2"         | 51           | 1000  | 264.17 | 60     | 870        | 250  | 3626                  | 250  | 3626      | 250  | 3626     | 120,0    | 4.0577 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.

\* Insertion Male Tip.

# Series IA-06 • BG 1 • Nominal Size 6,3

|      | Port A        | Dime    | ension | s       |       |            |       |     |      | Female Body           | Weight       | Male Tip              | Weight       |
|------|---------------|---------|--------|---------|-------|------------|-------|-----|------|-----------------------|--------------|-----------------------|--------------|
|      |               | (mm/in) |        |         |       |            |       |     |      | Old Part Numbers      | (ku/lbs) ca. | Old Part Numbers      | (kg/ibs) Ca. |
|      |               | ØE      | ØF     | L1      | L2    | L4 min     | L5    | SW1 | SW2  | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100      |
|      | Female Thread | accor   | ding t | o DIN 3 | 852 - | ANSI B. 1. | 20.3  |     |      |                       |              |                       |              |
|      | G 1/4"        | 26      | 11,8   | 5 50,5  | 35,5  | 12         | 14,5  | 19  | 19   | IA06-1-IGF04-VA       | 11,90        | IA06-2-IGF04-VA       | 3,80         |
| 1161 | G 1/4         | 1.02    | .47    | 1.99    | 1.40  | .47        | .57   | .75 | .75  | QRC-IA-06-F-G04-VT-W5 | 26.24        | QRC-IA-06-M-G04-V-W5  | 8.38         |
| 111  |               |         |        |         |       |            | 27772 | 100 | 1225 |                       |              |                       |              |
|      | NPTF 1/4" -18 | 26      | 11,8   | 5 50,5  | 35,5  |            | 14,5  | 19  | 19   | IA06-1-INF04-VA       | 12           | IA06-2-INF04-VA       | 3,90         |

### Series IA-10 • BG 2 • Nominal Size 10

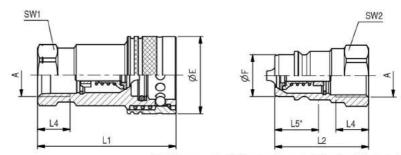
|      | Port A        |          | nsion   | S     |        |            |      |     |     | Female Body            | Weight       | Male Tip              | Weight     |
|------|---------------|----------|---------|-------|--------|------------|------|-----|-----|------------------------|--------------|-----------------------|------------|
|      |               | (mes/in) |         |       |        |            |      |     |     | Old Part Numbers       | (kp/ins) ca. | Old Part Numbers      | (*9/ms) C8 |
|      |               | ØE       | ØF      | L1    | L2     | L4 min     | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100    |
|      | Female Thread | accor    | ding to | DIN 3 | 3852 - | ANSI B. 1. | 20.3 |     |     |                        |              |                       |            |
|      | G 3/8"        | 30       | 17,3    | 58,5  | 40,5   | 12         | 17   | 22  | 22  | IA10-1-IGF06-VA        | 15,70        | IA10-2-IGF06-VA       | 5,90       |
| 7    | 0 3/0         | 1.18     | .68     | 2.30  | 1.59   | .47        | .62  | .87 | .87 | QRC-IA-10-F-G06-VT-W5  | 34.61        | QRC-IA-10-M-G06-V-W5  | 13.01      |
| DI 🔠 | NPTF 3/8" -18 | 30       | 17,3    | 58,5  | 40,5   |            | 17   | 22  | 22  | IA10-1-INF06-VA        | 15,80        | IA10-2-INF06-VA       | 6          |
|      | NF 1F 3/0 -10 | 1.18     | .68     | 2.30  | 1.59   |            | .62  | .87 | .87 | QRC-IA-10-F-NF06-VT-W5 | 34.83        | QRC-IA-10-M-NF06-V-W5 | 13.23      |

# Series IA-12 • BG 3 • Nominal Size 12,5

|   | Port A                  | Dime    | nsions       | i.    |       |             |             |             |      | Female Body                              | Weight         | Male Tip                                | Weight        |
|---|-------------------------|---------|--------------|-------|-------|-------------|-------------|-------------|------|--|----------------|---|---------------|
|   |                         | (mm/in) |              |       |       |             |             |             |      | Old Part Numbers                         | (kg/tbs) Ca.   | Old Part Numbers                        | (kq/lbs) Ca   |
|   |                         | ØE      | ØF           | L1    | L2    | L4 min      | L5          | SW1         | SW2  | STAUFF Ordering Codes                    | per 100        | STAUFF Ordering Codes                   | per 100       |
|   | Female Thread           | accor   | ding to      | DIN 3 | 852 - | ANSI B. 1.2 | 20.3        |             |      |  |                |   |               |
|   | 2002                    | 37,9    | 20,55        | 68    | 46    | 14          | 21,5        | 27          | 27   | IA12-1-IGF08-VA                          | 29,50          | IA12-2-IGF08-VA                         | 9,70          |
|   |                         |         |              |       |       |             | 1722        | 1 1 1 1 1 1 |      |  |                |   |               |
| P | G 1/2"                  | 1.49    | .81          | 2.68  | 1.81  | .55         | .85         | 1.06        | 1.06 | QRC-IA-12-F-G08-VT-W5                    | 65.04          | QRC-IA-12-M-G08-V-W5                    | 21.38         |
|   | G 1/2"<br>NPTF 1/2" -14 | 7.5.5.5 | .81<br>20,55 |       | 1.81  | .55         | .85<br>21,5 | 1.06        | 1.06 | QRC-IA-12-F-G08-VT-W5<br>IA12-1-INF08-VA | 65.04<br>29,70 | QRC-IA-12-M-G08-V-W5<br>IA12-2-INF08-VA | 21.38<br>9,90 |

# Series IA-19 \* BG 6 \* Nominal Size 19

|      | Port A        | 1000000 | nsion   | s     |        |             |      |      |      | Female Body Old Part Numbers | Weight (*g/tbs) ca. | Male Tip Old Part Numbers | Weight<br>(kg/lbs) Ca |
|------|---------------|---------|---------|-------|--------|-------------|------|------|------|------------------------------|---------------------|---------------------------|-----------------------|
|      |               | ØE      | ØF      | L1    | L2     | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes        | per 100             | STAUFF Ordering Codes     | per 100               |
|      | Female Thread | accor   | ding to | DIN 3 | 8852 - | ANSI B. 1.: | 20.3 |      |      |                              |                     |                           |                       |
| 1000 | G 3/4"        | 45      | 29,1    | 84,3  | 57     | 16          | 20,8 | 34   | 34   | IA19-1-IGF12-VA              | 51                  | IA19-2-IGF12-VA           | 16,50                 |
|      | G 3/4         | 1.77    | 1.14    | 84    | 2.24   | .63         | .82  | 1.34 | 1.34 | QRC-IA-19-F-G12-VT-W5        | 112.44              | QRC-IA-19-M-G12-V-W5      | 36.38                 |
| - M  | NOTE OVAL 4.4 | 45      | 29,1    | 84,3  | 57     |             | 20,8 | 34   | 34   | IA19-1-INF12-VA              | 51,30               | IA19-2-INF12-VA           | 16,80                 |
| 1    | NPTF 3/4" -14 | 1.77    | 1.14    | 3.32  | 2.24   |             | .82  | 1.34 | 1.34 | QRC-IA-19-F-NF12-VT-W5       | 113.10              | QRC-IA-19-M-NF12-V-W5     | 37.04                 |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IA-12.

\* Insertion Male Tip.

# Series IA-25 • BG 8 • Nominal Size 25

|    | Port A           | Dime<br>(mm/in) | nsion | S      |       |              |      |      |      | Female Body<br>Old Part Numbers | Weight (Ng/Nbs) ca. | Male Tip<br>Old Part Numbers | Weight (Kg/Iba) ca |
|----|------------------|-----------------|-------|--------|-------|--------------|------|------|------|---------------------------------|---------------------|------------------------------|--------------------|
|    |                  | ØE              | ØF    | L1     | L2    | L4 min       | L5   | SW1  | SW2  | STAUFF Ordering Codes           | per 100             | STAUFF Ordering Codes        | per 100            |
|    | Female Thread ac | cording         | to DI | N 3852 | - ANS | SI B. 1.20.3 |      |      |      |                                 |                     |                              |                    |
|    | G 1"             | 52              | 34,3  | 5 97   | 63,5  | 18           | 33,5 | 41   | 41   | IA25-1-IGF16-VA                 | 63,60               | IA25-2-IGF16-VA              | 28,50              |
| 1  | u i              | 2.06            | 1.35  | 3.82   | 2.50  | .71          | 1.32 | 1.61 | 1.61 | QRC-IA-25-F-G16-VT-W5           | 140.21              | QRC-IA-25-M-G16-V-W5         | 62.83              |
| -1 | NPTF 1" -11 1/2  | 52              | 34,3  | 5 97   | 63,5  |              | 33,5 | 41   | 41   | IA25-1-INF16-VA                 | 64,30               | IA25-2-INF16-VA              | 29,20              |
|    | NP1F 1 -11 1/2   | 0.00            | 1 25  | 202    | 2.50  |              | 1.32 | 1.61 | 1.61 | ORC-IA-25-F-NF16-VT-W5          | 141.76              | QRC-IA-25-M-NF16-V-W5        | 64.37              |

# Series IA-31 - BG 10 - Nominal Size 31,5

| Port A              | Dime   | nsions |      |       |             |      |      |      | Female Body           | Weight       | Male Tip              | Weight      |
|---------------------|--------|--------|------|-------|-------------|------|------|------|-----------------------|--------------|-----------------------|-------------|
|                     | (mm/m) |        |      |       |             |      |      |      | Old Part Numbers      | (kg/lbs) ca. | Old Part Numbers      | (*pnps) Ca. |
|                     | ØE     | ØF     | L1   | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100     |
| Female Thread acco  | ording | to DIN | 3852 | - ANS | I B. 1.20.3 |      |      |      |                       |              |                       |             |
| G 1 1/4"            | 70     | 45     | 115  | 69    | 20          | 34   | 50   | 50   | IA31-1-IGF20-VA       | 147          | IA31-2-IGF20-VA       | 48          |
| G 1 1/4             | 2.75   | 1.77   | 4.53 | 2.72  | .79         | 1.34 | 1.97 | 1.97 | QRC-IA-31-F-G20-VT-W5 | 324.08       | QRC-IA-31-M-G20-V-W5  | 105.82      |
|                     |        |        |      |       |             |      |      |      |                       |              |                       |             |
| NPTF 1 1/4" -11 1/2 | 70     | 45     | 115  | 69    |             | 34   | 50   | 50   | IA31-1-INF20-VA       | 148,50       | IA31-2-INF20-VA       | 49,50       |

### Series IA-38 • BG 12 • Nominal Size 38

|       | Port A                | Dime    | nsions | 3    |       |              |      |      |      | Female Body            | Weight       | Male Tip              | Weight                   |
|-------|-----------------------|---------|--------|------|-------|--------------|------|------|------|------------------------|--------------|-----------------------|--------------------------|
|       |                       | (mm/in) |        |      |       |              |      |      |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers      | ( <sup>kq</sup> /lbs) ca |
|       |                       | ØE      | ØF     | L1   | L2    | L4 min       | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100                  |
|       | Female Thread acco    | ording  | to DIN | 3852 | - ANS | SI B. 1.20.3 |      |      |      |                        |              |                       |                          |
|       | 0.4.4.001             | 80      | 55     | 123  | 73    | 22           | 50   | 60   | 60   | IA38-1-IGF24-VA        | 198          | IA38-2-IGF24-VA       | 73,80                    |
| P     | G 1 1/2"              | 3.17    | 2.16   | 4.84 | 2.87  | .87          | 1.97 | 2.36 | 2.36 | QRC-IA-38-F-G24-VT-W5  | 436.52       | QRC-IA-38-M-G24-V-W5  | 162.70                   |
| 1H. ~ | NEXT 4 4 (OIL 44 4 (O | 80      | 55     | 123  | 73    |              | 50   | 60   | 60   | IA38-1-INF24-VA        | 202          | IA38-2-INF24-VA       | 87                       |
|       | NPTF 1 1/2" -11 1/2   | 3.17    | 2.16   | 4.84 | 2.87  |              | 1.97 | 2.36 | 2.36 | QRC-IA-38-F-NF24-VT-W5 | 445.33       | QRC-IA-38-M-NF24-V-W5 | 191.80                   |

# Series IA-51 • BG 14 • Nominal Size 51

|   | Port A           | Dime    | ension | S    |       |              |      |      |      | Female Body            | Weight       | Male Tip                                  | Weight                  |
|---|------------------|---------|--------|------|-------|--------------|------|------|------|------------------------|--------------|---|-------------------------|
|   |                  | (mm/in  | )      |      |       |              |      |      |      | Old Part Numbers       | (kg/ibs) ca. | Old Part Numbers<br>STAUFF Ordering Codes | (*f/ibs) ca.<br>per 100 |
|   |                  | ØE      | ØF     | L1   | L2    | L4 min       | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      |   |                         |
|   | Female Thread ac | cording | to DIN | 3852 | - ANS | SI B. 1.20.3 |      |      |      |                        |              |   |                         |
|   |                  | 102     | 65,1   | 147  | 90    | 24           | 57   | 70   | 70   | IA51-1-IGF32-VA        | 349          | IA51-2-IGF32-VA                           | 116,80                  |
| 7 | G 2"             | 4.01    | 2.56   | 5.79 | 3.54  | .94          | 2.24 | 2.75 | 2.75 | QRC-IA-51-F-G32-VT-W5  | 769.41       | QRC-IA-51-M-G32-V-W5                      | 257.50                  |
| 1 | NPTF 2" -11 1/2  | 102     | 65,1   | 147  | 90    |              | 57   | 70   | 70   | IA51-1-INF32-VA        | 350          | IA51-2-INF32-VA                           | 117,80                  |
| , | NP1F 2 -11 1/2   | 4.01    | 2.56   | 5.79 | 3.54  |              | 2.24 | 2.75 | 2.75 | ORC-IA-51-F-NF32-VT-W5 | 771.62       | ORC-IA-51-M-NF32-V-W5                     | 259.70                  |

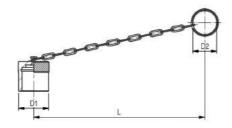
# Series IA - Dust Protection

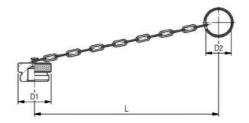




| Dimer | nsions |       | Material              | Dust Cap for Male Tip Old Part Numbers |
|-------|--------|-------|-----------------------|--|
| D1    | D2     | L     |                       | STAUFF Ordering Codes                  |
| 11    | 6      | 110   |                       | IA06-0-RT001                           |
| .43   | .24    | 4.33  | Plastic (Colour: Red) | QRC-IA-06-DM-6-KI-RD                   |
| 24    | 22     | 220   |                       | IA10-0-RT001                           |
| .93   | .87    | 8.66  | Plastic (Colour: Red) | QRC-IA-10-DM-22-KI-RD                  |
| 29    | 26     | 250   | D # (0.1 D A          | IA12-0-RT001                           |
| 1.14  | 1.02   | 9.84  | Plastic (Colour: Red) | QRC-IA-12-DM-26-KI-RD                  |
| 36,5  | 36     | 270   | DIE- (D-I DI)         | IA19-0-RT001                           |
| 1.44  | 1.42   | 10.63 | Plastic (Colour: Red) | QRC-IA-19-DM-36-KI-RD                  |
| 36    | 28     | 235   | D. # 70.1 D. #        | IA25-0-RT001                           |
| 1.42  | 1.10   | 9.25  | Plastic (Colour; Red) | QRC-IA-25-DM-28-KI-RD                  |

| Dimer<br>(mm/m) | nsions |       | Material                 | Old Part Numbers      |
|-----------------|--------|-------|--------------------------|-----------------------|
| D1              | D2     | L     |                          | STAUFF Ordering Codes |
| 10              | 6      | 110   | Direction (Colours Deed) | IA06-9-RT001          |
| .39             | .24    | 4.33  | Plastic (Colour: Red)    | QRC-IA-06-DF-6-KI-RD  |
| 28              | 22     | 220   | Plastic (Colour: Red)    | IA10-9-RT001          |
| 1.10            | .87    | 8.66  | Plastic (Colour: Red)    | QRC-IA-10-DF-22-KI-RD |
| 35              | 26     | 250   | Disable (Oslava Davi)    | IA12-9-RT001          |
| 1.38            | 1.02   | 9.84  | Plastic (Colour; Red)    | QRC-IA-12-DF-26-KI-RD |
| 42              | 36     | 270   | Disable (Calause Dash)   | IA19-9-RT001          |
| 1.65            | 1.42   | 10.63 | Plastic (Colour: Red)    | QRC-IA-19-DF-36-KI-RD |
| 41              | 28     | 235   | Disable (Oalesse Dash    | IA25-9-RT001          |
| 1.61            | 1.10   | 9.25  | Plastic (Colour: Red)    | QRC-IA-25-DF-28-KI-RD |





|         | nsions |       | Material   | Dust Cap for Male Tip     |
|---------|--------|-------|--|---------------------------|
| (nm/in) |        |       |  | Old Part Numbers          |
| D1      | D2     | L     |  | STAUFF Ordering Codes     |
| 19      | 30     | 180   | Aluminium with chain   | IA06-0-SI001              |
| .75     | 1.18   | 7.09  | Aluminium with chain   | QRC-IA-06-DM-30/CN-W89-SI |
| 30      | 33     | 200   | Aluminium with chain   | IA10-0-SI001              |
| 1.18    | 1.30   | 7.87  | Aluminium with chain   | QRC-IA-10-DM-33/CN-W89-SI |
| 38      | 32     | 205   | A home ledges a videly asked in  | IA12-0-SI001              |
| 1.50    | 1.26   | 8.07  | Aluminium with chain   | QRC-IA-12-DM-32/CN-W89-SI |
| 45      | 47     | 275   | A COLUMN TO SERVICE OF THE SERVICE O | IA19-0-SI001              |
| 1.77    | 1.85   | 10.83 | Aluminium with chain   | QRC-IA-19-DM-47/CN-W89-SI |
| 45      | 41     | 290   | Alternative college at a leasure   | IA25-0-SI001              |
| 1.77    | 1.61   | 11.42 | Aluminium with chain   | QRC-IA-25-DM-41/CN-W89-SI |
| 70      | 47     | 275   | At an interest on the state of   | IA31-0-SI001              |
| 2.76    | 1.85   | 10.83 | Aluminium with chain   | QRC-IA-31-DM-47/CN-W89-SI |

| Dimer<br>(mm/in) | nsions |       | Material                         | Old Part Numbers          |
|------------------|--------|-------|----------------------------------|---------------------------|
| D1               | D2     | L     |                                  | STAUFF Ordering Codes     |
| 19               | 30     | 160   | Aluminium with chain             | IA06-9-SI001              |
| .75              | 1.18   | 6.30  | Aluminium with chain             | QRC-IA-06-DF-30/CN-W89-SI |
| 30               | 33     | 200   | Aluminium with chain             | IA10-9-SI001              |
| 1.18             | 1.30   | 7.87  | Aluminium with chain             | QRC-IA-10-DF-33/CN-W89-SI |
| 38               | 32     | 205   | Attendadore solido electo        | IA12-9-SI001              |
| 1.50             | 1.26   | 8.07  | Aluminium with chain             | QRC-IA-12-DF-32/CN-W89-SI |
| 45               | 47     | 275   | ACTUAL CONTRACTOR                | IA19-9-SI001              |
| 1,77             | 1.85   | 10.83 | Aluminium with chain             | QRC-IA-19-DF-47/CN-W89-SI |
| 43               | 41     | 240   | A boundary one sudable advantage | IA25-9-SI001              |
| 1.69             | 1.61   | 9.45  | Aluminium with chain             | QRC-IA-25-DF-41/CN-W89-SI |
| 70               | 47     | 275   | All residence in the lateral to  | IA31-9-SI001              |
| 2.76             | 1.85   | 10.83 | Aluminium with chain             | QRC-IA-31-DF-47/CN-W89-SI |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series IB • Carbon Steel

| Series IB • Overview                    | 70 | Series IB-38 = BG 12 = Nominal Size 38 | 72 |
|---|----|--|----|
| Series IB-03 • BG 0 • Nominal Size 3,2  | 71 | Series IB-51 • BG 14 • Nominal Size 51 | 72 |
| Series IB-06 • BG 1 • Nominal Size 6,3  | 71 | Series IB • Dust Protection            | 73 |
| Series IB-10 • BG 2 • Nominal Size 10   | 71 |  |    |
| Series IB-12 • BG 3 • Nominal Size 12,5 | 71 |  |    |
| Series IB-19 • BG 6 • Nominal Size 19   | 72 |  |    |
| Series IB-25 • BG 8 • Nominal Size 25   | 72 |  |    |



### Series IB . Carbon Steel

| Material                  | Carbon Steel                    |  |
|---------------------------|---------------------------------|--|
| Surface Finishing         | Zinc-Nickel                     |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2                 |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F |  |
| Valve Design              | Poppet Valve                    |  |
| Connection                | Push and actuate Push Sleeve    |  |
| Disconnection             | Actuate Push Sleeve             |  |
| Connect Under Pressure    | not allowed                     |  |
| Application               | Industrial Hydraulic            |  |
| ISO Interchange           | ISO 7241-1, Series B            |  |

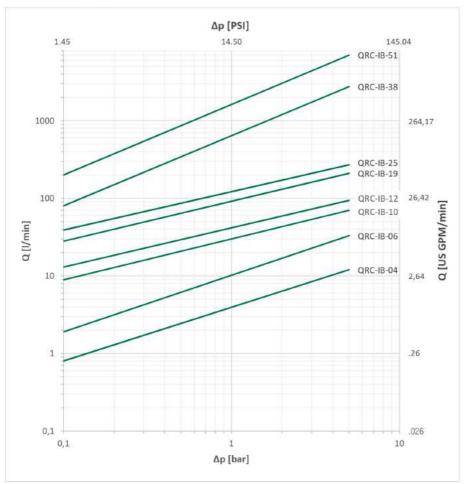


# **Technical Data**

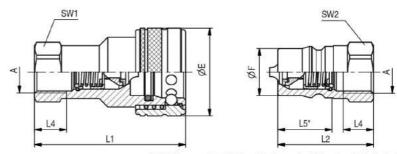
| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | lale Tip | Spillage | 9      |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI         | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| IB-03  | 0  | 1/8"       | 3            | 9     | 2.38   | 500    | 7252        | 2700 | 39160                 | 2300 | 29443     | 2400 | 34809    | 0,5      | .0169  |
| IB-06  | 1  | 1/4"       | 6,3          | 24    | 6.34   | 250    | 3626        | 1000 | 14504                 | 1800 | 261067    | 1100 | 15954    | 1        | .0338  |
| IB-10  | 2  | 3/8"       | 10           | 46    | 12.15  | 250    | 3626        | 1300 | 18855                 | 1400 | 20305     | 1400 | 20305    | 2,4      | .0812  |
| IB-12  | 3  | 1/2"       | 12,5         | 90    | 23.77  | 250    | 3626        | 1100 | 15954                 | 1400 | 20305     | 1100 | 15954    | 3,9      | .1319  |
| IB-19  | 6  | 3/4"       | 19 (20)      | 220   | 58.12  | 250    | 3626        | 1200 | 17404                 | 1300 | 18855     | 1000 | 14504    | 11,0     | .3720  |
| IB-25  | 8  | 1"         | 25           | 260   | 68.68  | 250    | 3626        | 1000 | 14504                 | 1100 | 15954     | 1000 | 14504    | 19,0     | .6425  |
| IB-38  | 12 | 1 1/2"     | 38           | 757   | 199.98 | 200    | 2901        | 800  | 11603                 | 800  | 11603     | 800  | 11603    | 95,0     | 3.2123 |
| IB-51  | 14 | 2"         | 51           | 1000  | 264.17 | 100    | 1450        | 400  | 5801                  | 400  | 5801      | 400  | 5801     | 170,0    | 5.7484 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.

\* Insertion Male Tip.

# Series IB-03 • BG 0 • Nominal Size 3,2

|   | Port A          | Dimensions |         |         |        |    |      | Female Body | Weight                  | Male Tip               | Weight                |                       |             |
|---|-----------------|------------|---------|---------|--------|----|------|-------------|-------------------------|------------------------|-----------------------|-----------------------|-------------|
|   |                 | (mm/ir     | 1)      |         |        |    |      |             |                         | Old Part Numbers       | (kg/hho) Ca.          | Old Part Numbers      | (kq/bo) Ca. |
|   |                 | ØE         | ØF L1   | L2      | L4 min | L5 | SW1  | SW2         | 2 STAUFF Ordering Codes | per 100                | STAUFF Ordering Codes | per 100               |             |
|   | Female Thread a | ccording   | g to AN | ISI B 1 | .20.3  |    |      |             |                         |                        |                       |                       |             |
|   | NPTF 1/8" -27   | 23         | 10,9    | 50,6    | 32     |    | 18,5 | 17          | 14                      | IB04-1-INF02           | 8,90                  | IB04-2-INF02          | 2           |
| 7 | NP1F 1/8 -2/    | .90        | .43     | 1.99    | 1.26   |    | .73  | .67         | .55                     | QRC-IB-03-F-NF02-BT-W3 | 19.62                 | QRC-IB-03-M-NF02-B-W3 | 4.41        |

# Series IB-06 - BG 1 - Nominal Size 6,3

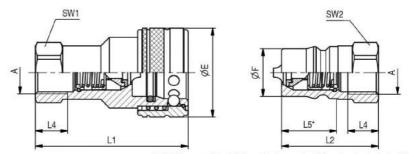
|   | Port A          | Dime<br>(****/in | ension: | S      |       | Female Body Weight Male Tip Old Part Numbers (19 nos) ca. Old Part Numbers |      |     |     |                         |         |                       | Weight<br>(*9/tos) C8 |
|---|-----------------|------------------|---------|--------|-------|--|------|-----|-----|-------------------------|---------|-----------------------|-----------------------|
|   |                 | ØE               | ØF      | L1     | L2    | L4 min   | L5   | SW1 | SW2 | 2 STAUFF Ordering Codes | per 100 | STAUFF Ordering Codes | per 100               |
|   | Female Thread a | ccording         | to DIN  | N 3852 | - ANS | B.1.20.3   |      |     |     |                         |         |                       |                       |
|   | C 4/48          | 28               | 14,2    | 60     | 38    | 12   | 21,5 | 19  | 19  | IB06-1-IGF04            | 12,30   | IB06-2-IGF04          | 3,90                  |
| 7 | G 1/4"          | 1.1              | .56     | 2.36   | 1.50  | .47  | .85  | .75 | .75 | QRC-IB-06-F-G04-BT-W3   | 27.12   | QRC-IB-06-M-G04-B-W3  | 8.60                  |
|   | 0 1/4           | 28               | 14,2    | 60     | 38    |  | 21,5 | 19  | 19  | IB06-1-INF04            | 12,40   | IB06-2-INF04          | 4                     |
| 4 | NPTF 1/4" -18   |                  |         |        |       |  |      | .75 |     | ORC-IB-06-F-NF04-BT-W3  | 27.34   |                       | 8.82                  |

### Series IB-10 - BG 2 - Nominal Size 10

|     | Port A            | Dime<br>(***/in) | nsion | s      |       |             |      |     |                       | Female Body Old Part Numbers | Weight               | Male Tip Old Part Numbers | Weight<br>( <sup>kg</sup> / <sub>bo</sub> ) ca.<br>per 100 |
|-----|-------------------|------------------|-------|--------|-------|-------------|------|-----|-----------------------|------------------------------|----------------------|---------------------------|--|
|     |                   | ØE               | ØF    | L1     | L2    | L4 min      | L5   | SW1 | SW2                   | STAUFF Ordering Codes        | per 100              | STAUFF Ordering Codes     |  |
|     | Female Thread a   | ccording         | to DI | N 3852 | - ANS | SI B.1.20.3 |      |     |                       |                              |                      |                           |  |
|     | 0.000             | 35               | 19    | 60,5   | 42,5  | 12          | 24,2 | 22  | 22                    | IB10-1-IGF06                 | 19,40                | IB10-2-IGF06              | 6,10   |
| P   | G 3/8" 35<br>1.38 | .75              | 2.38  | 1.67   | .47   | .95         | .87  | .87 | QRC-IB-10-F-G06-BT-W3 | 42.77                        | QRC-IB-10-M-G06-B-W3 | 13.45                     |  |
|     |                   | 0.5              | 19    | CO E   | 42.5  |             | 24.2 | 22  | 22                    | IB10-1-INF06                 | 19,60                | IB10-2-INF06              | 6,20   |
| 111 | NPTF 3/8" -18     | 35               | 13    | 00,0   | 450   |             | 242  |     |                       |                              | 10,00                | IDTO E INI OU             | 0,20   |

# Series IB-12 • BG 3 • Nominal Size 12,5

|     | Port A          | Dime<br>(mm/in) | nsions |      |       |             |      |      |      | Female Body Old Part Numbers | Weight (*9/ms) ca. | Male Tip Old Part Numbers | Weight<br>(*9/me) ca.<br>per 100 |
|-----|-----------------|-----------------|--------|------|-------|-------------|------|------|------|------------------------------|--------------------|---------------------------|----------------------------------|
|     |                 | ØE              | ØF     | L1   | L2    | L4 min      | L5   | SW1  | SW2  |                              | per 100            | STAUFF Ordering Codes     |                                  |
|     | Female Thread a | ccording        | to DIN | 3852 | - ANS | SI B.1.20.3 |      |      |      |                              |                    |                           |                                  |
|     | 0.4 (0)         | 44              | 23,55  | 75,7 | 48    | 14          | 27,2 | 27   | 27   | IB12-1-IGF08                 | 34,60              | IB12-2-IGF08              | 11,20                            |
| P   | G 1/2"          | 1.73            | .93    | 2.98 | 1.89  | .55         | .93  | 1.06 | 1.06 | QRC-IB-12-F-G08-BT-W3        | 76.28              | QRC-IB-12-M-G08-B-W3      | 24.69                            |
| 111 | NOTE 4 (OR 4.4  | 44              | 23,55  | 75,7 | 48    |             | 27,2 | 27   | 27   | IB12-1-INF08                 | 34,90              | IB12-2-INF08              | 11,50                            |
| 1   | NPTF 1/2" -14   | 1.73            | 93     | 2.98 | 1.89  |             | .93  | 1.06 | 1.06 | ORC-IB-12-F-NF08-BT-W3       | 76.94              | QRC-IB-12-M-NF08-B-W3     | 25.35                            |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.

\* Insertion Male Tip.

### Series IB-19 \* BG 6 \* Nominal Size 19

|   | Port A                  | Dime     | nsion | s      |       |          |      |      |      | Female Body           | Weight      | Male Tip              | Weight   |
|---|-------------------------|----------|-------|--------|-------|----------|------|------|------|-----------------------|-------------|-----------------------|--|
|   |                         | (mm/in)  |       |        |       |          |      |      |      | Old Part Numbers      | (*0/ms) ca. | Old Part Numbers      | ( <sup>kq</sup> /tbs) Ca.  |
|   |                         | ØE       | ØF    | L1     | L2    | L4 min   | L5   | SW1  | SW2  | STAUFF Ordering Codes | per 100     | STAUFF Ordering Codes | per 100  |
|   | Female Thread a         | ccording | to DI | N 3852 | - ANS | B.1.20.3 |      |      |      |                       |             |                       |  |
|   |                         | 52       | 21 /  | 91.5   | 57    | 16       | 34   | 34   | 34   | IB19-1-IGF12          | 54,80       | IB19-2-IGF12          | 20.20  |
|   | 0.0748                  | 20       | 01,40 | 01,0   |       |          |      |      |      |                       |             | IDIO E IOI IE         | 20,20  |
| 7 | G 3/4"                  |          | 17.7  |        | 2.24  |          | 1.34 | 1.34 | 1.34 | QRC-IB-19-F-G12-BT-W3 | 120.81      | QRC-IB-19-M-G12-B-W3  | 44.53  |
|   | G 3/4"<br>NPTF 3/4" -14 |          | 1.24  |        | 2.24  |          |      | 1.34 | 1.34 |                       |             |                       | The state of the s |

### Series IB-25 • BG 8 • Nominal Size 25

|       | Port A           | Dime    | nsions                 |       |       |          |            |              |      | Female Body            | Weight       | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight                              |
|-------|------------------|---------|------------------------|-------|-------|----------|------------|--------------|------|------------------------|--------------|---|-------------------------------------|
|       |                  | (mm/in) | )                      |       |       |          |            |              |      | Old Part Numbers       | (kg/lbs) ca. |   | ( <sup>kq</sup> /l∞) ca.<br>per 100 |
|       |                  | ØE      | ØF                     | L1    | L2    | L4 min   | L5         | SW1          | SW2  | STAUFF Ordering Codes  | per 100      |   |                                     |
|       | Female Thread ac | cording | to DIN                 | 3852  | - ANS | B.1.20.3 |            |              |      |                        |              |   |                                     |
|       | 0.41             | 60      | 60 37,77 105,8 65,5 18 |       | 18    | 39,3     | 39,3 41 41 | IB25-1-IGF16 | 86   | IB25-2-IGF16           | 35,50        |   |                                     |
| P     | G 1"             | 2.36    | 1.49                   | 4.17  | 2.58  | .71      | 1.55       | 1.61         | 1.61 | QRC-IB-25-F-G16-BT-W3  | 189.60       | QRC-IB-25-M-G16-B-W3                            | 78.26                               |
| JH -1 | NPTF 1" -11 1/2  | 60      | 37,77                  | 105,8 | 65,5  |          | 39,3       | 41           | 41   | IB25-1-INF16           | 87           | IB25-2-INF16                                    | 36,40                               |
|       | NP1E 17 -13 172  | 2.36    | 4.40                   | 4 47  | 2.58  |          | 1.55       | 1.61         | 1.61 | ORC-IB-25-F-NF16-BT-W3 | 191.80       | QRC-IB-25-M-NF16-B-W3                           | 80.25                               |

# Series IB-38 • BG 12 • Nominal Size 38

|   | Port A              | Dime    | nsions | 3      |       |             |      |       |      | Female Body             | ale Body Weight |   | Weight                             |
|---|---------------------|---------|--------|--------|-------|-------------|------|-------|------|-------------------------|-----------------|---|------------------------------------|
|   |                     | (mm/in) | )      |        |       |             |      |       |      | Old Part Numbers        | (Ng/Ibs) ca.    | Old Part Numbers<br>STAUFF Ordering Codes | ( <sup>хо</sup> /ю) са.<br>per 100 |
|   |                     | ØE      | ØF     | L1     | L2    | L4 min      | L5   | SW1   | SW2  | STAUFF Ordering Codes   | per 100         |   |                                    |
|   | Female Thread acco  | ording  | to DIN | 1 3852 | - ANS | SI B.1.20.3 |      |       |      |                         |                 |   |                                    |
|   | 17                  | 79      | 44,49  | 126,5  | 127   | 20          | 52   | 65    | 65   | IB38-1-IGF20            | 200,80          | IB38-2-IGF20                              | 135,50                             |
|   | G 1 1/4"            | 0.40    | 1.75   | 4.00   | 5,00  | 79          | 2.05 | 2.56  | 2.56 | QRC-IB-38-F-G20-BT-W3   | 442.69          | QRC-IB-38-M-G20-B-W3                      | 298.73                             |
| 1 | 7.7.7.1             | 3.12    | 1.73   | 4.50   | 0.00  |             | 6.00 | 20100 | 2,00 | 4110-10-00-1-420-D1-110 | 442.00          | CHO ID OU IN CIZO D WIS                   | 290.73                             |
|   | NPTF 1 1/4" -11 1/2 | 79      | 44,49  |        |       |             | 52   | 65    | 65   | IB38-1-INF20            | 202             | IB38-2-INF20                              | 136,80                             |

### Series IB-51 • BG 14 • Nominal Size 51

|   | Port A           | Dime    | nsion  | S      |       |             | min L5 |      |      | Female Body                              | Weight        | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight      |
|---|------------------|---------|--------|--------|-------|-------------|--------|------|------|--|---------------|---|-------------|
|   |                  | (mm/in) | ):     | L1     |       |             |        |      |      | Old Part Numbers 2 STAUFF Ordering Codes | (lig/ibs) Ca. |   | (kg/lbs) ca |
|   |                  | ØE      | ØF     |        | L2    | L4 min      |        | SW1  | SW2  |  | per 100       |   | per 100     |
|   | Female Thread ac | cording | to DII | N 3852 | - ANS | SI B.1.20.3 |        |      |      |  |               |   |             |
|   | 0.00             | 105     | 63,2   | 142    | 142   | 24          | 63     | 90   | 90   | IB51-1-IGF32                             | 490           | IB51-2-IGF32                                    | 310         |
|   | G 2"             | 4.13    | 2.49   | 5.59   | 5.59  | .94         | 2.48   | 3.54 | 3.54 | QRC-IB-51-F-G32-BT-W3                    | 1080.27       | QRC-IB-51-M-G32-B-W3                            | 683.43      |
| 4 | NPTF 2" -11 1/2  | 105     | 63,2   | 142    | 142   |             | 63     | 90   | 90   | IB51-1-INF32                             | 500           | IB51-2-INF32                                    | 320         |
|   | NP1F 2 -11 1/2   | 413     | 2 49   | 5.59   | 5.59  |             | 2 48   | 3.54 | 3.54 | QRC-IB-51-F-NF32-BT-W3                   | 1102.31       | QRC-IB-51-M-NF32-B-W3                           | 705.48      |

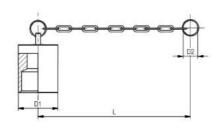
# Series IB • Dust Protection

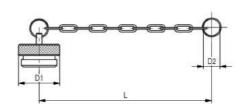




| Dimer | nsions |      | Material               | Dust Cap for Male Tip Old Part Numbers |  |  |  |  |
|-------|--------|------|------------------------|--|--|--|--|--|
| D1    | D2     | L    |                        | STAUFF Ordering Codes                  |  |  |  |  |
| 18    | 23     | 240  | Division Division Bank | IB06-0-RT001                           |  |  |  |  |
| .71   | .91    | 9.45 | Plastic (Colour: Red)  | QRC-IB-06-DM-23-KI-RD                  |  |  |  |  |
| 23    | 24     | 240  | Plastic (Colour: Red)  | IB10-0-RT001                           |  |  |  |  |
| .91   | .94    | 9.45 | Plastic (Colour: Hed)  | QRC-IB-10-DM-24-KI-RD                  |  |  |  |  |
| 29    | 28     | 245  |                        | IB12-0-RT001                           |  |  |  |  |
| 1.14  | 1.10   | 9.65 | Plastic (Colour: Red)  | QRC-IB-12-DM-28-KI-RD                  |  |  |  |  |
| 36,0  | 38     | 245  | 8                      | IB19-0-RT001                           |  |  |  |  |
| 1.42  | 1.50   | 9.65 | Plastic (Colour: Red)  | QRC-IB-19-DM-38-KI-RD                  |  |  |  |  |
| 44    | 44     | 253  | Dr. 1/20 L D. 1/2      | IB25-0-RT001                           |  |  |  |  |
| 1.73  | 1.73   | 9.96 | Plastic (Colour; Red)  | QRC-IB-25-DM-44-KI-RD                  |  |  |  |  |

| Dimer | nsions |      | Material                  | Dust Plug for Female Body Old Part Numbers |
|-------|--------|------|---------------------------|--|
| D1    | D2     | L    |                           | STAUFF Ordering Codes                      |
| 26    | 23     | 240  | Di                        | IB06-9-RT001                               |
| 1.02  | .91    | 9.45 | Plastic (Colour: Red)     | QRC-IB-06-DF-23-KI-RD                      |
| 33    | 25     | 235  | Plastic (Colour Red)      | IB10-9-RT001                               |
| 1.30  | .98    | 9.25 | Plastic (Colour: Red)     | QRC-IB-10-DF-25-KI-RD                      |
| 38    | 29     | 240  | Disable (Onlesse Death    | IB12-9-RT001                               |
| 1.50  | 1.14   | 9.45 | Plastic (Colour: Red)     | QRC-IB-12-DF-29-KI-RD                      |
| 49    | 38     | 240  | Direction (Onlinear Dead) | IB19-9-RT001                               |
| 1.93  | 1.50   | 9.45 | Plastic (Colour: Red)     | QRC-IB-19-DF-38-KI-RD                      |
| 60    | 46     | 245  | Diantia (Calauri Dad)     | IB25-9-RT001                               |
| 2.36  | 1.81   | 9.65 | Plastic (Colour: Red)     | QRC-IB-25-DF-46-KI-RD                      |





| Dimer   | nsions |       | Material                  | Dust Cap for Male Tip     |
|---------|--------|-------|---------------------------|---------------------------|
| (mm/in) |        |       |                           | Old Part Numbers          |
| D1      | D2     | L     |                           | STAUFF Ordering Codes     |
| 22      | 28     | 245   | Kirington on the state to | IB06-0-SI001              |
| .87     | 1.10   | 9.65  | Aluminium with chain      | QRC-IB-06-DM-28/CN-W89-SI |
| 27      | 30     | 155   | Attendance with about     | IB10-0-SI001              |
| 1.06    | 1.18   | 6.10  | Aluminium with chain      | QRC-IB-10-DM-30/CN-W89-SI |
| 35      | 41     | 265   | No. of the contract of    | IB12-0-SI001              |
| 1.38    | 1.61   | 10.43 | Aluminium with chain      | QRC-IB-12-DM-41/CN-W89-SI |
| 42      | 30     | 250   | ** ***                    | IB19-0-SI001              |
| 1.65    | 1.18   | 9.84  | Aluminium with chain      | QRC-IB-19-DM-30/CN-W89-SI |
| 48      | 49     | 340   |                           | IB25-0-SI001              |
| 1.89    | 1.93   | 13.39 | Aluminium with chain      | QRC-IB-25-DM-49/CN-W89-SI |
| 55      | 46     | 225   | KE STATE OF THE SECOND    | IB38-0-SI001              |
| 2.17    | 1.81   | 8.86  | Aluminium with chain      | QRC-IB-38-DM-46/CN-W89-SI |
| 80      | 75     | 350   |                           | IB51-0-SI001              |
| 3.15    | 2.95   | 13.78 | Aluminium with chain      | QRC-IB-51-DM-75/CN-W89-SI |

| Dime    | nsions |       | Material   | Dust Plug for Female Body |  |  |  |  |  |
|---------|--------|-------|--|---------------------------|--|--|--|--|--|
| (mm/in) |        |       |  | Old Part Numbers          |  |  |  |  |  |
| D1      | D2     | L     |  | STAUFF Ordering Codes     |  |  |  |  |  |
| 22      | 30     | 210   | All controls one or falls when to  | IB06-9-SI001              |  |  |  |  |  |
| .87     | 1.18   | 8.27  | Aluminium with chain   | QRC-IB-06-DF-30/CN-W89-SI |  |  |  |  |  |
| 22      | 30     | 155   | At out of our other about  | IB10-9-SI001              |  |  |  |  |  |
| .87     | 1.18   | 6.10  | Aluminium with chain   | QRC-IB-10-DF-30/CN-W89-SI |  |  |  |  |  |
| 28      | 41     | 305   | At an internal state of the state  | IB12-9-SI001              |  |  |  |  |  |
| 1.10    | 1.61   | 12.01 | Aluminium with chain   | QRC-IB-12-DF-41/CN-W89-SI |  |  |  |  |  |
| 35      | 43     | 265   | Marian Company of the | IB19-9-SI001              |  |  |  |  |  |
| 1,38    | 1.69   | 10.43 | Aluminium with chain   | QRC-IB-19-DF-43/CN-W89-SI |  |  |  |  |  |
| 44      | 41     | 240   |  | IB25-9-SI001              |  |  |  |  |  |
| 1.73    | 1.61   | 9.45  | Aluminium with chain   | QRC-IB-25-DF-41/CN-W89-SI |  |  |  |  |  |
| 74      | 46     | 225   | A Constitution of the objects  | IB38-9-SI001              |  |  |  |  |  |
| 2.91    | 1.81   | 8.86  | Aluminium with chain   | QRC-IB-38-DF-46/CN-W89-SI |  |  |  |  |  |
| 105     | 75     | 350   |  | IB51-9-SI001              |  |  |  |  |  |
| 4.13    | 2.95   | 13.78 | Aluminium with chain   | QRC-IB-51-DF-75/CN-W89-SI |  |  |  |  |  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

78

| Series IB • Overview                    | 76 | Series IB-51 • BG 14 • Nominal Size 51 |
|---|----|--|
| Series IB-06 * BG 1 * Nominal Size 6,3  | 77 | Series IB • Dust Protection            |
| Series IB-10 • BG 2 • Nominal Size 10   | 77 |  |
| Series IB-12 • BG 3 • Nominal Size 12,5 | 77 |  |
| Series IB-19 • BG 6 • Nominal Size 19   | 77 |  |
| Series IB-25 • BG 8 • Nominal Size 25   | 78 |  |
| Series IB-38 • BG 12 • Nominal Size 38  | 78 |  |



### Series IB • Brass

| Material                  | Brass                           |  |
|---------------------------|---------------------------------|--|
| Surface Finishing         | -                               |  |
| Standard Seal Material(s) | FKM (Viton®) 2                  |  |
| Working Temperature       | -25° C +200° C / -13° F +392° F |  |
| Valve Design              | Poppet Valve                    |  |
| Connection                | Push and actuate Push Sleeve    |  |
| Disconnection             | Actuate Push Sleeve             |  |
| Connect Under Pressure    | not allowed                     |  |
| Application               | Industrial Hydraulic            |  |
| ISO Interchange           | ISO 7241-1, Series B            |  |

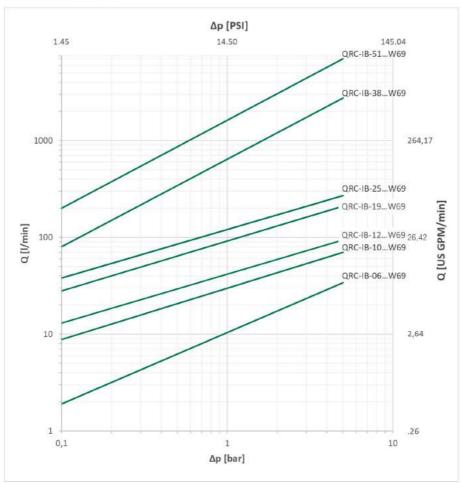


# **Technical Data**

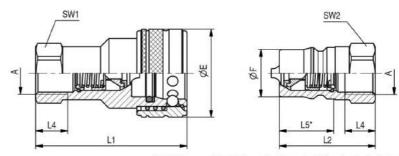
| Series | BG | Zoll   | Zoll     | Zoll  | Zoll   | ZoII | DN<br>metric | Q max |       | Workin | ng Pressure |     | g Pressure<br>nnected |      | male Body |  | Male Tip | Spillag | е |
|--------|----|--------|----------|-------|--------|------|--------------|-------|-------|--------|-------------|-----|-----------------------|------|-----------|--|----------|---------|---|
|        |    | Inch   | ISO 4397 | I/min | US GPM | bar  | PSI          | bar   | PSI   | bar    | PSI         | bar | PSI                   | ml   | fl oz     |  |          |         |   |
| IB-06  | 1  | 1/4"   | 6,3      | 24    | 6.34   | 200  | 2901         | 1200  | 17404 | 800    | 11603       | 800 | 11603                 | 1,0  | .0338     |  |          |         |   |
| IB-10  | 2  | 3/8"   | 10       | 46    | 12.15  | 200  | 2901         | 950   | 13779 | 850    | 12328       | 800 | 11603                 | 2,4  | .0812     |  |          |         |   |
| IB-12  | 3  | 1/2"   | 12,5     | 90    | 23.77  | 180  | 2611         | 1000  | 14504 | 900    | 13053       | 720 | 10443                 | 3,9  | .1319     |  |          |         |   |
| IB-19  | 6  | 3/4"   | 19 (20)  | 220   | 58.12  | 130  | 1885         | 800   | 11603 | 650    | 9427        | 550 | 7977                  | 11,0 | .3720     |  |          |         |   |
| IB-25  | 8  | 1"     | 25       | 260   | 68.68  | 130  | 1885         | 600   | 8702  | 700    | 10153       | 550 | 7977                  | 19,0 | .6425     |  |          |         |   |
| IB-38  | 12 | 1 1/2" | 38       | 757   | 199.98 | 60   | 870          | 250   | 3626  | 250    | 3626        | 250 | 3626                  | 95,0 | 3.2123    |  |          |         |   |
| IB-51  | 14 | 2"     | 51       | 1000  | 264.17 | 50   | 725          | 200   | 2901  | 200    | 2908        | 200 | 2901                  | 170  | 5.7484    |  |          |         |   |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.

\* Insertion Male Tip.

# Series IB-06 • BG 1 • Nominal Size 6,3

|   | Port A          | Dime<br>(mm/in | ension: | S      |       |            |      |     |     | Female Body Old Part Numbers | Weight (Ng/Ibs) ca. | Male Tip Old Part Numbers | Weight<br>(NS/Ibs) ca.<br>per 100 |
|---|-----------------|----------------|---------|--------|-------|------------|------|-----|-----|------------------------------|---------------------|---------------------------|-----------------------------------|
|   |                 | ØE             | ØF      | L1     | L2    | L4         | L5   | SW1 | SW2 | STAUFF Ordering Codes        | per 100             | STAUFF Ordering Codes     |                                   |
|   | Female Thread a | ccording       | to DIN  | N 3852 | - ANS | I B 1.20.3 |      |     |     |                              |                     |                           |                                   |
|   | 0.4/48          | 28             | 14,2    | 60     | 38    | 12         | 21,5 | 19  | 19  | IB06-1-IGF04-MS              | 13,30               | IB06-2-IGF04-MS           | 4,30                              |
|   | G 1/4"          | 1.1            | .56     | 2.36   | 1.50  | .47        | .85  | .75 | .75 | QRC-IB-06-F-G04-VT-W69       | 29.32               | QRC-IB-06-M-G04-V-W69     | 9.48                              |
|   |                 | 28             | 14.2    | 60     | 38    |            | 21.5 | 19  | 19  | IB06-1-INF04-MS              | 13,40               | IB06-2-INF04-MS           | 4,40                              |
| 4 | NPTF 1/4" -18   | 20             | 177,60  |        |       |            |      |     |     |                              |                     |                           |                                   |

### Series IB-10 • BG 2 • Nominal Size 10

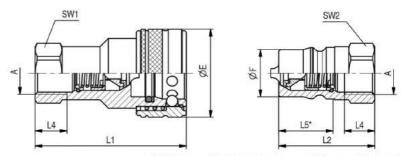
|     | Port A          |              | nsion | IS     |       |           |      |     |     | Female Body Old Part Numbers | Weight (kg/lbs) ca. per 100 | Male Tip Old Part Numbers | Weight (Kg/lbs) ca |
|-----|-----------------|--------------|-------|--------|-------|-----------|------|-----|-----|------------------------------|-----------------------------|---------------------------|--------------------|
|     |                 | (mm/m)<br>ØE | ØF    | L1     | L2    | L4        | L5   | SW1 | SW2 | STAUFF Ordering Codes        |                             | STAUFF Ordering Codes     | per 100            |
|     | Female Thread a | ccording     | to DI | N 3852 | - ANS | I B 1.20. | 3    |     |     |                              |                             |                           |                    |
|     | G 3/8"          | 35           | 19    | 67,2   | 42,5  | 12        | 28,2 | 22  | 22  | IB10-1-IGF06-MS              | 21,30                       | IB10-2-IGF06-MS           | 6,90               |
| 17  |                 | 1.38         | .75   | 2.65   | 1.67  | .47       | 1.11 | .87 | .87 | QRC-IB-10-F-G06-VT-W69       | 46.96                       | QRC-IB-10-M-G06-V-W69     | 15.21              |
| 114 | NOTE OVOLUTIO   | 35           | 19    | 67,2   | 42,5  |           | 28,2 | 22  | 22  | IB10-1-INF06-MS              | 21,50                       | IB10-2-INF06-MS           | 7,10               |
| 72  | NPTF 3/8" -18   | 1.38         | 75    | 2.65   | 1.67  |           | 1.11 | .87 | .87 | QRC-IB-10-F-NF06-VT-W69      | 47.40                       | QRC-IB-10-M-NF06-V-W69    | 15.65              |

# Series IB-12 • BG 3 • Nominal Size 12,5

|      | Port A          |          |        |      |       |            |      |      | Female Body | Weight                  | Male Tip                           | Weight                 |   |
|------|-----------------|----------|--------|------|-------|------------|------|------|-------------|-------------------------|------------------------------------|------------------------|---|
|      |                 | (mm/in)  |        |      |       |            |      |      |             | Old Part Numbers        | ( <sup>ка</sup> лы) са.<br>per 100 | Old Part Numbers       | ( <sup>kg</sup> / <sub>lbs</sub> ) ca.<br>per 100 |
|      |                 | ØE       | ØF     | L1   | L2    | L4         | L5   | SW1  | SW2         | 2 STAUFF Ordering Codes |                                    | STAUFF Ordering Codes  |   |
|      | Female Thread a | ccording | to DIN | 3852 | - ANS | I B 1.20.3 |      |      |             |                         |                                    |                        |   |
|      | G 1/2"          | 44       | 23,55  | 75,7 | 48    | 14         | 27,2 | 27   | 27          | IB12-1-IGF08-MS         | 39,60                              | IB12-2-IGF08-MS        | 12,40   |
|      |                 | 1.73     | .93    | 2.98 | 1.89  | .55        | 1.07 | 1.06 | 1.06        | QRC-IB-12-F-G08-VT-W69  | 87.30                              | QRC-IB-12-M-G08-V-W69  | 27.34   |
|      |                 | 44       | 23,55  | 75,7 | 48    |            | 27,2 | 27   | 27          | IB12-1-INF08-MS         | 40                                 | IB12-2-INF08-MS        | 12,80   |
| h -1 | NPTF 1/2" -14   |          |        |      |       |            |      |      | 1.06        | QRC-IB-12-F-NF08-VT-W69 | 88.18                              | QRC-IB-12-M-NF08-V-W69 | 28.22   |

# Series IB-19 \* BG 6 \* Nominal Size 19

|            | Port A          | Dime     | nsions |      |       |            |      |      |      | Female Body             | Weight                   | Male Tip               | Weight<br>(*9/16s) ca.<br>per 100 |
|------------|-----------------|----------|--------|------|-------|------------|------|------|------|-------------------------|--------------------------|------------------------|-----------------------------------|
|            |                 | (mm/in   |        |      |       |            |      |      |      | Old Part Numbers        | ( <sup>kg</sup> /іы) са. | Old Part Numbers       |                                   |
|            |                 | ØE       | ØF     | L1   | L2 L4 | L4         | L5   | SW1  | SW2  | STAUFF Ordering Codes   | per 100                  | STAUFF Ordering Codes  |                                   |
|            | Female Thread a | ccording | to DIN | 3852 | - ANS | I B 1.20.3 |      |      |      |                         |                          |                        |                                   |
| <b>2</b> 1 | G 3/4"          | 52       | 31,45  | 91,5 | 57    | 14         | 34   | 34   | 34   | IB19-1-IGF12-MS         | 59,70                    | IB19-2-IGF12-MS        | 22,60                             |
|            |                 | 2.05     | 1.24   | 3.60 | 2.24  | .55        | 1.34 | 1.34 | 1.34 | QRC-IB-19-F-G12-VT-W69  | 131.62                   | QRC-IB-19-M-G12-V-W69  | 49.82                             |
| 4          | NIDTE DIAM A A  | 52       | 31,45  | 91,5 | 57    |            | 34   | 34   | 34   | IB19-1-INF12-MS         | 60,10                    | IB19-2-INF12-MS        | 23                                |
|            | NPTF 3/4" -14   | 2.05     | 1.24   | 3.60 | 224   |            | 1.34 | 1.34 | 1.34 | ORC-IB-19-F-NF12-VT-W69 | 132.50                   | QRC-IB-19-M-NF12-V-W69 | 50.71                             |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.

\* Insertion Male Tip.

### Series IB-25 \* BG 8 \* Nominal Size 25

|     | Port A           | Dimensions |        |        |       |             |      |      | Female Body | Weight                  | Male Tip    | Weight                 |                                      |
|-----|------------------|------------|--------|--------|-------|-------------|------|------|-------------|-------------------------|-------------|------------------------|--------------------------------------|
|     |                  | (mm/in)    |        |        |       |             |      |      |             | Old Part Numbers        | (kg/ibe)ca. | Old Part Numbers       | (*9 <sub>/hbs</sub> ) ca.<br>per 100 |
|     |                  | ØE         | ØF     | L1     | L2    | L4 min      | L5   | SW1  | SW2         | STAUFF Ordering Codes   | per 100     | STAUFF Ordering Codes  |                                      |
|     | Female Thread ac | cording    | to DII | N 3852 | - ANS | SI B 1.20.3 |      |      |             |                         |             |                        |                                      |
|     | G 1"             | 60         | 37,8   | 105,8  | 65,5  | 16          | 39,3 | 41   | 41          | IB25-1-IGF16-MS         | 93,80       | IB25-2-IGF16-MS        | 39,20                                |
| P   | u i              | 2.36       | 1.49   | 4.17   | 2.58  | .63         | 1.55 | 1.61 | 1.61        | QRC-IB-25-F-G16-VT-W69  | 206.79      | QRC-IB-25-M-G16-V-W69  | 86.42                                |
| 114 | NOTE AN ALLEO    | 60         | 37,8   | 105,8  | 65,5  |             | 39,3 | 41   | 41          | IB25-1-INF16-MS         | 95          | IB25-2-INF16-MS        | 40,30                                |
| 72  | NPTF 1" -11 1/2  | 2.36       | 1.49   | 4.17   | 2.58  |             | 1.55 | 1.61 | 1.61        | QRC-IB-25-F-NF16-VT-W69 | 209.44      | QRC-IB-25-M-NF16-V-W69 | 88.85                                |

#### Series IB-38 - BG 12 - Nominal Size 38

|      | Port A                | Dime    | nsion  | S      |       |             |      |      |                               | Female Body             | Weight                | Male Tip               | Weight       |
|------|-----------------------|---------|--------|--------|-------|-------------|------|------|-------------------------------|-------------------------|-----------------------|------------------------|--------------|
|      |                       | (mm/in) |        |        |       |             |      |      |                               | Old Part Numbers        | (kg/ms) ca.           | Old Part Numbers       | (kg/lbs) Ca. |
|      |                       | ØE      | ØF     | L1     | L2    | L4 min      | L5   | SW1  | SW1 SW2 STAUFF Ordering Codes | per 100                 | STAUFF Ordering Codes | per 100                |              |
|      | Female Thread acc     | ording  | to DII | N 3852 | - ANS | SI B 1.20.3 |      |      |                               |                         |                       |                        |              |
|      | G 1 1/4"              | 78,5    | 44,5   | 126,5  | 127   | 20          | 52   | 65   | 65                            | IB38-1-IGF20-MS         | 219,80                | IB38-2-IGF20-MS        | 145,20       |
|      |                       | 3.09    | 1.75   | 4.98   | 5.00  | .79         | 2.05 | 2.56 | 2.56                          | QRC-IB-38-F-G20-VT-W69  | 484.58                | QRC-IB-38-M-G20-V-W69  | 320.11       |
| □P1  | NOTE 4 4741 44 470    | 78,5    | 44,5   | 126,5  | 127   |             | 52   | 65   | 65                            | IB38-1-INF20-MS         | 217                   | IB38-2-INF20-MS        | 146,90       |
| □H 4 | NPTF 1 1/4" -11 1/2   | 3.09    | 1.75   | 4.98   | 5.00  |             | 2.05 | 2.56 | 2.56                          | QRC-IB-38-F-NF20-VT-W69 | 478.40                | QRC-IB-38-M-NF20-V-W69 | 323.87       |
| 1    | 0.4.4.101             | 78,5    | 44,5   | 126,5  | 127   | 22          | 52   | 65   | 65                            | IB38-1-IGF24-MS         | 212,60                | IB38-2-IGF24-MS        | 137,10       |
| 14   | G 1 1/2"              | 3.09    | 1.75   | 4.98   | 5.00  | .87         | 2.05 | 2.56 | 2.56                          | QRC-IB-38-F-G24-VT-W69  | 468.70                | QRC-IB-38-M-G24-V-W69  | 302.25       |
|      | NOTE 4 4 (0) 44 4 (0) | 78,5    | 44,5   | 126,5  | 127   |             | 52   | 65   | 65                            | IB38-1-INF24-MS         | 214,80                | IB38-2-INF24-MS        | 139          |
|      | NPTF 1 1/2" -11 1/2   | 3.09    | 1.75   | 4.98   | 5.00  |             | 2.05 | 2.56 | 2.56                          | QRC-IB-38-F-NF24-VT-W69 | 473.55                | QRC-IB-38-M-NF24-V-W69 | 306.44       |

# Series IB-51 • BG 14 • Nominal Size 51

|     | Port A           | Dime    | nsion    | S      |       |             |      |      |      | Female Body             | Weight      | Male Tip               | Weight                  |
|-----|------------------|---------|----------|--------|-------|-------------|------|------|------|-------------------------|-------------|------------------------|-------------------------|
|     |                  | (mm/in) | 33334600 |        |       |             |      |      |      | Old Part Numbers        | (kg/lbs)Ca. | Old Part Numbers       | (*9/hbs) ca.<br>per 100 |
|     |                  | ØE      | ØF       | L1     | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes   | per 100     | STAUFF Ordering Codes  |                         |
|     | Female Thread ac | cording | to DII   | N 3852 | - ANS | SI B 1.20.3 |      |      |      |                         |             |                        |                         |
|     | 0.01             | 105     | 63,2     | 142    | 142,  | 5 24        | 63,5 | 90   | 90   | IB51-1-IGF32-MS         | 532         | IB51-2-IGF32-MS        | 347                     |
| □P1 | G 2"             | 4.13    | 2.49     | 5.59   | 5.61  | .94         | 2.5  | 3.54 | 3.54 | QRC-IB-51-F-G32-VT-W69  | 1172.86     | QRC-IB-51-M-G32-V-W69  | 765                     |
|     | NPTF 2" -11 1/2  | 105     | 63,2     | 142    | 142,  | 5           | 63,5 | 90   | 90   | IB51-1-INF32-MS         | 537         | IB51-2-INF32-MS        | 352                     |
| 1   | NPIF 2 -11 1/2   | 4.13    | 2.49     | 5.59   | 5.61  |             | 2.5  | 3.54 | 3.54 | QRC-IB-51-F-NF32-VT-W69 | 1183.88     | QRC-IB-51-M-NF32-V-W69 | 776.03                  |

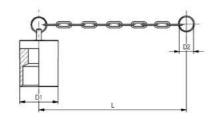
# Series IB • Dust Protection





| Dimer | 0.000 |      | Material              | Dust Cap for Male Tip Old Part Numbers |
|-------|-------|------|-----------------------|--|
| D1    | D2    | L    |                       | STAUFF Ordering Codes                  |
| 18    | 23    | 240  | Disease (Colour Book  | IB06-0-RT001                           |
| .71   | .91   | 9.45 | Plastic (Colour: Red) | QRC-IB-06-DM-23-KI-RD                  |
| 23    | 24    | 240  | Disable (Onlaws Deal) | IB10-0-RT001                           |
| .91   | .94   | 9.45 | Plastic (Colour: Red) | QRC-IB-10-DM-24-KI-RD                  |
| 29    | 28    | 245  | Di 1: 10 1 D 1        | IB12-0-RT001                           |
| 1.14  | 1.10  | 9.65 | Plastic (Colour: Red) | QRC-IB-12-DM-28-KI-RD                  |
| 36,0  | 38    | 245  | Disable (Oslava Desil | IB19-0-RT001                           |
| 1.42  | 1.50  | 9.65 | Plastic (Colour: Red) | QRC-IB-19-DM-38-KI-RD                  |
| 44    | 44    | 253  | DI1:- /O-I DA         | IB25-0-RT001                           |
| 1.73  | 1.73  | 9.96 | Plastic (Colour: Red) | QRC-IB-25-DM-44-KI-RD                  |

| Dimer | Dimensions<br>(****/in) |      | Material              | Dust Plug for Female Body Old Part Numbers |
|-------|-------------------------|------|-----------------------|--|
| D1    | D2                      | L    |                       | STAUFF Ordering Codes                      |
| 26    | 23                      | 240  | Disable (Os) and Dark | IB06-9-RT001                               |
| 1.02  | .91                     | 9.45 | Plastic (Colour: Red) | QRC-IB-06-DF-23-KI-RD                      |
| 33    | 25                      | 235  | Disable (Onless Bad)  | IB10-9-RT001                               |
| 1.30  | .98                     | 9.25 | Plastic (Colour: Red) | QRC-IB-10-DF-25-KI-RD                      |
| 38    | 29                      | 240  | DI 1 10 1 D 1         | IB12-9-RT001                               |
| 1.50  | 1.14                    | 9.45 | Plastic (Colour: Red) | QRC-IB-12-DF-29-KI-RD                      |
| 49    | 38                      | 240  | Disable (Oslave Ded)  | IB19-9-RT001                               |
| 1.93  | 1.50                    | 9.45 | Plastic (Colour: Red) | QRC-IB-19-DF-38-KI-RD                      |
| 60    | 46                      | 245  | DI12- (O-1 D1         | IB25-9-RT001                               |
| 2.36  | 1.81                    | 9.65 | Plastic (Colour: Red) | QRC-IB-25-DF-46-KI-RD                      |





| Dimer   | nsions |       | Material                          | Dust Cap for Male Tip     |
|---------|--------|-------|-----------------------------------|---------------------------|
| (mm/in) |        |       |                                   | Old Part Numbers          |
| D1      | D2     | L     |                                   | STAUFF Ordering Codes     |
| 22      | 28     | 245   | About labour with about           | IB06-0-SI001              |
| .87     | 1.10   | 9.65  | Aluminium with chain              | QRC-IB-06-DM-28/CN-W89-SI |
| 27      | 30     | 155   | Alternative with white            | IB10-0-SI001              |
| 1.06    | 1.18   | 6.10  | Aluminium with chain              | QRC-IB-10-DM-30/CN-W89-SI |
| 35      | 41     | 265   | Alcontation with abote            | IB12-0-SI001              |
| 1.38    | 1.61   | 10.43 | Aluminium with chain              | QRC-IB-12-DM-41/CN-W89-SI |
| 42      | 30     | 250   | At and a long with the state      | IB19-0-SI001              |
| 1.65    | 1.18   | 9.84  | Aluminium with chain              | QRC-IB-19-DM-30/CN-W89-SI |
| 48      | 49     | 340   | Almedature with abote             | IB25-0-SI001              |
| 1.89    | 1.93   | 13.39 | Aluminium with chain              | QRC-IB-25-DM-49/CN-W89-SI |
| 55      | 46     | 225   | All and the state of the state of | IB38-0-SI001              |
| 2.17    | 1.81   | 8.86  | Aluminium with chain              | QRC-IB-38-DM-46/CN-W89-SI |
| 80      | 75     | 350   | Alternative residence of          | IB51-0-SI001              |
| 3.15    | 2.95   | 13.78 | Aluminium with chain              | QRC-IB-51-DM-75/CN-W89-SI |

| Dime    | nsions |       | Material                        | Dust Plug for Female Body |
|---------|--------|-------|---------------------------------|---------------------------|
| (mm/in) |        |       |                                 | Old Part Numbers          |
| D1      | D2     | L     |                                 | STAUFF Ordering Codes     |
| 22      | 30     | 210   | A bounded over a data or bottom | IB06-9-SI001              |
| .87     | 1.18   | 8.27  | Aluminium with chain            | QRC-IB-06-DF-30/CN-W89-SI |
| 22      | 30     | 155   | At contain on order or other    | IB10-9-SI001              |
| .87     | 1,18   | 6.10  | Aluminium with chain            | QRC-IB-10-DF-30/CN-W89-SI |
| 28      | 41     | 305   | At well-to- with the late       | IB12-9-SI001              |
| 1.10    | 1.61   | 12.01 | Aluminium with chain            | QRC-IB-12-DF-41/CN-W89-SI |
| 35      | 43     | 265   | All models on the Marketon      | IB19-9-SI001              |
| 1.38    | 1.69   | 10.43 | Aluminium with chain            | QRC-IB-19-DF-43/CN-W89-SI |
| 44      | 41     | 240   | A boundaries of About a bound   | IB25-9-SI001              |
| 1.73    | 1.61   | 9.45  | Aluminium with chain            | QRC-IB-25-DF-41/CN-W89-SI |
| 74      | 46     | 225   | About to Long so the selection  | IB38-9-SI001              |
| 2.91    | 1.81   | 8.86  | Aluminium with chain            | QRC-IB-38-DF-46/CN-W89-SI |
| 105     | 75     | 350   | Aluminium with chain            | IB51-9-SI001              |
| 4.13    | 2.95   | 13.78 | Aluminium With chain            | QRC-IB-51-DF-75/CN-W89-SI |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series IB • Stainless Steel

| Series IB - Overview                    | 82 | Series IB-51 • BG 14 • Nominal Size 51 | 84 |
|---|----|--|----|
| Series IB-06 • BG 1 • Nominal Size 6,3  | 83 | Series IB • Dust Protection            | 85 |
| Series IB-10 * BG 2 * Nominal Size 10   | 83 |  |    |
| Series IB-12 • BG 3 • Nominal Size 12,5 | 83 |  |    |
| Series IB-19 • BG 6 • Nominal Size 19   | 83 |  |    |
| Series IB-25 • BG 8 • Nominal Size 25   | 84 |  |    |
| Series IB-38 • BG 12 • Nominal Size 38  | 84 |  |    |



#### Series IB . Stainless Steel

| Material                  | Stainless Steel V4A (AISI 316)  |  |
|---------------------------|---------------------------------|--|
| Surface Finishing         | -                               |  |
| Standard Seal Material(s) | FKM (Viton®) 2                  |  |
| Working Temperature       | -25° C +200° C / -13° F +392° F |  |
| Valve Design              | Poppet Valve                    |  |
| Connection                | Push and actuate Push Sleeve    |  |
| Disconnection             | Actuate Push Sleeve             |  |
| Connect Under Pressure    | not allowed                     |  |
| Application               | Industrial Hydraulic            |  |
| ISO Interchange           | ISO 7241-1, Series B            |  |

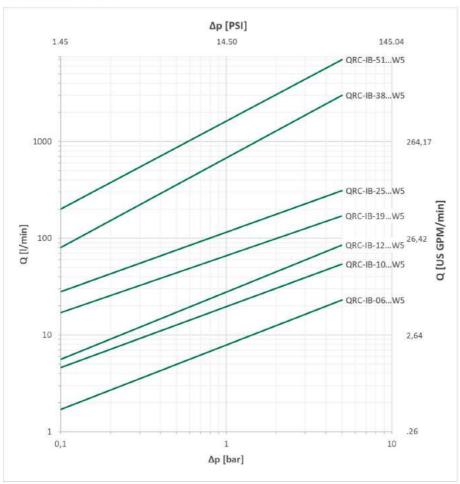


# **Technical Data**

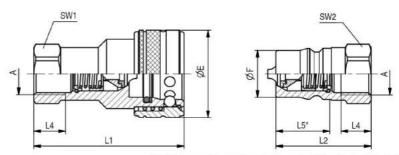
| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure |      | g Pressure<br>nnected |      | nale Body | N    | lale Tip | Spillag | e      |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|------|-----------|------|----------|---------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI         | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml      | fl oz  |
| IB-06  | 1  | 1/4"       | 6,3          | 24    | 6.34   | 350    | 5076        | 1600 | 23206                 | 1500 | 21756     | 1700 | 24656    | 1,0     | .0338  |
| IB-10  | 2  | 3/8"       | 10           | 46    | 12.15  | 300    | 4351        | 2100 | 30458                 | 1100 | 15954     | 1100 | 15954    | 2,4     | .0812  |
| IB-12  | 3  | 1/2"       | 12,5         | 90    | 23.77  | 300    | 4351        | 1500 | 21756                 | 1400 | 20305     | 1500 | 21756    | 3,9     | .1319  |
| IB-19  | 6  | 3/4"       | 19 (20)      | 220   | 58.12  | 220    | 3191        | 1000 | 14504                 | 900  | 13053     | 1000 | 14504    | 11,0    | .3720  |
| IB-25  | 8  | 1"         | 25           | 260   | 68.68  | 200    | 2901        | 850  | 12328                 | 650  | 9427      | 600  | 8702     | 19,0    | .6425  |
| IB-38  | 12 | 1 1/2"     | 38           | 757   | 199.98 | 80     | 1160        | 250  | 3626                  | 250  | 3626      | 250  | 3626     | 95,0    | 3.2123 |
| IB-51  | 14 | 2"         | 51           | 1000  | 264.17 | 60     | 870         | 200  | 2901                  | 200  | 2901      | 200  | 2901     | 170     | 5.7484 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup>Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.

\* Insertion Male Tip.

# Series IB-06 • BG 1 • Nominal Size 6,3

|       | Port A          | Dime     | nsion  | S      |       |             |      |     |     | Female Body            | Weight       | Male Tip              | Weight       |
|-------|-----------------|----------|--------|--------|-------|-------------|------|-----|-----|------------------------|--------------|-----------------------|--------------|
|       |                 | (mm/in)  |        |        |       |             |      |     |     | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers      | (*g/hbs) Ca. |
|       |                 | ØE       | ØF     | L1     | L2    | L4 min      | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
|       | Female Thread a | ccording | to DII | N 3852 | - ANS | SI B 1.20.3 |      |     |     |                        |              |                       |              |
|       | G 1/4"          | 28       | 14,2   | 60     | 38    | 12          | 21,5 | 19  | 19  | IB06-1-IGF04-VA        | 13           | IB06-2-IGF04-VA       | 4            |
|       | G 1/4           | 1.10     | .56    | 2.36   | 1.50  | .47         | .85  | .75 | .75 | QRC-IB-06-F-G04-VT-W5  | 28.66        | QRC-IB-06-M-G04-V-W5  | 8.82         |
| 00000 | NPTF 1/4" -18   | 28       | 14,2   | 60     | 38    |             | 21,5 | 19  | 19  | IB06-1-INF04-VA        | 13,10        | IB06-2-INF04-VA       | 4,10         |
| - «   |                 |          |        | 2.36   | 1.50  |             | .85  | .75 | .75 | QRC-IB-06-F-NF04-VT-W5 | 28.88        | QRC-IB-06-M-NF04-V-W5 | 9.04         |

### Series IB-10 - BG 2 - Nominal Size 10

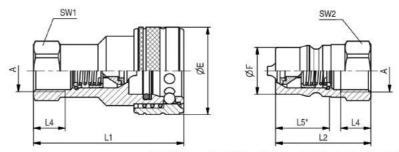
|   | Port A          | Dime     | nsion  | S      |       |             |      |     |     | Female Body            | Weight       | Male Tip              | Weight     |
|---|-----------------|----------|--------|--------|-------|-------------|------|-----|-----|------------------------|--------------|-----------------------|------------|
|   |                 | (mm/in)  |        |        |       |             |      |     |     | Old Part Numbers       | (kg/itm) Ca. | Old Part Numbers      | (kg/ms) ca |
|   |                 | ØE       | ØF     | L1     | L2    | L4 min      | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100    |
|   | Female Thread a | ccording | to DII | N 3852 | - ANS | SI B 1.20.3 |      |     |     |                        |              |                       |            |
|   | 0.0.01          | 35       | 19,1   | 65,2   | 40,5  | 12          | 24,2 | 22  | 22  | IB10-1-IGF06-VA        | 19,70        | IB10-2-IGF06-VA       | 6          |
| 1 | G 3/8"          | 1.38     | .75    | 2.57   | 1.59  | .47         | .95  | .87 | .87 | QRC-IB-10-F-G06-VT-W5  | 43.43        | QRC-IB-10-M-G06-V-W5  | 13.23      |
| 4 | NIDTE O/OF 10   | 35       | 19,1   | 65,2   | 40,5  |             | 24,2 | 22  | 22  | IB10-1-INF06-VA        | 19,80        | IB10-2-INF06-VA       | 6,10       |
|   | NPTF 3/8" -18   | 1.38     | .75    | 2.57   | 1.59  |             | .95  | .87 | .87 | QRC-IB-10-F-NF06-VT-W5 | 43.65        | QRC-IB-10-M-NF06-V-W5 | 13.45      |

# Series IB-12 • BG 3 • Nominal Size 12,5

|        | Port A          | Dime<br>(mm/in) | nsions | i.   |       |             |      |      |      | Female Body Old Part Numbers | Weight (kg/lbs) ca. | Male Tip Old Part Numbers | Weight<br>(%9/166) Ca |
|--------|-----------------|-----------------|--------|------|-------|-------------|------|------|------|------------------------------|---------------------|---------------------------|-----------------------|
|        |                 | ØE              | ØF     | L1   | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes        | per 100             | STAUFF Ordering Codes     | per 100               |
|        | Female Thread a | ccording        | to DIN | 3852 | - ANS | SI B 1.20.3 |      |      |      |                              |                     |                           |                       |
|        | G 1/2"          | 44              | 23,55  | 73,7 | 46    | 14          | 27,2 | 27   | 27   | IB12-1-IGF08-VA              | 34,60               | IB12-2-IGF08-VA           | 10,70                 |
| F      | G 1/2           | 1.73            | .93    | 2.90 | 1.81  | .55         | 1.07 | 1.06 | 1.06 | QRC-IB-12-F-G08-VT-W5        | 76.28               | QRC-IB-12-M-G08-V-W5      | 23.59                 |
| Mary . | NPTF 1/2" -14   | 44              | 23,55  | 73,7 | 46    |             | 27,2 | 27   | 27   | IB12-1-INF08-VA              | 35                  | IB12-2-INF08-VA           | 10,90                 |
| 1 <    |                 |                 |        |      | 1.81  |             | 1.07 | 1.06 | 1.06 | QRC-IB-12-F-NF08-VT-W5       | 77.16               | QRC-IB-12-M-NF08-V-W5     | 24.03                 |

# Series IB-19 \* BG 6 \* Nominal Size 19

|     | Port A          | Dime     | nsions |      |       |             |      |      |      | Female Body            | Weight       | Male Tip              | Weight      |
|-----|-----------------|----------|--------|------|-------|-------------|------|------|------|------------------------|--------------|-----------------------|-------------|
|     |                 | (mm/in)  |        |      |       |             |      |      |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers      | (*9/hbs) Ca |
|     |                 | ØE       | ØF     | L1   | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100     |
|     | Female Thread a | ccording | to DIN | 3852 | - ANS | SI B 1.20.3 |      |      |      |                        |              |                       |             |
|     | G 3/4"          | 51,8     | 31,45  | 91,5 | 57    | 16          | 34   | 34   | 34   | IB19-1-IGF12-VA        | 56           | IB19-2-IGF12-VA       | 21          |
| P   | G 3/4           | 2.03     | 1.24   | 3.60 | 2.24  | .63         | 1.34 | 1.34 | 1.34 | QRC-IB-19-F-G12-VT-W5  | 123.46       | QRC-IB-19-M-G12-V-W5  | 46.30       |
| 111 | NIDTE OZANI A A | 51,8     | 31,45  | 91,5 | 57    |             | 34   | 34   | 34   | IB19-1-INF12-VA        | 56,50        | IB19-2-INF12-VA       | 21,50       |
| 70  | NPTF 3/4" -14   | 2.03     | 1.24   | 3.60 | 2.24  |             | 1.34 | 1.34 | 1.34 | QRC-IB-19-F-NF12-VT-W5 | 124.56       | QRC-IB-19-M-NF12-V-W5 | 47.40       |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series IB-12.

\* Insertion Male Tip.

# Series IB-25 \* BG 8 \* Nominal Size 25

|     | Port A           | Dime    | nsion  | S      |       |             |      |      |      | Female Body            | Weight       | Male Tip              | Weight       |
|-----|------------------|---------|--------|--------|-------|-------------|------|------|------|------------------------|--------------|-----------------------|--------------|
|     |                  | (mm/in) |        |        |       |             |      |      |      | Old Part Numbers       | (kg/lb±) ca. | Old Part Numbers      | (*g/nbs) Ca. |
|     |                  | ØE      | ØF     | L1     | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
|     | Female Thread ac | cording | to DIN | N 3852 | - ANS | SI B 1.20.3 |      |      |      |                        |              |                       |              |
|     | G 1"             | 60      | 37,8   | 103,   | 63,5  | 18          | 39,3 | 41   | 41   | IB25-1-IGF16-VA        | 90,80        | IB25-2-IGF16-VA       | 34,20        |
| ⊣Pi | u i              | 2.36    | 1.49   | 4.09   | 2.50  | .71         | 1.55 | 1.61 | 1.61 | QRC-IB-25-F-G16-VT-W5  | 200.18       | QRC-IB-25-M-G16-V-W5  | 75.40        |
| 114 | NOTE 411 44 4 10 | 60      | 37,8   | 103,   | 63,5  |             | 39,3 | 41   | 41   | IB25-1-INF16-VA        | 91,80        | IB25-2-INF16-VA       | 35,20        |
| 1   | NPTF 1" -11 1/2  | 2.36    | 1.49   | 4.09   | 2.50  |             | 1.55 | 1.61 | 1.61 | QRC-IB-25-F-NF16-VT-W5 | 202.38       | QRC-IB-25-M-NF16-V-W5 | 77.60        |

#### Series IB-38 • BG 12 • Nominal Size 38

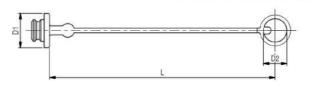
|      | Port A                 | Dime    | nsions |       |       |            |      |      |      | Female Body            | Weight       | Male Tip              | Weight       |
|------|------------------------|---------|--------|-------|-------|------------|------|------|------|------------------------|--------------|-----------------------|--------------|
|      |                        | (mm/in) |        |       |       |            |      |      |      | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers      | (*p/its) ca. |
|      |                        | ØE      | ØF     | L1    | L2    | L4 min     | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
|      | Female Thread acc      | ording  | to DIN | 3852  | - ANS | I B 1.20.3 |      |      |      |                        |              |                       |              |
|      | 0.1.1/41               | 78,5    | 44,45  | 126,5 | 127   | 20         | 52   | 65   | 65   | IB38-1-IGF20-VA        | 216,60       | IB38-2-IGF20-VA       | 138,20       |
|      | G 1 1/4"               | 3.09    | 1.75   | 4.98  | 5.00  | .79        | 2.05 | 2.56 | 2.56 | QRC-IB-38-F-G20-VT-W5  | 477.52       | QRC-IB-38-M-G20-V-W5  | 304.68       |
| □P1  | NOTE 4 4 (4), 44 4 (0) | 78,5    | 44,45  | 126,5 | 127   |            | 52   | 65   | 65   | IB38-1-INF20-VA        | 217,80       | IB38-2-INF20-VA       | 139,40       |
| TH 4 | NPTF 1 1/4" -11 1/2    | 3.09    | 1.75   | 4.98  | 5.00  |            | 2.05 | 2.56 | 2.56 | QRC-IB-38-F-NF20-VT-W5 | 480.17       | QRC-IB-38-M-NF20-V-W5 | 307.32       |
| 1    | 0.4.4.00               | 78,5    | 44,45  | 126,5 | 127   | 22         | 52   | 65   | 65   | IB38-1-IGF24-VA        | 208          | IB38-2-IGF24-VA       | 130,40       |
| 14   | G 1 1/2"               | 3.09    | 1.75   | 4.98  | 5.00  | .87        | 2.05 | 2.56 | 2.56 | QRC-IB-38-F-G24-VT-W5  | 458.56       | QRC-IB-38-M-G24-V-W5  | 287.48       |
|      | NPTF 1 1/2" -11 1/2    | 78,5    | 44,45  | 126,5 | 127   |            | 52   | 65   | 65   | IB38-1-INF24-VA        | 209,50       | IB38-2-INF24-VA       | 132          |
|      | NP1F1 1/2" -11 1/2     | 3.09    | 1.75   | 4.98  | 5.00  |            | 2.05 | 2.56 | 2.56 | QRC-IB-38-F-NF24-VT-W5 | 461.87       | QRC-IB-38-M-NF24-V-W5 | 291.01       |

# Series IB-51 • BG 14 • Nominal Size 51

|     | Port A           | Dime    | nsion       | S      |       |            |      |      |      | Female Body            | Weight       | Male Tip              | Weight                    |
|-----|------------------|---------|-------------|--------|-------|------------|------|------|------|------------------------|--------------|-----------------------|---------------------------|
|     |                  | (mm/in  | on the con- |        |       |            |      |      |      | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers      | ( <sup>kg</sup> /lbs) Ca. |
|     |                  | ØE      | ØF          | L1     | L2    | L4 min     | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100                   |
|     | Female Thread ac | cording | to DI       | N 3852 | - ANS | I B 1.20.3 |      |      |      |                        |              |                       |                           |
|     | 0.01             | 105     | 63,2        | 142    | 142,5 | 24         | 63,5 | 90   | 90   | IB51-1-IGF32-VA        | 497          | IB51-2-IGF32-VA       | 329                       |
| 777 | G 2"             | 4.13    | 2.49        | 5.59   | 5.61  | .94        | 2.50 | 3.54 | 3.54 | QRC-IB-51-F-G32-VT-W5  | 1095.70      | QRC-IB-51-M-G32-V-W5  | 725.32                    |
| TH  | NPTF 2" -11 1/2  | 105     | 63,2        | 142    | 142,5 | ,          | 63,5 | 90   | 90   | IB51-1-INF32-VA        | 505          | IB51-2-INF32-VA       | 330                       |
| 1   | NP1F 2" -11 1/2  | 4.13    | 2.49        | 5.59   | 5.61  |            | 2.50 | 3.54 | 3.54 | QRC-IB-51-F-NF32-VT-W5 | 1113.33      | QRC-IB-51-M-NF32-V-W5 | 727.53                    |

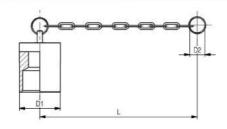
# Series IB • Dust Protection

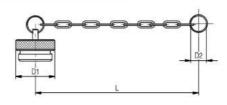




| Dimer<br>(mm/in) | nsions |      | Material                | Dust Cap for Male Tip Old Part Numbers |
|------------------|--------|------|-------------------------|--|
| D1               | D2     | L    |                         | STAUFF Ordering Codes                  |
| 18               | 23     | 240  | District Co. L. D. d.   | IB06-0-RT001                           |
| .71              | .91    | 9.45 | Plastic (Colour: Red)   | QRC-IB-06-DM-23-KI-RD                  |
| 23               | 24     | 240  | Disetie (Colour Deel    | IB10-0-RT001                           |
| .91              | .94    | 9.45 | Plastic (Colour: Red)   | QRC-IB-10-DM-24-KI-RD                  |
| 29               | 28     | 245  | Direction (Octoon Deed) | IB12-0-RT001                           |
| 1.14             | 1_10   | 9.65 | Plastic (Colour: Red)   | QRC-IB-12-DM-28-KI-RD                  |
| 36,0             | 38     | 245  | 01 11 10 1 0 1          | IB19-0-RT001                           |
| 1.42             | 1.50   | 9.65 | Plastic (Colour: Red)   | QRC-IB-19-DM-38-KI-RD                  |
| 44               | 44     | 253  | Directio (Onlaws Dark   | IB25-0-RT001                           |
| 1.73             | 1.73   | 9.96 | Plastic (Colour: Red)   | QRC-IB-25-DM-44-KI-RD                  |

| Dimer | nsions |      | Material              | Dust Plug for Female Body Old Part Numbers |
|-------|--------|------|-----------------------|--|
| D1    | D2     | L    |                       | STAUFF Ordering Codes                      |
| 26    | 23     | 240  | DI                    | IB06-9-RT001                               |
| 1.02  | .91    | 9.45 | Plastic (Colour: Red) | QRC-IB-06-DF-23-KI-RD                      |
| 33    | 25     | 235  | Disable (Caleum Dad)  | IB10-9-RT001                               |
| 1.30  | .98    | 9.25 | Plastic (Colour: Red) | QRC-IB-10-DF-25-KI-RD                      |
| 38    | 29     | 240  | Disable (Oslave Dad)  | IB12-9-RT001                               |
| 1.50  | 1.14   | 9.45 | Plastic (Colour: Red) | QRC-IB-12-DF-29-KI-RD                      |
| 49    | 38     | 240  | Disable (Onless Park  | IB19-9-RT001                               |
| 1.93  | 1.50   | 9.45 | Plastic (Colour: Red) | QRC-IB-19-DF-38-KI-RD                      |
| 60    | 46     | 245  | Disable (Calcus Dad)  | IB25-9-RT001                               |
| 2.36  | 1.81   | 9.65 | Plastic (Colour: Red) | QRC-IB-25-DF-46-KI-RD                      |





| Dimer | nsions |       | Material                         | Dust Cap for Male Tip Old Part Numbers |  |
|-------|--------|-------|----------------------------------|--|--|
| D1    | D2     | L     |                                  | STAUFF Ordering Codes                  |  |
| 22    | 28     | 245   | All and the second by the second | IB06-0-SI001                           |  |
| .87   | 1.10   | 9.65  | Aluminium with chain             | QRC-IB-06-DM-28/CN-W89-SI              |  |
| 27    | 30     | 155   | ** ***                           | IB10-0-SI001                           |  |
| 1.06  | 1.18   | 6.10  | Aluminium with chain             | QRC-IB-10-DM-30/CN-W89-SI              |  |
| 35    | 41     | 265   | Alicentalisms college at alle    | IB12-0-SI001                           |  |
| 1.38  | 1.61   | 10.43 | Aluminium with chain             | QRC-IB-12-DM-41/CN-W89-SI              |  |
| 42    | 30     | 250   | ************                     | IB19-0-SI001                           |  |
| 1.65  | 1.18   | 9.84  | Aluminium with chain             | QRC-IB-19-DM-30/CN-W89-SI              |  |
| 48    | 49     | 340   | Alternative with which           | IB25-0-SI001                           |  |
| 1.89  | 1.93   | 13.39 | Aluminium with chain             | QRC-IB-25-DM-49/CN-W89-SI              |  |
| 55    | 46     | 225   | All contest on the state         | IB38-0-SI001                           |  |
| 2.17  | 1.81   | 8.86  | Aluminium with chain             | QRC-IB-38-DM-46/CN-W89-SI              |  |
| 80    | 75     | 350   | Alcordologo with whate           | IB51-0-SI001                           |  |
| 3.15  | 2.95   | 13.78 | Aluminium with chain             | QRC-IB-51-DM-75/CN-W89-SI              |  |

| Dimer<br>(mm/in) | nsions |       | Material                    | Dust Plug for Female Body Old Part Numbers |
|------------------|--------|-------|-----------------------------|--|
| D1               | D2     | L     |                             | STAUFF Ordering Codes                      |
| 22               | 30     | 210   | A formation to the section  | IB06-9-SI001                               |
| .87              | 1.18   | 8.27  | Aluminium with chain        | QRC-IB-06-DF-30/CN-W89-SI                  |
| 22               | 30     | 155   | At mately me with the to    | IB10-9-SI001                               |
| .87              | 1.18   | 6.10  | Aluminium with chain        | QRC-IB-10-DF-30/CN-W89-SI                  |
| 28               | 41     | 305   | Aluminium with chain        | IB12-9-SI001                               |
| 1.10             | 1.61   | 12.01 | Aluminium with chain        | QRC-IB-12-DF-41/CN-W89-SI                  |
| 35               | 43     | 265   | A CONTROL OF THE PROPERTY.  | IB19-9-SI001                               |
| 1,38             | 1.69   | 10.43 | Aluminium with chain        | QRC-IB-19-DF-43/CN-W89-SI                  |
| 44               | 41     | 240   | A translations soldly about | IB25-9-SI001                               |
| 1.73             | 1.61   | 9.45  | Aluminium with chain        | QRC-IB-25-DF-41/CN-W89-SI                  |
| 74               | 46     | 225   | Aliuminium with ohein       | IB38-9-SI001                               |
| 2.91             | 1.81   | 8.86  | Aluminium with chain        | QRC-IB-38-DF-46/CN-W89-SI                  |
| 105              | 75     | 350   | Aluminium with chain        | IB51-9-SI001                               |
| 4.13             | 2.95   | 13.78 | Aluminum with chain         | QRC-IB-51-DF-75/CN-W89-SI                  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series ID • Carbon Steel

| Series ID - Overview                   | 88 |
|--|----|
| Series ID-06 * BG 1 * Nominal Size 6,3 | 89 |
| Series ID-10 * BG 2 * Nominal Size 10  | 89 |
| Series ID-19 = BG 6 = Nominal Size 19  | 89 |
| Series ID-25 = BG 8 = Nominal Size 25  | 89 |
| Series ID • Dust Protection            | 90 |



### Series ID . Carbon Steel

| Material                  | Carbon Steel                    |
|---------------------------|---------------------------------|
| Surface Finishing         | Zinc-Nickel                     |
| Standard Seal Material(s) | NBR (Buna-N®) 2                 |
| Working Temperature       | -25° C +100° C / -13° F +212° F |
| Valve Design              | Poppet Valve                    |
| Connection                | Push and actuate Push Sleeve    |
| Disconnection             | Actuate Push Sleeve             |
| Connect Under Pressure    | not allowed                     |
| Application               | Industrial Hydraulic            |
| ISO Interchange           |                                 |

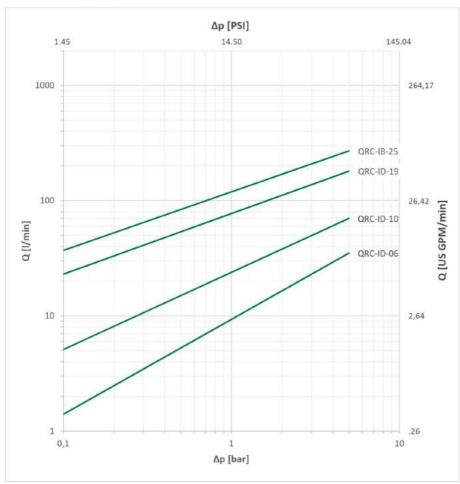


### **Technical Data**

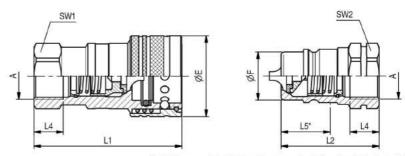
| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure |      | g Pressure<br>nnected |      | nale Body | N    | ale Tip | Spillag | е     |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|------|-----------|------|---------|---------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI         | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml      | fl oz |
| ID-06  | 1  | 1/4"       | 6,3          | 24    | 6.34   | 400    | 5801        | 1700 | 24656                 | 1700 | 24656     | 1600 | 23206   | 1       | .0338 |
| ID-10  | 2  | 3/8"       | 10           | 46    | 12.15  | 350    | 5076        | 1500 | 21756                 | 1700 | 24656     | 1500 | 21756   | 2,4     | .0812 |
| ID-19  | 6  | 3/4"       | 19 (20)      | 190   | 50.19  | 250    | 3626        | 1100 | 15954                 | 1200 | 17404     | 1000 | 14504   | 8,6     | .2908 |
| ID-25  | 8  | 1"         | 25           | 250   | 66.04  | 250    | 3626        | 1000 | 14504                 | 1100 | 15954     | 1200 | 17404   | 13,0    | .4396 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series ID-19.

# Series ID-06 • BG 1 • Nominal Size 6,3

|   | Port A          | Dime     | nsion | 5      |       |             |      |     |     | Female Body            | Weight       | Male Tip              | Weight     |
|---|-----------------|----------|-------|--------|-------|-------------|------|-----|-----|------------------------|--------------|-----------------------|------------|
|   |                 | (mm/in)  | )     |        |       |             |      |     |     | Old Part Numbers       | (kg/ilm) Ca. | Old Part Numbers      | (kg/ms) ca |
|   |                 | ØE       | ØF    | L1     | L2    | L4 min      | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100    |
|   | Female Thread a | ccording | to DI | N 3852 | - ANS | SI B 1.20.3 |      |     |     |                        |              |                       |            |
|   | G 1/4"          | 27       | 14,2  | 55,5   | 38    | 12          | 17,2 | 19  | 19  | ID06-1-IGF04           | 11,80        | ID06-2-IGF04          | 4,60       |
|   | G 1/4           | 1.06     | .56   | 2.19   | 1.50  | .47         | .68  | .75 | .75 | QRC-ID-06-F-G04-BT-W3  | 26.01        | QRC-ID-06-M-G04-B-W3  | 10.14      |
|   | manasana da     | 27       | 14,2  | 55,5   | 38    |             | 17,2 | 19  | 19  | ID06-1-INF04           | 11,90        | ID06-2-INF04          | 4,70       |
| 4 | NPTF 1/4" -18   |          |       |        | 1.50  |             | .68  | .75 | .75 | ORC-ID-06-F-NF04-BT-W3 | 26.24        | QRC-ID-06-M-NF04-B-W3 | 10.36      |

# Series ID-10 • BG 2 • Nominal Size 10

|   | Port A                  | Dime     | nsion     | IS         |         |             |     |     |      | Female Body  | Weight       | Male Tip                             | Weight     |
|---|-------------------------|----------|-----------|------------|---------|-------------|-----|-----|------|--|--------------|--------------------------------------|------------|
|   |                         | (mm/m)   |           |            |         |             |     |     |      | Old Part Numbers   | (kg/itm) Ca. | Old Part Numbers                     | (kg/ms) ca |
|   |                         | ØE       | ØF        | L1         | L2      | L4 min      | L5  | SW1 | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes                | per 100    |
|   | Female Thread a         | ccording | to DI     | N 3852     | 2 - ANS | SI B 1.20.3 |     |     |      |  |              |                                      |            |
|   |                         |          |           |            |         |             |     |     |      |  |              |                                      |            |
|   | 0.2/0"                  | 27       | 19        | 63         | 42,5    | 12          | 20  | 24  | 24   | ID10-1-IGF06   | 20           | ID10-2-IGF06                         | 8          |
|   | G 3/8"                  | 1.06     | 19<br>.75 | 63<br>2.48 |         |             | .79 | .94 | .94  | ID10-1-IGF06<br>QRC-ID-10-F-G06-BT-W3  | 20<br>44.09  | ID10-2-IGF06<br>QRC-ID-10-M-G06-B-W3 | 8<br>17.64 |
| 4 | G 3/8"<br>NPTF 3/8" -18 |          |           |            |         | .47         |     | -   | 1233 | THE STATE OF THE S | 72           | 17.10.17.17.17.17.                   |            |

### Series ID-19 • BG 6 • Nominal Size 19

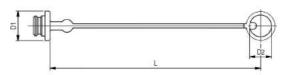
|   | Port A          | Dime<br>(""/in) | nsions |      |       |            |      |      |      | Female Body<br>Old Part Numbers | Weight  | Male Tip Old Part Numbers | Weight<br>(hg/lbs) ca |
|---|-----------------|-----------------|--------|------|-------|------------|------|------|------|---------------------------------|---------|---------------------------|-----------------------|
|   |                 | ØE              | ØF     | L1   | L2    | L4 min     | L5   | SW1  | SW2  | STAUFF Ordering Codes           | per 100 | STAUFF Ordering Codes     | per 100               |
|   | Female Thread a | ccording        | to DIN | 3852 | - ANS | I B 1.20.3 |      |      |      |                                 |         |                           |                       |
|   | G 3/4"          | 47              | 28     | 86   | 57    | 16         | 28,5 | 34   | 34   | ID19-1-IGF12                    | 47,30   | ID19-2-IGF12              | 18,30                 |
|   | ta 3/4"         | 1.85            | 1.10   | 3.39 | 2.24  | .63        | 1.12 | 1.34 | 1.34 | QRC-ID-19-F-G12-BT-W3           | 104.28  | QRC-ID-19-M-G12-B-W3      | 40.34                 |
| 1 |                 |                 |        |      |       |            |      |      |      |                                 |         |                           |                       |
| 1 | NPTF 3/4" -14   | 47              | 28     | 86   | 57    |            | 28,5 | 34   | 34   | ID19-1-INF12                    | 47,80   | ID19-2-INF12              | 18,80                 |

### Series ID-25 • BG 8 • Nominal Size 25

|                | Port A           | Dime    | nsion  | S      |       |             |      |      |      | Female Body            | Weight       | Male Tip              | Weight       |
|----------------|------------------|---------|--------|--------|-------|-------------|------|------|------|------------------------|--------------|-----------------------|--------------|
|                |                  | (mm/in) |        |        |       |             |      |      |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers      | (**p/ins) Ca |
|                |                  | ØE      | ØF     | L1     | L2    | L4 min      | L5   | SW1  | SW2  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
|                | Female Thread ac | cording | to DIN | N 3852 | - ANS | SI B 1.20.3 |      |      |      |                        |              |                       |              |
|                | G 1"             | 52      | 31,3   | 99     | 65,5  | 18          | 33   | 41   | 41   | ID25-1-IGF16           | 73,60        | ID25-2-IGF16          | 28,20        |
| P              | G I              | 2.05    | 1.23   | 3.90   | 2.58  | .71         | 1.30 | 1.61 | 1.61 | QRC-ID-25-F-G16-BT-W3  | 162.26       | QRC-ID-25-M-G16-B-W3  | 62.17        |
| M <sub>1</sub> | NPTF 1" -11 1/2  | 52      | 31,3   | 99     | 65,5  |             | 33   | 41   | 41   | ID25-1-INF16           | 74,30        | ID25-2-INF16          | 28,90        |
| 1              | NPIP1 -11 1/2    | 2.05    | 1.23   | 3.90   | 2.58  |             | 1.30 | 1.61 | 1.61 | ORC-ID-25-F-NF16-BT-W3 | 163.80       | QRC-ID-25-M-NF16-B-W3 | 63.71        |

# Series ID • Dust Protection





| Dimer<br>(""/in) | nsions |       | Material                 | Dust Cap for Male Tip Old Part Numbers |  |
|------------------|--------|-------|--------------------------|--|--|
| D1               | D2     | L     |                          | STAUFF Ordering Codes                  |  |
| 22               | 25     | 210   | Direction (Colores Deed) | ID06-0-RT001                           |  |
| .87              | .98    | 8.27  | Plastic (Colour: Red)    | QRC-ID-06-DM-25-KI-RD                  |  |
| 27               | 24     | 205   | Disable (Onlaws Bad)     | ID10-0-RT001                           |  |
| 1.06             | .94    | 8.07  | Plastic (Colour: Red)    | QRC-ID-10-DM-24-KI-RD                  |  |
| 37               | 33     | 270   | Discharge Park           | ID19-0-RT001                           |  |
| 1.46             | 1.30   | 10.63 | Plastic (Colour: Red)    | QRC-ID-19-DM-33-KI-RD                  |  |
| 41,0             | 39     | 290   | District (Out on Dark    | ID25-0-RT001                           |  |
| 1.61             | 1.54   | 11.42 | Plastic (Colour: Red)    | QRC-ID-25-DM-39-KI-RD                  |  |

| Dimer<br>(mm/in) | nsions |       | Material              | Dust Plug for Female Body Old Part Numbers |
|------------------|--------|-------|-----------------------|--|
| D1               | D2     | L     |                       | STAUFF Ordering Codes                      |
| 25               | 18     | 205   | Disable (Oslave Ded)  | ID06-9-RT001                               |
| .98              | .71    | 8.07  | Plastic (Colour: Red) | QRC-ID-06-DF-18-KI-RD                      |
| 30               | 24     | 235   | Disette (Ostava Dedi  | ID10-9-RT001                               |
| 1.18             | .94    | 9.25  | Plastic (Colour: Red) | QRC-ID-10-DF-24-KI-RD                      |
| 44               | 33     | 270   | Disable (Colour Ded)  | ID19-9-RT001                               |
| 1.73             | 1.30   | 10.63 | Plastic (Colour: Red) | QRC-ID-19-DF-33-KI-RD                      |
| 50               | 39     | 290   | Disable (Colour Ded)  | ID25-9-RT001                               |
| 1.97             | 1.54   | 11.42 | Plastic (Colour: Red) | QRC-ID-25-DF-39-KI-RD                      |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.





### Series BP . Carbon Steel

| Material                  | Carbon Steel                        |  |
|---------------------------|-------------------------------------|--|
| Surface Finishing         | Zinc-Nickel                         |  |
| Standard Seal Material(s) | NBR (Buna-N®), PTFE 2               |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F     |  |
| Valve Design              | Flat Face                           |  |
| Connection                | Push and actuate Push Sleeve        |  |
| Disconnection             | Actuate Push Sleeve                 |  |
| Connect Under Pressure    | not allowed                         |  |
| Application               | Agricultural and Forestry Machinery |  |
| ISO Interchange           | ISO 5676                            |  |

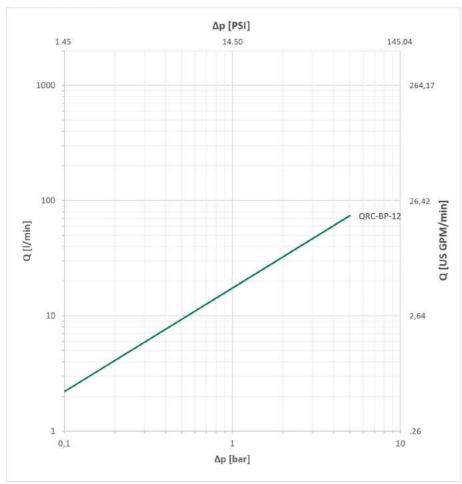


### **Technical Data**

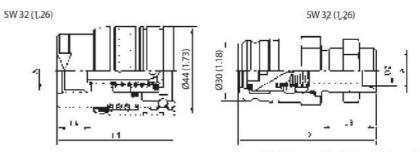
| Series | BG | DN<br>Zoll |                    | Q max |        | Workin | ng Pressure |     | ng Pressure |     | nale Body |     | Male Tip | Spillage | е     |
|--------|----|------------|--------------------|-------|--------|--------|-------------|-----|-------------|-----|-----------|-----|----------|----------|-------|
|        |    | Inch       | metric<br>ISO 4397 | I/min | US GPM | bar    | PSI         | bar | PSI         | bar | PSI       | bar | PSI      | ml       | fl oz |
| BP-12  | 3  | 1/2"       | 12,5               | 70    | 18.49  | 150    | 2175        | 930 | 13489       | 620 | 8992      | 900 | 13053    | 0,05     | .0017 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request,

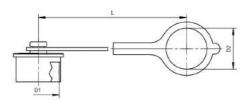


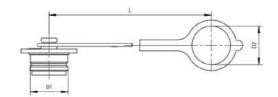
SW: Width across flats. All dimensions in mm (inch).

# Series BP-12 • BG 3 • Nominal Size 12,5

|     | Port A        | Dimensio         | ns          |          |     | Female Body             | Weight       | Male Tip                              | Weight         |
|-----|---------------|------------------|-------------|----------|-----|-------------------------|--------------|---------------------------------------|----------------|
|     |               | (mm/in)          |             |          |     | Old Part Numbers        | (kg/lbs) ca. | Old Part Numbers                      | (kg/lbs) C8    |
|     |               | ØD2 L1           | L2          | L3       | L4  | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes                 | per 100        |
|     | Female Threa  | d according to D | IN 3852     |          |     |                         |              |                                       |                |
| 420 | 0.4/00        | 55               | 5,5         |          | 15  | BP10-1-IGF08            | 38,90        |                                       |                |
|     | G 1/2"        | 2.               | 19          |          | .59 | QRC-BP-12-F-G08-BT-W3   | 85.76        |                                       |                |
| TNI |               | 58               | 5,5         |          | 15  | BP10-1-IMF18            | 40,20        |                                       |                |
|     |               |                  |             |          |     |                         |              |                                       |                |
|     | M18x1,5       | 2.               | 19          |          | ,59 | QRC-BP-12-F-M180R-BT-W3 | 88.63        |                                       |                |
|     | Male Thread v | vith 24° Conical |             | head - S |     | QRC-BP-12-F-M180R-BT-W3 | 88.63        | BP10-2-N1218                          | 14,20          |
|     |               | 1                | Bore - Bulk |          |     |                         | 88.63        | BP10-2-N1218<br>QRC-BP-12-M-12LB-B-W3 | 14,20<br>31.31 |
|     | Male Thread v | vith 24° Conical | Bore - Bulk | 21       |     |                         | 88.63        | - IFO/D/COTOLOGICATO                  |                |

# Series BP • Dust Protection



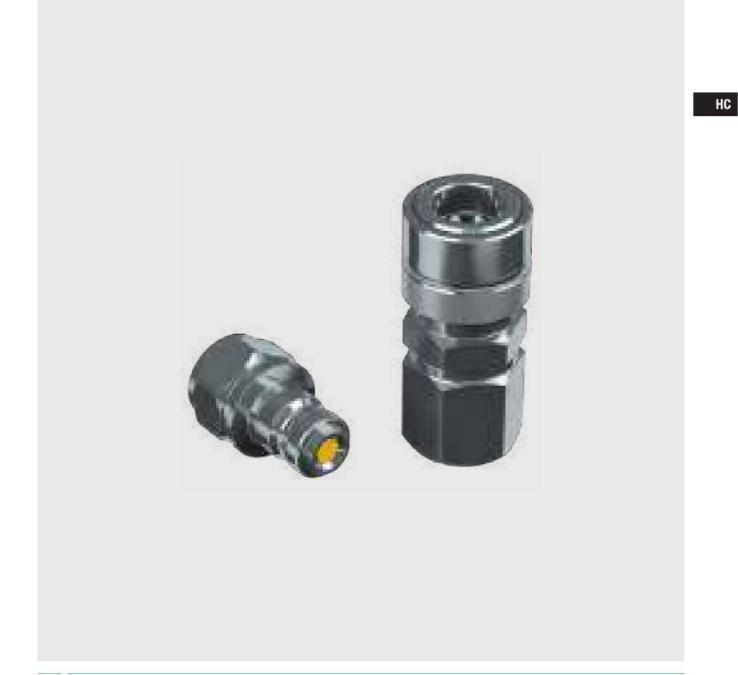


| Dimensions<br>(mm/in) |      |      | Material              | Dust Cap for Male Tip |  |
|-----------------------|------|------|-----------------------|-----------------------|--|
|                       |      |      |                       | Old Part Numbers      |  |
| D1 D2 L               |      | L    |                       | STAUFF Ordering Codes |  |
| 30                    | 29,5 | 185  | Plastic (Colour: Red) | BP10-0-RT001          |  |
| 1.18                  | 1.16 | 7.28 | Plastic (Colour: Red) | QRC-BP-10-DM-30-K-RD  |  |

| Dimensions<br>(mm/in) |         |      | Material              | Dust Plug for Female Body |  |  |  |  |
|-----------------------|---------|------|-----------------------|---------------------------|--|--|--|--|
|                       |         |      |                       | Old Part Numbers          |  |  |  |  |
| D1                    | D1 D2 L |      |                       | STAUFF Ordering Codes     |  |  |  |  |
| 29                    | 29,5    | 185  | Plastic (Colour: Red) | BP10-9-RT001              |  |  |  |  |
| 1.14                  | 1.16    | 7.28 | Plastic (Goldur: Red) | QRC-BP-10-DF-30-K-RD      |  |  |  |  |

# Series HC • Carbon Steel

| Series HC = Overview                   | 96 |
|--|----|
| Series HC-06 • BG 1 • Nominal Size 6,3 | 97 |
| Series HC • Dust Protection            | 97 |



# HC

### Series HC - Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Plating and Thick-Film-Passivation (Chrome III) |  |
| Standard Seal Material(s) | Special compound 2                                   |  |
| Working Temperature       | -35° C +130° C / -31° F +266° F                      |  |
| Valve Design              | Flat Face  |  |
| Connection                | Push and actuate Push Sleeve                         |  |
| Disconnection             | Actuate Push Sleeve                                  |  |
| Connect Under Pressure    | not allowed  |  |
| Application               | Rescue and Tensioning Hydraulics                     |  |
| ISO Interchange           | *  |  |

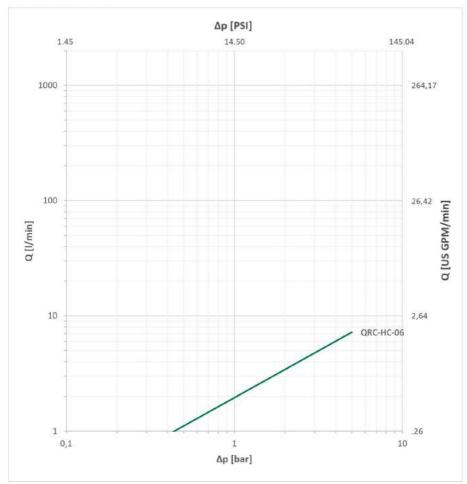


### **Technical Data**

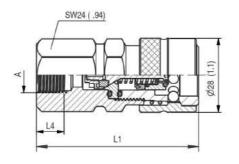
| Series | BG  | DN<br>Zoll | DN<br>metric | Q max          |             | Workin    | g Pressure |      | g Pressure<br>nnected |      | nale Body | N    | ale Tip | Spillage | i.    |
|--------|-----|------------|--------------|----------------|-------------|-----------|------------|------|-----------------------|------|-----------|------|---------|----------|-------|
|        | Inc | Inch       | ISO 4397     | ISO 4397 I/min | /min US GPM | l bar PSI | bar        | PSI  | bar                   | PSI  | bar       | PSI  | ml floz | fl oz    |       |
| HC-06  | 1   | 1/4"       | 6,3          | 6              | 1.58        | 1000      | 14504      | 2500 | 36259                 | 2500 | 36259     | 2500 | 36259   | 0,008    | .0003 |

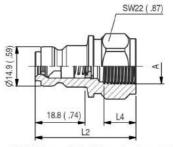
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

# Flow Characteristics



<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



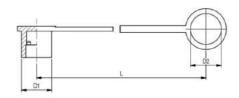


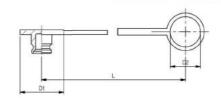
SW: Width across flats. All dimensions in mm (inch).

# Series HC-06 • BG 1 • Nominal Size 6,3

|   | Port A  | Dimens<br>(""/in) | sions |      |         | Female Body Old Part Numbers | Weight                               | Male Tip Old Part Numbers | Weight                               |  |
|---|---|-------------------|-------|------|---------|------------------------------|--------------------------------------|---------------------------|--------------------------------------|--|
|   | ØD.   |                   | L1    | L2   | L3 L4 r | nin STAUFF Ordering Codes    | ( <sup>kg</sup> /lbs) ca.<br>per 100 | STAUFF Ordering Codes     | ( <sup>kg</sup> /lbs) ca.<br>per 100 |  |
|   | Female Thread according to DIN 3852 - ANSI B 1.20.3 |                   |       |      |         |                              |                                      |                           |                                      |  |
|   | C 4 /01   | 77                | 54,3  | 38,1 | 8       | HC06-1-IGF02                 | 17,60                                | HC06-2-IGF02              | 7,80                                 |  |
|   | G 1/8"  |                   | 2.14  | 1.50 | 0.31    | QRC-HC-06-F-G02-Y-W66        | 38.80                                | QRC-HC-06-M-G02-Y-W66     | 17.20                                |  |
|   | G 1/4"  |                   | 61,3  | 38,1 | 12      | HC06-1-IGF04                 | 19,50                                | HC06-2-IGF04              | 7,10                                 |  |
|   |   |                   | 2.41  | 1.50 | 0.47    | QRC-HC-06-F-G04-Y-W66        | 42.99                                | QRC-HC-06-M-G04-Y-W66     | 15.65                                |  |
|   | NPTF 1/4" -18                                       |                   | 58,3  | 35,7 |         | HC06-1-INF04                 | 18,60                                | HC06-2-INF04              | 6,70                                 |  |
| 1 |   |                   | 2.30  | 1.41 |         | QRC-HC-06-F-NF04-Y-W66       | 41.01                                | QRC-HC-06-M-NF04-Y-W66    | 14.77                                |  |
| u | G 3/8"  |                   | 63,3  | 39,6 | 12      | HC06-1-IGF06                 | 19,30                                | HC06-2-IGF06              | 8,40                                 |  |
|   | G 3/8   |                   | 2.49  | 1.56 | 0.47    | QRC-HC-06-F-G06-Y-W66        | 42.55                                | QRC-HC-06-M-G06-Y-W66     | 18.52                                |  |
|   | NOTE O/OF 40  |                   | 60,3  | 39,6 |         | HC06-1-INF06                 | 18,50                                | HC06-2-INF06              | 7,80                                 |  |
|   | NPTF 3/8" -18                                       |                   | 2.37  | 1.56 |         | QRC-HC-06-F-NF06-Y-W66       | 40.79                                | QRC-HC-06-M-NF06-Y-W66    | 17.20                                |  |

# Series HC • Dust Protection





| Dimensions |      |      | Material              | Dust Cap for Male Tip |
|------------|------|------|-----------------------|-----------------------|
| (mm/in)    |      |      |                       | Old Part Numbers      |
| D1         | D2   | L    |                       | STAUFF Ordering Codes |
| 29         | 22.5 | 110  | Dinatia (Calauri Dad) | HC06-0-RT001          |
| 1.14       | .89  | 4.33 | Plastic (Colour: Red) | QRC-HC-06-DM-23-KI-RD |

| Dimensions<br>(==/in)<br>D1 D2 L |      |      | Material                | Old Part Numbers      |  |  |  |
|----------------------------------|------|------|-------------------------|-----------------------|--|--|--|
|                                  |      | L    |                         | STAUFF Ordering Codes |  |  |  |
| 29                               | 20,5 | 110  | Directio (Onlesson Book | HC06-9-RT001          |  |  |  |
| 1.14                             | .81  | 4.33 | Plastic (Colour; Red)   | QRC-HC-06-DF-21-KI-RD |  |  |  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series HD • Carbon Steel

| Series HD = Overview                   | 100 |
|--|-----|
| Series HD-06 • BG 1 • Nominal Size 6,3 | 101 |
| Series HD • Dust Protection            | 101 |



### Series HD • Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Plating and Thick-Film-Passivation (Chrome III) |  |
| Standard Seal Material(s) | Special compound 2                                   |  |
| Working Temperature       | -35° C +130° C / -31° F +266° F                      |  |
| Valve Design              | Flat Face  |  |
| Connection                | Push and actuate Push Sleeve                         |  |
| Disconnection             | Actuate Push Sleeve                                  |  |
| Connect Under Pressure    | not allowed  |  |
| Application               | Rescue and Tensioning Hydraulics                     |  |
| ISO Interchange           | *  |  |



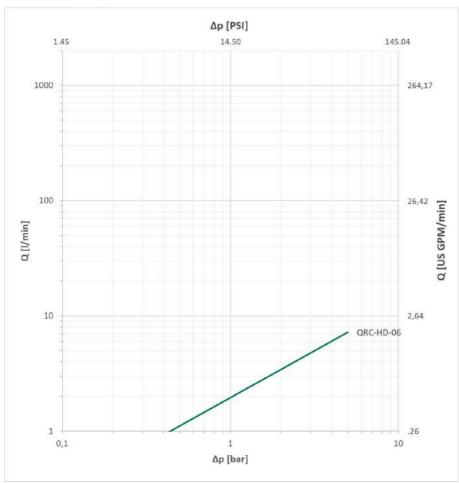
### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q <sub>max</sub> |        | Workin | g Pressure |      | g Pressure<br>nnected |      | nale Body | N    | ale Tip | Spillage |       |
|--------|----|------------|--------------|------------------|--------|--------|------------|------|-----------------------|------|-----------|------|---------|----------|-------|
|        |    | Inch       | ISO 4397     | I/min            | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml       | fl oz |
| HD-06  | 1  | 1/4"       | 6,3          | 6                | 1.58   | 1500   | 21756      | 3500 | 50763                 | 3500 | 50763     | 3500 | 50763   | 0,008    | .0003 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

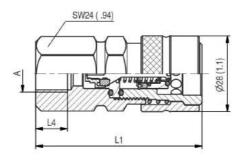
# HD

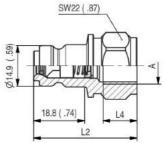
### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



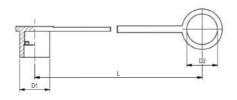


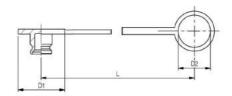
SW: Width across flats. All dimensions in mm (inch).

# Series HD-06 • BG 1 • Nominal Size 6,3

|             | Port A          | Dimer    | nsions   |          |           |        | Female Body            | Weight       | Male Tip               | Weight      |
|-------------|-----------------|----------|----------|----------|-----------|--------|------------------------|--------------|------------------------|-------------|
|             |                 | (mm/in)  |          |          |           |        | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers       | (kg/lbs) ca |
|             |                 | ØD2      | L1       | L2       | L3        | L4 min | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|             | Female Thread a | ccording | to DIN : | 3852 - A | NSI B 1.2 | 0.3    |                        |              |                        |             |
| Mategoria - | 0.4/41          |          | 61,3     | 38,1     |           | 12     | HD06-1-IGF04           | 19,60        | HD06-2-IGF04           | 7,10        |
|             | G 1/4"          |          | 2.41     | 1.50     |           | 0.47   | QRC-HD-06-F-G04-Y-W66  | 43.21        | QRC-HD-06-M-G04-Y-W66  | 15.65       |
| 1111        | NOTE 4 (4), 40  |          | 58,3     | 35,7     |           |        | HD06-1-INF04           | 18,60        | HD06-2-INF04           | 6,60        |
| 1           | NPTF 1/4" -18   |          | 2.30     | 1.41     |           |        | QRC-HD-06-F-NF04-Y-W66 | 41.01        | QRC-HD-06-M-NF04-Y-W66 | 14.55       |

# Series HD • Dust Protection





| Dime    | nsions |      | Material                 | Dust Cap for Male Tip |  |
|---------|--------|------|--------------------------|-----------------------|--|
| (mm/in) |        |      |                          | Old Part Numbers      |  |
| D1      | D2     | L    |                          | STAUFF Ordering Codes |  |
| 29      | 22,5   | 110  | Disable (Onlesse Disable | HD06-0-SW001          |  |
| 1.14    | .89    | 4.33 | Plastic (Colour: Black)  | QRC-HD-06-DM-23-KI-BK |  |

| Dimer   | nsions |      | Material                 | Dust Plug for Female Body |
|---------|--------|------|--------------------------|---------------------------|
| (mm/in) |        |      |                          | Old Part Numbers          |
| D1      | D2     | L    |                          | STAUFF Ordering Codes     |
| 29      | 20,5   | 110  | Disable (Colour Disable) | HD06-9-SW001              |
| 1.14    | .81    | 4.33 | Plastic (Colour: Black)  | QRC-HD-06-DF-21-KI-BK     |

# Series HUS • Carbon Steel

| Series HUS - Overview                    | 104 |
|--|-----|
| Series HUS-10 = BG 2 = Nominal Size 10   | 105 |
| Series HUS-12 = BG 3 = Nominal Size 12,5 | 105 |
| Series HUS-19 = BG 6 = Nominal Size 19   | 105 |
| Series HUS-25 • BG 8 • Nominal Size 25   | 105 |



#### Series HUS . Carbon Steel

| Material                  | Carbon Steel                                 |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Nickel                                  |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2                              |  |
| Working Temperature       | -40° C +106° C / -40° F +223° F              |  |
| Valve Design              | Poppet Valve                                 |  |
| Connection                | Push   |  |
| Disconnection             | Actuate Push Sleeve                          |  |
| Connect Under Pressure    | Male Tip/Female Body                         |  |
| Application               | Construction Machinery, Industrial Hydraulic |  |
| ISO Interchange           | • ************************************       |  |



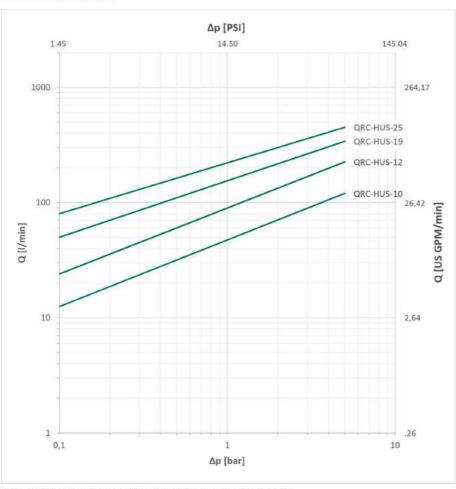
### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | M    | ale Tip | Spillage | e     |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|---------|----------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml       | fl oz |
| HUS-10 | 2  | 3/8"       | 10           |       |        | 350    | 5075       | 1500 | 21750                 | 1450 | 21025     | 1500 | 21750   |          |       |
| HUS-12 | 3  | 1/2"       | 12,5         |       |        | 315    | 4567.5     | 1300 | 18850                 | 1200 | 17400     | 1250 | 18125   |          |       |
| HUS-19 | 6  | 3/4"       | 19 (20)      |       |        | 300    | 4350       | 1250 | 18125                 | 1200 | 17400     | 1250 | 18125   |          |       |
| HUS-25 | 8  | 1"         | 25           |       |        | 260    | 3770       | 1100 | 15950                 | 1000 | 14500     | 1100 | 15950   |          |       |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

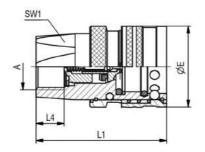
### Flow Characteristics

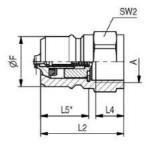




Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.





SW: Width across flats. All dimensions in mm (inch).

### Series HUS-10 • BG 2 • Nominal Size 10

|              | ØF      | L1     | L2       | L4 min      | L5             | SW1 | SW2                  | STAUFF Ordering Codes   | per 100                                      | Old Part Numbers<br>STAUFF Ordering Codes          | (kg/lbs) ca.<br>per 100   |
|--------------|---------|--------|----------|-------------|----------------|-----|----------------------|-------------------------|--|--|---|
| ead accordin | g to DI | N 3852 | 2 - AN   | SI B 1.20.  | 3              |     |                      |                         |  |  |   |
| 34           | 20      | 60     | 38       | 12          | 23             | 24  | 22                   | HUS10-1-IGF06           | 224,7  | HUS10-2-IGF06                                      | 60  |
| 1.3          | .8      | 2.4    | 1.5      | .47         | .91            | .9  | .9                   | QRC-HUS-10-F-G06-BT-W3  | 495,38                                       | QRC-HUS-10-M-G06-B-W3                              | 132,28  |
|              | 34      | 34 20  | 34 20 60 | 34 20 60 38 | 34 20 60 38 12 |     | 34 20 60 38 12 23 24 | 34 20 60 38 12 23 24 22 | 34 20 60 38 12 23 24 22 <b>HUS10-1-IGF06</b> | 34 20 60 38 12 23 24 22 <b>HUS10-1-IGF06</b> 224.7 | 34 20 60 38 12 23 24 22 <b>HUS10-1-IGF06</b> 224.7 <b>HUS10-2-IGF06</b> |

# Series HUS-12 • BG 3 • Nominal Size 12,5

|          | Port A       | Dim         | ension  | IS     |         |           |      |     |     | Female Body            | Weight       | Male Tip              | Weight       |
|----------|--------------|-------------|---------|--------|---------|-----------|------|-----|-----|------------------------|--------------|-----------------------|--------------|
|          |              | (mm/ir      | ()      |        |         |           |      |     |     | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers      | (kg/ltm) ca. |
|          |              | ØE          | ØF      | L1     | L2      | L4 min    | L5   | SW1 | SW2 | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
|          | Female Threa | d according | g to DI | N 3852 | 2 - ANS | I B 1.20. | 3    |     |     |                        |              |                       |              |
|          | G 1/2"       | 40          | 25      | 65,5   | 41,5    | 14        | 24,5 | 30  | 27  | HUS12-1-IGF08          | 317,68       | HUS12-2-IGF08         | 105,45       |
| <b>P</b> | G 1/2        | 1.6         | 1.0     | 2.6    | 1.6     | .55       | .96  | 1.2 | 1.1 | QRC-HUS-12-F-G08-BT-W3 | 700.36       | QRC-HUS-12-M-G08-B-W3 | 232,48       |

### Series HUS-19 • BG 6 • Nominal Size 19

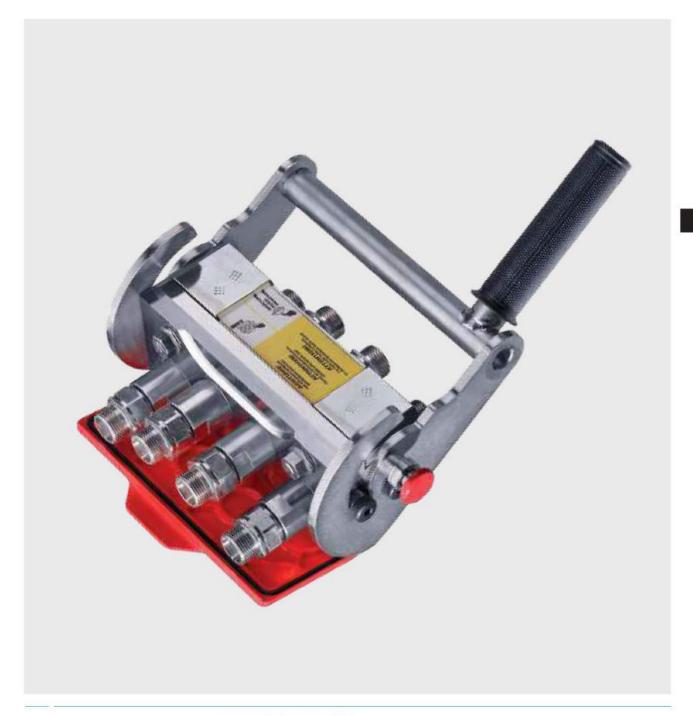
|                      | Port A        | Dime<br>(mm/ <sub>in</sub> )<br>ØE | ension<br>)<br>ØF | ls<br>L1 | L2      | L4 min     | L5   | SW1 | SW2 | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/lbs) C8.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(ks/nbs) ca<br>per 100 |
|----------------------|---------------|------------------------------------|-------------------|----------|---------|------------|------|-----|-----|--|-----------------------------------|---|----------------------------------|
|                      | Female Thread | according                          | to DI             | N 3852   | 2 - ANS | SI B 1.20. | 3    |     |     |  |                                   |   |                                  |
|                      | G 3/4"        | 52                                 | 33                | 74,5     | 46,5    | 16         | 28,5 | 38  | 36  | HUS19-1-IGF12                                      | 585                               | HUS19-2-IGF12                                   | 185                              |
| $\exists \mathbb{R}$ | G 3/4         | 2.0                                | 1.3               | 2.9      | 1.8     | .63        | 1.12 | 1.5 | 1.4 | QRC-HUS-19-F-G12-BT-W3                             | 1289,70                           | QRC-HUS-19-M-G12-B-W3                           | 407,86                           |

# Series HUS-25 • BG 8 • Nominal Size 25

|     | Port A       | Dime<br>(""/in | ension<br>) | IS     |       |            |      |     |     | Female Body<br>Old Part Numbers | Weight ( <sup>kg</sup> ,‱) ca. | Male Tip Old Part Numbers | Weight (%9/lbn) ca |
|-----|--------------|----------------|-------------|--------|-------|------------|------|-----|-----|---------------------------------|--------------------------------|---------------------------|--------------------|
|     |              | ØE             | ØF          | L1     | L2    | L4 min     | L5   | SW1 | SW2 | STAUFF Ordering Codes           | per 100                        | STAUFF Ordering Codes     | per 100            |
|     | Female Threa | d according    | to DI       | N 3852 | - ANS | SI B 1.20. | 3    |     |     |                                 |                                |                           |                    |
|     | G 1"         | 62             | 41          | 88,5   | 54.5  | 18         | 35   | 45  | 46  | HUS25-1-IGF16                   | 939                            | HUS25-2-IGF16             | 339                |
| (A) | 0 1          | 2.4            | 1.6         | 3.5    | 2.1   | .71        | 1.38 | 1.8 | 1.8 | QRC-HUS-25-F-G16-BT-W3          | 2070,14                        | QRC-HUS-25-M-G16-B-W3     | 747,37             |

# **Series MK**

| Series MK • Overview                      | 108 |
|---|-----|
| Series MK-Q-10/4 * BG 2 * Nominal Size 10 | 109 |
| Series MK-R-10/4 • BG 2 • Nominal Size 10 | 110 |



#### Series MK

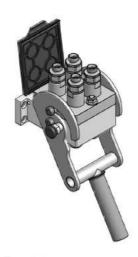
#### Description

The multi-coupling has been created for connecting and disconnecting several hydraulic lines at the same time. This is done by an operating lever the guide crank of which is designed for a minimum of operating force.

The connection of the hydraulic lines is done with flat face couplings. Due to the secial sealing it is possible to couple against trapped pressure on the male halves (max. 4x100 bar / 4x1450 PSI)

The main features of the multi coupling are:

- Safety against commutability of hydraulic lines
- Quick connecting
- Coupling against trapped pressure
- Optimally minimized spillage during coupling process





#### Spare Parts

The following list shows the spare parts available for the line of the multi-coupling products. They are supplied in form of kits, including detailed removal and installation instructions:

| Description                 | MK 24                  | MK 74                  |
|-----------------------------|------------------------|------------------------|
|                             | Old Part Numbers       | Old Part Numbers       |
|                             | STAUFF Ordering Codes  | STAUFF Ordering Codes  |
| On avertion Leves Lift      | MU20-1-KIT001          | MU70-1-KIT001          |
| Operating lever kit         | QRC-MK-Q-10/4-SP-0L-W3 | QRC-MK-R-10/4-SP-0L-W3 |
| Color to the                | MU20-1-KIT002          | MU20-1-KIT002          |
| Safety lock kit             | QRC-MK-Q-10/4-SP-SL-W3 | QRC-MK-Q-10/4-SP-SL-W3 |
| Don't work and and last 1/4 | MU20-1-KIT003          | MU70-1-KIT004          |
| Dust protection kit         | QRC-MK-Q-10/4-SP-DP-K  | QRC-MK-R-10/4-SP-DP-K  |
| Family assetted             | EK08-1-XXXX*           | EK08-1-XXXX*           |
| Female coupling             | QRC-EK-10-F-XXX-BT-W3  | QRC-EK-10-F-XXX-BT-W3  |
| Controlno Ingle Lie         | MU20-2-KIT001          | MU20-2-KIT001          |
| Centering bolt kit          | QRC-MK-Q-10/4-SP-CB-W3 | QRC-MK-Q-10/4-SP-CB-W3 |
| Colds server bla            | MU20-2-KIT002          | MU20-2-KIT002          |
| Guide screw kit             | QRC-MK-Q-10/4-SP-GS-W4 | QRC-MK-Q-10/4-SP-GS-W4 |
| Male securities             | EK08-2-XXXX*           | EK08-2-XXXX*           |
| Male coupling               | QRC-EK-10-M-XXX-BP-W3  | QRC-EK-10-M-XXX-BP-W3  |
| Cool Lit /OO ooo \          | MU20-2-KIT003          | MU20-2-KIT003          |
| Seal kit (20 pcs.)          | QRC-EK-10-MSK-PU       | QRC-EK-10-MSK-PU       |
|                             |                        |                        |



#### **Working Pressure**

250 bar / 25 MPa / 3626 PSI (2 x 250 bar, 2 x 40 bar)

#### Material

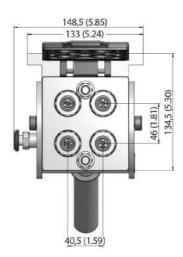
Steel

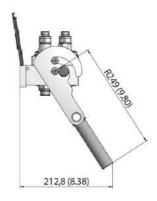
#### **Surface Finishing**

Zinc-Nickel

#### Standard Seal Material(s)

NBR (Buna-N®), PTFE, PU





SW: Width across flats. All dimensions in mm (inch).

# Series MK-Q-10/4 24 \* BG 2 \* Nominal Size 10

|                      | Port A        | Dimensions      | Fixed half                        | Weight       | Mobile half                 | Weight                    | Multicoupling System        | Weight       |
|----------------------|---------------|-----------------|-----------------------------------|--------------|-----------------------------|---------------------------|-----------------------------|--------------|
|                      |               | (mm/in)         | Old Part Numbers                  | (kp/hbs) Ca. | Old Part Numbers            | ( <sup>leg</sup> пье) са. | Old Part Numbers            | (kq/lbs) ca. |
|                      |               | ØD2             | STAUFF Ordering Codes             | per 100      | STAUFF Ordering Codes       | per 100                   | STAUFF Ordering Codes       | per 100      |
|                      | Female Threa  | d according to  | DIN 3852-2-A - ANSI B 1.20.3      |              |                             |                           |                             |              |
|                      | 0.0/04        |                 | MK24-1-IGF06                      | 581          | MK24-2-IGF06                | 283                       | MK24-8-IGF06                | 864          |
| $\exists \mathbb{R}$ | G 3/8"        |                 | QRC-MK-Q-10/4-FP-G06-BT-W3        | 1280.89      | QRC-MK-Q-10/4-MP-G06-BP-W3  | 623.91                    | QRC-MK-Q-10/4-CC-G06-S1-W3  | 1904.79      |
| TH 4                 | C 4 (D)       |                 | MK24-1-IGF08                      | 581          | MK24-2-IGF08                | 283                       | MK24-8-IGF08                | 864          |
| 1                    | G 1/2"        |                 | QRC-MK-Q-10/4-FP-G08-BT-W3        | 1280.89      | QRC-MK-Q-10/4-MP-G08-BP-W3  | 623.91                    | QRC-MK-Q-10/4-CC-G08-S1-W3  | 1904.79      |
| 14                   | NPTF 1/2" -14 |                 | MK24-1-INF08                      | 581          | MK24-2-INF08                | 283                       | MK24-8-INF08                | 864          |
|                      | NP1F 1/2 -14  |                 | QRC-MK-Q-10/4-FP-NF08-BT-W3       | 1280.89      | QRC-MK-Q-10/4-MP-NF08-BP-W3 | 623.91                    | QRC-MK-Q-10/4-CC-NF08-S1-W3 | 1904.79      |
|                      | Male Thread v | with 24° Conica | I Bore - Shape W according to DIN | 3861         |                             |                           |                             |              |
|                      | M16x1.5       | 10L             | MK24-1-L1016                      | 557          | MK24-2-L1016                | 259                       | MK24-8-L1016                | 816          |
| 11                   | MIDXI,S       | TOL             | QRC-MK-Q-10/4-FP-10L-BT-W3        | 1227.98      | QRC-MK-Q-10/4-MP-10L-BP-W3  | 571.00                    | QRC-MK-Q-10/4-CC-10L-S1-W3  | 1798.97      |
|                      | Mit Out E     | 301             | MK24-1-L1218                      | 565          | MK24-2-L1218                | 259                       | MK24-8-L1218                | 824          |
| 1                    | M18x1,5       | 12L             | QRC-MK-Q-10/4-FP-12L-BT-W3        | 1245.61      | QRC-MK-Q-10/4-MP-12L-BP-W3  | 571.00                    | QRC-MK-Q-10/4-CC-12L-S1-W3  | 1816.61      |
| LL-4 81 4            | Mood E        | 451             | MK24-1-L1522                      | 565          | MK24-2-L1522                | 267                       | MK24-8-L1522                | 832          |
| 722                  | M22x1,5       | 15L             | QRC-MK-Q-10/4-FP-15L-BT-W3        | 1245.61      | QRC-MK-Q-10/4-MP-15L-BP-W3  | 588.63                    | QRC-MK-Q-10/4-CC-15L-S1-W3  | 1834.25      |
|                      |               |                 | MK24-1-L1826                      | 581          | MK24-2-L1826                | 267                       | MK24-8-L1826                | 0.40         |
|                      | M26x1,5       | 18L             |                                   |              |                             |                           |                             | 848          |

250 bar / 25 MPa / 3626 PSI (2 x 250 bar, 2 x 40 bar)

Material

Steel

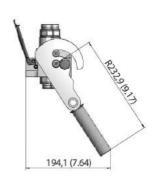
**Surface Finishing** 

Zinc-Nickel

Standard Seal Material(s)

NBR (Buna-N®), PTFE, PU





SW: Width across flats. All dimensions in mm (inch).

# Series MK-R-10/4 • BG 2 • Nominal Size 10

|         | Port A          | Abmessung       | Fixed half                                 | Weight                  | Mobile half                 | Weight      | Multicoupling System        | Weight          |
|---------|-----------------|-----------------|--|-------------------------|-----------------------------|-------------|-----------------------------|-----------------|
|         |                 | (mm/in)         | Old Part Numbers                           | ( <sup>kg</sup> /њ) са. | Old Part Numbers            | (kg/be) Ca. | Old Part Numbers            | (kg/lbs) Ca.    |
|         |                 | ØD2             | STAUFF Ordering Codes                      | per 100                 | STAUFF Ordering Codes       | per 100     | STAUFF Ordering Codes       | per 100         |
|         | Female Thread   | according to D  | IN 3852-2-A - ANSI B 1.20.3                |                         |                             |             |                             |                 |
|         | 00.00           |                 | MK74-1-IGF06                               | 682                     | MK74-2-IGF06                | 334         | MK74-8-IGF06                | 1016            |
| ∃Pi     | G3/8"           |                 | QRC-MK-R-10/4-FP-G06-BT-W3                 | 1503.55                 | QRC-MK-R-10/4-MP-G06-BP-W3  | 736.34      | QRC-MK-R-10/4-CC-G06-S1-W3  | 2239.90         |
| N 4     | 0.4 (0)         |                 | MK74-1-IGF08                               | 680                     | MK74-2-IGF08                | 332         | MK74-8-IGF08                | 1012            |
|         | G 1/2"          |                 | QRC-MK-R-10/4-FP-G08-BT-W3                 | 1499.14                 | QRC-MK-R-10/4-MP-G08-BP-W3  | 731.93      | QRC-MK-R-10/4-CC-G08-S1-W3  | 2231.08         |
| 14      | NETT 4 (OIL 4.4 |                 | MK74-1-INF08                               | 678                     | MK74-2-INF08                | 330         | MK74-8-INF08                | 1008            |
|         | NPTF 1/2" -14   |                 | QRC-MK-R-10/4-FP-NF08-BT-W3                | 1494.73                 | QRC-MK-R-10/4-MP-NF08-BP-W3 | 727.53      | QRC-MK-R-10/4-CC-NF08-S1-W3 | 2222.26         |
|         | Male Thread w   | ith 24° Conical | Bore - Shape W according to DIN            | 3861                    |                             |             |                             |                 |
|         | HIGH E          | 10L             | MK74-1-L1016                               | 669                     | MK74-2-L1016                | 321         | MK74-8-L1016                | 990             |
| 71      | M16x1,5         | TOL             | QRC-MK-R-10/4-FP-10L-BT-W3                 | 1474.89                 | QRC-MK-R-10/4-MP-10L-BP-W3  | 707.68      | QRC-MK-R-10/4-CC-10L-S1-W3  | 2182.58         |
|         | Manual E        | 12L             | MK74-1-L1218                               | 669                     | MK74-2-L1218                | 321         | MK74-8-L1218                | 990             |
| 1       | M18x1,5         | 12L             | QRC-MK-R-10/4-FP-12L-BT-W3                 | 1474.89                 | QRC-MK-R-10/4-MP-12L-BP-W3  | 707.68      | QRC-MK-R-10/4-CC-12L-S1-W3  | 2182.58         |
| 454 214 | M22x1,5         | 15L             | MK74-1-L1522                               | 672                     | MK74-2-L1522                | 324         | MK74-8-L1522                | 996             |
|         |                 |                 |  | 4 404 54                | ODO MIL D 4011 MD 451 DD WO | 74 4 00     | 000 MIV D 40/4 00 451 04 MO |                 |
| 4000    | THE LOT 1 S     | 1.04            | QRC-MK-R-10/4-FP-15L-BT-W3                 | 1481.51                 | QRC-MK-R-10/4-MP-15L-BP-W3  | / 14.50     | QRC-MK-R-10/4-CC-15L-S1-W3  | 2195.80         |
| 4009    | M26x1,5         | 18L             | QRC-MK-R-10/4-FP-15L-BT-W3<br>MK74-1-L1826 | 674                     | MK74-2-L1826                | 326         | MK74-8-L1826                | 2195.80<br>1000 |

MK

# Series HS • Carbon Steel

| Series HS • Overview                    | 114     | Series HS-38 = BG 12 = Nominal Size 38 | 122 |
|---|---------|--|-----|
| Series HS-06 = BG 1 = Nominal Size 6,3  | 115     | Series HS • Special Designs            | 123 |
| Series HS-10 * BG 2 * Nominal Size 10   | 116     | Series HS • Dust Protection            | 124 |
| Series HS-12 • BG 3 • Nominal Size 12,5 | 117-118 |  |     |
| Series HS-19 • BG 6 • Nominal Size 19   | 119     |  |     |
| Series HS-25 • BG 8 • Nominal Size 25   | 120     |  |     |



### Series HS . Carbon Steel

| Material                  | Carbon Steel  |  |
|---------------------------|---|--|
| Surface Finishing         | Zinc-Plating and Thick-Film-Passivation (Chrome III)              |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2   |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                                   |  |
| Valve Design              | Poppet Valve  |  |
| Connection                | Screw   |  |
| Disconnection             | Screw   |  |
| Connect Under Pressure    | Male Tip/Female Body up to 33% of the Working Pressure with Tools |  |
| Application               | Construction Machinery  |  |
| ISO Interchange           | ISO 14541 (BG 1-6)  |  |

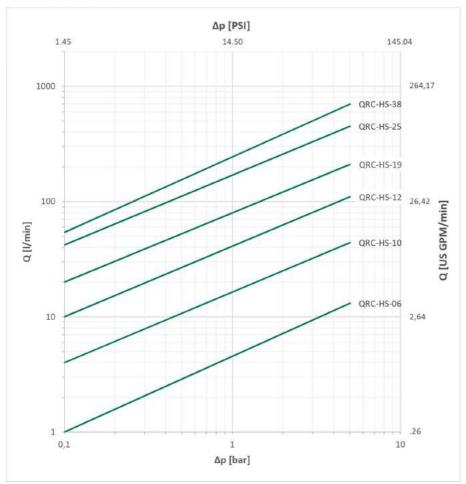


### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | lale Tip | Spillage | 3      |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| HS-06  | 1  | 1/4"       | 6,3          | 20    | 5.28   | 450    | 6527       | 1800 | 26107                 | 1400 | 20305     | 1400 | 20305    | 0,8      | .0271  |
| HS-10  | 2  | 3/8"       | 10           | 40    | 10.57  | 450    | 6527       | 1600 | 23206                 | 1750 | 25382     | 1550 | 22481    | 1,3      | .0440  |
| HS-12  | 3  | 1/2"       | 12,5         | 80    | 21.13  | 400    | 5801       | 1400 | 20305                 | 1200 | 17404     | 1200 | 17404    | 3,1      | .1048  |
| HS-19  | 6  | 3/4"       | 19           | 120   | 31.70  | 400    | 5801       | 1500 | 21756                 | 1600 | 23206     | 1200 | 17404    | 5,6      | .1894  |
| HS-25  | 8  | 1"         | 25           | 160   | 42.27  | 300    | 4351       | 1180 | 17114                 | 1500 | 21756     | 1100 | 15954    | 12,3     | .4159  |
| HS-38  | 12 | 1 1/2"     | 38           | 220   | 58.12  | 350    | 5076       | 1800 | 26107                 | 1600 | 23206     | 1200 | 17404    | 52,3     | 1.7685 |

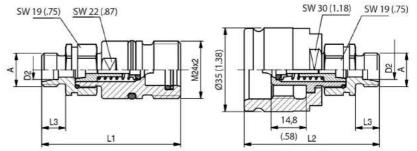
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

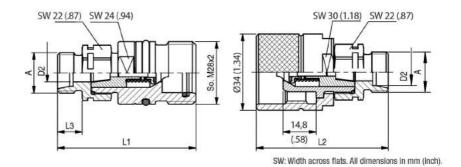
<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request,



SW: Width across flats. All dimensions in mm (inch).

# Series HS-06 • BG 1 • Nominal Size 6,3

|          | Port A           | Dime<br>(""/ <sub>in</sub> )<br>ØD2 |            | L2         | L3       | L4       | Pemale Body Old Part Numbers STAUFF Ordering Codes | Weight (*9/tos) ca. per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>( <sup>lq</sup> /lbs) ca<br>per 100 |
|----------|------------------|-------------------------------------|------------|------------|----------|----------|--|-----------------------------|---|---|
|          | Female Thread a  | according                           | to DIN 3   | 852-2-     | A - ANS  | I B 1.20 |  |                             |   |   |
| -8-      | C 4 /41          |                                     | 60         | 59         |          | 13       | HS04-1-IGF04                                       | 12                          | HS04-2-IGF04                                    | 18,20   |
| -P1      | G 1/4"           |                                     | 2.36       | 2.32       |          | .51      | QRC-HS-06-F-G04-BT-W66                             | 26.46                       | QRC-HS-06-M-G04-BT-W66                          | 40.12   |
| TH.      | NPTF 1/4" -18    |                                     | 60         | 59         |          |          | HS04-1-INF04                                       | 12                          | HS04-2-INF04                                    | 19  |
| 1        | NP1P 1/4 -10     |                                     | 2.36       | 2.32       |          |          | QRC-HS-06-F-NF04-BT-W66                            | 26.46                       | QRC-HS-06-M-NF04-B-W66                          | 41.89   |
|          | Male Thread wit  | th 24° Con                          | ical Bor   | e - Shap   | e W ac   | cording  | to DIN 3861  |                             |   |   |
|          | male Illiedu Wit | 11 24 0011                          |            | - 107      | 10       | cording  |  | 40.40                       |   | 40.70   |
| <u> </u> | M14x1,5          | 8L                                  | 58<br>2.28 | 57<br>2.24 | .39      |          | HS04-1-L0814<br>QRC-HS-06-F-08L-BT-W66             | 12,10<br>26.68              | HS04-2-L0814<br>QRC-HS-06-M-08L-B-W66           | 18,70<br>41.23                                |
| 3 <      |                  |                                     |            |            |          |          |  |                             |   |   |
|          | Male Thread wit  | h 24° Con                           | ical Bor   | e - Bulk   | head - : | Shape \  | V according to DIN 3861                            | 13,70                       | HS04-2-N0814                                    | 20,30   |
|          | M14x1,5          | 8L                                  | 2.87       | 2.83       | .98      | -        | ORC-HS-06-F-08LB-BT-W66                            | 30.20                       | QRC-HS-06-M-08LB-B-W66                          | 44.75   |
|          |                  |                                     |            |            |          |          |  |                             |   |   |



Series HS-10 - BG 2 - Nominal Size 10

|        | Port A           |           | nsions   |          |         |         | Female Body             | Weight       | Male Tip                | Weigh                   |
|--------|------------------|-----------|----------|----------|---------|---------|-------------------------|--------------|-------------------------|-------------------------|
|        |                  | (mm/in)   | 12.5     | 10.00    |         | 557%    | Old Part Numbers        | (kg/tos) ca. | Old Part Numbers        | ( <sup>k0</sup> /lbs) C |
|        |                  | ØD2       | L1       | L2       | L3      | L4      | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes   | per 10                  |
|        | Male Thread acc  | ording to | DIN ISO  | 8434-1   |         |         |                         |              |                         |                         |
|        | 0.0/01           |           | 65       | 62       | 12      |         | HS08-1-AGF06            | 16,90        | HS08-2-AGF06            | 18,10                   |
| T***   | G 3/8"           |           | 2.56     | 2.44     | .47     |         | QRC-HS-10-F-B06-BT-W66  | 37.26        | QRC-HS-10-M-B06-B-W66   | 39.90                   |
| Tr.    | 115 F O/All 40   |           | 67       | 53       | 17      |         | HS08-1-AUF08            | 16           | HS08-2-AUF08            | 17,50                   |
|        | UNF 3/4" -16     |           | 2.65     | 2.07     | .65     |         | QRC-HS-10-F-J12-BT-W66  | 35.27        | QRC-HS-10-M-J08-B-W66   | 38.58                   |
|        |                  |           |          |          |         |         |                         |              |                         |                         |
|        | Female Thread a  | ccording  | to DIN 3 | 852-2-4  | A - ISO | 9974-1  | - ANSI B 1.20.3         |              |                         |                         |
|        | 047411           |           | 64       | 61       |         | 13      | HS08-1-IGF04            | 18           | HS08-2-IGF04            | 19,20                   |
|        | G1/4"            |           | 2.52     | 2.40     |         | .51     | QRC-HS-10-F-G04-BT-W66  | 39.68        | QRC-HS-10-M-G04-B-W66   | 42.33                   |
| □P1    | 00.00            |           | 64       | 61       |         | 13      | HS08-1-IGF06            | 17,20        | HS08-2-IGF06            | 18,40                   |
| ☐H <   | G3/8"            |           | 2.52     | 2.40     |         | .51     | QRC-HS-10-F-G06-BT-W66  | 37.92        | QRC-HS-10-M-G06-B-W66   | 40.57                   |
| 1      |                  |           | 64       | 61       |         | 13      | HS08-1-IMF16            | 16,10        | HS08-2-IMF16            | 17,40                   |
| 14     | M16x1,5          |           | 2.52     | 2.40     |         | .51     | QRC-HS-10-F-M16-BT-W66  | 35.49        | QRC-HS-10-M-M16-B-W66   | 38.36                   |
|        | NOTE O 101 40    |           | 64       | 61       |         |         | HS08-1-INF06            | 17,30        | HS08-2-INF06            | 18,50                   |
|        | NPTF 3/8" -18    |           | 2.52     | 2.40     |         |         | QRC-HS-10-F-NF06-BT-W66 | 38.14        | QRC-HS-10-M-NF06-B-W66  | 40.79                   |
|        | Male Thread with | h 24° Con | ical Bor | e - Shap | e W ac  | cording | to DIN 3861             |              |                         |                         |
|        | M14x1,5          | 8L        | 61       | 58       | 10      |         | HS08-1-L0814            | 14,40        | HS08-2-L0814            | 15,80                   |
|        | W14A1,U          | ŌĹ        | 2.39     | 2.28     | .39     |         | QRC-HS-10-F-08L-BT-W66  | 31,75        | QRC-HS-10-M-08L-B-W66   | 34.83                   |
|        | M4Cv4 E          | 10L       | 62       | 59       | 11      |         | HS08-1-L1016            | 15,80        | HS08-2-L1016            | 16,90                   |
| 13     | M16x1,5          | TUL       | 2.43     | 2.32     | .43     |         | QRC-HS-10-F-10L-BT-W66  | 34.83        | QRC-HS-10-M-10L-B-W66   | 37.26                   |
|        | 140-4-5          | 12L       | 62       | 59       | 11      |         | HS08-1-L1218            | 16           | HS08-2-L1218            | 17,20                   |
| 1      | M18x1,5          | 12L       | 2.43     | 2.32     | .43     |         | QRC-HS-10-F-12L-BT-W66  | 35.27        | QRC-HS-10-M-12L-B-W66   | 37.92                   |
| 11 3 4 | 140.45           | 00        | 63       | 60       | 12      |         | HS08-1-S0816            | 16,30        | HS08-2-S0816            | 17,40                   |
| 72     | M16x1,5          | 8S        | 2.47     | 2.36     | .47     |         | QRC-HS-10-F-08S-BT-W66  | 35.94        | QRC-HS-10-M-08S-B-W66   | 38.36                   |
| -      | 1440 4 5         | 400       | 63       | 60       | 12      |         | HS08-1-S1018            | 16,40        | HS08-2-S1018            | 17,60                   |
|        | M18x1,5          | 108       | 2.47     | 2.36     | .47     |         | QRC-HS-10-F-10S-BT-W66  | 36.16        | QRC-HS-10-M-10S-B-W66   | 38.80                   |
|        | 1400 4 5         | 4.00      | 63       | 60       | 12      |         | HS08-1-S1220            | 15,40        | HS08-2-S1220            | 17,90                   |
|        | M20x1,5          | 12S       | 2.47     | 2.36     | .47     |         | QRC-HS-10-F-12S-BT-W66  | 33.95        | QRC-HS-10-M-12S-B-W66   | 39.46                   |
|        | Male Thread with | h 24° Con | ical Bor | e - Bulk | head -  | Shape \ | N according to DIN 3861 |              |                         |                         |
|        | M14x1,5          | 8L        | 76       | 73       | 25      |         | HS08-1-N0814            | 17,20        | HS08-2-N0814            | 17,60                   |
|        | C,1X411VI        | OL        | 2.98     | 2.87     | .98     |         | QRC-HS-10-F-08LB-BT-W66 | 37.92        | QRC-HS-10-M-08LB-B-W66  | 38.80                   |
|        | Macua 6          | 101       | 77       | 74       | 26      |         | HS08-1-N1016            | 18,70        | HS08-2-N1016            | 17                      |
| TO:    | M16x1,5          | 10L       | 3.02     | 2.91     | 1.02    |         | QRC-HS-10-F-10LB-BT-W66 | 41.23        | QRC-HS-10-M-10LB-B-W66  | 37.48                   |
| •      | MOOUL 5          | 4-0       | 78       | 75       | 27      |         | HS08-1-N1522            | 23,10        | HS08-2-N1522            | 17,50                   |
|        | M22x1,5          | 15L       | 3.06     | 2.95     | 1.06    |         | QRC-HS-10-F-15LB-BT-W66 | 50.93        | QRC-HS-10-M-15LB-BT-W66 | 38.58                   |
|        |                  |           |          |          |         |         |                         |              |                         |                         |
|        | M16x1,5          | 08S       | 78       | 5        | 27      |         | HS08-1-T0816            | 16           | HS08-2-T0816            | 17                      |

HS08-1-T1018

HS08-1-T1220

QRC-HS-10-F-10SB-BT-W66

QRC-HS-10-F-12SB-BT-W66

78 3.06

78

108

128

M18x1,5

M20x1,5

75

2.95

75 27

3.06 2.95

27

1.06

1.06

HS08-2-T1018

HS08-2-T1220

QRC-HS-10-M-10SB-B-W66

QRC-HS-10-M-12SB-B-W66

17,50

38.58

68.34

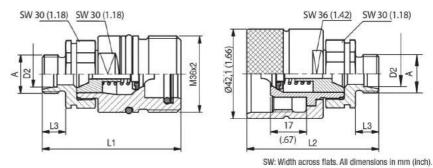
31

17,50

38.58

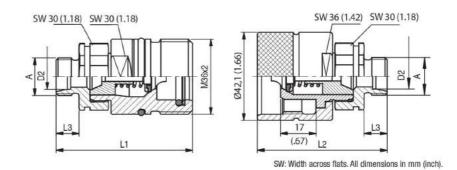
17,10

37.70



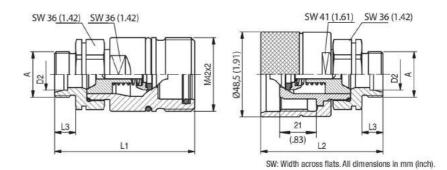
# Series HS-12 • BG 3 • Nominal Size 12,5

|      | Port A                      | Dimer       | nsions   |  |         |                                     | Female Body Old Part Numbers   | Weight (*9/10s) ca.  | Male Tip Old Part Numbers  | Weight<br>(lights) ca  |
|------|-----------------------------|-------------|--|--|---------|-------------------------------------|--|--|--|--|
|      |                             | ØD2         | L1   | L2   | L3      | L4                                  | STAUFF Ordering Codes  | per 100  | STAUFF Ordering Codes  | per 100  |
|      | Male Thread ac              | cording to  | DIN 385  | 52-2 - IS  | 0 9974- | -3                                  |  |  |  |  |
|      | 0.0701                      |             | 69   | 66   | 12      |                                     | HS10-1-AGF06   | 28,70  | HS10-2-AGF06   | 26,70  |
| 1111 | G 3/8"                      |             | 2.72   | 2.60   | .47     |                                     | QRC-HS-12-F-B06-BT-W66   | 63.27  | QRC-HS-12-M-B06-B-W66  | 58.86  |
| -    | 0.4.00                      |             | 69   | 66   | 12      |                                     | HS10-1-AGF08   | 29,50  | HS10-2-AGF08   | 27,10  |
| ШТ.« | G 1/2"                      |             | 2.72   | 2.60   | .47     |                                     | QRC-HS-12-F-B08-BT-W66   | 65.04  | QRC-HS-12-M-B08-B-W66  | 59.75  |
| 700  | 1400-4-5                    |             | 69   | 66   | 12      |                                     | HS10-1-AMF22   | 29,60  | HS10-2-AMF22   | 26,20  |
|      | M22x1,5                     |             | 2.72   | 2.60   | .47     |                                     | QRC-HS-12-F-M22M-BT-W66  | 65.26  | QRC-HS-12-M-M22M-B-W66   | 57.76  |
|      |                             | docording   | 67   | 64   | (-130 ( | 15                                  | - ANSI B 1.20.3 - SAE J1926-1<br>HS10-1-IGF06  | 30.80  | HS10-2-IGF06   | 28.80  |
|      |                             | according   | io biii o  | 1032-L-F   | 1-130 0 | 1149-1                              | - ANSI B 1.20.3 - SAE J1920-1  |  |  |  |
|      | G3/8"                       | uccorumg    | 67   | 64   | (-130 ( | 15                                  | HS10-1-IGF06   |  |  |  |
|      | G3/8"                       | according   | 67<br>2.64   | 64<br>2.52   | 1-130 0 | 15<br>.59                           | HS10-1-IGF06<br>QRC-HS-12-F-G06-BT-W66   | 67.90  | QRC-HS-12-M-G06-B-W66  | 63.49  |
|      |                             | doctraining | 67   | 64<br>2.52<br>64   | 1-130 0 | 15                                  | HS10-1-IGF06   |  |  | 63.49<br>29,90   |
| ⊐an  | G3/8"<br>G1/2"              | according ( | 67<br>2.64<br>67   | 64<br>2.52   | 1-130 0 | 15<br>.59<br>15                     | HS10-1-IGF06<br>QRC-HS-12-F-G06-BT-W66<br>HS10-1-IGF08   | 67.90<br>31,90   | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08  | 63.49  |
|      | G3/8"                       | according ( | 67<br>2.64<br>67<br>2.64                                   | 64<br>2.52<br>64<br>2.52                                   | 1300    | 15<br>.59<br>15<br>.59              | HS10-1-IGF06<br>QRC-HS-12-F-G06-BT-W66<br>HS10-1-IGF08<br>QRC-HS-12-F-G08-BT-W66   | 67.90<br>31,90<br>70.33  | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08<br>QRC-HS-12-M-G08-B-W66   | 63.49<br>29,90<br>65,92  |
|      | G3/8"<br>G1/2"<br>M18x1,5   |             | 67<br>2.64<br>67<br>2.64<br>67                             | 64<br>2.52<br>64<br>2.52<br>64                             |         | 15<br>.59<br>15<br>.59              | HS10-1-IGF06<br>ORC-HS-12-F-G06-BT-W66<br>HS10-1-IGF08<br>ORC-HS-12-F-G08-BT-W66<br>HS10-1-IMF18   | 67.90<br>31,90<br>70.33<br>30,20                                     | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08<br>QRC-HS-12-M-G08-B-W66<br>HS10-2-IMF18   | 63.49<br>29,90<br>65,92<br>28,20                                     |
| 4    | G3/8"<br>G1/2"              | according   | 67<br>2.64<br>67<br>2.64<br>67<br>2.64                     | 64<br>2.52<br>64<br>2.52<br>64<br>2.52                     | 1300    | 15<br>.59<br>15<br>.59<br>15<br>.59 | HS10-1-IGF06 QRC-HS-12-F-G06-BT-W66 HS10-1-IGF08 QRC-HS-12-F-G08-BT-W66 HS10-1-IMF18 QRC-HS-12-F-M180R-BT-W66  | 67.90<br>31,90<br>70.33<br>30,20<br>66.58                            | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08<br>QRC-HS-12-M-G08-B-W66<br>HS10-2-IMF18<br>QRC-HS-12-M-M180R-B-W66  | 63.49<br>29,90<br>65,92<br>28,20<br>62,17                            |
| 4    | G3/8" G1/2" M18x1,5 M22x1,5 | according   | 67<br>2.64<br>67<br>2.64<br>67<br>2.64                     | 64<br>2.52<br>64<br>2.52<br>64<br>2.52<br>64               | 1300    | 15<br>.59<br>15<br>.59<br>15<br>.59 | HS10-1-IGF06  QRC-HS-12-F-G06-BT-W66  HS10-1-IGF08  QRC-HS-12-F-G08-BT-W66  HS10-1-IMF18  QRC-HS-12-F-M180R-BT-W66  HS10-1-IMF22                                 | 67.90<br>31,90<br>70.33<br>30,20<br>66.58<br>29,20                   | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08<br>QRC-HS-12-M-G08-B-W66<br>HS10-2-IMF18<br>QRC-HS-12-M-M180R-B-W66<br>HS10-2-IMF22  | 63.49<br>29,90<br>65,92<br>28,20<br>62.17<br>26,60                   |
| 4    | G3/8"<br>G1/2"<br>M18x1,5   |             | 67<br>2.64<br>67<br>2.64<br>67<br>2.64<br>67<br>2.64       | 64<br>2.52<br>64<br>2.52<br>64<br>2.52<br>64<br>2.52       |         | 15<br>.59<br>15<br>.59<br>15<br>.59 | HS10-1-IGF06  QRC-HS-12-F-G06-BT-W66  HS10-1-IGF08  QRC-HS-12-F-G08-BT-W66  HS10-1-IMF18  QRC-HS-12-F-M180R-BT-W66  HS10-1-IMF22  QRC-HS-12-F-M220R-BT-W66       | 67.90<br>31,90<br>70.33<br>30,20<br>66.58<br>29,20<br>64.37          | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08<br>QRC-HS-12-M-G08-B-W66<br>HS10-2-IMF18<br>QRC-HS-12-M-M180R-B-W66<br>HS10-2-IMF22<br>QRC-HS-12-M-M220R-B-W66                 | 63.49<br>29,90<br>65,92<br>28,20<br>62.17<br>26,60<br>58.64          |
| 14   | G3/8" G1/2" M18x1,5 M22x1,5 |             | 67<br>2.64<br>67<br>2.64<br>67<br>2.64<br>67<br>2.64<br>70 | 64<br>2.52<br>64<br>2.52<br>64<br>2.52<br>64<br>2.52<br>67 |         | 15<br>.59<br>15<br>.59<br>15<br>.59 | HS10-1-IGF06 QRC-HS-12-F-G06-BT-W66 HS10-1-IGF08 QRC-HS-12-F-G08-BT-W66 HS10-1-IMF18 QRC-HS-12-F-M180R-BT-W66 HS10-1-IMF22 QRC-HS-12-F-M220R-BT-W66 HS10-1-INF08 | 67.90<br>31,90<br>70.33<br>30,20<br>66.58<br>29,20<br>64.37<br>29,60 | QRC-HS-12-M-G06-B-W66<br>HS10-2-IGF08<br>QRC-HS-12-M-G08-B-W66<br>HS10-2-IMF18<br>QRC-HS-12-M-M180R-B-W66<br>HS10-2-IMF22<br>QRC-HS-12-M-M220R-B-W66<br>HS10-2-INF08 | 63.49<br>29,90<br>65,92<br>28,20<br>62.17<br>26,60<br>58.64<br>27,40 |



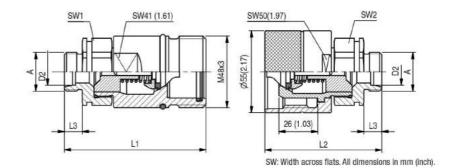
Series HS-12 • BG 3 • Nominal Size 12,5

|  | Port A             | Dimer         | nsions   |          |          |        | Female Body             | Weight      | Male Tip               | Weight      |
|--|--------------------|---------------|----------|----------|----------|--------|-------------------------|-------------|------------------------|-------------|
|  |                    | (mm/in)       |          |          |          |        | Old Part Numbers        | (kg/lbs)ca. | Old Part Numbers       | (kg/lbs)ca. |
|  |                    | ØD2           | L1       | L2       | L3       | L4     | STAUFF Ordering Codes   | per 100     | STAUFF Ordering Codes  | per 100     |
|  | Male Thread v      | vith 24° Coni | ical Bor | e - Shap | e W acc  | ording | to DIN 3861             |             |                        |             |
|  |                    | DI.           | 64       | 61       | 10       |        | HS10-1-L0814            | 26,40       | HS10-2-L0814           | 25,40       |
|  | M14x1,5            | 8L            | 2.53     | 2.40     | .39      |        | QRC-HS-12-F-08L-BT-W66  | 58.20       | QRC-HS-12-M-08L-B-W66  | 56.00       |
|  |                    | 4.01          | 65       | 62       | 11       |        | HS10-1-L1016            | 27,70       | HS10-2-L1016           | 25,70       |
|  | M16x1,5            | 10L           | 2.57     | 2.44     | .43      |        | QRC-HS-12-F-10L-BT-W66  | 61.07       | QRC-HS-12-M-10L-B-W66  | 56.66       |
|  | 1212 7 2           | 1.00          | 65       | 62       | 11       |        | HS10-1-L1218            | 27.80       | HS10-2-L1218           | 25.80       |
|  | M18x1,5            | 12L           | 2.57     | 2.44     | .43      |        | QRC-HS-12-F-12L-BT-W66  | 61.29       | QRC-HS-12-M-12L-B-W66  | 56.88       |
|  |                    | 101           | 66       | 63       | 12       |        | HS10-1-L1522            | 28,40       | HS10-2-L1522           | 26,40       |
| 10014000   | M22x1,5            | 15L           | 2.61     | 2.48     | .47      |        | QRC-HS-12-F-15L-BT-W66  | 62.61       | QRC-HS-12-M-15L-B-W66  | 58.20       |
|  |                    | 101           | 66       | 63       | 12       |        | HS10-1-L1826            | 28,40       | HS10-2-L1826           | 26,40       |
| 1  | M26x1,5            | 18L           | 2.61     | 2.48     | .47      |        | QRC-HS-12-F-18L-BT-W66  | 62.61       | QRC-HS-12-M-18L-B-W66  | 58.20       |
| Hr   8 <   |                    | 7             | 66       | 63       | 12       |        | HS10-1-S1018            | 28,40       | HS10-2-S1018           | 26,40       |
|  | M18x1,5            | 108           | 2.61     | 2.48     | .47      |        | QRC-HS-12-F-10S-BT-W66  | 62.61       | QRC-HS-12-M-10S-B-W66  | 58.20       |
| ja   | A DAMPAGE CONTRACT |               | 66       | 63       | 12       |        | HS10-1-S1220            | 28,40       | HS10-2-S1220           | 26,40       |
|  | M20x1,5            | 128           | 2.61     | 2.48     | .47      |        | QRC-HS-12-F-12S-BT-W66  | 62.61       | QRC-HS-12-M-12S-B-W66  | 58.20       |
|  | 1022 5 2           | 2.02          | 68       | 65       | 14       |        | HS10-1-S1422            | 29.20       | HS10-2-S1422           | 27,20       |
|  | M22x1,5            | 14S           | 2.69     | 2.56     | .55      |        | QRC-HS-12-F-14S-BT-W66  | 64.37       | QRC-HS-12-M-10S-B-W66  | 59.97       |
|  |                    |               | 68       | 65       | 14       |        | HS10-1-S1624            | 29.20       | HS10-2-S1624           | 27,20       |
|  | M24x1,5            | 16S           | 2.69     | 2.56     | .55      |        | QRC-HS-12-F-16S-BT-W66  | 64.37       | QRC-HS-12-M-16S-B-W66  | 59.97       |
|  | 102.202            |               | 70       | 67       | 16       |        | HS10-1-S2030            | 28,40       | HS10-2-S2030*          | 25,70       |
|  | M30x2              | 20S           | 2.76     | 2.64     | .63      |        | QRC-HS-12-F-20S-BT-W66  | 62.61       | QRC-HS-12-M-20S-B-W66  | 56.66       |
|  | Male Thread v      | vith 24° Coni | ical Bor | e - Bulk | head - S | hape V | V according to DIN 3861 |             |                        |             |
|  |                    |               | 80       | 77       | 26       |        | HS10-1-N0814            | 28.60       | HS10-2-N0814           | 26,20       |
|  | M14x1,5            | 08L           | 3.16     | 3.03     | 1.02     |        | QRC-HS-12-F-08LB-BT-W66 | 63.05       | QRC-HS-12-M-08LB-B-W66 | 57.76       |
|  |                    | 1000          | 80       | 77       | 26       |        | HS10-1-N1016            | 30.70       | HS10-2-N1016           | 27,50       |
|  | M16x1,5            | 10L           | 3.16     | 3.03     | 1.02     |        | QRC-HS-12-F-10LB-BT-W66 | 67.68       | QRC-HS-12-M-10LB-B-W66 | 60.63       |
|  |                    |               | 84       | 81       | 30       |        | HS10-1-N1218            | 30,60       | HS10-2-N1218           | 26,80       |
|  | M18x1,5            | 12L           | 3.31     | 3.19     | 1.18     |        | QRC-HS-12-F-12LB-BT-W66 | 67.46       | QRC-HS-12-M-12LB-B-W66 | 59.08       |
|  | 0.00000000000      | Victor        | 81       | 78       | 27       |        | HS10-1-N1522            | 31,40       | HS10-2-N1522           | 28,20       |
|  | M22x1,5            | 15L           | 3.20     | 3.07     | 1.06     |        | QRC-HS-12-F-15LB-BT-W66 | 69.23       | QRC-HS-12-M-15LB-B-W66 | 62.17       |
| Range -  |                    |               | 81       | 78       | 27       |        | HS10-1-N1826            | 36,60       | HS10-2-N1826           | 34,60       |
|  | M26x1,5            | 18L           | 3.20     | 3.07     | 1.06     |        | QRC-HS-12-F-18LB-BT-W66 | 80.69       | QRC-HS-12-M-18LB-B-W66 | 76.28       |
| The state of the s | 1                  |               | 80       | 77       | 26       |        | HS10-1-T1018            | 30,70       | HS10-2-T1018           | 28          |
| 2  | M18x1,5            | 108           | 3.16     | 3.03     | 1.02     |        | QRC-HS-12-F-10SB-BT-W66 | 67.68       | QRC-HS-12-M-10SB-B-W66 | 61.73       |
|  |                    |               | 81       | 78       | 27       |        | HS10-1-T1220            | 31,20       | HS10-2-T1220           | 28,80       |
|  | M20x1,5            | 128           | 3.20     | 3.07     | 1.06     |        | QRC-HS-12-F-12SB-BT-W66 | 68.78       | QRC-HS-12-M-12SB-B-W66 | 63.49       |
|  |                    | 2,11,24       | 83       | 80       | 29       |        | HS10-1-T1422            | 32,80       | HS10-2-T1422           | 30,40       |
|  | M22x1,5            | 148           | 3.28     | 3.15     | 1.14     |        | QRC-HS-12-F-14SB-BT-W66 | 72,31       | QRC-HS-12-M-14SB-B-W66 | 67.02       |
|  |                    |               | 83       | 80       | 29       |        | HS10-1-T1624            | 34,20       | HS10-2-T1624           | 31,60       |
|  | M24x1,5            | 168           | 3.28     | 3.15     | 1.14     |        | THE PARTY NAMED         | 0.1,20      | 11011                  | 69.67       |



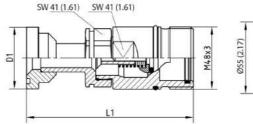
### Series HS-19 • BG 6 • Nominal Size 19

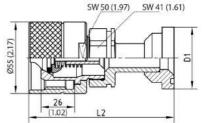
|           | Port A   | Dimer<br>(""/in) | nsions   |          |            |         | Female Body Old Part Numbers | Weight (kg/nbs) ca. | Male Tip Old Part Numbers | Weight<br>(kg/lbs)Ci |
|-----------|--|------------------|----------|----------|------------|---------|------------------------------|---------------------|---------------------------|----------------------|
|           |  | ØD2              | L1       | L2       | L3         | L4      | STAUFF Ordering Codes        | per 100             | STAUFF Ordering Codes     | per 100              |
|           | Female Thread a  | ccording         | to DIN 3 | 852-2-   | \ - ISO !  | 974-1   | - ANSI B 1.20.3              | ,                   |                           |                      |
|           | 1  | ·                | 86       | 75       | to process | 19      | HS12-1-IGF08                 | 52.60               | HS12-2-IGF08              | 50.40                |
|           | G1/2"  |                  | 3.39     | 2.95     |            | .75     | QRC-HS-19-F-G08-BT-W66       | 115.96              | QRC-HS-19-M-G08-B-W66     | 111.11               |
| FR        | 20000  |                  | 86       | 75       |            | 19      | HS12-1-IGF12                 | 63.60               | HS12-2-IGF12              | 47.60                |
| ☐H *      | G3/4"  |                  | 3.39     | 2.95     |            | .75     | QRC-HS-19-F-G12-BT-W66       | 140.21              | QRC-HS-19-M-G12-B-W66     | 104.94               |
| 1         |  |                  | 86       | 75       |            | 19      | HS12-1-IMF22                 | 55                  | HS12-2-IMF22              | 49                   |
| 14        | M22x1,5  |                  | 3.39     | 2.95     |            | .75     | QRC-HS-19-F-M22-BT-W66       | 121.25              | QRC-HS-19-M-M22-B-W66     | 108.03               |
| 75        | - Committee of the comm |                  | 86       | 75       |            | 1100000 | HS12-1-INF12                 | 55                  | HS12-2-INF12              | 47.60                |
|           | NPTF 3/4" -14  |                  | 3.39     | 2.95     |            |         | QRC-HS-19-F-NF12-BT-W66      | 121.25              | QRC-HS-19-M-NF12-B-W66    | 104.9                |
|           | Male Thread wit  | h 24° Coni       | ical Bor | e - Shap | e W ac     | cording | to DIN 3861                  |                     |                           |                      |
|           | A CONTRACTOR OF THE CONTRACTOR | 10.000           | 79       | 69       | 11         |         | HS12-1-L1218                 | 46                  | HS12-2-L1218              | 40,80                |
|           | M18x1,5  | 12L              | 3.11     | 2.72     | .43        |         | QRC-HS-19-F-12L-BT-W66       | 101.41              | ORC-HS-19-M-12L-B-W66     | 89.95                |
|           |  |                  | 80       | 70       | 12         |         | HS12-1-L1522                 | 46,60               | HS12-2-L1522              | 41,30                |
|           | M22x1,5  | 15L              | 3.15     | 2.76     | .47        |         | QRC-HS-19-F-15L-BT-W66       | 102.74              | QRC-HS-19-M-15L-B-W66     | 91.05                |
| 13-       |  | 77.44            | 80       | 70       | 12         |         | HS12-1-L1826                 | 47.90               | HS12-2-L1826              | 41.90                |
|           | M26x1,5  | 18L              | 3.15     | 2.76     | .47        |         | QRC-HS-19-F-18L-BT-W66       | 105.60              | QRC-HS-19-M-18L-B-W66     | 92.37                |
| Щ. Ц ај « | 100000   | 22.0             | 82       | 72       | 14         |         | HS12-1-L2230                 | 49.20               | HS12-2-L2230              | 43.10                |
|           | M30x2  | 22L              | 3.23     | 2.83     | .55        |         | QRC-HS-19-F-22L-BT-W66       | 108.47              | QRC-HS-19-M-22L-B-W66     | 95.02                |
| id.       | 1101.15  | 400              | 82       | 72       | 14         |         | HS12-1-S1624                 | 47,40               | HS12-2-S1624              | 40,20                |
|           | M24x1,5  | 168              | 3.23     | 2.83     | .55        |         | QRC-HS-19-F-16S-BT-W66       | 104.50              | QRC-HS-19-M-16S-B-W66     | 88.63                |
|           | 8400-0   | 000              | 84       | 74       | 16         |         | HS12-1-S2030                 | 50                  | HS12-2-S2030              | 44                   |
|           | M30x2  | 205              | 3.31     | 2.91     | .63        |         | QRC-HS-19-F-20S-BT-W66       | 110.23              | QRC-HS-19-M-20S-B-W66     | 97                   |
|           | Male Thread wit  | h 24° Con        | ical Bor | e - Bulk | head - :   | Shape V | V according to DIN 3861      |                     |                           |                      |
|           |  | 4.01             | 94       | 84       | 26         |         | HS12-1-N1218                 | 48,80               | HS12-2-N1218              | 42,20                |
|           | M18x1,5  | 12L              | 3.70     | 3.31     | 1.02       |         | QRC-HS-19-F-12LB-BT-W66      | 107.59              | QRC-HS-19-M-12LB-B-W66    | 93.04                |
|           | A400-4 F   | 4.00             | 95       | 85       | 27         |         | HS12-1-N1522                 | 51                  | HS12-2-N1522              | 43,80                |
|           | M22x1,5  | 15L              | 3.74     | 3.35     | 1.06       |         | QRC-HS-19-F-15LB-BT-W66      | 112.44              | QRC-HS-19-M-15LB-B-W66    | 96.56                |
|           | MOCHLE   | 4.01             | 95       | 85       | 27         |         | HS12-1-N1826                 | 55,70               | HS12-2-N1826              | 47,50                |
|           | M26x1,5  | 18L              | 3.74     | 3.35     | 1.06       |         | QRC-HS-19-F-18LB-BT-W66      | 122.80              | QRC-HS-19-M-18LB-B-W66    | 104.7                |
|           | M30x2  | 22L              | 104      | 94       | 36         |         | HS12-1-N2230                 | 59,40               | HS12-2-N2230              | 52,40                |
|           | MOUXZ  | ZZL              | 4.09     | 3.70     | 1.42       |         | QRC-HS-19-F-22LB-BT-W66      | 130.95              | QRC-HS-19-M-22LB-B-W66    | 115.52               |
|           | MOAVI 5  | 160              | 97       | 87       | 29         |         | HS12-1-T1624                 | 53,40               | HS12-2-T1624              | 46,20                |
|           | M24x1,5  | 16S              | 3.82     | 3.43     | 1.14       |         | QRC-HS-19-F-16SB-BT-W66      | 117.73              | QRC-HS-19-M-16SB-B-W66    | 101.85               |
|           | M30x2  | 208              | 104      | 94       | 36         |         | HS12-1-T2030                 | 62,40               | HS12-2-T2030              | 56,50                |
|           | WISUXZ   | 205              | 4.09     | 3.70     | 1.42       |         | QRC-HS-19-F-20SB-BT-W66      | 137.57              | QRC-HS-19-M-20SB-B-W66    | 124.50               |



# Series HS-25 • BG 8 • Nominal Size 25

|         | Port A                                  | Dime    | ension   | S      |        |        |                 |         | Female Body                | Weight                    | Male Tip                  | Weight      |
|---------|---|---------|----------|--------|--------|--------|-----------------|---------|----------------------------|---------------------------|---------------------------|-------------|
|         |   | (mm/in  | )        |        |        |        |                 |         | Old Part Numbers           | ( <sup>kg</sup> /lbs) Ca. | Old Part Numbers          | (Ng/16s) Ci |
|         |   | ØD2     | L1       | L2     | L3     | L4     | SW1             | SW2     | STAUFF Ordering Codes      | per 100                   | STAUFF Ordering Codes     | per 100     |
|         | Female Thread a                         | ccordi  | ina to I | OIN 38 | 52-2-  | A - AN | SI B 1.2        | 20.3    | 12                         |                           |                           |             |
|         |   |         | OF SEC.  |        |        |        |                 |         | 11000 4 10040              | 70.40                     |                           | 00.00       |
|         | G3/4"                                   |         | 98       | 81     |        | 19     | 41              | 41      | HS20-1-IGF12               | 78,10                     | HS20-2-IGF12              | 68,80       |
|         |   |         | 13122    | 3.19   |        | .75    |                 | 1.61    | QRC-HS-25-F-G12-BT-W66     | 172.18                    | QRC-HS-25-M-G12-B-W66     | 151.68      |
| TIME 1  | G1"                                     |         | 98       | 81     |        | 19     | 41              | 41      | HS20-1-IGF16               | 73,80                     | HS20-2-IGF16              | 64,50       |
| 1       |   |         | 3.86     | 3.19   |        | .75    | 1000            | -       | QRC-HS-25-F-G16-BT-W66     | 162.70                    | QRC-HS-25-M-G16-B-W66     | 142.20      |
| LA      | NPTF 1" -11 1/2                         |         | 98       | 81     |        |        | 41              | 41      | HS20-1-INF16               | 78                        | HS20-2-INF16              | 60,10       |
|         | 100000000000000000000000000000000000000 |         | 3.86     | 3.19   |        |        | 1.61            | 1.61    | QRC-HS-25-F-NF16-BT-W66    | 171.96                    | QRC-HS-25-M-NF16-B-W66    | 132.50      |
|         | Male Thread wit                         | h 24° ( | Conica   | Bore   | - Shap | pe W a | ccordi          | ng to D | IN 3861                    |                           |                           |             |
|         | MOCH E                                  | 4.01    | 95       | 78     | 12     |        | 41              | 41      | HS20-1-L1826               | 70,90                     | HS20-2-L1826              | 61,60       |
|         | M26x1,5                                 | 18L     | 3.74     | 3.07   | .47    |        | 1.61            | 1.61    | QRC-HS-25-F-18L-BT-W66     | 156.31                    | QRC-HS-25-M-18L-B-W66     | 135.80      |
|         | 1400-0                                  | 0.00    | 97       | 80     | 14     |        | 41              | 41      | HS20-1-L2230               | 71,50                     | HS20-2-L2230              | 62,20       |
|         | M30x2                                   | 22L     | 3.82     | 3.15   | .55    |        | 1.61            | 1.61    | QRC-HS-25-F-22L-BT-W66     | 157.63                    | QRC-HS-25-M-22L-B-W66     | 137.13      |
|         | M36x2                                   | 001     | 97       | 80     | 14     |        | 41              | 41      | HS20-1-L2836               | 72                        | HS20-2-L2836              | 67,20       |
| 1172    | M3bXZ                                   | 28L     | 3.82     | 3.15   | .55    |        | 1.61            | 1.61    | QRC-HS-25-F-28L-BT-W66     | 158.73                    | QRC-HS-25-M-28L-B-W66     | 148.1       |
| P-17    | 1115.0                                  | 051     | 99       | 82     | 16     |        | 46              | 46      | HS20-1-L3545               | 80,50                     | HS20-2-L3545              | 71,30       |
| 1       | M45x2                                   | 35L     | 3.90     | 3.23   | .63    |        | 1.81            | 1.81    | QRC-HS-25-F-35L-BT-W66     | 177.47                    | QRC-HS-25-M-35L-B-W66     | 157.1       |
| 11 8 4  |   | 000     | 99       | 82     | 16     |        | 41              | 41      | HS20-1-S2030               | 73,10                     | HS20-2-S2030              | 63,90       |
| 700     | M30x2                                   | 208     | 3.90     | 3.23   | .63    |        | 1.61            | 1.61    | QRC-HS-25-F-20S-BT-W66     | 161.16                    | QRC-HS-25-M-20S-B-W66     | 140.8       |
| · 10    |   | 050     | 101      | 84     | 18     |        | 41              | 41      | HS20-1-S2536               | 75,30                     | HS20-2-S2536              | 66          |
|         | M36x2                                   | 25S     | 3.98     | 3.31   | .71    |        | 1.61            | 1.61    | QRC-HS-25-F-25S-BT-W66     | 166.01                    | QRC-HS-25-M-25S-B-W66     | 145.5       |
|         | 1110.0                                  | 200     | 103      | 86     | 20     |        | 41              | 41      | HS20-1-S3042               | 87,10                     | HS20-2-S3042              | 65          |
|         | M42x2                                   | 30S     | 4.06     | 3.39   | .79    |        | 1.61            | 1.61    | QRC-HS-25-F-30S-BT-W66     | 192.02                    | QRC-HS-25-M-30S-B-W66     | 143.3       |
|         | 1450.0                                  | 000     | 105      | 88     | 22     |        | 55              | 55      | HS20-1-S3852               | 108                       | HS20-2-S3852              | 90,10       |
|         | M52x2                                   | 385     | 4.13     | 3.46   | .87    |        | 2.17            | 2.17    | QRC-HS-25-F-38S-BT-W66     | 238.10                    | QRC-HS-25-M-38S-B-W66     | 198.6       |
|         | Male Thread wit                         | h 24° ( | Conica   | Bore   | - Bulk | head - | Shape           | W ac    | cording to DIN 3861        |                           |                           |             |
|         |   | 1       | 110      | 93     | 27     |        | 41              | 41      | HS20-1-N1522               | 82                        | HS20-2-N1522              | 62          |
|         | M22x1,5                                 | 15L     | 4.33     | 3.66   | 1.06   |        | 1.61            | 1.61    | QRC-HS-25-F-15LB-BT-W66    | 180.78                    | QRC-HS-25-M-15LB-B-W66    | 136.69      |
|         | 2022000                                 | 17.020  | 115      | 98     | 32     |        | 41              | 41      | HS20-1-N1826               | 76,60                     | HS20-2-N1826              | 63.80       |
|         | M26x1,5                                 | 18L     | 4.53     | 3.86   | 1.26   |        | 1.61            | 1.61    | QRC-HS-25-F-18LB-BT-W66    | 168.87                    | QRC-HS-25-M-18LB-B-W66    | 140.6       |
|         | 200000                                  | 433     | 117      | 100    | 34     |        | 41              | 41      | HS20-1-N2230               | 86,10                     | HS20-2-N2230              | 65          |
|         | M30x2                                   | 22L     | 4.61     | 3.94   | 1.34   |        | 1.61            | 1.61    | QRC-HS-25-F-22LB-BT-W66    | 189.82                    | QRC-HS-25-M-22LB-B-W66    | 143.3       |
|         |   |         | 117      | 100    | 34     |        | 41              | 41      | HS20-1-N2836               | 89,90                     | HS20-2-N2836              | 69          |
|         | M36x2                                   | 28L     | 4.61     | 3.94   | 1.34   |        |                 | 1.61    | QRC-HS-25-F-28LB-BT-W66    | 198.20                    | QRC-HS-25-M-28LB-B-W66    | 152.1       |
|         | 4                                       |         | 121      | 104    | 38     |        | 41              | 41      | HS20-1-T2030               | 94                        | HS20-2-T2030              | 70.60       |
| runda ' | _ M30x2                                 | 20S     | 4.76     | 4.09   | 1.50   |        | -               | 111     | QRC-HS-25-F-20SB-BT-W66    | 207.23                    | QRC-HS-25-M-20SB-B-W66    | 155.6       |
|         |   |         | 121      | 104    | 38     |        | 41              | 41      | HS20-1-T2536               | 94.70                     | HS20-2-T2536              | 74          |
|         | M36x2                                   | 258     | 4.76     | 4.09   | 1.50   |        |                 | 1.61    | QRC-HS-25-F-25SB-BT-W66    | 208.78                    | QRC-HS-25-M-25SB-B-W66    | 163.1       |
|         |   |         | 123      | 106    | 40     |        | 46              | 46      | HS20-1-T3042               | 104                       | HS20-2-T3042              | 85          |
|         | M42x2                                   | 30S     | 4.84     | 4.17   | 1.57   |        | marking Company | -       | QRC-HS-25-F-30SB-BT-W66    | 229.28                    | QRC-HS-25-M-30SB-B-W66    | 187.3       |
|         |   |         | 123      | 106    | 40     |        | 55              | 55      | HS20-1-T3852               | 140,40                    | HS20-2-T3852              | 85          |
|         | M52x2                                   | 38S     |          | 4.17   |        |        |                 |         | QRC-HS-25-F-38SB-BT-W66    | 309.53                    | QRC-HS-25-M-38SB-B-W66    | 187.39      |
|         |   |         | 4.04     | 4.17   | 1.01   |        | 2.17            | 2.17    | WIIO-119-29-1-3090-01-1400 | 303.03                    | Q110-113-23-W1-303D-D-W00 | 107.3       |

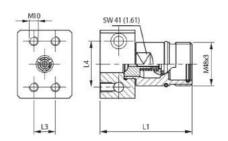


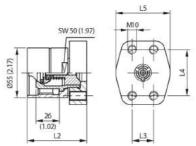


SW: Width across flats. All dimensions in mm (inch).

### Series HS-25 • BG 8 • Nominal Size 25

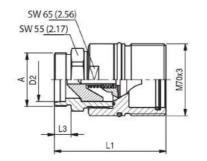
| Flange | Dimen   | sions |      |    |     |    | Female Body              | Weight       | Male Tip                | Weight       |
|--------|---------|-------|------|----|-----|----|--------------------------|--------------|-------------------------|--------------|
|        | (mm/in) |       |      |    |     |    | Old Part Numbers         | (kg/tbs) Ca. | Old Part Numbers        | (kg/lbs) ca. |
|        | ØD1     | L1    | L2   | L3 | L4  | L5 | STAUFF Ordering Codes    | per 100      | STAUFF Ordering Codes   | per 100      |
|        |         | 127   | 110  |    | 11' | 11 | HS20-1-AFS12             | 85,20        | HS20-2-AFS12            | 76           |
| 3/4"   | 41,3    | 1.63  | 5.00 |    |     |    | QRC-HS-25-F-FH612-BT-W66 | 187.83       | QRC-HS-25-M-FH612-B-W66 | 167.55       |
|        | 47 C    | 129   | 112  |    |     |    | HS20-1-AFS16             | 93,20        | HS20-2-AFS16            | 83,90        |
| 1.     | 47,6    | 1.87  | 5.08 |    |     |    | ORC-HS-25-F-FH616-RT-W66 | 205.47       | ORC-HS-25-M-FH616-R-W66 | 184 97       |

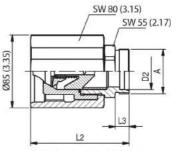




SW: Width across flats. All dimensions in mm (inch).

| Flange | Dimen   | sions |      |      |      |      | Female Body                    | Weight       | Male Tip                | Weight       |
|--------|---------|-------|------|------|------|------|--------------------------------|--------------|-------------------------|--------------|
|        | (mm/in) |       |      |      |      |      | Old Part Numbers               | (kg/lbs) Ca. | Old Part Numbers        | (ig/ibs) ca. |
|        | ØD2     | L1    | L2   | L3   | L4   | L5   | STAUFF Ordering Codes          | per 100      | STAUFF Ordering Codes   | per 100      |
|        |         | 102   | 65   | 23.8 | 50.8 | 60   | HS20-1-X0010                   | 163,10       | HS20-2-X0011            | 87,70        |
| 3/4"   |         | 4.02  | 2.56 | .94  | 2.00 | 2.36 | QRC-HS-25-F-C612M-B-W66-700514 | 359.57       | QRC-HS-25-M-C612M-B-W66 | 193.35       |



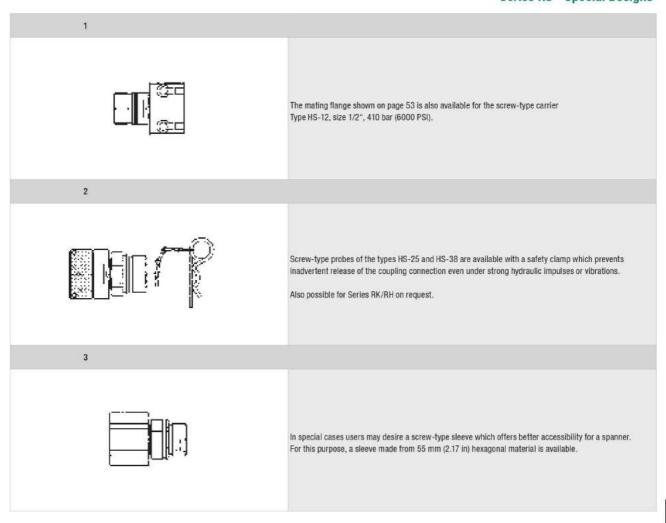


SW: Width across flats. All dimensions in mm (inch).

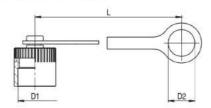
### Series HS-38 - BG 12 - Nominal Size 38

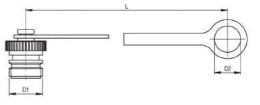
|                                  | Port A         | Dime         | nsions   |             |            |         | Female Body  | Weight       | Male Tip  | Weight      |
|----------------------------------|----------------|--------------|----------|-------------|------------|---------|--|--------------|---|-------------|
|                                  |                | (mm/in)      |          |             |            |         | Old Part Numbers   | (kg/tos) ca. | Old Part Numbers  | (*0/lbs) C8 |
|                                  |                | ØD2          | L1       | L2          | L3         | L4      | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes   | per 100     |
|                                  | Female Threa   | d according  | to DIN 3 | 8852-2-     | A / Inne   | ngewin  | de DIN 3852-2-A  |              |   |             |
|                                  | 0.411.474      |              | 125      | 131         |            | 29      | HS25-1-IGF20   | 190,70       | HS25-2-IGF20  | 276,60      |
| $\exists \mathbb{R}$             | G 1" 1/4       |              | 4.92     | 5.16        |            | 1.14    | QRC-HS-38-F-G20-BT-W66   | 420.42       | QRC-HS-38-M-G20-B-W66   | 609.80      |
| ΠH, -1                           | 0.411.410      |              | 127      | 134         |            | 31      | HS25-1-IGF24   | 184,90       | HS25-2-IGF24  | 270,80      |
| 772                              | G 1" 1/2       |              | 5.00     | 5.28        |            | 1.22    | QRC-HS-38-F-G24-BT-W66   | 407.63       | QRC-HS-38-M-G24-B-W66   | 597.01      |
| 14                               | Maria What and | (4th 0.4% 0  | last Bas | o Ohan      | W          |         | 4- PW 2004   |              |   |             |
|                                  | Male Thread    | With 24° Con |          |             |            | coraing |  |              |   |             |
|                                  | M45x2          | 35L          | 105      | 112         | 16         |         | HS25-1-L3545   | 156          | HS25-2-L3545  | 209         |
| 13                               | 30.25.00       | 12.52        | 4.11     | 4.39        | .63        |         | QRC-HS-38-F-35L-BT-W66   | 343.92       | QRC-HS-38-M-35L-B-W66   | 460.77      |
|                                  | M52x2          | 42L          | 105      | 112         | 16         |         | HS25-1-L4252   | 162          | HS25-2-L4252  | 215         |
|                                  |                |              | 4.11     | 4.39        | .63        |         | QRC-HS-38-F-42L-BT-W66   | 357.15       | QRC-HS-38-M-42L-B-W66   | 473.99      |
| 1 8 4                            | M42x2          | 308          | 112      | 119         | 20         |         | HS25-1-S3042   | 157,20       | HS25-2-S3042  | 209,20      |
| 723                              | 2000000        | 1333         | 4.41     | 4.69        | .79        |         | QRC-HS-38-F-30S-BT-W66   | 346.57       | QRC-HS-38-M-30S-B-W66   | 461.21      |
|                                  | M52x2          | 385          | 112      | 118         | 22         |         | HS25-1-S3852   | 162,40       | HS25-2-S3852  | 215,30      |
|                                  | WINDERE        | 000          | 4.41     | 4.65        | .87        |         | QRC-HS-38-F-38S-BT-W66   | 358.03       | QRC-HS-38-M-38S-B-W66   | 474.66      |
|                                  | Male Thread    | with 24° Con | ical Bor | e - Bulk    | head - S   | Shape V | V according to DIN 3861  |              |   |             |
|                                  | 1115.0         | 0.51         | 125      | 132         | 36         |         | HS25-1-N3545   | 173          | HS25-2-N3545  | 234         |
| 122                              | M45x2          | 35L          | 4.90     | 5.18        | 1.42       |         | QRC-HS-38-F-35LB-BT-W66  | 381.40       | QRC-HS-38-M-35LB-B-W66  | 515.88      |
| 13                               | 1450.0         | 100          | 129      | 132         | 36         |         | HS25-1-N4252   | 172,50       | HS25-2-N4252  | 233,50      |
|                                  |                | 42L          | 5.08     | 5.20        | 1.42       |         | QRC-HS-38-F-42LB-BT-W66  | 380.30       | QRC-HS-38-M-42LB-B-W66  | 514.78      |
|                                  | M52x2          |              | 0.00     |             |            |         | the same of the sa | 400.10       | HOOF O TOO IO   | 000.00      |
| H <sub>I</sub> I <sub>21</sub> . |                | 000          | 133      | 140         | 40         |         | HS25-1-T3042   | 182,40       | HS25-2-T3042  | 268,30      |
|                                  | M52x2<br>M42x2 | 308          |          | 140<br>5.51 | 40<br>1.57 |         | HS25-1-T3042<br>QRC-HS-38-F-30SB-BT-W66  | 402.12       | HS25-2-13042<br>QRC-HS-38-M-30SB-B-W66  | 591.50      |
|                                  |                | 30S<br>38S   | 133      |             | - 155      |         | AND TO A MANAGEMENT OF THE PARTY OF THE PART |              | Marie Control of the |             |

### Series HS - Special Designs



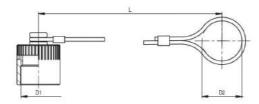
# Series HS • Dust Protection

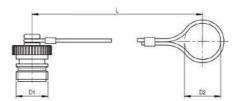




| Dimen: | sions |      | Material               | Old Part Numbers      |
|--------|-------|------|------------------------|-----------------------|
| D1     | D2    | L    |                        | STAUFF Ordering Codes |
| M24x2  | 19    | 180  | Disease (Colour Book   | HS04-0-RT001          |
| MZ4XZ  | .75   | 7.09 | Plastic (Colour: Red)  | QRC-HS-06-DF-19-K-RD  |
| 1400-0 | 23    | 180  | Disable (Onless Davi)  | HS08-0-RT001          |
| M28x2  | .91   | 7.09 | Plastic (Colour: Red)  | QRC-HS-10-DF-23-K-RD  |
| M36x2  | 29,5  | 185  | Disable (Onlaws Deel)  | HS10-0-RT001          |
| M36XZ  | 1.16  | 7.28 | Plastic (Colour: Red)  | QRC-HS-12-DF-30-K-RD  |
| 1440.0 | 36,5  | 190  | DI - 12 - 70 - 1 D - 4 | HS12-0-RT001          |
| M42x2  | 1.44  | 7.48 | Plastic (Colour: Red)  | QRC-HS-19-DF-37-K-RD  |
| 1110.0 | 41    | 190  | District (Oslawa Dark  | HS20-0-RT001          |
| M48x3  | 1.61  | 7.48 | Plastic (Colour: Red)  | QRC-HS-25-DF-41-K-RD  |
| 1470.0 | 55    | 201  | District (Outside Dest | HS25-0-RT001          |
| M70x3  | 2.17  | 7.91 | Plastic (Colour: Red)  | QRC-HS-38-DF-55-K-RD  |

| Dimen:<br>(mm/in) | sions |      | Material               | Dust Plug for Male Tip Old Part Numbers |
|-------------------|-------|------|------------------------|---|
| D1                | D2    | L    |                        | STAUFF Ordering Codes                   |
| Make              | 19    | 180  | Disable (Colour Dad)   | HS04-9-RT001                            |
| M24x2             | .75   | 7.09 | Plastic (Colour: Red)  | QRC-HS-06-DM-19-K-RD                    |
|                   | 23    | 180  | DI C 10 I D 8          | HS08-9-RT001                            |
| M28x2             | .91   | 7.09 | Plastic (Colour: Red)  | QRC-HS-10-DM-23-K-RD                    |
| MOC.0             | 29,5  | 185  | Disable (Oslave Ded)   | HS10-9-RT001                            |
| M36x2             | 1.16  | 7.28 | Plastic (Colour: Red)  | QRC-HS-12-DM-30-K-RD                    |
| M42x2             | 36,5  | 190  | Disaste (Outern Dark)  | HS12-9-RT001                            |
| IVI4ZXZ           | 1.44  | 7.48 | Plastic (Colour: Red)  | QRC-HS-19-DM-37-K-RD                    |
| M48x3             | 41    | 190  | Disable (Onless Bed)   | HS20-9-RT001                            |
| W148X3            | 1.61  | 7.48 | Plastic (Colour: Red)  | QRC-HS-25-DM-41-K-RD                    |
| M70x3             | 55    | 201  | Disable (Dalama David) | HS25-9-RT001                            |
| MI/UX3            | 2.17  | 7.91 | Plastic (Colour: Red)  | QRC-HS-38-DM-55-K-RD                    |





| Dimen:  | sions |   | Material                         | Dust Cap for Female Body Old Part Numbers |  |
|---------|-------|---|----------------------------------|---|--|
| D1      | D2    | L |                                  | STAUFF Ordering Codes                     |  |
| 1404.0  |       |   | Alternatives with sevel weble    | HS04-0-SI001                              |  |
| M24x2   |       |   | Aluminium with steel cable       | QRC-HS-06-DF-19-W89-SI                    |  |
| 1400.0  |       |   | ()                               | HS08-0-SI001                              |  |
| M28x2   |       |   | Aluminium with steel cable       | QRC-HS-10-DF-23-W89-SI                    |  |
| 1400-0  |       |   | At a table of the second and the | HS10-0-SI001                              |  |
| M36x2   |       |   | Aluminium with steel cable       | QRC-HS-12-DF-30-W89-SI                    |  |
| 1440-0  |       |   | Annatal and the second and a     | HS12-0-SI001                              |  |
| M42x2   |       |   | Aluminium with steel cable       | QRC-HS-19-DF-37-W89-SI                    |  |
| 1440.00 |       |   | Aluminium with steel cable       | HS20-0-SI001                              |  |
| M48x3   |       |   | Aluminium with steel cable       | QRC-HS-25-DF-41-W89-SI                    |  |
| 14700   |       |   | Alternations with panel could    | HS25-0-SI001                              |  |
| M70x3   |       |   | Aluminium with steel cable       | QRC-HS-38-DF-55-W89-SI                    |  |

| Dimen: | sions |   | Material                   | Dust Plug for Male Tip Old Part Numbers |
|--------|-------|---|----------------------------|---|
| D1     | D2    | L |                            | STAUFF Ordering Codes                   |
| M24x2  |       |   | Aluminium with steel cable | HS04-9-SI001<br>QRC-HS-06-DM-19-W89-SI  |
| M28x2  |       |   | Aluminium with steel cable | HS08-9-SI001<br>QRC-HS-10-DM-23-W89-SI  |
| M36x2  |       |   | Aluminium with steel cable | HS10-9-SI001<br>QRC-HS-12-DM-30-W89-SI  |
| M42x2  |       |   | Aluminium with steel cable | HS12-9-SI001<br>QRC-HS-19-DM-37-W89-SI  |
| M48x3  |       |   | Aluminium with steel cable | HS20-9-SI001<br>QRC-HS-25-DM-41-W89-SI  |
| M70x3  |       |   | Aluminium with steel cable | HS25-9-SI001<br>QRC-HS-38-DM-55-W89-SI  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series HS • Stainless Steel

129

| Series HS • Overview                    | 126 | Series HS = Dust Protection |
|---|-----|-----------------------------|
| Series HS-06 = BG 1 = Nominal Size 6,3  | 127 |                             |
| Series HS-10 * BG 2 * Nominal Size 10   | 127 |                             |
| Series HS-12 = BG 3 = Nominal Size 12,5 | 127 |                             |
| Series HS-19 = BG 6 = Nominal Size 19   | 127 |                             |
| Series HS-25 * BG 8 * Nominal Size 25   | 128 |                             |
| Series HS-38 = BG 12 = Nominal Size 38  | 128 |                             |



#### Series HS . Stainless Steel

| Material                  | Stainless Steel V4A (AISI 316)  |
|---------------------------|---|
| Surface Finishing         | -   |
| Standard Seal Material(s) | FKM (Viton®) <sup>2</sup>   |
| Working Temperature       | -25° C +200° C / -13° F +392° F   |
| Valve Design              | Poppet Valve  |
| Connection                | Screw   |
| Disconnection             | Screw   |
| Connect Under Pressure    | Male Tip/Female Body up to 33% of the Working Pressure with Tools                 |
| Application               | Agricultural and Forestry Machinery, Construction Machinery, Industrial Hydraulic |
| ISO Interchange           | ISO 14541 (BG 1-6)  |

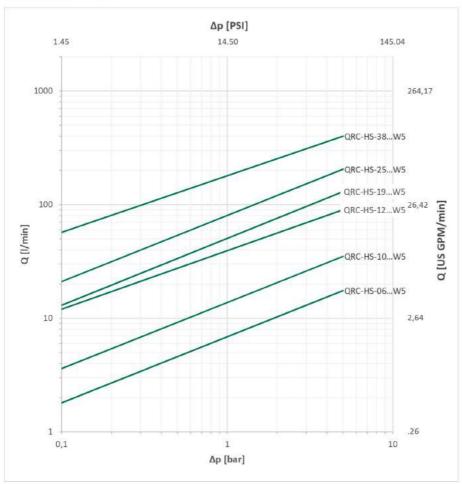


### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | lale Tip | Spillage | Ŀ      |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| HS-06  | 1  | 1/4"       | 6,3          | 17    | 4.49   | 300    | 4351       | 1200 | 17404                 | 1200 | 17404     | 1200 | 17404    | 0,8      | .0271  |
| HS-10  | 2  | 3/8"       | 10           | 30    | 7.92   | 250    | 3626       | 1500 | 21756                 | 1400 | 20305     | 1000 | 14504    | 1,9      | .0642  |
| HS-12  | 3  | 1/2"       | 12,5         | 80    | 21.13  | 250    | 3626       | 1800 | 26107                 | 1800 | 26107     | 1100 | 15954    | 2,7      | .0913  |
| HS-19  | 6  | 3/4"       | 19 (20)      | 106   | 28.00  | 150    | 2175       | 1700 | 24657                 | 700  | 10153     | 600  | 8702     | 9,3      | .3145  |
| HS-25  | 8  | 1"         | 25           | 189   | 49.93  | 150    | 2175       | 1200 | 17404                 | 600  | 8702      | 600  | 8702     | 16       | .5410  |
| HS-38  | 12 | 1 1/2"     | 38           | 350   | 92.46  | 100    | 1450       | 400  | 5801                  | 400  | 5801      | 400  | 5801     | 30       | 1.0144 |

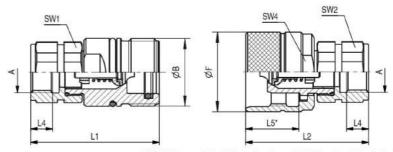
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HS-12.

\* Insertion Female Body.

# Series HS-06 • BG 1 • Nominal Size 6,3

| Port A     | Dimension<br>(****/in)<br>ØB | ns<br>ØF | L1   | L2   | L4 min | L5   | SW1 | SW2 | SW4    | Female Body Old Part Numbers STAUFF Ordering Codes | Weight (kg/lbs) ca. per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(Na/Iba) Ca.<br>per 100 |
|------------|------------------------------|----------|------|------|--------|------|-----|-----|--------|--|-----------------------------|---|-----------------------------------|
| Female Th  | read according               |          |      |      | L4 min | LU   | OWI | UWZ | 0114   | oracing oddes                                      | per roo                     | STAGET Ordering Godes                           | per roo                           |
| <br>G 1/4" | M24x2                        | 30       | 59,1 |      | 12     | 25,1 | 19  | 19  | - File | HS06-1-IGF04-VA                                    | 12,20                       | HS06-2-IGF04-VA                                 | 13                                |
| 0 1/4      | WIZHAZ                       | 1.18     | 2.33 | 2.28 | .47    | .99  | .75 | .75 | 1.06   | QRC-HS-06-F-G04-VT-W5                              | 26.90                       | QRC-HS-06-M-G04-V-W5                            | 28.66                             |

### Series HS-10 • BG 2 • Nominal Size 10

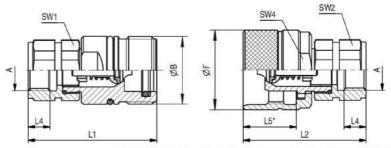
| Port A Female Th | ( <sup>men</sup> / <sub>in</sub> )<br>ØB |          |        |      | SW1 | SW2  | SW4 | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(*9 <sub>70a</sub> ) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(*Probs) ca.<br>per 100 |                      |       |
|------------------|--|----------|--------|------|-----|------|-----|--|---|---|-----------------------------------|----------------------|-------|
| Female Thr       | ead accordin                             | g to DII | N 3852 | 2    |     |      |     |  |   |   |                                   |                      |       |
| G 3/8"           | M28x2                                    | 34       | 64,5   | 62   | 12  | 26,5 | 22  | 22   | 30  | HS10-1-IGF06-VA                                 | 16,30                             | HS10-2-IGF06-VA      | 17,40 |
| G 3/8            | WIZ8XZ                                   | 1.34     | 2 54   | 2.44 | .47 | 1.04 | .87 | .87  | 1.18  | QRC-HS-10-F-G06-VT-W5                           | 35.94                             | QRC-HS-10-M-G06-V-W5 | 38.36 |

# Series HS-12 • BG 3 • Nominal Size 12,5

|    | Port A  Female Th | Dimensio<br>(****/in)<br>ØB | ør<br>ØF | L1     | L2   | L4 min | L5  | SW1  | SW2  | SW4  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(Na/Ibn) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(hg/lbs) ca.<br>per 100 |
|----|-------------------|-----------------------------|----------|--------|------|--------|-----|------|------|------|--|-----------------------------------|---|-----------------------------------|
|    | Female Th         | read accordin               | g to DII | N 3852 | 2    |        |     |      |      |      |  |                                   |   |                                   |
|    | G 3/8"            | 1400-0                      | 41,8     | 67     | 63   | 12     | 28  | 30   | 30   | 38   | HS12-1-IGF06-VA                                    | 33,10                             | HS12-2-IGF06-VA                                 | 30,50                             |
|    | G 3/8             | M36x2                       | 1.64     | 2.64   | 2.48 | .47    | 1.1 | 1.18 | 1.18 | 1.49 | QRC-HS-12-F-G06-VT-W5                              | 72.97                             | QRC-HS-12-M-G06-V-W5                            | 67.24                             |
| V. | G 1/2"            | *****                       | 41,8     | 67     | 63   | 12     | 28  | 30   | 30   | 38   | HS12-1-IGF08-VA                                    | 31,20                             | HS12-2-IGF08-VA                                 | 28,10                             |
|    |                   | M36x2                       | 1.64     | 2.64   | 2.48 | 47     | 4.4 | 1.18 | 1.18 | 1.49 | QRC-HS-12-F-G08-VT-W5                              | 68.78                             | QRC-HS-12-M-G08-V-W5                            | 61.95                             |

# Series HS-19 • BG 6 • Nominal Size 19

|   | Port A    | Dimensio<br>(""/in)<br>ØB | ons<br>ØF | L1     | L2   | L4 min | L5  | SW1  | SW2  | SW4  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(*g <sub>Nbs</sub> ) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(*97bs) ca.<br>per 100 |
|---|-----------|---------------------------|-----------|--------|------|--------|-----|------|------|------|--|---|---|----------------------------------|
|   | Female Th | read accordin             | g to DII  | N 3852 | 2    |        |     |      |      |      |  |   |   |                                  |
|   | G 3/4"    | M42x2                     | 48        | 82     | 75   | 16     | 21  | 36   | 36   | 41   | HS19-1-IGF12-VA                                    | 51,10   | HS19-2-IGF12-VA                                 | 44,10                            |
| 1 | G 3/4     | N142X2                    | 1.89      | 3.23   | 2.95 | .63    | .83 | 1.42 | 1.42 | 1.61 | QRC-HS-19-F-G12-VT-W5                              | 112.66  | QRC-HS-19-M-G12-V-W5                            | 97.22                            |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HS-12.

\* Insertion Female Body.

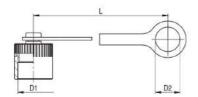
### Series HS-25 • BG 8 • Nominal Size 25

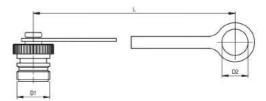
|   | Port A    | Dimensio<br>(****/in)<br>ØB | ons<br>ØF | L1   | L2   | L4 min | L5   | SW1  | SW2 | SW4  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>( <sup>kg</sup> / <sub>lbs</sub> ) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | (%9/ton) CS<br>per 100 |
|---|-----------|-----------------------------|-----------|------|------|--------|------|------|-----|------|--|---|---|------------------------|
|   | Female Th | read accordin               | g to DII  | 3852 |      |        |      |      |     |      |  |   |   |                        |
|   | 0.0(4)    | 1110.0                      | 55        | 95   | 78,5 | 16     | 35,5 | 41   | 16  | 50   | HS25-1-IGF12-VA                                    | 74,80   | HS25-2-IGF12-VA                                 | 65,10                  |
| 7 | G 3/4"    | M48x3                       | 2.16      | 3.74 | 3.09 | .63    | 1.40 | 1.61 | .63 | 1.97 | QRC-HS-25-F-G12-VT-W5                              | 164.91  | QRC-HS-25-M-G12-V-W5                            | 143.52                 |
| 4 | 0.41      | MAN                         | 55        | 95   | 78,5 | 18     | 35,5 | 41   | 18  | 50   | HS25-1-IGF16-VA                                    | 71,30   | HS25-2-IGF16-VA                                 | 61,50                  |
|   | G 1"      | M48x3                       | 2.16      | 3.74 | 3.09 | .71    | 1.40 | 1.61 | .71 | 1.97 | QRC-HS-25-F-G16-VT-W5                              | 157.19  | QRC-HS-25-M-G16-V-W5                            | 135.58                 |

### Series HS-38 • BG 12 • Nominal Size 38

|     | Port A     | Dimensio<br>(mm/m)<br>ØB | ons<br>ØF | L1     | L2   | L4 min | L5   | SW1  | SW2 | SW4  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(*p <sub>/bs</sub> ) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight (*9/100) ca. per 100 |
|-----|------------|--------------------------|-----------|--------|------|--------|------|------|-----|------|--|---|---|-----------------------------|
|     | Female Thr | ead accordin             | g to DII  | N 3852 | 2    |        |      |      |     |      |  |   |   |                             |
|     | 0.4.448    | M700                     | 80        | 116    | 121  | 20     | 44   | 60   | 20  | 65   | HS38-1-IGF20-VA                                    | 180,20  | HS38-2-IGF20-VA                                 | 235                         |
| 7   | G 1 1/4"   | M70x3                    | 3.12      | 4.57   | 4.76 | .79    | 1.73 | 2.36 | .79 | 2.56 | QRC-HS-38-F-G20-VT-W5                              | 397.27  | QRC-HS-38-M-G20-V-W5                            | 518.09                      |
| Н . | 0 1 1 101  | 1470-0                   | 80        | 116    | 121  | 22     | 44   | 60   | 22  | 65   | HS38-1-IGF24-VA                                    | 173   | HS38-2-IGF24-VA                                 | 227,80                      |
|     | G 1 1/2"   | M70x3                    | 3.12      | 4.57   | 4.76 | .87    | 1.73 | 2.36 | .87 | 2.56 | QRC-HS-38-F-G24-VT-W5                              | 381.40  | QRC-HS-38-M-G24-V-W5                            | 502,21                      |

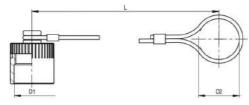
# Series HS • Dust Protection

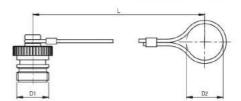




| sions |  | Material   | Dust Cap for Female Body  |                                       |
|-------|--|--|---|---------------------------------------|
| D2    | L  |  | Old Part Numbers STAUFF Ordering Codes  |                                       |
| 19    | 180  | Diantia (Colour, Dod)  | HS04-0-RT001  |                                       |
| .75   | 7.09   | Plastic (Colour: Red)  | QRC-HS-06-DF-19-K-RD  |                                       |
| 23    | 180  | Disease (Onless Deep   | HS08-0-RT001  |                                       |
| .91   | 7.09   | Plastic (Colour: Hed)  | QRC-HS-10-DF-23-K-RD  |                                       |
| 29,5  | 185  | Dissetta (Calause Dash   | HS10-0-RT001  |                                       |
| 1.16  | 7.28   | Plastic (Golour: Red)  | QRC-HS-12-DF-30-K-RD  |                                       |
| 36,5  | 190  | Disable /Onless Deal   | HS12-0-RT001  |                                       |
| 1.44  | 7.48   | Plastic (Colour: Hed)  | QRC-HS-19-DF-37-K-RD  |                                       |
| 41    | 190  | Disable (Oslava Davi)  | HS20-0-RT001  |                                       |
| 1.61  | 7.48   | Plastic (Golour: Red)  | QRC-HS-25-DF-41-K-RD  |                                       |
| 55    | 201  | Disette (Colour Deel   | HS25-0-RT001  |                                       |
| 2.17  | 7.91   | Plastic (Colour; Red)  | QRC-HS-38-DF-55-K-RD  |                                       |
|       | D2<br>19<br>.75<br>23<br>.91<br>29,5<br>1.16<br>36,5<br>1.44<br>41<br>1.61<br>55 | D2         L           19         180           .75         7.09           23         180           .91         7.09           29,5         185           1.16         7.28           36,5         190           1.44         7.48           41         190           1.61         7.48           55         201 | D2         L           19         180           75         7.09           23         180           .91         7.09           29,5         185           1.16         7.28           36,5         190           1.44         7.48           41         190           1.61         7.48           55         201           Plastic (Colour: Red)           Plastic (Colour: Red) | D2   L   STAUFF Ordering Codes     19 |

| Dimen:<br>(mm/in) | sions |      | Material              | Dust Plug for Male Tip Old Part Numbers |
|-------------------|-------|------|-----------------------|---|
| D1                | D2    | L    |                       | STAUFF Ordering Codes                   |
| M24x2             | 19    | 180  | Disable (Colour Book  | HS04-9-RT001                            |
| IMZ4XZ            | .75   | 7.09 | Plastic (Colour: Red) | QRC-HS-06-DM-19-K-RD                    |
| M28x2             | 23    | 180  | Disable (Calause Dark | HS08-9-RT001                            |
| IVIZ6XZ           | .91   | 7.09 | Plastic (Colour: Red) | QRC-HS-10-DM-23-K-RD                    |
| M36x2             | 29,5  | 185  | Disable (Outsus Deal) | HS10-9-RT001                            |
| M36XZ             | 1.16  | 7.28 | Plastic (Colour: Red) | QRC-HS-12-DM-30-K-RD                    |
| M42x2             | 36,5  | 190  | Disable (Outros Dark) | HS12-9-RT001                            |
| W4ZXZ             | 1.44  | 7.48 | Plastic (Colour: Red) | QRC-HS-19-DM-37-K-RD                    |
| M48x3             | 41    | 190  | Disable (Calaus Dad)  | HS20-9-RT001                            |
| IVI48X3           | 1.61  | 7.48 | Plastic (Colour: Red) | QRC-HS-25-DM-41-K-RD                    |
| M70x3             | 55    | 201  | Disette (Oslava Ded)  | HS25-9-RT001                            |
| IVI/UX3           | 2.17  | 7.91 | Plastic (Colour: Red) | QRC-HS-38-DM-55-K-RD                    |





| Dimen:   | , 1000 M | · . | Material                   | Oust Cap for Female Body Old Part Numbers |
|----------|----------|-----|----------------------------|---|
| D1       | D2       | L   |                            | STAUFF Ordering Codes                     |
| M24x2    |          |     | Aluminium with steel cable | HS04-0-SI001                              |
| IVIE TAE |          |     | Adminiant with stoor educe | QRC-HS-06-DF-19-W89-SI                    |
| M28x2    |          |     | Aluminium with steel cable | HS08-0-SI001                              |
| WIZOAZ   |          |     | Aluminum vitti ateci cabic | QRC-HS-10-DF-23-W89-SI                    |
| M36x2    |          |     | Aluminium with steel cable | HS10-0-SI001                              |
| MOOKE    |          |     | Aluminium with steel cable | QRC-HS-12-DF-30-W89-SI                    |
| M42x2    |          |     | Aluminium with steel cable | HS12-0-SI001                              |
| IVI42X2  |          |     | Aluminium with steel cable | QRC-HS-19-DF-37-W89-SI                    |
| M48x3    |          |     | Aluminium with steel cable | HS20-0-SI001                              |
| IVI46X3  |          |     | Aluminium with steel cable | QRC-HS-25-DF-41-W89-SI                    |
| M70x3    |          |     | Aluminium with steel cable | HS25-0-SI001                              |
| IVI7 UX3 |          |     | Aluminium with steel cable | QRC-HS-38-DF-55-W89-SI                    |

| Dimen<br>(mm/in) | sions |   | Material                               | Dust Plug for Male Tip Old Part Numbers |  |
|------------------|-------|---|--|---|--|
| D1               | D2    | L |  | STAUFF Ordering Codes                   |  |
| MOLO             |       |   | At and a Common Mile or As all and the | HS04-9-SI001                            |  |
| M24x2            |       |   | Aluminium with steel cable             | QRC-HS-06-DM-19-W89-SI                  |  |
| *****            |       |   | 81                                     | HS08-9-SI001                            |  |
| M28x2            |       |   | Aluminium with steel cable             | QRC-HS-10-DM-23-W89-SI                  |  |
| Macua            |       |   | Alicentations with about autilia       | HS10-9-SI001                            |  |
| M36x2            |       |   | Aluminium with steel cable             | QRC-HS-12-DM-30-W89-SI                  |  |
| *****            |       |   | Aluminium with steel cable             | HS12-9-SI001                            |  |
| M42x2            |       |   | Aluminium with steel cable             | QRC-HS-19-DM-37-W89-SI                  |  |
| 111000           |       |   | Alternatives with attack ashin         | HS20-9-SI001                            |  |
| M48x3            |       |   | Aluminium with steel cable             | QRC-HS-25-DM-41-W89-SI                  |  |
| M700             |       |   | At an interest and a start and in      | HS25-9-SI001                            |  |
| M70x3            |       |   | Aluminium with steel cable             | QRC-HS-38-DM-55-W89-SI                  |  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT.

Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

# Series PS • Carbon Steel

| Series PS = Overview                     | 132 |
|--|-----|
| Series PS-25 • BG 10 • Nominal Size 31,5 | 133 |
| Series PS = Dust Protection              | 133 |



#### Series PS . Carbon Steel

| Material                  | Carbon Steel                   |  |
|---------------------------|--------------------------------|--|
| Surface Finishing         | Zinc-Nickel                    |  |
| Standard Seal Material(s) | HNBR, FKM (Viton®), PTFE 2     |  |
| Working Temperature       | -20° C +100° C / -4° F +212° F |  |
| Valve Design              | Poppet Valve                   |  |
| Connection                | Screw                          |  |
| Disconnection             | Screw                          |  |
| Connect Under Pressure    | not allowed                    |  |
| Application               | Construction Machinery         |  |
| ISO Interchange           | *                              |  |

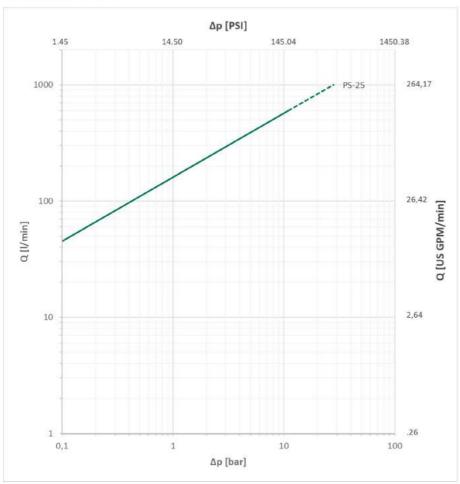


### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q <sub>max</sub> |        | Workin | g Pressure |      | g Pressure<br>nnected |      | nale Body | M    | ale Tip | Spillage | e     |
|--------|----|------------|--------------|------------------|--------|--------|------------|------|-----------------------|------|-----------|------|---------|----------|-------|
|        |    | Inch       | ISO 4397     | I/min            | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI     | ml       | fl oz |
| PS-25  | 10 | 1 1/4"     | 31,5         | 600 (1000)*      | 158.50 | 380    | 5511       | 1520 | 22046                 | 1520 | 22046     | 1520 | 22046   | 27       | .9130 |

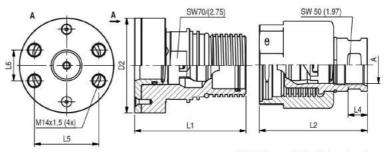
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.  $^{\star}$  short term possible

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm<sup>2</sup>/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.

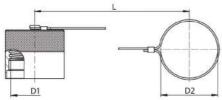


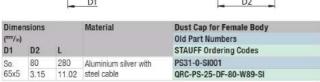
SW: Width across flats. All dimensions in mm (inch).

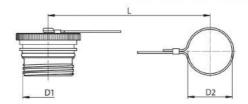
# Series PS-25 - BG 10 - Nominal Size 31,5

|   | Port A          | Dimer<br>(****/ <sub>in</sub> )<br>ØD2 | nsions<br>L1  | L2          | L3 | L4  | L5           | L6           | Old Part Numbers STAUFF Ordering Codes  | Weight<br>(*g/lbs) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | (*º/ibs) C8<br>per 100 |
|---|-----------------|--|---------------|-------------|----|-----|--------------|--------------|---|-----------------------------------|---|------------------------|
|   | Flange SAE 6000 | ) PSI                                  |               |             |    |     |              |              |   |                                   |   |                        |
| • | 1" 1/4          | 98                                     | 115,5<br>3.86 | 4.55        |    |     | 66,7<br>2,62 | 31,8<br>1.24 | PS31-1-AFS32<br>QRC-PS-25-F-C620M-S3-W3 | 300,40<br>662.27                  |   |                        |
|   |                 |  |               |             |    |     |              |              | SW70 (2.75)                             | 6                                 | sw:   | 50 (1.97)              |
|   | Female Thread a | eccording                              | to SAE .      | J1926-1     | 4  | A   | L4           |              | (#SE) 980                               |                                   | L2 L4   |                        |
|   | Female Thread a | ecording                               | to SAE 、      | 112         |    | 19  | L4           |              |   |                                   | PS-25-2-IUF20                                   | 262,60                 |
|   |                 |  |               | 112<br>4.41 | 4  | ļ — | L4           |              |   |                                   | 12  | 262,60                 |
|   | UN 1" 5/8 -12   |  |               | 112<br>4.41 | 4  | 19  | L4           |              |   | 244                               | PS-25-2-IUF20                                   |                        |

# Series PS • Dust Protection







| Dimer | nsions |      | Material              | Dust Plug for Male Tip Old Part Numbers |
|-------|--------|------|-----------------------|---|
| D1    | D2     | L    |                       | STAUFF Ordering Codes                   |
| So.   | 56     | 240  | Aluminium silver with | PS31-9-SI001                            |
| 65x5  | 2.20   | 9.45 | steel cable           | QRC-PS-25-DM-56-W89-SI                  |

# Series RH/RK • Carbon Steel

| Series RH/RK = Overview                 | 136 |
|---|-----|
| Series RH-10 • BG 2 • Nominal Size 10   | 137 |
| Series RH-12 • BG 3 • Nominal Size 12,5 | 137 |
| Series RH-16 • BG 4 • Nominal Size 16   | 138 |
| Series RK-19 * BG 6 * Nominal Size 19   | 138 |
| Series RH-25 • BG 8 • Nominal Size 25   | 139 |
| Series RH/RK - Dust Protection          | 139 |



RH/RK

### Series RH/RK • Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Nickel  |  |
| Standard Seal Material(s) | NBR (Buna-N/B), PTFE 2                                     |  |
| Working Temperature       | -20° C +100° C / -4° F +212° F                             |  |
| Valve Design              | Flat Valve   |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | Max. 20 bar / 290 PSI Residual Pressure with Tools allowed |  |
| Application               | Construction Machinery                                     |  |
| ISO Interchange           | •  |  |

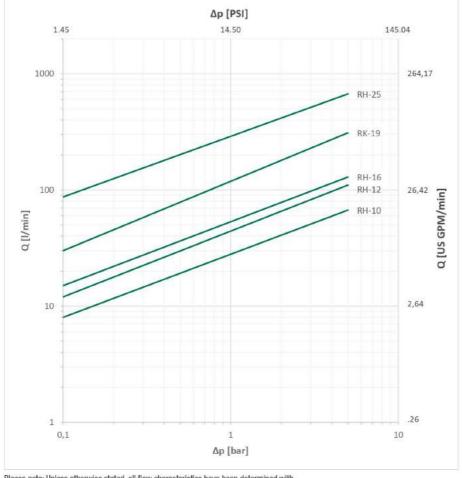


### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure* |      | g Pressure<br>nnected |      | nale Body | N    | lale Tip | Spillag | е     |
|--------|----|------------|--------------|-------|--------|--------|--------------|------|-----------------------|------|-----------|------|----------|---------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI          | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml      | fl oz |
| RH-10  | 2  | 3/8"       | 10           | 46    | 12.15  | 420    | 6092         | 1300 | 18855                 | 1350 | 19580     | 1450 | 21030    | 0,1     | .0034 |
| RH-12  | 3  | 1/2"       | 12,5         | 90    | 23.78  | 420    | 6092         | 1260 | 18275                 | 1260 | 18275     | 1260 | 18275    | 0,16    | .0054 |
| RH-16  | 4  | 5/8"       | 16           | 148   | 39.10  | 420    | 6092         | 1260 | 18275                 | 1260 | 18275     | 1260 | 18275    | 1,02    | .0344 |
| RK-19  | 6  | 3/4"       | 19           | 200   | 52.83  | 350    | 5076         | 1000 | 14504                 | 1000 | 14504     | 1200 | 17404    | 0,86    | .0291 |
| RH-25  | 8  | 1"         | 25           | 500   | 132.09 | 420    | 6092         | 1150 | 16679                 | 1100 | 15954     | 900  | 13053    | 2.84    | .0960 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.  $^{\star}$  in connected and disconnected condition.

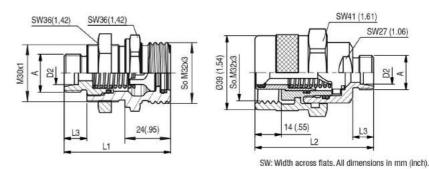
#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm<sup>2</sup>/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

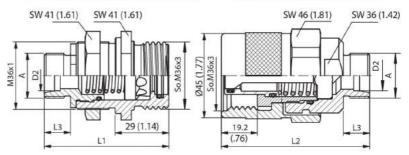
<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request,





Series RH-10 • BG 2 • Nominal Size 10

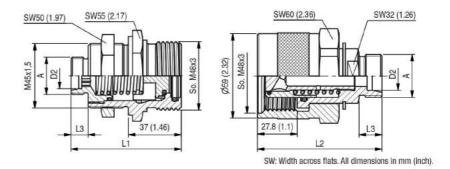
|                       | Port A        | Dimer        | nsions   |          |           | Female Body           | Weight       | Male Tip              | Weight      |
|-----------------------|---------------|--------------|----------|----------|-----------|-----------------------|--------------|-----------------------|-------------|
|                       |               | (mm/in)      |          |          |           | Old Part Numbers      | (kg/tts) Ca. | Old Part Numbers      | (kg/lbs) Ca |
|                       |               | ØD2          | L1       | L2       | L3 L      | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100     |
|                       | Male Thread v | with 24° Con | ical Bor | e - Shap | e W accor | ling to DIN 3861      |              |                       |             |
|                       | List Aud E    | OI.          | 54       | 61       | 10        | RH08-1-L0814          | 20,80        | RH08-2-L0814          | 31,80       |
|                       | M14x1.5       | 8L           | 2.13     | 2.40     | .39       | QRC-RH-10-F-08L-S1-W3 | 45.86        | QRC-RH-10-M-08L-BT-W3 | 70.11       |
|                       | M16x1.5       | 10L          | 55       | 61       | 11        | RH08-1-L1016          | 21           | RH08-2-L1016          | 32          |
|                       | G.TXOTIVI     | TUL          | 2.17     | 2.40     | .43       | QRC-RH-10-F-10L-S1-W3 | 46.30        | QRC-RH-10-M-10L-BT-W3 | 70.55       |
|                       | MIDIE         | 12L          | 55       | 61       | 11        | RH08-1-L1218          | 21,20        | RH08-2-L1218          | 32,20       |
| 11                    | M18x1.5       | IZL          | 2.17     | 2.40     | .43       | QRC-RH-10-F-12L-S1-W3 | 46.74        | QRC-RH-10-M-12L-BT-W3 | 70.99       |
|                       | M22x1.5       | 15L          | 56       | 62       | 12        | RH08-1-L1522          | 22           | RH08-2-L1522          | 32,90       |
| 1                     | WIZZXI,U      | TOL          | 2.20     | 2.44     | .47       | QRC-RH-10-F-15L-S1-W3 | 48.50        | QRC-RH-10-M-15L-BT-W3 | 72.53       |
| U <sub>1</sub>   8] « | M18x1.5       | 108          | 56       | 62       | 12        | RH08-1-S1018          | 21,50        | RH08-2-S1018          | 32,60       |
|                       | WITOXI.3      | 105          | 2.20     | 2.44     | .47       | QRC-RH-10-F-10S-S1-W3 | 47.40        | QRC-RH-10-M-10S-BT-W3 | 71.87       |
|                       | M20x1.5       | 125          | 56       | 62       | 12        | RH08-1-S1220          | 22           | RH08-2-S1220          | 33          |
|                       | WZUX1.5       | 123          | 2.20     | 2.44     | .47       | QRC-RH-10-F-12S-S1-W3 | 48.50        | QRC-RH-10-M-12S-BT-W3 | 72.75       |
|                       | M22x1.5       | 148          | 58       | 64       | 14        | RH08-1-S1422          | 22,70        | RH08-2-S1422          | 33,80       |
|                       | WIZZAT.3      | 143          | 2.28     | 2.52     | .55       | QRC-RH-10-F-14S-S1-W3 | 50.04        | QRC-RH-10-M-14S-BT-W3 | 74.52       |
|                       | M24x1.5       | 16S          | 58       | 64       | 14        | RH08-1-S1624          | 23           | RH08-2-S1624          | 33,90       |
|                       | C.1x+2m       | 100          | 2.28     | 2.52     | .55       | QRC-RH-10-F-16S-S1-W3 | 50.71        | QRC-RH-10-M-16S-BT-W3 | 74.74       |



#### SW: Width across flats. All dimensions in mm (inch).

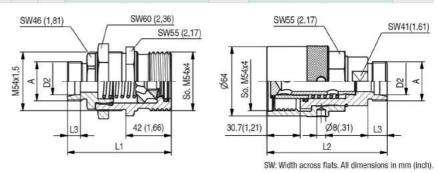
# Series RH-12 • BG 3 • Nominal Size 12,5

|       | Port A             | Dimen         | sions      |            |           |         | Female Body                           | Weight       | Male Tip                              | Weight          |
|-------|--------------------|---------------|------------|------------|-----------|---------|---------------------------------------|--------------|---------------------------------------|-----------------|
|       |                    | (mm/in)       |            |            |           |         | Old Part Numbers                      | (kg/fbs) ca. | Old Part Numbers                      | (kg/lbs) Ca     |
|       |                    | ØD2           | L1         | L2         | L3        | L4      | STAUFF Ordering Codes                 | per 100      | STAUFF Ordering Codes                 | per 100         |
|       | Male Thread w      | vith 24° Coni | cal Bor    | e - Shap   | e W acc   | cording | to DIN 3861                           |              |                                       |                 |
|       | D020002            |               | 65         | 78         | 12        |         | RH12-1-L1522                          | 31,20        | RH12-2-L1522                          | 56,40           |
|       |                    |               |            |            |           |         |                                       |              |                                       |                 |
| 13    | M22x1.5            | 15L           | 2.56       | 3.07       | .47       |         | QRC-RH-12-F-15L-S1-W3                 | 68.78        | QRC-RH-12-M-15L-BT-W3                 | 124.34          |
|       |                    |               | 2.56<br>67 | 3.07<br>80 | .47<br>14 |         | QRC-RH-12-F-15L-S1-W3<br>RH12-1-S1624 | 68.78<br>32  | QRC-RH-12-M-15L-BT-W3<br>RH12-2-S1624 |                 |
| 1 8 - | M22x1.5<br>M24x1.5 | 15L<br>16S    |            |            |           |         |                                       |              |                                       | 124.34          |
| 3 8   |                    |               | 67         | 80         | 14        |         | RH12-1-S1624                          | 32           | RH12-2-S1624                          | 124.34<br>57,30 |

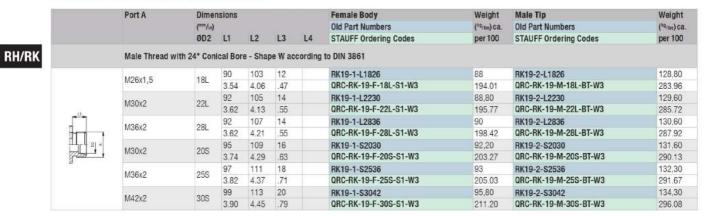


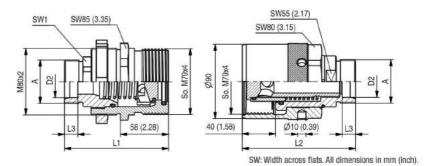
#### Series RH-16 \* BG 4 \* Nominal Size 16

|          | Port A        | Dime         | nsions   |          |         |         | Female Body           | Weight       | Male Tip              | Weight       |
|----------|---------------|--------------|----------|----------|---------|---------|-----------------------|--------------|-----------------------|--------------|
|          |               | (mm/in)      |          |          |         |         | Old Part Numbers      | (kg/los) ca. | Old Part Numbers      | (kg/ibs) ca. |
|          |               | ØD2          | L1       | L2       | L3      | L4      | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100      |
|          | Male Thread v | with 24° Con | ical Bor | e - Shap | oe W ac | cording | to DIN 3861           |              |                       |              |
|          | MOONT 5       | 451          | 77       | 77       | 12      |         | RH16-1-L1522          | 61,40        | RH16-2-L1522          | 94           |
| 13_      | M22x1,5       | 15L          | 3.03     | 3.03     | .47     |         | QRC-RH-16-F-15L-S1-W3 | 135.36       | QRC-RH-16-M-15L-BT-W3 | 207.23       |
|          | 1400-4 5      | 18L          | 77       | 77       | 12      |         | RH16-1-L1826          | 61,60        | RH16-2-L1826          | 94,30        |
| Here .   | M26x1,5       | 18L          | 3.03     | 3.03     | .47     |         | QRC-RH-16-F-18L-S1-W3 | 135.80       | QRC-RH-16-M-18L-BT-W3 | 207.90       |
| 11, 1 3, | 1404-4-5      | 400          | 79       | 79       | 14      |         | RH16-1-S1624          | 61,70        | RH16-2-S1624          | 94,50        |
| 72       | M24x1,5       | 16S          | 3.11     | 3.11     | .55     |         | QRC-RH-16-F-16S-S1-W3 | 136.03       | QRC-RH-16-M-16S-BT-W3 | 208.34       |
| ы        | M20-0         | 000          | 81       | 81       | 16      |         | RH16-1-S2030          | 62           | RH16-2-S2030          | 94,90        |
|          | M30x2         | 20S          | 3.19     | 3.19     | .63     |         | QRC-RH-16-F-20S-S1-W3 | 136.69       | QRC-RH-16-M-20S-BT-W3 | 209.22       |



# Series RK-19 \* BG 6 \* Nominal Size 19

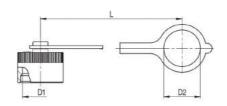


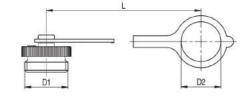


### Series RH-25 • BG 8 • Nominal Size 25

|     | Port A         | Dimer      | nsions      |             |           |               | Female Body  | Weight        | Male Tip   | Weight        |
|-----|----------------|------------|-------------|-------------|-----------|---------------|--|---------------|--|---------------|
|     |                | (mm/in)    |             |             |           |               | Old Part Numbers   | (kg/lbs) ca.  | Old Part Numbers   | (kg/lbs) ca   |
|     |                | ØD2        | L1          | L2          | L3        | L4 SW1        | STAUFF Ordering Codes  | per 100       | STAUFF Ordering Codes  | per 100       |
|     | Male Thre      | ead with 2 | 4° Con      | ical Bor    | e - Shaj  | e W according | to DIN 3861  |               |  |               |
| 22  | M45x2          | 35L        | 122         | 136         | 16        | 46            | RH25-1-L3545   | 273           | RH25-2-L3545   | 335           |
| • 1 | WH5XZ          | SOL        | 4.80        | 5.35        | .63       | 1.81          | QRC-RH-25-F-35L-S1-W3  | 601.86        | QRC-RH-25-M-35L-BT-W3  | 738.55        |
|     |                |            |             |             |           |               |  |               |  |               |
|     | MEGUO          | 401        | 122         | 136         | 16        | 55            | RH25-1-L4252   | 283           | RH25-2-L4252   | 335           |
|     | M52x2          | 42L        | 122<br>4.80 | 136<br>5.35 | 16<br>.63 | 55<br>2.17    | RH25-1-L4252<br>QRC-RH-25-F-42L-S1-W3  | 283<br>623.91 | RH25-2-L4252<br>QRC-RH-25-M-42L-BT-W3  | B200 0000 000 |
|     | M52x2<br>M52x2 | 42L<br>38S |             | 1000        | 110       | 17,500        | ENGLISHED CONTRACTOR OF CONTRA |               | THE RESIDENCE OF THE PARTY OF T | 335           |

### Series RH/RK • Dust Protection





| Dimen:<br>(""/in)<br>D1 | sions<br>D2 | L    | Material                 | Dust Cap for Female Body Old Part Numbers STAUFF Ordering Codes |  |
|-------------------------|-------------|------|--------------------------|---|--|
|                         | 36,5        | 190  | DI - 11 - 10 - 1 - D - 1 | RH08-0-RT001  |  |
| M32x3                   | 1.44        | 7.48 | Plastic (Colour: Red)    | QRC-RH-10-DF-37-K-RD  |  |
|                         | 29,5        | 185  | 0                        | RH08-0-RT006  |  |
| M32x3                   | 1.16        | 7.28 | Plastic (Colour: Red)    | QRC-RH-10-DF-30-K-RD  |  |
|                         | 41          | 190  |                          | RH12-0-RT001  |  |
| M36x3                   | 1.61        | 7.48 | Plastic (Colour: Red)    | QRC-RH-12-DF-41-K-RD  |  |
|                         | 55          | 210  |                          | RH16-0-RT001  |  |
| M48x3                   | 2.17        | 8.27 | Plastic (Colour: Red)    | QRC-RH-16-DF-55-K-RD  |  |

| Dimen:<br>(****/in)<br>D1 | sions<br>D2 | L    | Material              | Dust Plug for Male Tip Old Part Numbers STAUFF Ordering Codes |
|---------------------------|-------------|------|-----------------------|---|
| Man                       | 29,5        | 185  | Disable (Calcum Park  | RH08-9-RT001  |
| M32x3                     | 1.16        | 7.28 | Plastic (Colour: Red) | QRC-RH-10-DM-30-K-RD  |
|                           | 29,5        | 185  | 51 11 15 1 5 1        | RH12-9-RT001  |
| M36x3                     | 1.16        | 7.28 | Plastic (Colour: Red) | QRC-RH-12-DM-30-K-RD  |
|                           | 36,5        | 190  | District Date of Date | RH16-9-RT001  |
| M48x3                     | 1.44        | 7.48 | Plastic (Colour: Red) | QRC-RH-16-DM-37-K-RD  |



| ese. | READING NO. |
|------|-------------|
|      | and the     |
|      | *           |
|      | A           |
| D1   | U           |

| Dimensions<br>(****/in)<br>D1 D2 L |  | L | Material                       | Dust Cap for Female Body Old Part Numbers STAUFF Ordering Codes |  |  |  |  |  |
|------------------------------------|--|---|--------------------------------|---|--|--|--|--|--|
| So.<br>M48x3                       |  |   | Aluminium silver with<br>chain | RH16-0-SI001<br>QRC-RH-16-DF-CN-W89-SI                          |  |  |  |  |  |
| So.<br>M54x4                       |  |   | Aluminium silver with chain    | RH20-0-SI001<br>QRC-RH-19-DF-CN-W89-SI                          |  |  |  |  |  |
| So.<br>M79x4                       |  |   | Aluminium silver with chain    | RH25-0-SI001<br>QRC-RH-25-DF-CN-W89-SI                          |  |  |  |  |  |

| Dimen<br>(mm/in)<br>D1 | sions<br>D2 | ı   | Material              | Dust Plug for Male Tip Old Part Numbers STAUFF Ordering Codes |
|------------------------|-------------|-----|-----------------------|---|
| So.                    |             |     | Aluminium silver with | RH16-9-SI001  |
| M48x3                  |             |     | chain                 | QRC-RH-16-DM-CN-W89-SI  |
| So.                    |             |     | Aluminium silver with | RH20-9-SI001  |
| M54x4                  |             |     | chain                 | QRC-RH-19-DM-CN-W89-SI  |
| So.                    |             |     | Aluminium silver with | RH25-9-SI001  |
| M79x4                  |             | l l | chain                 | QRC-RH-25-DM-CN-W89-SI  |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

146

| Series FT = Overview                     | 142 | Series FT = Dust Protection |
|--|-----|-----------------------------|
| Series FT-10 * BG 2 * Nominal Size 10    | 143 |                             |
| Series FT-12 • BG 3 • Nominal Size 12,5  | 143 |                             |
| Series FT-16 = BG 4 = Nominal Size 16    | 144 |                             |
| Series FT-19 * BG 6 * Nominal Size 19    | 144 |                             |
| Series FT-25 * BG 8 * Nominal Size 25    | 145 |                             |
| Series FT-31 • BG 10 • Nominal Size 31,5 | 145 |                             |



### Series FT - Carbon Steel

| Material                  | Carbon Steel                                     |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Nickel                                      |  |
| Standard Seal Material(s) | NBR (Buna-N®), PTFE 2                            |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                  |  |
| Valve Design              | Flat Face  |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | Male Tip up to the max. Working Pressure allowed |  |
| Application               | Construction Machinery, Industrial Hydraulic     |  |
| ISO Interchange           | *  |  |

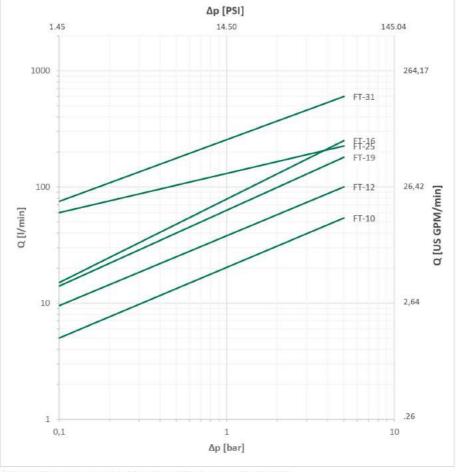


### **Technical Data**

| Series | BG | DN<br>Zoll<br>Inch | DN<br>metric | Q <sub>max</sub> |        | Working Pressure |      | Bursting Pressure<br>Connected |       | Female Body |       | Male Tip |       | Spillage |       |
|--------|----|--------------------|--------------|------------------|--------|------------------|------|--------------------------------|-------|-------------|-------|----------|-------|----------|-------|
|        |    |                    | ISO 4397     | I/min            | US GPM | bar              | PSI  | bar                            | PSI   | bar         | PSI   | bar      | PSI   | ml       | fl oz |
| FT-10  | 2  | 3/8"               | 10           | 80               | 21.13  | 550              | 7977 | 1400                           | 20305 | 1100        | 15954 | 1400     | 20305 | 0,04     | .0014 |
| FT-12  | 3  | 1/2"               | 12,5         | 120              | 31.70  | 550              | 7977 | 1400                           | 20305 | 1000        | 14504 | 1400     | 20305 | 0,025    | .0008 |
| FT-16  | 4  | 5/8"               | 16           | 140              | 36.98  | 550              | 7977 | 1400                           | 20305 | 1000        | 14504 | 1600     | 23206 |          |       |
| FT-19  | 6  | 3/4"               | 19           | 180              | 47.55  | 500              | 7252 | 1400                           | 20305 | 1050        | 15229 | 1400     | 20305 | 0,018    | .0006 |
| FT-25  | 8  | 1"                 | 25           | 260              | 68.68  | 470              | 6817 | 1300                           | 18855 | 1000        | 14504 | 1300     | 18855 | 0,06     | .0020 |
| FT-31  | 10 | 1 1/4"             | 31,5         | 600              | 158.50 | 400              | 5801 | 1100                           | 15954 | 1100        | 15954 | 1100     | 15954 |          |       |

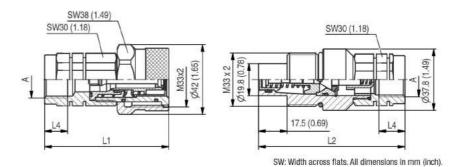
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

#### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



Series FT-10 \* BG 2 \* Nominal Size 10

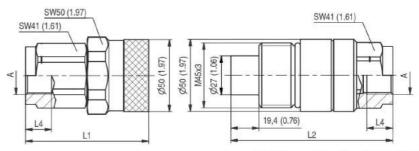
### Male Tip Female Body Port A Dimensions Weight (mm/in) **Old Part Numbers** (kg/tos) ca. **Old Part Numbers** (10/lbs) ca. ØD2 L2 L3 L4 STAUFF Ordering Codes per 100 STAUFF Ordering Codes per 100 Female Thread according to DIN 3852-2 - ANSI B 1.20.3 - SAE J1926-1 FT10-1-IGF06 36 FT10-2-IGF06 38,40 QRC-FT-10-F-G06-BT-W3 79.37 ORC-FT-10-M-G06-BT-W3 2.76 3.43 .47 84.66 75 90 14 FT10-1-IGF08 36,50 FT10-2-IGF08 37,90 G 1/2" 2.95 3.54 QRC-FT-10-F-G08-BT-W3 80.47 QRC-FT-10-M-G08-BT-W3 83.56 75 FT10-1-INF06 38,30 FT10-2-INF06 39,70 90 NPTF 3/8" -18 QRC-FT-10-F-NF06-BT-W3 QRC-FT-10-M-NF06-BT-W3 2.95 3.54 84.44 87.52 75 90 FT10-1-INF08 36.90 FT10-2-INF08 38.50 NPTF 1/2"-14 QRC-FT-10-F-NF08-BT-W3 QRC-FT-10-M-NF08-BT-W3 2.95 3.54 81.35 84.89 75 87 14,3 FT10-1-IUF08 37,30 FT10-2-IUF08 37,50 UNF 3/4" -16 2.95 3.43

# SW46 (1.81) SW36 (1.42) SW36 (1.81) SW36 (1.42) SW41 (1.61) SW41 (1.61) SW37 (1.82) SW41 (1.61) SW41 (1.61)

### SW: Width across flats. All dimensions in mm (inch).

Series FT-12 - BG 3 - Nominal Size 12,5

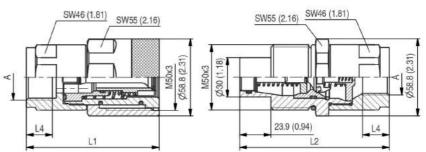
|          | Port A          | Dimension     | ns        |          |        | Female Body            | Weight       | Male Tip               | Weight       |
|----------|-----------------|---------------|-----------|----------|--------|------------------------|--------------|------------------------|--------------|
|          |                 | (mm/in)       |           |          |        | Old Part Numbers       | (kg/ibs) ca. | Old Part Numbers       | (kg/tbs) ca. |
|          |                 | ØD2 L1        | L2        | L3       | L4     | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100      |
|          | Female Thread a | ccording to D | IN 3852-2 | - ANSI B | 1.20.3 | - SAE J1926-1          |              |                        |              |
|          | G 1/2"          | 85            | 98        |          | 14,5   | FT12-1-IGF08           | 65,70        | FT12-2-IGF08           | 67,10        |
|          | 6 1/2           | 3.            | 35 3.86   |          | .57    | QRC-FT-12-F-G08-BT-W3  | 144.84       | QRC-FT-12-M-G08-BT-W3  | 147.93       |
|          | G 3/4"          | 85            | 104       |          | 16     | FT12-1-IGF12           | 62,50        | FT12-2-IGF12           | 69,10        |
|          | G 3/4           | 3.            | 35 4.09   |          | .63    | QRC-FT-12-F-G12-BT-W3  | 137.79       | QRC-FT-12-M-G12-BT-W3  | 152.34       |
| $\neg P$ | NDTE 4 /0" 4 /  | 85            | 104       |          |        | FT12-1-INF08           | 61,70        | FT12-2-INF08           | 73,10        |
| 11 Pr -1 | NPTF 1/2" -14   | 3.            | 35 4.09   |          |        | QRC-FT-12-F-NF08-BT-W3 | 136.03       | QRC-FT-12-M-NF08-BT-W3 | 161.16       |
| 1        | NPTF 3/4" -14   | 85            | 104       |          |        | FT12-1-INF12           | 63           | FT12-2-INF12           | 67,50        |
| и.       | WP1F 3/4 -14    | 3.            | 35 4.09   |          |        | QRC-FT-12-F-NF12-BT-W3 | 138.89       | QRC-FT-12-M-NF12-BT-W3 | 148.81       |
|          | UNE OWN AR      | 85            | 98        |          | 16     | FT12-1-IUF08           | 65,80        | FT12-2-IUF08           | 69,60        |
|          | UNF 3/4" -16    | 3.            | 35 3.86   |          | .63    | QRC-FT-12-F-U08-BT-W3  | 145.06       | QRC-FT-12-M-U08-BT-W3  | 153.44       |
|          | 10148446 40     | 85            | 104       |          | 19     | FT12-1-IUF12           | 61           | FT12-2-IUF12           | 68,50        |
|          | UN 1" 1/16 -12  | 3.            | 35 4.09   |          | .75    | QRC-FT-12-F-U12-BT-W3  | 134.48       | QRC-FT-12-M-U12-BT-W3  | 151.02       |



SW: Width across flats. All dimensions in mm (inch).

### Series FT-16 • BG 4 • Nominal Size 16

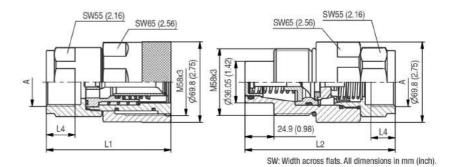
|     | Port A          | Dimensions           |          |           |          | Female Body            | Weight       | Male Tip               | Weight      |
|-----|-----------------|----------------------|----------|-----------|----------|------------------------|--------------|------------------------|-------------|
|     |                 | ( <sup>mm</sup> /in) |          |           |          | Old Part Numbers       | (kg/los) ca. | Old Part Numbers       | (*0/lbs) ca |
|     |                 | ØD2 L1               | L2       | L3        | L4       | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|     | Female Thread a | according to 3852    | -2 - ANS | SI B 1.20 | 0.3 - SA | E J1926-1              |              |                        |             |
|     | G 3/4"          | 85                   | 112      |           | 16       | FT16-1-IGF12           | 80,30        | FT16-2-IGF12           | 96,30       |
|     | G 3/4           | 3.35                 | 4.41     |           | .63      | QRC-FT-16-F-G12-BT-W3  | 177.03       | QRC-FT-16-M-G12-S2-W3  | 212.31      |
|     | G 1"            | 87                   | 114      |           | 18       | FT16-1-IGF16           | 76,80        | FT16-2-IGF16           | 92,80       |
| _H  | GI              | 3.43                 | 4.49     |           | .71      | QRC-FT-16-F-G16-BT-W3  | 169.31       | QRC-FT-16-M-G16-S2-W3  | 204.59      |
| 772 | NPTF 3/4" -14   | 85                   | 112      |           |          | FT16-1-INF12           | 79,80        | FT16-2-INF12           | 96,90       |
| 14  | NP1F 3/4 -14    | 3.35                 | 4.41     |           |          | QRC-FT-16-F-NF12-BT-W3 | 175.93       | QRC-FT-16-M-NF12-S2-W3 | 213.63      |
|     | UN 45 4 4 C 4 C | 85                   | 112      |           | 19       | FT16-1-IUF12           | 74,50        | FT16-2-IUF12           | 95,60       |
|     | UN 1" 1/16 -12  | 3.35                 | 4.41     |           | .75      | QRC-FT-16-F-U12-BT-W3  | 164.24       | QRC-FT-16-M-U12-S2-W3  | 210.76      |



SW: Width across flats, All dimensions in mm (inch).

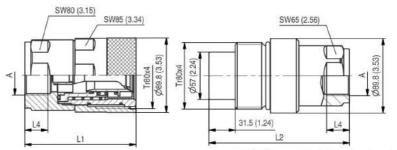
### Series FT-19 • BG 6 • Nominal Size 19

|      | Port A          | Dimen     | sions   |         |        |        | Female Body            | Weight       | Male Tip               | Weight       |
|------|-----------------|-----------|---------|---------|--------|--------|------------------------|--------------|------------------------|--------------|
|      |                 | (mm/in)   |         |         |        |        | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers       | (RO/Ibs) ca. |
|      |                 | ØD2       | L1      | L2      | L3     | L4     | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100      |
|      | Female Thread a | cording t | o DIN 3 | 852-2 - | ANSI B | 1.20.3 | - SAE J1926-1          |              |                        |              |
|      | 0.2(4)          |           | 101     | 114     |        | 16     | FT19-1-IGF12           | 135,50       | FT19-2-IGF12           | 106,10       |
|      | G 3/4"          |           | 3.98    | 4.49    |        | .63    | QRC-FT-19-F-G12-BT-W3  | 298.73       | QRC-FT-19-M-G12-BT-W3  | 233.91       |
|      | G 1"            |           | 101     | 114     |        | 18     | FT19-1-IGF16           | 129,80       | FT19-2-IGF16           | 101,40       |
|      | G I             |           | 3.98    | 4.49    |        | .71    | QRC-FT-19-F-G16-BT-W3  | 286.16       | QRC-FT-19-M-G16-BT-W3  | 223.55       |
| *    | NPTF 1" -11 1/2 |           | 101     | 114     |        |        | FT19-1-INF16           | 132          | FT19-2-INF16           | 102,80       |
| 14.2 | NP1F1 -11 1/2   |           | 3.98    | 4.49    |        |        | QRC-FT-19-F-NF16-BT-W3 | 291.01       | QRC-FT-19-M-NF16-BT-W3 | 226.64       |
|      | IN140 E/40 40   |           | 101     | 114     |        | 19     | FT19-1-IUF16           | 129,70       | FT19-2-IUF16           | 100,50       |
|      | UN 1" 5/16 -12  |           | 3.98    | 4.49    |        | .75    | QRC-FT-19-F-U16-BT-W3  | 285.94       | QRC-FT-19-M-U16-BT-W3  | 221.56       |



### Series FT-25 • BG 8 • Nominal Size 25

|           | Port A           | Dimensions     |            |               | Female Body            | Weight       | Male Tip               | Weight      |
|-----------|------------------|----------------|------------|---------------|------------------------|--------------|------------------------|-------------|
|           |                  | (mm/in)        |            |               | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers       | (*gnos) ca. |
|           |                  | ØD2 L1         | L2         | L3 L4         | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes  | per 100     |
|           | Female Thread ac | cording to DIN | 3852-2 - / | ANSI B 1.20.3 | - SAE J1926-1          |              |                        |             |
| Victoria. | G 1" 1/4         | 108            | 130        | 20            | FT25-1-IGF20           | 150,20       | FT25-2-IGF20           | 189,70      |
| P         | G 1 1/4          | 4.25           | 5.12       | .79           | QRC-FT-25-F-G20-BT-W3  | 331.13       | QRC-FT-25-M-G20-BT-W3  | 418.22      |
| Dr.       | NIDTE 41117 4417 | 108            | 130        |               | FT25-1-INF20           | 153,90       | FT25-2-INF20           | 191,90      |
| 72        | NPTF 1"¼ -11½    | 4.25           | 5.12       |               | QRC-FT-25-F-NF20-BT-W3 | 339.29       | QRC-FT-25-M-NF20-BT-W3 | 423.07      |
| 14        | UN 1" 5/8 - 12   | 108            | 130        | 19            | FT25-1-IUF20           | 152,30       | FT25-2-IUF20           | 190,40      |
|           | UN 1 5/8 - 12    | 4.25           | 5.12       | .75           | QRC-FT-25-F-U20-BT-W3  | 335.76       | QRC-FT-25-M-U20-BT-W3  | 419.76      |

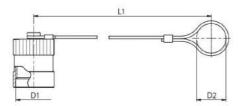


SW: Width across flats. All dimensions in mm (inch).

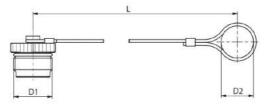
### Series FT-31 • BG 10 • Nominal Size 31,5

|             | Port A          | Dimensions      |          |        |        | Female Body            | Weight      | Male Tip               | Weight      |
|-------------|-----------------|-----------------|----------|--------|--------|------------------------|-------------|------------------------|-------------|
|             |                 | (mm/in)         |          |        |        | Old Part Numbers       | (kg/ms) Ca. | Old Part Numbers       | (kg/ms) ca. |
|             |                 | ØD2 L1          | L2       | L3     | L4     | STAUFF Ordering Codes  | per 100     | STAUFF Ordering Codes  | per 100     |
|             | Female Thread a | ccording to DIN | 3852-2 - | ANSI B | 1.20.3 | - SAE J1926-1          |             |                        |             |
|             | G 1" 1/2        | 134             | 169      |        | 22     | FT32-1-IGF24           | 442,20      | FT32-2-IGF24           | 402         |
| <b>⊟</b> P1 | 6 1 1/2         | 5.28            | 6.65     |        | .87    | QRC-FT-31-F-G24-S1-W3  | 974.88      | QRC-FT-31-M-G24-S2-W3  | 886.26      |
|             | NOTE 4817 44    | 134             | 169      |        |        | FT32-1-INF24           | 444,20      | FT32-2-INF24           | 404,10      |
|             | NPTF 1"1/2 -11  | 5.28            | 6.65     |        |        | QRC-FT-31-F-NF24-S1-W3 | 979.29      | QRC-FT-31-M-NF24-S2-W3 | 890.89      |
| 14          | 1014170 40      | 134             | 169      |        | 19     | FT32-1-IUF24           | 439,20      | FT32-2-IUF24           | 400,50      |
|             | UN 1" 7/8 -12   | 5.28            | 6.65     |        | .75    | QRC-FT-31-F-U24-S1-W3  | 968.27      | QRC-FT-31-M-U24-S2-W3  | 882.95      |

### Series FT • Dust Protection







| Dimens<br>(mm/in) | sions |       | Material              | Dust Plug for Female Body Old Part Numbers |
|-------------------|-------|-------|-----------------------|--|
| D1                | D2    | L     |                       | STAUFF Ordering Codes                      |
| *****             | 30    | 175   | Aluminium silver with | FT10-9-SI001                               |
| M33x2             | 1.18  | 6.89  | steel cable           | QRC-FT-10-DF-30-W89-SI                     |
| 1110.0            | 36    | 215   | Aluminium silver with | FT12-9-SI001                               |
| M40x3             | 1.42  | 8.46  | steel cable           | QRC-FT-12-DF-36-W89-SI                     |
| M45x3             | 42,5  | 230   | Aluminium silver with | FT16-9-SI001                               |
| IVI45X3           | 1.67  | 9.06  | steel cable           | QRC-FT-16-DF-43-W89-SI                     |
| 1150.0            | 46    | 245   | Aluminium silver with | FT19-9-SI001                               |
| M50x3             | 1.81  | 9.65  | steel cable           | QRC-FT-19-DF-46-W89-SI                     |
| 1150.0            | 55    | 275   | Aluminium silver with | FT25-9-SI001                               |
| M58x3             | 2.17  | 10.83 | steel cable           | QRC-FT-25-DF-55-W89-SI                     |
| TDOO              | 71,5  | 350   | Aluminium silver with | FT32-9-SI001                               |
| TR80x4            | 2.81  | 13.78 | steel cable           | QRC-FT-31-DF-72-W89-SI                     |

### Series HR • Carbon Steel

151

| Series HR • Overview                     | 148 | Series HR = Dust Protection |
|--|-----|-----------------------------|
| Series HR-10 = BG 2 = Nominal Size 10    | 149 |                             |
| Series HR-12 • BG 3 • Nominal Size 12,5  | 149 |                             |
| Series HR-19 = BG 6 = Nominal Size 19    | 149 |                             |
| Series HR-25 • BG 8 • Nominal Size 25    | 149 |                             |
| Series HR-31 • BG 10 • Nominal Size 31,5 | 150 |                             |
| Series HR-38 = BG 12 = Nominal Size 38   | 150 |                             |



### Series HR . Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Plating and Thick-Film-Passivation (Chrome III)           |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2  |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                                |  |
| Valve Design              | Poppet Valve   |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | Male Tip and Female Body up to max, 100 bar / 1450 PSI allowed |  |
| Application               | Construction Machinery   |  |
| ISO Interchange           | *  |  |

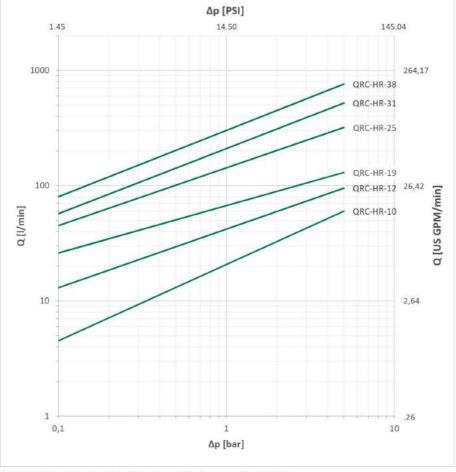


### **Technical Data**

| Series | BG | DN<br>Zoli | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | lale Tip | Spillage | 9      |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| HR-10  | 2  | 3/8"       | 10           | 50    | 13.21  | 610    | 8847       | 2450 | 35534                 | 2450 | 35534     | 2600 | 37710    | 2        | .0676  |
| HR-12  | 3  | 1/2"       | 12,5         | 85    | 22.45  | 470    | 6817       | 1900 | 27557                 | 2100 | 30458     | 1650 | 23931    | 3        | .1014  |
| HR-19  | 6  | 3/4"       | 19 (20)      | 120   | 31.70  | 310    | 4496       | 1250 | 18130                 | 1500 | 21756     | 1250 | 18130    | 10       | .3381  |
| HR-25  | 8  | 1"         | 25           | 280   | 73.97  | 300    | 4351       | 1300 | 18855                 | 1600 | 23206     | 1100 | 15954    | 16       | .5410  |
| HR-31  | 10 | 1 1/4"     | 31           | 460   | 121.52 | 300    | 4351       | 1300 | 18855                 | 1300 | 18855     | 1200 | 17404    | 30       | 1.0144 |
| HR-38  | 12 | 1 1/2"     | 38           | 700   | 184.92 | 270    | 3916       | 1100 | 15954                 | 1500 | 21756     | 950  | 13779    | 54       | 1.8260 |

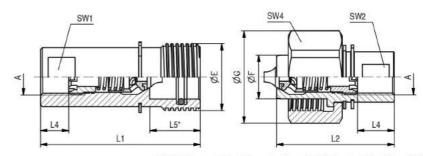
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HR-12.

\* Insertion Female Body.

### Series HR-10 • BG 2 • Nominal Size 10

|   | Port A    | Dime<br>(mm/in) | nsion | s        |        |      |        |     |     |     |      | Female Body<br>Old Part Numbers | Weight (hg/lbs) ca. | Male Tip Old Part Numbers | Weight<br>(kg/lbs) Ca |
|---|-----------|-----------------|-------|----------|--------|------|--------|-----|-----|-----|------|---------------------------------|---------------------|---------------------------|-----------------------|
|   |           | ØE              | ØF    | ØG       | L1     | L2   | L4 min | L5  | SW1 | SW2 | SW4  | STAUFF Ordering Codes           | per 100             | STAUFF Ordering Codes     | per 100               |
|   | Female Th | read acc        | ordin | g to DIM | N 3852 | 2    |        |     |     |     |      |                                 |                     |                           |                       |
|   |           | 36              | 22    | 49       | 77     | 57   | 12     | 22  | 22  | 22  | 45   | HR10-1-IGF06                    | 31,80               | HR10-2-IGF06              | 35,20                 |
| P | G 3/8"    | 1.42            | .87   | 1.93     | 3.03   | 2.24 | .47    | .87 | .87 | .87 | 1.77 | QRC-HR-10-F-G06-BT-W66          | 70.11               | QRC-HR-10-M-G06-B-W66     | 77.60                 |
| 1 | G 3/8     | 36              | 22    | 49       | 77     | 57   | 12     | 22  | 22  | 22  | 45   | HR10-3MIGF06                    | 37,10               | HR10-4MIGF06              | 41                    |
|   |           | 1.42            | .87   | 4.00     | 2.00   | 2.24 | 47     | .87 | .87 | .87 | 1 77 | QRC-HR-10-FD-G06-BT-W66-DM      | 81.79               | QRC-HR-10-MD-G06-B-W66-DM | 90.39                 |

### Series HR-12 • BG 3 • Nominal Size 12,5

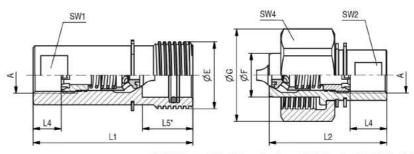
|     | Port A    | Dime     | nsion  | S     |        |      |        |      |      |      |      | Female Body                | Weight       | Male Tip                  | Weight      |
|-----|-----------|----------|--------|-------|--------|------|--------|------|------|------|------|----------------------------|--------------|---------------------------|-------------|
|     |           | (mm/in)  | )      |       |        |      |        |      |      |      |      | Old Part Numbers           | (kg/ibs) ca. | Old Part Numbers          | (1g/lbs) ca |
|     |           | ØE       | ØF     | ØG    | L1     | L2   | L4 min | L5   | SW1  | SW2  | SW4  | STAUFF Ordering Codes      | per 100      | STAUFF Ordering Codes     | per 100     |
|     | Female Th | read acc | ording | to DI | 1 3852 | !    |        |      |      |      |      |                            |              |                           |             |
|     |           | 40       | 26     | 55    | 95     | 70   | 14     | 30   | 26   | 26   | 50   | HR12-1-IGF08               | 48,40        | HR12-2-IGF08              | 48          |
| PI  | G 1/2"    | 1.57     | 1.02   | 2.16  | 3.74   | 2.76 | .55    | 1.18 | 1.02 | 1.02 | 1.97 | QRC-HR-12-F-G08-BT-W66     | 106.70       | QRC-HR-12-M-G08-B-W66     | 105.82      |
| 114 | G 1/2     | 40       | 26     | 55    | 95     | 70   | 14     | 30   | 26   | 26   | 50   | HR12-3MIGF08               | 54           | HR12-4MIGF08              | 56,60       |
|     |           | 1.57     | 1.02   | 040   | 2.74   | 2.76 | .55    | 1.18 | 1.02 | 1.02 | 1.97 | QRC-HR-12-FD-G08-BT-W66-DM | 119.05       | QRC-HR-12-MD-G08-B-W66-DM | 124.78      |

### Series HR-19 • BG 6 • Nominal Size 19

| Port A    | Dime     | nsion  | S     |        |      |        |      |      |      |      | Female Body            | Weight       | Male Tip              | Weight      |
|-----------|----------|--------|-------|--------|------|--------|------|------|------|------|------------------------|--------------|-----------------------|-------------|
|           | (mm/in)  |        |       |        |      |        |      |      |      |      | Old Part Numbers       | (kg/lbs) Ca. | Old Part Numbers      | (kg/lbs) ca |
|           | ØE       | ØF     | ØG    | L1     | L2   | L4 min | L5   | SW1  | SW2  | SW4  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100     |
| Female Th | read acc | ording | to DI | 1 3852 |      |        |      |      |      |      |                        |              |                       |             |
|           | 44,7     | 26     | 60    | 99     | 73   | 16     | 30   | 30   | 30   | 60   | HR19-1-IGF12           | 66           | HR19-2-IGF12          | 59,90       |
| 0.0748    | 1.76     | 1.02   | 2.36  | 3.90   | 2.87 | .63    | 1.18 | 1.18 | 1.18 | 2.36 | QRC-HR-19-F-G12-BT-W66 | 145.51       | QRC-HR-19-M-G12-B-W66 | 132.06      |
|           |          |        |       |        |      |        |      |      |      |      |                        |              |                       |             |
| G 3/4"    | 44,7     | 26     | 60    | 99     | 73   | 16     | 30   | 30   | 30   | 60   | HR19-3MIGF12           | 72,80        | HR19-4MIGF12          | 68          |

### Series HR-25 • BG 8 • Nominal Size 25

|   | Port A    | 10000000 | nsion  | 5      |      |      |        |      |      |      |      | Female Body                | Weight      | Male Tip                  | Weight      |
|---|-----------|----------|--------|--------|------|------|--------|------|------|------|------|----------------------------|-------------|---------------------------|-------------|
|   |           | (mm/in)  |        |        |      |      |        |      |      |      |      | Old Part Numbers           | (ignos) ca. | Old Part Numbers          | (*Pribs) Ca |
|   |           | ØE       | ØF     | ØG     | L1   | L2   | L4 min | L5   | SW1  | SW2  | SW4  | STAUFF Ordering Codes      | per 100     | STAUFF Ordering Codes     | per 100     |
|   | Female Th | read acc | ording | to DIN | 3852 |      |        |      |      |      |      |                            |             |                           |             |
|   |           | 58       | 36,8   | 77     | 106  | 81   | 18     | 30   | 40   | 40   | 77   | HR25-1-IGF16               | 117,90      | HR25-2-IGF16              | 114,7       |
| 1 | G 1"      | 2.28     | 1.45   | 3.02   | 4.17 | 3.19 | .71    | 1.18 | 1.57 | 1.57 | 3.02 | QRC-HR-25-F-G16-BT-W66     | 259.93      | QRC-HR-25-M-G16-B-W66     | 252.87      |
| 1 | G I       | 58       | 36,8   | 77     | 106  | 81   | 18     | 30   | 40   | 40   | 77   | HR25-3MIGF16               | 125,70      | HR25-4MIGF16              | 125,80      |
| - |           | 2.28     | 1.45   | 3.02   | 4.17 | 3.19 | .71    | 1.18 | 1.57 | 1.57 | 3.02 | QRC-HR-25-FD-G16-BT-W66-DM | 277.12      | QRC-HR-25-MD-G16-B-W66-DM | 277.34      |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HR-12.

\* Insertion Female Body.

## Series HR-31 • BG 10 • Nominal Size 31,5

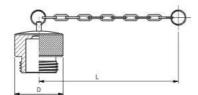
|   | Port A     | Dime               | nsion     | S       |      |      |        |      |      |       |      | Female Body            | Weight                   | Male Tip              | Weight                   |
|---|------------|--------------------|-----------|---------|------|------|--------|------|------|-------|------|------------------------|--------------------------|-----------------------|--------------------------|
|   |            | (mm/in)            |           |         |      |      |        |      |      |       |      | Old Part Numbers       | ( <sup>kg</sup> лье) са. | Old Part Numbers      | (kg/bs) ca               |
|   |            | ØE                 | ØF        | ØG      | L1   | L2   | L4 min | L5   | SW1  | SW2   | SW4  | STAUFF Ordering Codes  | per 100                  | STAUFF Ordering Codes | per 100                  |
|   | Female Thr | read acc           | ording    | to DIN  | 3852 |      |        |      |      |       |      |                        |                          |                       |                          |
|   |            |                    | 1 Ven     |         | 440  | 0.0  | 00     | nr.  | 48   | 40    | 88   | Upod 4 Iocoo           | 400.00                   | Upot a large          |                          |
|   |            | 66                 | 47        | 88      | 118  | 88   | 20     | 35   | 48   | 48    | 88   | HR31-1-IGF20           | 160,60                   | HR31-2-IGF20          | 180,30                   |
| ก | 0.4.4/4"   | 66<br>2.60         | 1.85      | 3.46    | -    | 3.46 | 1750   | 1.38 | 1.89 | 1.89  | 3.46 | QRC-HR-31-F-G20-BT-W66 | 354.06                   | QRC-HR-31-M-G20-B-W66 | 180,30<br>397.49         |
|   | G 1 1/4"   | deposition and the | William . | 1000000 | -    | 3.46 | 1750   |      | -    | - 662 |      |                        |                          |                       | - Control of the Control |

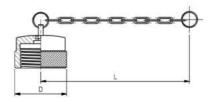
### Series HR-38 • BG 12 • Nominal Size 38

|     | Port A    | Dime     | ension | S      |        |      |        |      |      |      |      | Female Body                | Weight       | Male Tip                  | Weight     |
|-----|-----------|----------|--------|--------|--------|------|--------|------|------|------|------|----------------------------|--------------|---------------------------|------------|
|     |           | (mm/in   | )      |        |        |      |        |      |      |      |      | Old Part Numbers           | (kg/lbs) Ca. | Old Part Numbers          | (kg/ms) ca |
|     |           | ØE       | ØF     | ØG     | L1     | L2   | L4 min | L5   | SW1  | SW2  | SW4  | STAUFF Ordering Codes      | per 100      | STAUFF Ordering Codes     | per 100    |
|     | Female Th | read acc | ording | to DIN | N 3852 |      |        |      |      |      |      |                            |              |                           |            |
|     |           | 75       | 57     | 93     | 121    | 90   | 22     | 35   | 55   | 55   | 93   | HR38-1-IGF24               | 200,60       | HR38-2-IGF24              | 218,40     |
| 777 | 0.4.4.000 | 2.95     | 2.24   | 3.66   | 4.76   | 3.54 | .87    | 1.38 | 2.16 | 2.16 | 3.66 | QRC-HR-38-F-G24-BT-W66     | 442.25       | QRC-HR-38-M-G24-B-W66     | 481.49     |
| _H_ | G 1 1/2"  | 75       | 57     | 93     | 121    | 90   | 22     | 35   | 55   | 55   | 93   | HR38-3MIGF24               | 213,90       | HR38-4MIGF24              | 233,10     |
|     |           | 2.95     | 2.24   | 3.66   | 4.76   | 3.54 | .87    | 1.38 | 2.16 | 2.16 | 3.66 | QRC-HR-38-FD-G24-BT-W66-DM | 471.57       | QRC-HR-38-MD-G24-B-W66-DM | 513.90     |

### HR

### Series HR • Dust Protection





|               | imensions<br>'''/in) |       | Material                      | Dust Plug for Male Tip                 |  |
|---------------|----------------------|-------|-------------------------------|--|--|
| (mm/in)<br>D1 | D2                   | T.    |                               | Old Part Numbers STAUFF Ordering Codes |  |
| 48            | DE                   | 200   | 7                             | HR10-0-SW001                           |  |
| 1.89          |                      | 7.87  | Plastic (Colour: Black)       | ORC-HR-10-DM-CN-KI-BK                  |  |
| 51            |                      | 200   |                               | HR12-0-SW001                           |  |
| 2.01          |                      | 7.87  | Plastic (Colour: Black)       | QRC-HR-12-DM-CN-KI-BK                  |  |
| 57            |                      | 200   | Direction (Onlinear Direction | HR19-0-SW001                           |  |
| 2.24          |                      | 7.87  | Plastic (Colour: Black)       | QRC-HR-19-DM-CN-KI-BK                  |  |
| 68            |                      | 200   | Direction (Outcome Direction  | HR25-0-SW001                           |  |
| 2.68          |                      | 7.87  | Plastic (Colour: Black)       | QRC-HR-25-DM-CN-KI-BK                  |  |
| 76            |                      | 265   | Disable (Oslava Disab)        | HR31-0-SW001                           |  |
| 2.99          |                      | 10.43 | Plastic (Colour: Black)       | QRC-HR-31-DM-CN-KI-BK                  |  |
| 86            |                      | 265   | Plastic (Colour: Black)       | HR38-0-SW001                           |  |
| 3.39          |                      | 10.43 | Plastic (Colour; Black)       | QRC-HR-38-DM-CN-KI-BK                  |  |

| Dimensions<br>("""/in) |    |       | Material                 | Dust Cap for Female Body Old Part Numbers |
|------------------------|----|-------|--------------------------|---|
| D1                     | D2 | L     |                          | STAUFF Ordering Codes                     |
| 48                     |    | 200   | Disette (Deleue Bleek)   | HR10-9-SW001                              |
| 1.89                   |    | 7.87  | Plastic (Colour: Black)  | QRC-HR-10-DF-CN-KI-BK                     |
| 51                     |    | 200   | Directio (Colour Biock)  | HR12-9-SW001                              |
| 2.01                   |    | 7.87  | Plastic (Colour: Black)  | QRC-HR-12-DF-CN-KI-BK                     |
| 57                     |    | 200   | Disable (Oslawa Disab)   | HR19-9-SW001                              |
| 2.24                   |    | 7.87  | Plastic (Colour: Black)  | QRC-HR-19-DF-CN-KI-BK                     |
| 68                     |    | 200   | Diserve (Dalesse Diserve | HR25-9-SW001                              |
| 2.68                   |    | 7.87  | Plastic (Colour: Black)  | QRC-HR-25-DF-CN-KI-BK                     |
| 76                     |    | 265   | Disetta (Ostano Diseta)  | HR31-9-SW001                              |
| 2.99                   |    | 10.43 | Plastic (Colour: Black)  | QRC-HR-31-DF-CN-KI-BK                     |
| 85                     |    | 265   | Di-II- (O.I. DI-II)      | HR38-9-SW001                              |
| 3.35                   |    | 10.43 | Plastic (Colour: Black)  | QRC-HR-38-DF-CN-KI-BK                     |

In addition to the standard colours as stated above, plastic dust caps are also available in blue, green, yellow and black. Please use the old color codes BL, GN, GE and SW respectively instead of RT. Please use the STAUFF codes BU, GN, YE and BK respectively instead of RD.

### Series HH • Carbon Steel

| Series HH - Overview                     | 154 | Series HH-51 = BG 14 = Nominal Size 51 | 156 |
|--|-----|--|-----|
| Series HH-10 = BG 2 = Nominal Size 10    | 155 | Series HH • Dust Protection            | 157 |
| Series HH-12 • BG 3 • Nominal Size 12,5  | 155 |  |     |
| Series HH-19 = BG 6 = Nominal Size 19    | 155 |  |     |
| Series HH-25 • BG 8 • Nominal Size 25    | 155 |  |     |
| Series HH-31 • BG 10 • Nominal Size 31,5 | 156 |  |     |
| Series HH-38 = BG 12 = Nominal Size 38   | 156 |  |     |



### Series HH . Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Nickel  |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2  |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                        |  |
| Valve Design              | Poppet Valve   |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | Male Tip and Female Body allowed                       |  |
| Application               | Industrial Hydraulic, Rescue and Tensioning Hydraulics |  |
| ISO Interchange           | *  |  |

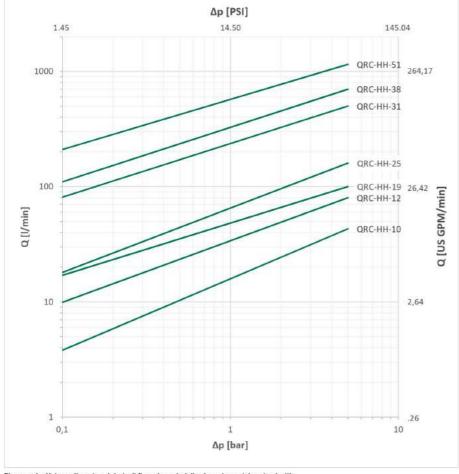


### **Technical Data**

| Series BG | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | lale Tip | Spillage |        |
|-----------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|           |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| HH-10     | 2  | 3/8"       | 10           | 18    | 4.75   | 650    | 9427       | 3000 | 43511                 | 3000 | 43511     | 3000 | 43511    | 1,9      | .0642  |
| HH-12     | 3  | 1/2"       | 12,5         | 23    | 6.08   | 600    | 8702       | 2200 | 31908                 | 2700 | 39160     | 2500 | 36259    | 2,7      | .0913  |
| HH-19     | 6  | 3/4"       | 19 (20)      | 45    | 11.89  | 500    | 7252       | 2100 | 30458                 | 2600 | 37710     | 2400 | 34809    | 9,3      | .3145  |
| HH-25     | 8  | 1"         | 25           | 106   | 28.00  | 460    | 6672       | 2000 | 29007                 | 2600 | 37710     | 2300 | 33359    | 16       | .5410  |
| HH-31     | 10 | 1 1/4"     | 31           | 189   | 49,93  | 360    | 5221       | 1500 | 21756                 | 1500 | 21756     | 1500 | 21756    | 30       | 1.0144 |
| HH-38     | 12 | 1 1/2"     | 38           | 300   | 79.25  | 360    | 5221       | 1500 | 21756                 | 1500 | 21756     | 1200 | 17404    | 54       | 1.8260 |
| HH-51     | 14 | 2"         | 51           | 757   | 199.98 | 210    | 3046       | 1050 | 15228                 | 1300 | 21756     | 1300 | 18855    | 120      | 4.0577 |

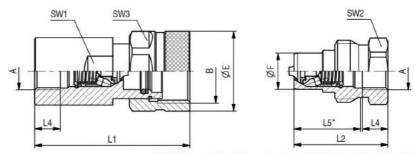
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HH-12.

\* Insertion Male Tip.

### Series HH-10 • BG 2 • Nominal Size 10

|   | Port A                  | Dime:<br>(mm/in) |               |               |            |      |        |      |      |      |              | Female Body<br>Old Part Numbers                | Weight (кр/нь) са. | Male Tip<br>Old Part Numbers   | Weight<br>( <sup>kq</sup> / <sub>lbs</sub> ) ca |
|---|-------------------------|------------------|---------------|---------------|------------|------|--------|------|------|------|--------------|--|--------------------|--|---|
|   |                         | ØE               | ØF            | В             | L1         | L2   | L4 min | L5   | SW1  | SW2  | SW3          | STAUFF Ordering Codes                          | per 100            | STAUFF Ordering Codes  | per 100   |
|   | Female Threa            | d acco           | ording        | to DIN 3852   | - ANS      | B 1. | 20.3   |      |      |      |              |  |                    |  |   |
|   |                         |                  | Dozon         |               |            | 2.00 |        |      |      |      |              |  |                    | 12222  |   |
|   | G 3/8"                  | 40               | 1 1/4" - RIIN | 76            | 48         | 12   | 34     | 30   | 32   | 36   | HH10-1-IGF06 | 34,40  | HH10-2-IGF06       | 15,50  |   |
| Ħ | G 3/8"                  | 1.57             |               | 1 1/4" - 8 UN | 76<br>2.99 | 1.89 | 170    | 1.34 | 1.18 | 1.26 | 1.42         | QRC-HH-10-F-G06-BT-W3                          | 34,40<br>75.84     | HH10-2-IGF06<br>QRC-HH-10-M-G06-B-W3   | 15,50<br>34.17                                  |
|   | G 3/8"<br>NPTF 3/8" -18 | 1.57             |               | 1 1/4" - 8 UN |            |      | 170    |      | 100  | -    | 193          | 4014 (h) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                    | AND ADDRESS AND AD |   |

### Series HH-12 - BG 3 - Nominal Size 12,5

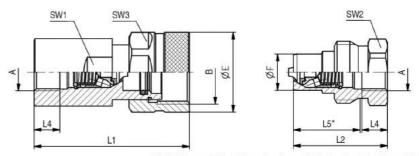
|     | Port A        | Dime<br>(mm/in)<br>ØE | nsions | В             | L1    | L2      | L4 min | L5   | SW1  | SW2  | SW3  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/lbs) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/tbs) ca<br>per 100 |
|-----|---------------|-----------------------|--------|---------------|-------|---------|--------|------|------|------|------|--|-----------------------------------|---|----------------------------------|
|     | Female Threa  | d acc                 | ording | to DIN 3852   | - ANS | I B 1.2 | 20.3   |      |      |      |      |  |                                   |   |                                  |
|     | 0.4.01        | 45 20,5               | 20,5   | 4000 0181     | 87    | 53      | 14     | 37,5 | 34   | 34   | 41   | HH12-1-IGF08                                       | 57,60                             | HH12-2-IGF08                                    | 17,70                            |
| 1   | G 1/2"        | 1.77                  | .81    | 1 3/8" - 8 UN | 3.43  | 2.09    | .55    | 1.48 | 1.34 | 1.34 | 1.61 | QRC-HH-12-F-G08-BT-W3                              | 126.99                            | QRC-HH-12-M-G08-B-W3                            | 39.02                            |
|     | NPTF 1/2" -14 | 45                    | 20,5   | 1 3/8" - 8 UN | 87    | 53      |        | 37,5 | 34   | 34   | 41   | HH12-1-INF08                                       | 58,20                             | HH12-2-INF08                                    | 18                               |
| 1 1 |               |                       |        |               |       | 2.09    |        | 1.48 | 1.34 | 1.34 | 1.61 | QRC-HH-12-F-NF08-BT-W3                             | 128.31                            | QRC-HH-12-M-NF08-B-W3                           | 39.68                            |

### Series HH-19 - BG 6 - Nominal Size 19

| Po  | rt A       |         | nsions | 3             |       |         |        |      |      |      |      | Female Body           | Weight       | Male Tip              | Weight      |
|-----|------------|---------|--------|---------------|-------|---------|--------|------|------|------|------|-----------------------|--------------|-----------------------|-------------|
|     |            | (mm/in) |        |               |       |         |        |      |      |      |      | Old Part Numbers      | (kg/lbs) Ca. | Old Part Numbers      | (kg/lbs) C8 |
|     |            | ØE      | ØF     | В             | L1    | L2      | L4 min | L5   | SW1  | SW2  | SW3  | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100     |
| Fe  | male Threa | d acco  | ording | to DIN 3852   | - ANS | I B 1.2 | 20,3   |      |      |      |      |                       |              |                       |             |
| 0.1 | 3/4"       | 55      | 27,9   | 1 3/4" - 6 UN | 106   | 63      | 16     | 48   | 41   | 46   | 50   | HH19-1-IGF12          | 98,80        | HH19-2-IGF12          | 36,40       |
|     | 3/4        | 2.16    | 1.1    | 13/4 - bull   | 117   | 2.48    | .63    | 1.89 | 1.61 | 1.81 | 1.97 | QRC-HH-19-F-G12-BT-W3 | 217.82       | QRC-HH-19-M-G12-B-W3  | 00.05       |
| G.  |            | 2.10    | 12.1   |               | 4.17  | 2.40    | .00    | 1.00 | 1.01 | 1.01 | 1.37 | UNU-NN-19-F-U12-D1-W3 | 211.02       | UNU-NN-19-WI-012-D-W3 | 80.25       |
|     |            |         | 27,9   | 13/4" - 6UN   | 106   |         | .00    | 47   | 41   | 46   | 50   | HH19-1-INF12          | 99,70        | HH19-2-INF12          | 37,30       |

### Series HH-25 • BG 8 • Nominal Size 25

|          | Port A      | Dime    | nsions     | 3         |          |          |        |      |      |      |                       | Female Body            | Weight               | Male Tip              | Weight     |
|----------|-------------|---------|------------|-----------|----------|----------|--------|------|------|------|-----------------------|------------------------|----------------------|-----------------------|------------|
|          |             | (mm/in) |            |           |          |          |        |      |      |      |                       | Old Part Numbers       | (kq/ms) ca.          | Old Part Numbers      | ("qnbs) C8 |
|          |             | ØE      | ØF         | В         | L1       | L2       | L4 min | L5   | SW1  | SW2  | SW3                   | STAUFF Ordering Codes  | per 100              | STAUFF Ordering Codes | per 100    |
|          | Female Thre | ad acc  | ording     | to DIN 38 | 52 - ANS | SI B 1.3 | 20.3   |      |      |      |                       |                        |                      |                       |            |
|          | G 1"        | 60      | 31.2 M52v4 | MEONA     | 123      | 72       | 18     | 56   | 50   | 50   | 55                    | HH25-1-IGF16           | 140,30               | HH25-2-IGF16          | 53,20      |
| P        | G I         | 2.36    |            | 4.84      | 2.83     | .71      | 2.2    | 1.97 | 1.97 | 2.16 | QRC-HH-25-F-G16-BT-W3 | 309.31                 | QRC-HH-25-M-G16-B-W3 | 117.29                |            |
| JH. <    | NPTF 1" -11 | 60      | 31,2       | MEGNA     | 123      | 72       |        | 56   | 50   | 50   | 55                    | HH25-1-INF16           | 148,10               | HH25-2-INF16          | 54         |
| <i>u</i> | 1/2         | 2.36    | 1.23       | M52x4     | 4.84     | 2.83     |        | 2.2  | 1.97 | 1.97 | 2.16                  | QRC-HH-25-F-NF16-BT-W3 | 326.50               | QRC-HH-25-M-NF16-B-W3 | 119.05     |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HH-12.

### Series HH-31 • BG 10 • Nominal Size 31,5

| Port A      | Dime<br>(mm/in)       | nsions | 3         |          |                 |      |      |      |      |                       | Female Body<br>Old Part Numbers | (kg/lbs) ca. Old Part N | Male Tip Old Part Numbers | Weight<br>(%4/bs) Ca |
|-------------|-----------------------|--------|-----------|----------|-----------------|------|------|------|------|-----------------------|---------------------------------|-------------------------|---------------------------|----------------------|
|             | ØE                    | ØF     | В         | L1       | .1 L2 L4 min L5 | L5   | SW1  | SW2  | SW3  | STAUFF Ordering Codes | per 100                         | STAUFF Ordering Codes   | per 100                   |                      |
| Female Thre | ad acc                | ording | to DIN 38 | 52 - ANS | B 1.            | 20.3 |      |      |      |                       |                                 |                         |                           |                      |
| G 1 1/4"    | 80                    | 44     | M68x6     | 153      | 86              | 20   | 72   | 65   | 65   | 75                    | HH31-1-IGF20                    | 287                     | HH31-2-IGF20              | 105                  |
| 6 1 1/4     | 80 44<br>3.15 1.73 M6 | Mpgxp  | 6.02      | 3.39     | .79             | 2.83 | 2.56 | 2.56 | 2.95 | QRC-HH-31-F-G20-BT-W3 | 632.73                          | QRC-HH-31-M-G20-B-W3    | 231.49                    |                      |
| NPTF 1 1/4" | 80                    | 80 44  | 153       | 86       |                 | 72   | 65   | 65   | 75   | HH31-1-INF20          | 295                             | HH31-2-INF20            | 109,20                    |                      |
| -11 1/2     | 2 45                  | 1.73   | M68x6     | 6.02     | 3.39            |      | 2.83 | 2.56 | 2.56 | 2.95                  | QRC-HH-31-F-NF20-BT-W3          | 650.36                  | QRC-HH-31-M-NF20-B-W3     | 240.74               |

### Series HH-38 • BG 12 • Nominal Size 38

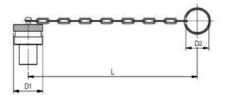
|   | Port A                  | Dime    | nsions       | 3          |  |            |        |            |            |     |      | Female Body           | Weight        | Male Tip                             | Weight        |
|---|-------------------------|---------|--------------|------------|--|------------|--------|------------|------------|-----|------|-----------------------|---------------|--------------------------------------|---------------|
|   |                         | (mm/in) |              |            |  |            |        |            |            |     |      | Old Part Numbers      | (kg/ibs) ca.  | Old Part Numbers                     | (kg/lbs) Ca   |
|   |                         | ØE      | ØF           | В          | L1   | L2         | L4 min | L5         | SW1        | SW2 | SW3  | STAUFF Ordering Codes | per 100       | STAUFF Ordering Codes                | per 100       |
|   | Female Three            | ad acco | ording       | to DIN 385 | 2 - ANS  | I B 1.2    | 20.3   |            |            |     |      |                       |               |                                      |               |
|   |                         |         |              |            |  |            |        |            |            |     |      |                       |               |                                      |               |
|   | 0.1.1.00                | 98      | 53,4         | M70-C      | 172  | 95         | 22     | 80         | 75         | 80  | 90   | HH38-1-IGF24          | 444           | HH38-2-IGF24                         | 170           |
|   | G 1 1/2"                |         | 53,4<br>2.10 | M78x6      | The state of the s | 95<br>3.74 |        | 80<br>3.15 | 75<br>2.95 |     | 12.2 |                       | 444<br>978.85 | HH38-2-IGF24<br>QRC-HH-38-M-G24-B-W3 | 170<br>374.79 |
| 1 | G 1 1/2"<br>NPTF 1 1/2" |         |              | M78x6      | 6.77   | 3.74       |        | -          |            |     | 7.7  |                       |               |                                      |               |

### Series HH-51 • BG 14 • Nominal Size 51

|       |              |                  | nsions | <b>3</b>   |         |          |        |      |      |              |      | Female Body            | Weight       | Male Tip              | Weight       |
|-------|--------------|------------------|--------|------------|---------|----------|--------|------|------|--------------|------|------------------------|--------------|-----------------------|--------------|
|       |              | (mm/in)          |        |            |         |          |        |      |      |              |      | Old Part Numbers       | (NG/16s) ca. | Old Part Numbers      | (kq/lbs) ca. |
|       |              | ØE               | ØF     | В          | L1      | L2       | L4 min | L5   | SW1  | SW2          | SW3  | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |
| F     | Female Threa | ad acc           | ording | to DIN 385 | 2 - ANS | SI B 1.2 | 20.3   |      |      |              |      |                        |              |                       |              |
| 0     | 0.011        | 129              | 81,8   | M115x8     | 205     | 118      | 24     | 96   | 100  | 110          | 125  | HH51-1-IGF32           | 867          | HH51-2-IGF32          | 493          |
| HPI " | G 2"         | 5.07             | 3.22   | MILIOXO    | 8.07    | 4.65     | .94    | 3.78 | 3.93 | 4.33         | 4.92 | QRC-HH-51-F-G32-BT-W3  | 1911.41      | QRC-HH-51-M-G32-B-W3  | 1086.88      |
| THE N | NPTF 2" -11  | 5.07 3.22 M115x8 | 205    | 118        |         | 96       | 100    | 110  | 125  | HH51-1-INF32 | 892  | HH51-2-INF32           | 507          |                       |              |
| 1/    | 1/2          | 5.07             | 3.22   | M1115X8    | 8.07    | 4.65     |        | 3.78 | 3.93 | 4.33         | 4.92 | QRC-HH-51-F-NF32-BT-W3 | 1966.52      | QRC-HH-51-M-NF32-B-W3 | 1117.74      |

### Series HH • Dust Protection





| Dimer | nsions |       | Material                    | Dust Cap for Male Tip Old Part Numbers |  |
|-------|--------|-------|-----------------------------|--|--|
| D1    | D2     | L     |                             | STAUFF Ordering Codes                  |  |
| 34    | 30     | 240   | Alternatives with about     | HH10-0-SI001                           |  |
| 1.34  | 1.18   | 9.45  | Aluminium with chain        | QRC-HH-10-DM-30/CN-W89-SI              |  |
| 38    | 30     | 240   | AV TO THE REST              | HH12-0-SI001                           |  |
| 1.50  | 1.18   | 9.45  | Aluminium with chain        | QRC-HH-12-DM-30/CN-W89-SI              |  |
| 48    | 41     | 290   | At                          | HH19-0-SI001                           |  |
| 1.89  | 1.61   | 11.42 | Aluminium with chain        | QRC-HH-19-DM-41/CN-W89-SI              |  |
| 58    | 48     | 300   | Attachet on with abote      | HH25-0-SI001                           |  |
| 2.28  | 1.89   | 11.81 | Aluminium with chain        | QRC-HH-25-DM-48/CN-W89-SI              |  |
| 81    | 48     | 400   | Alternative with about      | HH31-0-SI001                           |  |
| 3.19  | 1.89   | 15.75 | Aluminium with chain        | QRC-HH-31-DM-48/CN-W89-SI              |  |
| 85    | 46     | 260   | All and the second sections | HH38-0-SI001                           |  |
| 3.35  | 1.81   | 10.24 | Aluminium with chain        | QRC-HH-38-DM-46/CN-W89-SI              |  |
| 100   | 46     | 300   | Alternative managements     | HH51-0-SI001                           |  |
| 3.94  | 1.81   | 11.81 | Aluminium with chain        | QRC-HH-51-DM-46/CN-W89-SI              |  |

| Dimer<br>(mm/in) | NOW ASSESSMENT |       | Material                      | Dust Plug for Female Body<br>Old Part Numbers |
|------------------|----------------|-------|-------------------------------|---|
| D1               | D2             | L     |                               | STAUFF Ordering Codes                         |
| 34               | 30             | 240   | Alternatives with abote       | HH10-9-SI001                                  |
| 1.34             | 1.18           | 9.45  | Aluminium with chain          | QRC-HH-10-DF-30/CN-W89-SI                     |
| 34               | 30             | 240   | Aluminium with chain          | HH12-9-SI001                                  |
| 1,34             | 1.18           | 9.45  | Aluminium with chain          | QRC-HH-12-DF-30/CN-W89-SI                     |
| 53               | 48             | 300   | At material way of the shorts | HH19-9-SI001                                  |
| 2.09             | 1.89           | 11.81 | Aluminium with chain          | QRC-HH-19-DF-48/CN-W89-SI                     |
| 53               | 41             | 290   | Aluminium with chain          | HH25-9-SI001                                  |
| 2.09             | 1.61           | 11.42 | Aluminium with chain          | QRC-HH-25-DF-41/CN-W89-SI                     |
| 71               | 48             | 400   | Aluminium with chain          | HH31-9-SI001                                  |
| 2.80             | 1.89           | 15.75 | Aluminum with chain           | QRC-HH-31-DF-48/CN-W89-SI                     |
| 98               | 46             | 210   | Alternative traffic plants    | HH38-9-SI001                                  |
| 3.86             | 1.81           | 8.27  | Aluminium with chain          | QRC-HH-38-DF-46/CN-W89-SI                     |
| 115              | 46             | 270   | Alternatives with about       | HH51-9-SI001                                  |
| 4.53             | 1.81           | 10.63 | Aluminium with chain          | QRC-HH-51-DF-46/CN-W89-SI                     |

### Series HH • Stainless Steel

| Series HH • Overview                     | 160 | Series HH-51 • BG 14 • Nominal Size 51 | 162 |
|--|-----|--|-----|
| Series HH-10 * BG 2 * Nominal Size 10    | 161 | Series HH • Dust Protection            | 163 |
| Series HH-12 • BG 3 • Nominal Size 12,5  | 161 |  |     |
| Series HH-19 = BG 6 = Nominal Size 19    | 161 |  |     |
| Series HH-25 = BG 8 = Nominal Size 25    | 161 |  |     |
| Series HH-31 = BG 10 = Nominal Size 31,5 | 162 |  |     |
| Series HH-38 = BG 12 = Nominal Size 38   | 162 |  |     |



# НН

### Series HH • Stainless Steel

| Material                  | Stainless Steel V4A (AISI 316)                                   |  |
|---------------------------|--|--|
| Surface Finishing         | 5  |  |
| Standard Seal Material(s) | FKM (Viton®) 2   |  |
| Working Temperature       | -25° C +200° C / -13° F +392° F                                  |  |
| Valve Design              | Poppet Valve   |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | Male Tip and Female Body allowed                                 |  |
| Application               | Industrial Hydraulic, Offshore, Rescue and Tensioning Hydraulics |  |
| ISO Interchange           | *  |  |

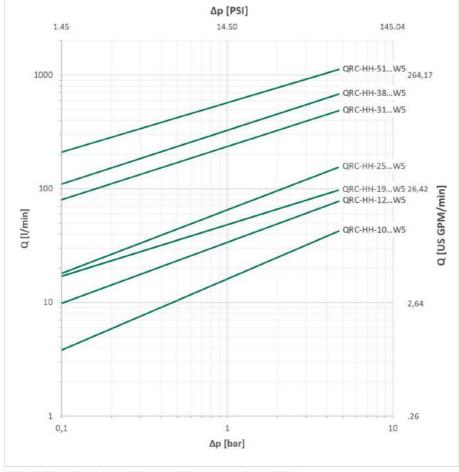


### **Technical Data**

| Series BG | BG | DN<br>Zoli | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected | Fen  | nale Body | N    | lale Tip | Spillage |        |
|-----------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|------|-----------|------|----------|----------|--------|
|           |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar  | PSI       | bar  | PSI      | ml       | fl oz  |
| HH-10     | 2  | 3/8"       | 10           | 18    | 4.75   | 650    | 9427       | 2600 | 37710                 | 2000 | 29008     | 2300 | 33359    | 1,9      | .0642  |
| HH-12     | 3  | 1/2"       | 12,5         | 23    | 6.08   | 600    | 8702       | 2500 | 36259                 | 2700 | 39160     | 2100 | 30458    | 2,7      | .0913  |
| HH-19     | 6  | 3/4"       | 19 (20)      | 45    | 11.89  | 500    | 7252       | 2400 | 34809                 | 1700 | 24656     | 2100 | 30458    | 9,3      | .3145  |
| HH-25     | 8  | 1"         | 25           | 106   | 28.00  | 460    | 6672       | 1500 | 21756                 | 1900 | 27557     | 1600 | 23206    | 16       | .5410  |
| HH-31     | 10 | 1 1/4"     | 31           | 189   | 49.93  | 360    | 5221       | 1000 | 14504                 | 1000 | 14504     | 1000 | 14504    | 30       | 1.0144 |
| HH-38     | 12 | 1 1/2"     | 38           | 300   | 79.25  | 360    | 5221       | 900  | 13053                 | 900  | 13053     | 900  | 13053    | 54       | 1.8260 |
| HH-51     | 14 | 2"         | 51           | 757   | 199.98 | 210    | 3046       | 500  | 7252                  | 500  | 7252      | 500  | 7252     | 120      | 4.0577 |

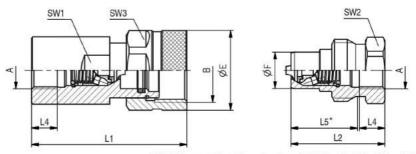
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HH-12.

\* Insertion Male Tip.

### Series HH-10 • BG 2 • Nominal Size 10

|      | Port A        | Dime    | nsion  | S             |       |          |        |      |      |      |      | Female Body           | Weight       | Male Tip                       | Weight      |
|------|---------------|---------|--------|---------------|-------|----------|--------|------|------|------|------|-----------------------|--------------|--------------------------------|-------------|
|      |               | (mm/in) |        |               |       |          |        |      |      |      |      | Old Part Numbers      | (kq/lbs) ca. | Old Part Numbers               | (kp/hbs) Ca |
|      |               | ØE      | ØF     | В             | L1    | L2       | L4 min | L5   | SW1  | SW2  | SW3  | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes          | per 100     |
|      | Female Threa  | d acc   | ording | to DIN 3852   | - ANS | SI B 1.2 | 20.3   |      |      |      |      |                       |              |                                |             |
|      | G 3/8"        | 40      | 19     | 4.4/46 0181   | 76    | 48       | 12     | 34   | 27   | 32   | 36   | HH10-1-IGF06-VA       | 34,40        | HH10-2-IGF06-VA                | 15,50       |
|      | G 3/8         | 1.57    | .75    | 1 1/4" - 8 UN | 2.99  | 1.89     | .47    | 1.34 | 1.06 | 1.26 | 1.42 | QRC-HH-10-F-G06-VT-W5 | 75.84        | QRC-HH-10-M-G06-V-W5           | 34.17       |
|      |               | 40      | 19     |               | 76    | 48       |        | 34   | 27   | 32   | 36   | HH10-1-INF06-VA       | 34.60        | HH10-2-INF06-VA                | 15.70       |
| IN 1 | NPTF 3/8" -18 | 40      | 13     | 11/4" - 8UN   | 10    | 110      |        |      |      |      | 0.0  |                       |              | THE PERSON NAMED IN CO., LANS. |             |

### Series HH-12 - BG 3 - Nominal Size 12,5

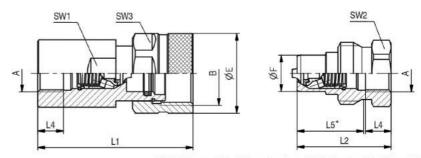
|            | Port A        | (mm/in) | nsions<br>ØF | В            | L1    | L2     | L4 min | L5   | SW1  | SW2  | SW3  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/sss) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(*9/lbs) G8<br>per 100 |
|------------|---------------|---------|--------------|--------------|-------|--------|--------|------|------|------|------|--|-----------------------------------|---|----------------------------------|
|            | Female Threa  | d acco  | ording       | to DIN 3852  | - ANS | I B 1. | 20.3   |      |      |      |      |  |                                   |   |                                  |
|            | 0.4301        | 45      | 20,5         | 13/8" - 8 UN | 87    | 53     | 14     | 37,5 | 34   | 34   | 41   | HH12-1-IGF08-VA                                    | 57,60                             | HH12-2-IGF08-VA                                 | 17,70                            |
| <b>?</b> ] | G 1/2"        | 1.77    | .81          | 1 3/8 - 8 UN | 3.43  | 2.09   | .55    | 1.48 | 1.34 | 1.34 | 1.61 | QRC-HH-12-F-G08-VT-W5                              | 126.99                            | QRC-HH-12-M-G08-V-W5                            | 39.02                            |
| 1          | NPTF 1/2" -14 | 45      | 20,5         | 13/8" - 8 UN | 87    | 53     |        | 37,5 | 34   | 34   | 41   | HH12-1-INF08-VA                                    | 58,20                             | HH12-2-INF08-VA                                 | 18                               |
| 1          | WP1F 1/2 -14  | 1.77    | .81          | 1 3/6 - 6 UN | 3.43  | 2.09   |        | 1.48 | 1.34 | 1.34 | 1.61 | QRC-HH-12-F-NF08-VT-W5                             | 128.31                            | QRC-HH-12-M-NF08-V-W5                           | 39.68                            |

### Series HH-19 • BG 6 • Nominal Size 19

|   | Port A       | Dime    | nsions | 3             |             |            |        |            |            |            |            | Female Body                              | Weight                  | Male Tip                                | Weight      |
|---|--------------|---------|--------|---------------|-------------|------------|--------|------------|------------|------------|------------|--|-------------------------|---|-------------|
|   |              | (mm/in) |        |               |             |            |        |            |            |            |            | Old Part Numbers                         | (kq/lbs) ca.            | Old Part Numbers                        | (kg/hbs) CB |
|   |              | ØE      | ØF     | В             | L1          | L2         | L4 min | L5         | SW1        | SW2        | SW3        | STAUFF Ordering Codes                    | per 100                 | STAUFF Ordering Codes                   | per 100     |
|   | Female Threa | d acc   | ording | to DIN 3852   | - ANS       | SI B 1.2   | 20.3   |            |            |            |            |  |                         |   |             |
|   | Tanana .     | 55      | 27,9   | laem ww.      | 106         | 63         | 16     | 48         | 41         | 46         | 50         | HH19-1-IGF12-VA                          | 98.80                   | HH19-2-IGF12-VA                         | 36.40       |
|   |              |         |        |               |             |            |        |            |            |            |            |  |                         |   |             |
| 7 | G 3/4"       |         |        | 1 3/4" - 6 UN | 4.17        | 2.48       | .63    | 1.89       | 1.61       | 1.81       | 1.97       | QRC-HH-19-F-G12-VT-W5                    | 217.82                  | QRC-HH-19-M-G12-V-W5                    | 80.25       |
|   | G 3/4"       | 2.16    |        | 1 3/4" - 6 UN | 4.17<br>106 | 2.48<br>63 | .63    | 1.89<br>48 | 1.61<br>41 | 1.81<br>46 | 1.97<br>50 | QRC-HH-19-F-G12-VT-W5<br>HH19-1-INF12-VA | Charles of Construction | QRC-HH-19-M-G12-V-W5<br>HH19-2-INF12-VA |             |

### Series HH-25 • BG 8 • Nominal Size 25

|                | Port A      | Dime<br>(m=/in)<br>ØE | nsions<br>ØF | В          | L1       | L2       | L4 min | L5   | SW1  | SW2  | SW3  | Old Part Numbers STAUFF Ordering Codes | Weight<br>(NS Abb) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/ms) ca<br>per 100 |
|----------------|-------------|-----------------------|--------------|------------|----------|----------|--------|------|------|------|------|--|-----------------------------------|---|---------------------------------|
|                | Female Thre | ad acc                | ording       | to DIN 389 | 52 - ANS | SI B 1.2 | 20.3   |      |      |      |      |  |                                   |   |                                 |
|                | G 1"        | 60 31,2               |              | MEG        | 123      | 72       | 18     | 56   | 50   | 50   | 55   | HH25-1-IGF16-VA                        | 146,50                            | HH25-2-IGF16-VA                                 | 52,40                           |
| P              | G 1"        | 2.36                  | MS2VA        | IVI52X4    | 4.84     | 2.83     | .71    | 2.20 | 1.97 | 1.97 | 2.16 | QRC-HH-25-F-G16-VT-W5                  | 322.98                            | QRC-HH-25-M-G16-V-W5                            | 115.52                          |
| H <sub>1</sub> | NPTF 1" -11 | 60                    | 31,2         | 1450-4     | 123      | 72       |        | 56   | 50   | 50   | 55   | HH25-1-INF16-VA                        | 148,10                            | HH25-2-INF16-VA                                 | 54                              |
| 1              | 1/2         | 2.36                  | 1.23         | M52x4      | 4.84     | 2.83     |        | 2.20 | 1.97 | 1.97 | 2.16 | ORC-HH-25-F-NF16-VT-W5                 | 326.50                            | ORC-HH-25-M-NF16-V-W5                           | 119.05                          |



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HH-12.

### Series HH-31 • BG 10 • Nominal Size 31,5

|   | Port A                  | Dime<br>(***/in)<br>ØE | nsion:<br>ØF | В         | L1                                      | L2      | L4 min | L5   | SW1  | SW2  | SW3  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight (NB/Nbs) ca. per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(*9/hb) C2<br>per 100 |
|---|-------------------------|------------------------|--------------|-----------|---|---------|--------|------|------|------|------|--|-----------------------------|---|---------------------------------|
|   | Female Threa            | ad acc                 | ording       | to DIN 38 | 52 - ANS                                | SI B 1. | 20.3   |      |      |      |      |  |                             |   |                                 |
|   |                         | 102.20                 | TO STORY T   |           | 450                                     | 00      | 00     | 72   | C.C. | O.F. | Tre. | 11104 4 10500 111                                  |                             | 11104 B 10500 14                                | - Property                      |
|   | 0.4.4700                | 80                     | 44           | 1400.0    | 153                                     | 86      | 20     | 12   | 65   | 65   | 75   | HH31-1-IGF20-VA                                    | 293,30                      | HH31-2-IGF20-VA                                 | 107,40                          |
| ח | G 1 1/4"                |                        |              | M68x6     | 100000000000000000000000000000000000000 | 3.39    | 4500   | 2.83 |      | 2.56 | 2.95 | QRC-HH-31-F-G20-VT-W5                              | 293,30<br>646.62            | QRC-HH-31-M-G20-V-W5                            | 236.78                          |
|   | G 1 1/4"<br>NPTF 1 1/4" |                        |              | M68x6     | 100000000000000000000000000000000000000 | 3.39    | 4500   | 100  |      |      | -    |  |                             |   |                                 |

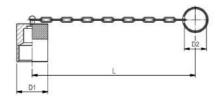
### Series HH-38 • BG 12 • Nominal Size 38

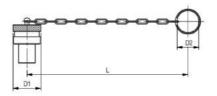
|   | Port A      | Dime<br>(mm/in)<br>ØE | nsions<br>ØF | В          | L1       | L2      | L4 min | L5   | SW1  | SW2  | SW3  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/bb) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(*9,166) C8<br>per 100 |
|---|-------------|-----------------------|--------------|------------|----------|---------|--------|------|------|------|------|--|----------------------------------|---|----------------------------------|
|   | Female Thre | ad acci               | ording       | to DIN 385 | 52 - ANS | I B 1.2 | 20.3   |      |      |      |      |  |                                  |   |                                  |
|   | 0.4.4.00    | 98                    | 53,4         | M78x6      | 172      | 95      | 22     | 80   | 75   | 80   | 90   | HH38-1-IGF24-VA                                    | 455                              | HH38-2-IGF24-VA                                 | 173,40                           |
|   | G 1 1/2"    | 3.86                  | 2.10         | M / 8Xb    | 6.77     | 3.74    | .87    | 3.15 | 2.95 | 3.15 | 3.54 | QRC-HH-38-F-G24-VT-W5                              | 1003.10                          | ORC-HH-38-M-G24-V-W5                            | 382.28                           |
| 7 |             | 0.00                  |              |            |          |         |        |      |      |      |      |  | .1000.10                         |   | 002.20                           |
|   | NPTF 1 1/2" | 98                    | 53,4         | M78x6      | 172      |         |        | 80   | 75   | 80   | 90   | HH38-1-INF24-VA                                    | 457                              | HH38-2-INF24-VA                                 | 173                              |

### Series HH-51 • BG 14 • Nominal Size 51

|        | Port A      | Dime   | ension | S          |         |          |        |      |      |           |      | Female Body            | Weight       | Male Tip              | Weight       |  |
|--------|-------------|--------|--------|------------|---------|----------|--------|------|------|-----------|------|------------------------|--------------|-----------------------|--------------|--|
|        |             | (mm/in | )      |            |         |          |        |      |      |           |      | Old Part Numbers       | (kg/lbs) ca. | Old Part Numbers      | (kg/lbs) ca. |  |
|        |             | ØE     | ØF     | В          | L1      | L2       | L4 min | L5   | SW1  | 1 SW2 SW3 |      | STAUFF Ordering Codes  | per 100      | STAUFF Ordering Codes | per 100      |  |
|        | Female Thre | ad acc | ording | to DIN 385 | 2 - ANS | SI B 1.2 | 20.3   |      |      |           |      |                        |              |                       |              |  |
|        | G 2*        | 129    | 81,8   | M115x8     | 205     | 118      | 24     | 96   | 100  | 110       | 125  | HH51-1-IGF32-VA        | 888          | HH51-2-IGF32-VA       | 503          |  |
| $\Box$ | 0.2         | 5.07   | 3.22   | DXCITIVI   | 8.07    | 4.65     | .94    | 3.78 | 3.93 | 4.33      | 4.92 | QRC-HH-51-F-G32-VT-W5  | 1957.71      | QRC-HH-51-M-G32-V-W5  | 1108.93      |  |
|        | NPTF 2" -11 | 129    | 81,8   | M115x8     | 205     | 118      |        | 96   | 100  | 110       | 125  | HH51-1-INF32-VA        | 892          | HH51-2-INF32-VA       | 507          |  |
| 1      | 1/2         | 5.07   | 3.22   | MILLOXO    | 8.07    | 4.65     |        | 3.78 | 3.93 | 4.33      | 4.92 | QRC-HH-51-F-NF32-VT-W5 | 1966.52      | QRC-HH-51-M-NF32-V-W5 | 1117.74      |  |

### Series HH • Dust Protection





| Dimensions |      |       | Material  | Dust Cap for Male Tip     |  |
|------------|------|-------|---|---------------------------|--|
| (mm/in)    |      |       |   | Old Part Numbers          |  |
| D1         | D2   | L     |   | STAUFF Ordering Codes     |  |
| 34         | 30   | 240   | About to a with abote                           | HH10-0-SI001              |  |
| 1.34       | 1.18 | 9.45  | Aluminium with chain                            | QRC-HH-10-DM-30/CN-W89-SI |  |
| 38         | 30   | 240   | At and the country of the                       | HH12-0-SI001              |  |
| 1.50       | 1.18 | 9.45  | Aluminium with chain                            | QRC-HH-12-DM-30/CN-W89-SI |  |
| 48         | 41   | 290   | A)  | HH19-0-SI001              |  |
| 1.89       | 1.61 | 11.42 | Aluminium with chain                            | QRC-HH-19-DM-41/CN-W89-SI |  |
| 58         | 48   | 300   | At and the transportation of the transportation | HH25-0-SI001              |  |
| 2.28       | 1.89 | 11.81 | Aluminium with chain                            | QRC-HH-25-DM-48/CN-W89-SI |  |
| 81         | 48   | 400   | Alcordation with abote                          | HH31-0-SI001              |  |
| 3.19       | 1.89 | 15.75 | Aluminium with chain                            | QRC-HH-31-DM-48/CN-W89-SI |  |
| 85         | 46   | 260   | All control on control of the                   | HH38-0-SI001              |  |
| 3.35       | 1.81 | 10.24 | Aluminium with chain                            | QRC-HH-38-DM-46/CN-W89-SI |  |
| 100        | 46   | 300   | Alternative countries and alternative           | HH51-0-SI001              |  |
| 3.94       | 1.81 | 11.81 | Aluminium with chain                            | QRC-HH-51-DM-46/CN-W89-SI |  |

| Dimensions (****/in) |      |       | Material                               | Dust Plug for Female Body Old Part Numbers |
|----------------------|------|-------|--|--|
| D1                   | D2   | L     |  | STAUFF Ordering Codes                      |
| 34                   | 30   | 240   | About at our with about                | HH10-9-SI001                               |
| 1.34                 | 1.18 | 9.45  | Aluminium with chain                   | QRC-HH-10-DF-30/CN-W89-SI                  |
| 34                   | 30   | 240   | At another one water wheater           | HH12-9-SI001                               |
| 1.34                 | 1.18 | 9.45  | Aluminium with chain                   | QRC-HH-12-DF-30/CN-W89-SI                  |
| 53                   | 48   | 300   | Alternative with about                 | HH19-9-SI001                               |
| 2.09                 | 1.89 | 11.81 | Aluminium with chain                   | QRC-HH-19-DF-48/CN-W89-SI                  |
| 53                   | 41   | 290   | Characterizations on this calculation  | HH25-9-SI001                               |
| 2.09                 | 1.61 | 11.42 | Aluminium with chain                   | QRC-HH-25-DF-41/CN-W89-SI                  |
| 71                   | 48   | 400   | A1 - 1 2 - 10 - 1 - 1                  | HH31-9-SI001                               |
| 2.80                 | 1.89 | 15.75 | Aluminium with chain                   | QRC-HH-31-DF-48/CN-W89-SI                  |
| 98                   | 46   | 210   | A Soundaries on this shorts            | HH38-9-SI001                               |
| 3.86                 | 1.81 | 8.27  | Aluminium with chain                   | QRC-HH-38-DF-46/CN-W89-SI                  |
| 115                  | 46   | 270   | With contrast contrast and a final and | HH51-9-SI001                               |
| 4.53                 | 1.81 | 10.63 | Aluminium with chain                   | QRC-HH-51-DF-46/CN-W89-SI                  |

| Series HI • Overview                   | 166 |
|--|-----|
| Series HI-06 • BG 1 • Nominal Size 6,3 | 167 |
| Series HI-10 = BG 2 = Nominal Size 10  | 167 |



### Series HI (HIB) - Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Nickel  |  |
| Standard Seal Material(s) | NBR (Buna-N®), PU 2                                    |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                        |  |
| Valve Design              | Poppet Valve (HI), Ball Valve (HIB) (optional)         |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | not allowed  |  |
| Application               | Industrial Hydraulic, Rescue and Tensioning Hydraulics |  |
| ISO Interchange           | ISO 14540  |  |

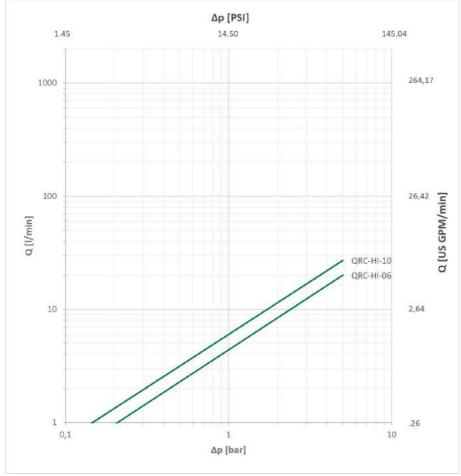


### **Technical Data**

| Series | BG | DN   | DN       | Q max |        | Workin | g Pressure |      | g Pressure |      | 10201     | 11 12 | 2012 1227 | Spillag | е     |
|--------|----|------|----------|-------|--------|--------|------------|------|------------|------|-----------|-------|-----------|---------|-------|
|        |    | Zoll | metric   |       |        |        |            | Co   | nnected    | Fen  | nale Body | IV.   | ale Tip   |         |       |
|        |    | Inch | ISO 4397 | I/min | US GPM | bar    | PSI        | bar  | PSI        | bar  | PSI       | bar   | PSI       | ml      | fl oz |
| HI-06  | 1  | 1/4" | 6,3      | 10    | 2.64   | 720    | 10443      | 2160 | 31328      | 2160 | 31328     | 2160  | 31328     | 0,5     | .0176 |
| HI-10  | 2  | 3/8" | 10       | 20    | 5.28   | 720    | 10443      | 2160 | 31328      | 2160 | 31328     | 2160  | 31328     | 1       | .0352 |
| HIB-06 | 1  | 1/4" | 6,3      | 10    | 2.64   | 720    | 10443      | 2160 | 31328      | 1440 | 20885     | 1440  | 20885     | 0,5     | .0176 |
| HIB-10 | 2  | 3/8" | 10       | 20    | 5.28   | 720    | 10443      | 2160 | 31328      | 1440 | 20885     | 1440  | 20885     | 1       | .0352 |

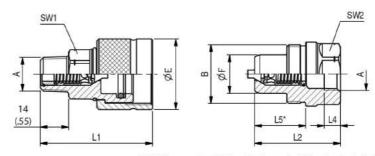
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HI-10.

\* Insertion Male Tip.

### Series HI-06 • BG 1 • Nominal Size 6,3

|     | Port A          |           | nsions | 3            |      |              |           |                     |                 |           | Female Body   | Weight         | Male Tip  | Weigh              |
|-----|-----------------|-----------|--------|--------------|------|--------------|-----------|---------------------|-----------------|-----------|---|----------------|---|--------------------|
|     |                 | (mm/m)    |        | D            | L1   | 10           | 1.4 miles | 1.5                 | CIMA            | CIMO      | Old Part Numbers                                      | (kg/lbs) Ca.   | Old Part Numbers                                      | (kg/lbs) C         |
|     |                 | 0E        | ØF     | В            | LI   | L2           | L4 min    | Lo                  | SW1             | SWZ       | STAUFF Ordering Codes                                 | per 100        | STAUFF Ordering Codes                                 | per 10             |
|     | Male Thread acc | ording to | ANSI   | B 1.20.3     |      |              |           |                     |                 |           |   |                |   |                    |
|     | NPFT 1/4" -18   | 30        | 15,9   | 1" - 18 UNS  | 51,8 |              |           | 11,1                | 22              | 19        | HI06-1-ANF04  | 13,10          |   |                    |
| -0- | NPF1 1/4 -18    | 1.18      | .63    | 1 - 16 000   | 2.04 |              |           | .44                 | .87             | .75       | QRC-HI-06-F-NF04M-S1-W3                               | 28.88          |   |                    |
| 223 |                 |           | 4 = 0  |              |      |              |           |                     |                 |           |   |                |   |                    |
|     | Female Thread a |           |        |              | F4.0 |              | 12        | 11.1                | 22              | 19        | HIGG-1-ICFOA  | 14.90          | HI06-2-IGF04  | q                  |
|     | Female Thread a | 30        | 15,9   | 1 3852 - ANS | 51,3 | 40,4         |           |                     | 22              | 19        | HI06-1-IGF04<br>ORC-HI-06-F-G04-BP-W3                 | 14,90          | HI06-2-IGF04<br>ORC-HI-06-M-G04-RP-W3                 | 9                  |
| 223 |                 |           |        |              | F4.0 | 40,4<br>1.59 | 12<br>.47 | 11,1<br>.44<br>11,1 | 22<br>.87<br>22 | 19<br>.75 | HI06-1-IGF04<br>QRC-HI-06-F-G04-BP-W3<br>HI06-1-INF04 | 14,90<br>32.85 | HI06-2-IGF04<br>ORC-HI-06-M-G04-BP-W3<br>HI06-2-INF04 | 9<br>19.84<br>9,10 |

### Series HI-10 • BG 2 • Nominal Size 10

|              | Port A          | Dime       | ension    | s            |            |    |        |      |     |      | Female Body             | Weight                    | Male Tip               | Weight      |
|--------------|-----------------|------------|-----------|--------------|------------|----|--------|------|-----|------|-------------------------|---------------------------|------------------------|-------------|
|              |                 | (mm/in)    | )         |              |            |    |        |      |     |      | Old Part Numbers        | ( <sup>kg</sup> /lbs) Ca. | Old Part Numbers       | (hg/ibs) Ca |
|              |                 | ØE         | ØF        | В            | L1         | L2 | L4 min | L5   | SW1 | SW2  | STAUFF Ordering Codes   | per 100                   | STAUFF Ordering Codes  | per 100     |
|              | Male Thread acc | ording to  | ANSI      | B 1.20.3     |            |    |        |      |     |      |                         |                           |                        |             |
|              | NETE O/OL 40    | 35         | 19        | 40000 40151  | 56         |    |        | 25,3 | 24  | 32   | HI10-1-ANF06            | 16,50                     |                        |             |
|              | NPTF 3/8" -18   | 35<br>1.38 | .75       | 1"3/16-16UN  | 56<br>2.19 |    |        | .99  | .94 | 1.26 | QRC-HI-10-F-NF06M-S1-W3 | 36.38                     |                        |             |
|              | Female Thread a | ccording   | to Al     | ISI B 1.20.3 |            |    |        |      |     |      |                         |                           |                        |             |
|              | NPTF 3/8" -18   | 35<br>1.38 | 19<br>.75 | 1"3/16-16UN  | 42,5       |    |        | 25,3 | 24  | 32   |                         |                           | HI10-2-INF06           | 13.80       |
| 137          | NE 11 2/0 - 10  | 1 38       | 75        | 1 3/10-1001  | 1.67       |    |        | .99  | .94 | 1.26 |                         |                           | QRC-HI-10-M-NF06-BP-W3 | 30.40       |
| <b>=11</b> 1 |                 | 1.00       | 13.95     |              |            |    |        |      |     |      |                         |                           |                        | 00.40       |

In addition to the version with poppet valve is a version with ball valve available. Please use for these version the code HIB instead of HI.

### Series HT • Carbon Steel

| Series HT • Overview                  | 170 |
|---------------------------------------|-----|
| Series HT-19 * BG 6 * Nominal Size 19 | 171 |
| Series HT-25 * BG 8 * Nominal Size 25 | 171 |
| Series HT - Dust Protection           | 171 |



### ...

### Series HT • Carbon Steel

| Material                  | Carbon Steel                    |  |
|---------------------------|---------------------------------|--|
| Surface Finishing         | Zinc-Nickel                     |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2                 |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F |  |
| Valve Design              | Poppet Valve                    |  |
| Connection                | Screw                           |  |
| Disconnection             | Screw                           |  |
| Connect Under Pressure    | not allowed                     |  |
| Application               | Industrial Hydraulic            |  |
| ISO Interchange           | *                               |  |



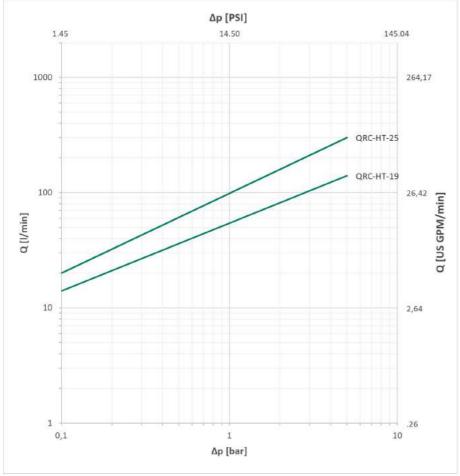
Male Tip Female Body

### **Technical Data**

| Series | BG | DN   | DN       | Q max |        | Workin | g Pressure | Burstin | g Pressure |      |           |      |          | Spillage |       |
|--------|----|------|----------|-------|--------|--------|------------|---------|------------|------|-----------|------|----------|----------|-------|
|        |    | Zoll | metric   |       |        |        |            | Co      | nnected    | Fen  | nale Body | N    | lale Tip |          |       |
|        |    | Inch | ISO 4397 | I/min | US GPM | bar    | PSI        | bar     | PSI        | bar  | PSI       | bar  | PSI      | ml       | fl oz |
| HT-19  | 6  | 3/4" | 19 (20)  | 240   | 63.40  | 350    | 5076       | 1300    | 18855      | 1000 | 14504     | 1000 | 14504    | 10       | .3381 |
| HT-25  | 8  | 1"   | 25       | 320   | 84.53  | 300    | 4351       | 1000    | 14504      | 1000 | 14504     | 1000 | 14504    | 15       | .5072 |

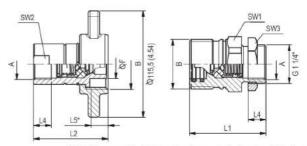
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup> Alternative seal materials are available on request.



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HT-25.

\* Insertion Male Tip.

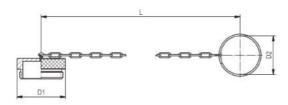
### Series HT-19 • BG 6 • Nominal Size 19

| Por | rt A       | Dimensions     |       |      |      |        |     |      |      |      | Female Body           | Weight       | Male Tip              | Weight                   |
|-----|------------|----------------|-------|------|------|--------|-----|------|------|------|-----------------------|--------------|-----------------------|--------------------------|
|     |            | (mm/in)        |       |      |      |        |     |      |      |      | Old Part Numbers      | (kg/the) ca. | Old Part Numbers      | ( <sup>kg</sup> /lbs) ca |
|     |            | ØB             | ØF    | L1   | L2   | L4 min | L5  | SW1  | SW2  | SW3  | STAUFF Ordering Codes | per 100      | STAUFF Ordering Codes | per 100                  |
| Fer | male Threa | d according to | DIN 3 | 852  |      |        |     |      |      |      |                       |              |                       |                          |
| G 3 | 274"       | 1 3/4" - 12 UN | 25,2  | 78   | 80   | 16     | 25  | 46   | 33   | 50   | HT19-1-IGF12          | 75,50        | HT19-2-IGF12          | 70,40                    |
| 0.5 | 3/4        | 1 3/4 - 12 UN  | .99   | 3.07 | 3.15 | .63    | .98 | 1.81 | 1.30 | 1.97 | QRC-HT-19-F-G12-B-W3  | 166.45       | QRC-HT-19-M-G12-B-W3  | 155.21                   |

### Series HT-25 • BG 8 • Nominal Size 25

|   | Port A    | Dimensions<br>(mm/in)<br>ØB | ØF    | L1     | L2   | L4 min | L5   | SW1  | SW2  | SW3  | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>(*a <sub>rms</sub> ) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(kg/los) ca<br>per 100 |
|---|-----------|-----------------------------|-------|--------|------|--------|------|------|------|------|--|---|---|----------------------------------|
|   | Female Th | read according t            | o DIN | 3852   |      |        |      |      |      |      |  |   |   |                                  |
|   | G 1"      | UNS 2 1/8"                  | 31,7  | 5 81,5 | 81,5 | 18     | 18,5 | 55   | 40   | 50   | HT25-1-IGF16                                       | 87,40   | HT25-2-IGF16                                    | 91,50                            |
| 1 | 61        | UNS 2 1/8                   | 1 25  | 3.21   | 3.21 | .71    | .73  | 2.16 | 1.57 | 1.97 | QRC-HT-25-F-G16-B-W3                               | 192.68  | ORC-HT-25-M-G16-B-W3                            | 201.72                           |

### Series HT • Dust Protection





| Dimer | nsions |       | Material                 | Dust Plug for Female Body Old Part Numbers |  |
|-------|--------|-------|--------------------------|--|--|
| D1    | D2     | L     |                          | STAUFF Ordering Codes                      |  |
| 49,5  | 49     | 270   | Onder Other Links about  | HT19-0-ST001                               |  |
| 1.95  | 1.93   | 10.63 | Carbon Steel with chain  | QRC-HT-19-DF-49/CN-W3                      |  |
| 59,5  | 49     | 270   | Cook on Otrol with abote | HT25-0-ST001                               |  |
| 2.34  | 1.93   | 10.63 | Carbon Steel with chain  | QRC-HT-25-DF-49/CN-W3                      |  |

| Dimer<br>(mm/in) | nsions |       | Material                | Dust Cap for Male Tip Old Part Numbers |
|------------------|--------|-------|-------------------------|--|
| D1               | D2     | L     |                         | STAUFF Ordering Codes                  |
| 49               | 41     | 270   | 0-4                     | HT19-9-ST001                           |
| 1.93             | 1.61   | 10.63 | Carbon Steel with chain | QRC-HT-19-DM-41/CN-W3                  |
| 59,5             | 49     | 270   | Contract with shale     | HT25-9-ST001                           |
| 2.34             | 1.93   | 10.63 | Carbon Steel with chain | QRC-HT-25-DM-49/CN-W3                  |

Series HM • Carbon Steel and Brass

| Series HM • Overview                     | 174 |
|--|-----|
| Series HM-19 • BG 6 • Nominal Size 19    | 175 |
| Series HM-25 • BG 8 • Nominal Size 25    | 175 |
| Series HM-31 = BG 10 = Nominal Size 31,5 | 175 |
| Series HM-38 • BG 12 • Nominal Size 38   | 175 |
| Series HM • Dust Protection              | 176 |



НМ

### Series HM . Carbon Steel and Brass

| Material                  | Brass and Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Carbon Steel: Zinc-Plating and Thick-Film-Passivation (Chrome III) |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2  |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                                    |  |
| Valve Design              | Flat Valve   |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | not allowed  |  |
| Application               | Industrial Hydraulic   |  |
| ISO Interchange           |  |  |



Female Body

Male Tip

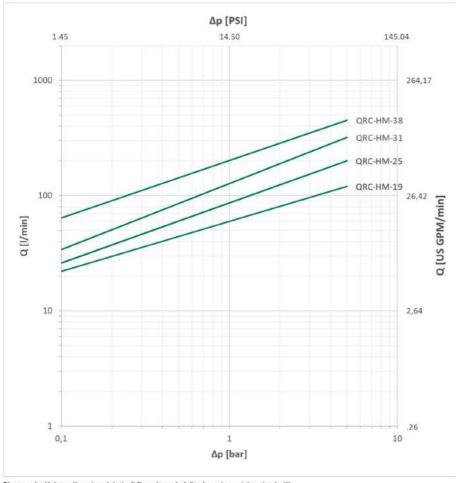
<sup>2</sup> Alternative seal materials are available on request.

### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | g Pressure |      | g Pressure<br>nnected |     | nale Body |     | Male Tip | Spillage | e     |
|--------|----|------------|--------------|-------|--------|--------|------------|------|-----------------------|-----|-----------|-----|----------|----------|-------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI        | bar  | PSI                   | bar | PSI       | bar | PSI      | ml       | fl oz |
| HM-19  | 6  | 3/4"       | 19 (20)      | 220   | 58.12  | 210    | 3046       | 1160 | 16824                 | 580 | 8412      | 460 | 6672     | 0,15     | .0051 |
| HM-25  | 8  | 1"         | 25           | 260   | 68.68  | 210    | 3046       | 880  | 12763                 | 720 | 10443     | 370 | 5366     | 0,4      | .0135 |
| HM-31  | 10 | 1 1/4"     | 31           | 400   | 105.67 | 190    | 2756       | 520  | 7542                  | 570 | 8267      | 430 | 6237     | 0,65     | .0220 |
| HM-38  | 12 | 1 1/2"     | 38           | 600   | 158.50 | 170    | 2466       | 500  | 7252                  | 350 | 5076      | 430 | 6237     | 0,85     | .0287 |

The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

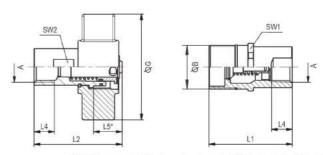
### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

НМ





SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HM-25.

\* Insertion Male Tip.

### Series HM-19 - BG 6 - Nominal Size 19

|                      | Port A          | Dimensions      |       |       |      |        |    |       |       | Female Body              | Weight       | Male Tip                | Weight                    |
|----------------------|-----------------|-----------------|-------|-------|------|--------|----|-------|-------|--------------------------|--------------|-------------------------|---------------------------|
|                      |                 | (mm/in)         |       |       |      |        |    |       |       | Old Part Numbers         | (kg/lbs) Ca. | Old Part Numbers        | ( <sup>kq</sup> /lbs) ca. |
|                      |                 | ØB              | ØG    | L1    | L2   | L4 min | L5 | SW1   | SW2   | STAUFF Ordering Codes    | per 100      | STAUFF Ordering Codes   | per 100                   |
|                      | Female Thread a | ccording to ANS | SIB 1 | .20.3 |      |        |    |       |       |                          |              |                         |                           |
|                      | NPTF 1/2" -14   | 1"1/2-12UNF     | 102   | 79    | 80,5 |        |    | 41,3  | 28,6  | HM19-1-INF08             | 63,50        | HM19-2-INF08            | 43                        |
| $\exists \mathbb{R}$ | NPTF 1/2 -14    | 1 1/2-12 UNF    | 4.01  | 3.11  | 3.17 |        |    | 1"5/8 | 1*1/8 | QRC-HM-19-F-NF08-BT-W162 | 139.99       | QRC-HM-19-M-NF08-B-W162 | 94.80                     |
|                      | NIDET OVALL 4 A | 44 D 401AF      | 102   | 79    | 80,5 |        |    | 41,3  | 28,6  | HM19-1-INF12             | 60,20        | HM19-2-INF12            | 39,50                     |
| H .                  | NPFT 3/4" -14   | 1*1/2-12 UNF    | 4.01  | 3.11  | 3.17 |        |    | 1"5/8 | 1*1/8 | QRC-HM-19-F-NF12-BT-W162 | 132.72       | QRC-HM-19-M-NF12-B-W162 | 87.08                     |

### Series HM-25 - BG 8 - Nominal Size 25

| Port A           | Dimensions    |       |       |      |        |    |       |        | Female Body              | Weight       | Male Tip                | Weight      |
|------------------|---------------|-------|-------|------|--------|----|-------|--------|--------------------------|--------------|-------------------------|-------------|
|                  | (mm/in)       |       |       |      |        |    |       |        | Old Part Numbers         | (kg/lbs) ca. | Old Part Numbers        | (Kg/Ibs) ca |
|                  | ØB            | ØG    | L1    | L2   | L4 min | L5 | SW1   | SW2    | STAUFF Ordering Codes    | per 100      | STAUFF Ordering Codes   | per 100     |
| Female Thread ac | cording to AN | SIB 1 | .20.3 |      |        |    |       |        |                          |              |                         |             |
| NPTF 1" -11 1/2  | 1"7/8 - 12 UN | 114,  | 5 90  | 95,3 |        |    | 48    | 36,3   | HM25-1-INF16             | 104          | HM25-2-INF16            | 63,30       |
| NP1E 1 -11 1/2   | 1 7/0 - 12 UN | 4.50  | 3.54  | 3.75 |        |    | 1"7/8 | 1"7/16 | QRC-HM-25-F-NF16-BT-W162 | 229.28       | QRC-HM-25-M-NF16-B-W162 | 139.55      |

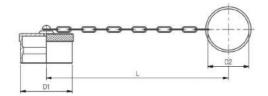
### Series HM-31 • BG 10 • Nominal Size 31,5

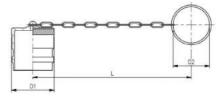
|   | Port A              | <b>Dimensions</b> |        |      |      |        |    |        |       | Female Body              | Weight                    | Male Tip                | Weight      |
|---|---------------------|-------------------|--------|------|------|--------|----|--------|-------|--------------------------|---------------------------|-------------------------|-------------|
|   |                     | (mm/in)           |        |      |      |        |    |        |       | Old Part Numbers         | ( <sup>kg</sup> /lbt) Ca. | Old Part Numbers        | (kg/lbs) ca |
|   |                     | ØB                | ØG     | L1   | L2   | L4 min | L5 | SW1    | SW2   | STAUFF Ordering Codes    | per 100                   | STAUFF Ordering Codes   | per 100     |
| F | Female Thread acco  | ording to ANS     | I B 1. | 20.3 |      |        |    |        |       |                          |                           |                         |             |
|   | NPTF 1 1/4" -11 1/2 | 040 40181         | 135    | 94,2 |      |        |    | 55,1   | 44,5  | HM31-1-INF20             | 125,50                    | HM31-2-INF20            | 76,50       |
|   | NP1F 1 1/4 -11 1/2  | 2 1/8 - 12 UN     | 4.31   | 3.71 | 3.94 |        |    | 2'3/18 | 1*3/4 | QRC-HM-31-F-NF20-BT-W162 | 276.68                    | QRC-HM-31-M-NF20-B-W162 | 168.65      |

### Series HM-38 • BG 12 • Nominal Size 38

|   | Port A              | Dimensions    |       |       |      |           |       |      | Female Body              | Weight      | Male Tip                | Weight      |
|---|---------------------|---------------|-------|-------|------|-----------|-------|------|--------------------------|-------------|-------------------------|-------------|
|   |                     | (mm/in)       |       |       |      |           |       |      | Old Part Numbers         | ("gibs) ca. | Old Part Numbers        | (kg/15s) ca |
|   |                     | ØB            | ØG    | L1    | L2   | L4 min L5 | SW1   | SW2  | STAUFF Ordering Codes    | per 100     | STAUFF Ordering Codes   | per 100     |
|   | Female Thread acc   | ording to AN  | SIB 1 | .20.3 |      |           |       |      |                          |             |                         |             |
|   | NPTF 1 1/2" -11 1/2 | 201/2 12181   | 135   | 104,5 | 103  |           | 63,5  | 50,8 | HM38-1-INF24             | 155         | HM38-2-INF24            | 116         |
| 1 | NETE 1 1/2 -11 1/2  | 2 1/2 - 12 UN | 5.31  | 4.11  | 4.06 |           | 2°1/2 | 2"   | QRC-HM-38-F-NF24-BT-W162 | 341.72      | QRC-HM-38-M-NF24-B-W162 | 255.74      |

### Series HM • Dust Protection





| Dimer<br>(mm/in)<br>D1 | nsions<br>D2 | L     | Material                | Oust Plug for Female Body Old Part Numbers STAUFF Ordering Codes |
|------------------------|--------------|-------|-------------------------|--|
| 40                     | 30           | 210   | D                       | HM19-0-MS001   |
| 1.57                   | 1.18         | 8.27  | Brass with chain        | QRC-HM-19-DF-30/CN-W69   |
| 48,0                   | 41           | 270   | Description of the last | HM25-0-MS001   |
| 1.89                   | 1.61         | 10.63 | Brass with chain        | QRC-HM-25-DF-41/CN-W69   |
| 56                     | 48           | 280   | December of the least   | HM31-0-MS001   |
| 2.20                   | 1.89         | 11.02 | Brass with chain        | QRC-HM-31-DF-48/CN-W69   |
| 63                     | 48           | 280   | B                       | HM38-0-MS001   |
| 2.48                   | 1.89         | 11.02 | Brass with chain        | ORC-HM-38-DF-48/CN-W69   |

| Dimer   | nsions |       | Material          | Dust Cap for Male Tip  |
|---------|--------|-------|-------------------|------------------------|
| (mm/in) |        |       |                   | Old Part Numbers       |
| D1      | D2     | L     |                   | STAUFF Ordering Codes  |
| 41      | 30     | 210   | 0                 | HM19-9-MS001           |
| 1.61    | 1.18   | 8.27  | Brass with chain  | QRC-HM-19-DM-30/CN-W69 |
| 53      | 41     | 270   | B 10 1 1          | HM25-9-MS001           |
| 2.09    | 1.61   | 10.63 | Brass with chain  | QRC-HM-25-DM-41/CN-W69 |
| 62      | 48     | 280   | Donas with a bada | HM31-9-MS001           |
| 2.44    | 1.89   | 11.02 | Brass with chain  | QRC-HM-31-DM-48/CN-W69 |
| 69      | 48     | 280   | m                 | HM38-9-MS001           |
| 0.70    | 4 00   | 44.00 | Brass with chain  | ODC UM 20 DM 40/ON WCO |

нм

# Series HV • Carbon Steel

| Series HV = Overview                     | 178 |
|--|-----|
| Series HV-19 • BG 6 • Nominal Size 19    | 179 |
| Series HV-25 • BG 8 • Nominal Size 25    | 179 |
| Series HV-31 • BG 10 • Nominal Size 31,5 | 179 |
| Series HV-38 • BG 12 • Nominal Size 38   | 179 |
| Series HV-51 * BG 14 * Nominal Size 51   | 180 |
| Series HV = Dust Protection              | 180 |



### Series HV - Carbon Steel

| Material                  | Carbon Steel   |  |
|---------------------------|--|--|
| Surface Finishing         | Zinc-Plating and Thick-Film-Passivation (Chrome III)           |  |
| Standard Seal Material(s) | NBR (Buna-N®) 2  |  |
| Working Temperature       | -25° C +100° C / -13° F +212° F                                |  |
| Valve Design              | Poppet Valve   |  |
| Connection                | Screw  |  |
| Disconnection             | Screw  |  |
| Connect Under Pressure    | Male Tip and Female Body up to max, 100 bar / 1450 PSI allowed |  |
| Application               | Industrial Hydraulic   |  |
| ISO Interchange           | •  |  |



Female Body

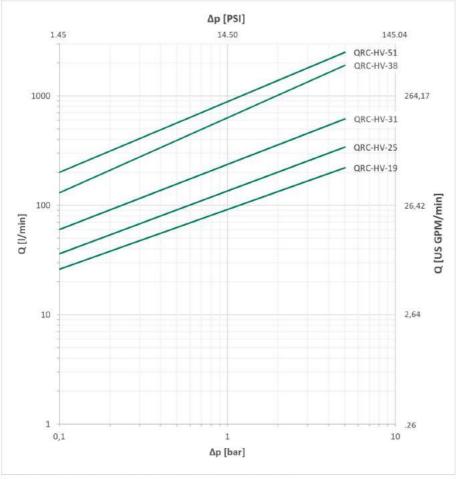
Male Tip

### **Technical Data**

| Series | BG | DN<br>Zoll | DN<br>metric | Q max |        | Workin | ng Pressure |      | g Pressure<br>nnected | Fer | male Body | N    | lale Tip | Spillag | е      |
|--------|----|------------|--------------|-------|--------|--------|-------------|------|-----------------------|-----|-----------|------|----------|---------|--------|
|        |    | Inch       | ISO 4397     | I/min | US GPM | bar    | PSI         | bar  | PSI                   | bar | PSI       | bar  | PSI      | ml      | fl oz  |
| HV-19  | 6  | 3/4"       | 19 (20)      | 190   | 50.19  | 350    | 5076        | 1500 | 21756                 | 750 | 10878     | 1400 | 20305    | 8       | .2705  |
| HV-25  | 8  | 1"         | 25           | 280   | 73.97  | 350    | 5076        | 1600 | 23206                 | 900 | 13053     | 1500 | 21756    | 16      | .5410  |
| HV-31  | 10 | 1 1/4"     | 31           | 480   | 126.80 | 350    | 5076        | 1300 | 18855                 | 850 | 12328     | 1600 | 23206    | 31      | 1.0482 |
| HV-38  | 12 | 1 1/2"     | 38           | 700   | 184.92 | 350    | 5076        | 1200 | 17404                 | 600 | 8702      | 900  | 13053    | 64      | 2.1641 |
| HV-51  | 14 | 2"         | 51           | 1000  | 264.17 | 350    | 5076        | 1100 | 15954                 | 500 | 7252      | 600  | 8702     | 141     | 4.7678 |

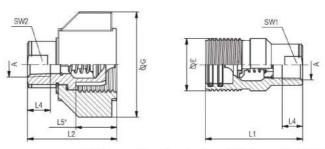
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

### Flow Characteristics



Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

<sup>&</sup>lt;sup>2</sup>Alternative seal materials are available on request,



SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HV-25.

\* Insertion Male Tip.

### Series HV-19 \* BG 6 \* Nominal Size 19

|     | Port A          | Dime<br>(***/in)<br>ØE | ension<br>ØG | s<br>L1 | L2    | L4 min | L5   | SW1   | SW2   | Female Body Old Part Numbers STAUFF Ordering Codes | Weight<br>( <sup>kg</sup> /bs) ca.<br>per 100 | Male Tip Old Part Numbers STAUFF Ordering Codes | Weight<br>(**/lbs) ca<br>per 100 |
|-----|-----------------|------------------------|--------------|---------|-------|--------|------|-------|-------|--|---|---|----------------------------------|
|     | Female Thread a | ccording               | to AN        | ISI B 1 | .20.3 |        |      |       |       |  |   |   |                                  |
|     | NPFT 3/4" -14   | 44,5                   | 72           | 83      | 62    |        | 22   | 31,8  | 31,8  | HV19-1-INF12                                       | 84  | HV19-2-INF12                                    | 48                               |
| TPT | NPF1 3/4 -14    | 1.75                   | 2.83         | 3.27    | 2.44  |        | 0.87 | 1*1/4 | 1"1/4 | QRC-HV-19-F-NF12-BT-W66                            | 185.19  | QRC-HV-19-M-NF12-B-W66                          | 105.82                           |

### Series HV-25 • BG 8 • Nominal Size 25

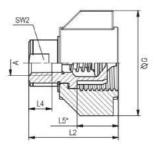
| ØE              | ØG               | L1                     | L2                           | L4 min                            | L5                                | SW1  | SW2   | Old Part Numbers<br>STAUFF Ordering Codes                                  | (* <sup>6</sup> / <sub>70s</sub> ) ca.<br>per 100                               | Old Part Numbers STAUFF Ordering Codes   | (*9/tss) ca<br>per 100   |
|-----------------|------------------|------------------------|------------------------------|-----------------------------------|-----------------------------------|--|---|--|---|--|--|
| Thread accordin | g to AN          | ISI B 1                | .20.3                        |                                   |                                   |  |   |  |   |  |  |
| 11.1/2 57       | 102              | 106                    | 87,6                         |                                   | 39,95                             | 41,3   | 41,3  | HV25-1-INF16   | 114,50  | HV25-2-INF16   | 110  |
| -11 1/2 2.25    | 5 4.01           | 4.17                   | 3.45                         |                                   | 1.57                              | 1"5/8  | 1"5/8   | QRC-HV-25-F-NF16-BT-W66  | 252.43  | QRC-HV-25-M-NF16-B-W66   | 242.51   |
|                 | Thread according | Thread according to AN | Thread according to ANSI B 1 | Thread according to ANSI B 1.20.3 | Thread according to ANSI B 1.20.3 | Thread according to ANSI B 1.20.3  11.11/2 57 102 106 87.6 39.95 | Thread according to ANSI B 1.20.3  .11.1/2 57 102 106 87.6 39.95 41,3 | Thread according to ANSI B 1.20.3  11.11/2 57 102 106 87.6 39.95 41,3 41,3 | Thread according to ANSI B 1.20.3  57 102 106 87.6 39.95 41.3 41.3 HV25-1-INF16 | Thread according to ANSI B 1.20.3  .11.1/2 57 102 106 87.6 39.95 41,3 41,3 HV25-1-INF16 114.50 | Thread according to ANSI B 1.20.3  11.1/2 57 102 106 87.6 39.95 41,3 41,3 HV25-1-INF16 114.50 HV25-2-INF16 |

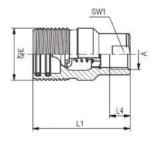
### Series HV-31 • BG 10 • Nominal Size 31,5

|             | Port A              | Dime    | nsions | S       |      |        |      |     |     | Female Body             | Weight       | Male Tip               | Weight                   |
|-------------|---------------------|---------|--------|---------|------|--------|------|-----|-----|-------------------------|--------------|------------------------|--------------------------|
|             |                     | (mm/in) | 111    |         |      |        |      |     |     | Old Part Numbers        | (kg/16:) Ca. | Old Part Numbers       | ( <sup>kg</sup> /lbs) C8 |
|             |                     | ØE      | ØG     | L1      | L2   | L4 min | L5   | SW1 | SW2 | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes  | per 100                  |
|             | Female Thread acco  | ording  | to AN  | SI B 1. | 20.3 |        |      |     |     |                         |              |                        |                          |
|             | NPTF 1 1/4" -11 1/2 | 66,5    |        | 136     | 113  |        | 51   |     |     | HV31-1-INF20            | 253          | HV31-2-INF20           | 187                      |
| <b>∃</b> ₹1 | NF1F1 1/4 -11 1/2   | 2.62    |        | 5.35    | 4.45 |        | 12.0 | 1   |     | QRC-HV-31-F-NF20-BT-W66 | 557.77       | QRC-HV-31-M-NF20-B-W66 | 412.26                   |
|             | NPIF1 1/4" -11 1/2  | 2.62    |        | 5.35    | 4.45 |        | 12.0 | 1   |     | QRC-HV-31-F-NF20-BT-W66 | 557.77       | QRC-HV-31-M-NF20-B-W66 |                          |

### Series HV-38 \* BG 12 \* Nominal Size 38

|    | Port A              | Dime<br>(mm/in) | nsion | s       |       |        |      |     |     | Female Body Old Part Numbers | Weight (*9/10s) ca. | Male Tip Old Part Numbers | Weight<br>(kg/tbs) Ca |
|----|---------------------|-----------------|-------|---------|-------|--------|------|-----|-----|------------------------------|---------------------|---------------------------|-----------------------|
|    |                     | ØE              | ØG    | L1      | L2    | L4 min | L5   | SW1 | SW2 | STAUFF Ordering Codes        | per 100             | STAUFF Ordering Codes     | per 100               |
|    | Female Thread acco  | ording          | to AN | ISI B 1 | .20.3 |        |      |     |     |                              |                     |                           |                       |
|    | NPTF 1 1/2" -11 1/2 | 82,5            | 140   | 152     | 133,3 |        | 64,3 |     |     | HV38-1-INF24                 | 401                 | HV38-2-INF24              | 310                   |
| 77 | NPIF 1 1/2 -11 1/2  | 3.25            | 5.51  | 5.98    | 5.25  |        | 2.53 |     |     | QRC-HV-38-F-NF24-BT-W66      | 884.05              | QRC-HV-38-M-NF24-B-W66    | 683.43                |





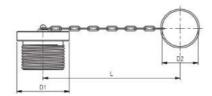
SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HV-25.

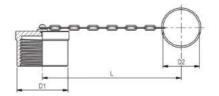
\* Insertion Male Tip.

### Series HV-51 • BG 14 • Nominal Size 51

|    | Port A           | Dime    | ension | S       |       |        |      |     |     | Female Body             | Weight       | Male Tip               | Weight      |
|----|------------------|---------|--------|---------|-------|--------|------|-----|-----|-------------------------|--------------|------------------------|-------------|
|    |                  | (mm/in  | )      |         |       |        |      |     |     | Old Part Numbers        | (kg/lbs) Ca. | Old Part Numbers       | (*P/Ibo) Ca |
|    |                  | ØE      | ØG     | L1      | L2    | L4 min | L5   | SW1 | SW2 | STAUFF Ordering Codes   | per 100      | STAUFF Ordering Codes  | per 100     |
|    | Female Thread ac | cording | to AN  | ISI B 1 | .20.3 |        |      |     |     |                         |              |                        |             |
|    | NPTF 2" -11 1/2  | 101     | 162    | 179     | 151,5 |        | 75,5 |     |     | HV51-1-INF32            | 793,50       | HV51-2-INF32           | 557         |
| 17 | NF1F Z -11 1/Z   | 3.97    | 6.37   | 7.05    | 5.96  |        | 2.97 |     |     | QRC-HV-51-F-NF32-BT-W66 | 1749.67      | QRC-HV-51-M-NF32-B-W66 | 1227.98     |

### Series HV - Dust Protection

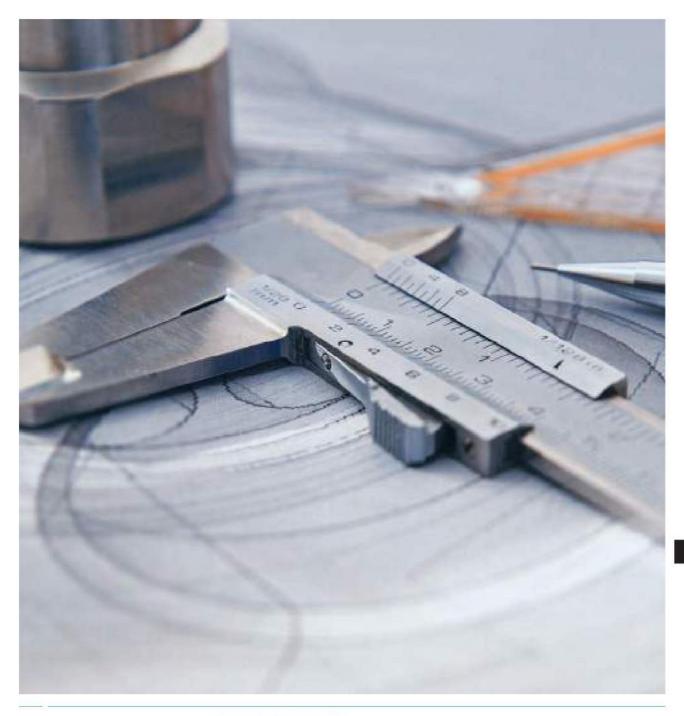




| Dimen   | sions |       | Material  | Dust Plug for Female Body |
|---------|-------|-------|---|---------------------------|
| (mm/in) |       |       |   | Old Part Numbers          |
| D1      | D2    | L     |   | STAUFF Ordering Codes     |
|         |       |       | Aluminium with chain                            | HV19-0-SI001*             |
|         |       |       | Aluminium with chain                            | QRC-HV-19-DF-CN-W89-SI*   |
| 69,5    | 48    | 270   | Aluminium with chain                            | HV25-0-SI001              |
| 2.74    | 1.89  | 10.63 | Aluminium with chain                            | QRC-HV-25-DF-48/CN-W89-SI |
| 75,5    | 49    | 270   | Attachet or white about                         | HV31-0-SI001              |
| 2.97    | 1,93  | 10.63 | Aluminium with chain                            | QRC-HV-31-DF-49/CN-W89-SI |
| 95,5    | 48    | 280   | No. 2012 10 10 10 10 10 10 10 10 10 10 10 10 10 | HV38-0-SI001              |
| 3.76    | 1.89  | 11.02 | Aluminium with chain                            | QRC-HV-38-DF-48/CN-W89-SI |
|         |       |       | Abvastatore suitible abouts                     | HV51-0-SI001*             |
|         |       |       | Aluminium with chain                            | QRC-HV-51-DF-CN-W89-SI*   |

| Dimer   | nsions |       | Material                | Dust Cap for Male Tip     |
|---------|--------|-------|-------------------------|---------------------------|
| (mm/in) |        |       |                         | Old Part Numbers          |
| D1      | D2     | L     |                         | STAUFF Ordering Codes     |
|         |        |       | Aluminium with chain    | HV19-9-SI001*             |
|         |        |       | Aluminium with chain    | QRC-HV-19-DM-CN-W89-SI*   |
| 70      | 48     | 270   | Aluminium with chain    | HV25-9-SI001              |
| 2.76    | 1.89   | 10.63 | Aluminium wan chain     | QRC-HV-25-DM-48/CN-W89-SI |
| 80,5    | 49     | 270   | Aluminium with chain    | HV31-9-SI001              |
| 3.17    | 1.93   | 10.63 | Aluminium with chain    | QRC-HV-31-DM-49/CN-W89-SI |
| 96      | 48     | 280   | 45 months and 11 months | HV38-9-SI001              |
| 3.78    | 1.89   | 11.02 | Aluminium with chain    | QRC-HV-38-DM-48/CN-W89-SI |
|         |        |       | Aluminium with chain    | HV51-9-SI001*             |
|         |        |       | Aluminium with chain    | QRC-HV-51-DM-CN-W89-SI*   |

<sup>\*</sup> Available on request.



In addition of our common couplings series, we also have various special designs for a huge range of special applications, even outside the hydraulic area, in our portfolio.

We are open minded to find customized solutions for all kind of applications and different influencing factors and work them out for or together with our customers.

### **Water Application**



### **Electro-technics**



## **Automotive Engineering**



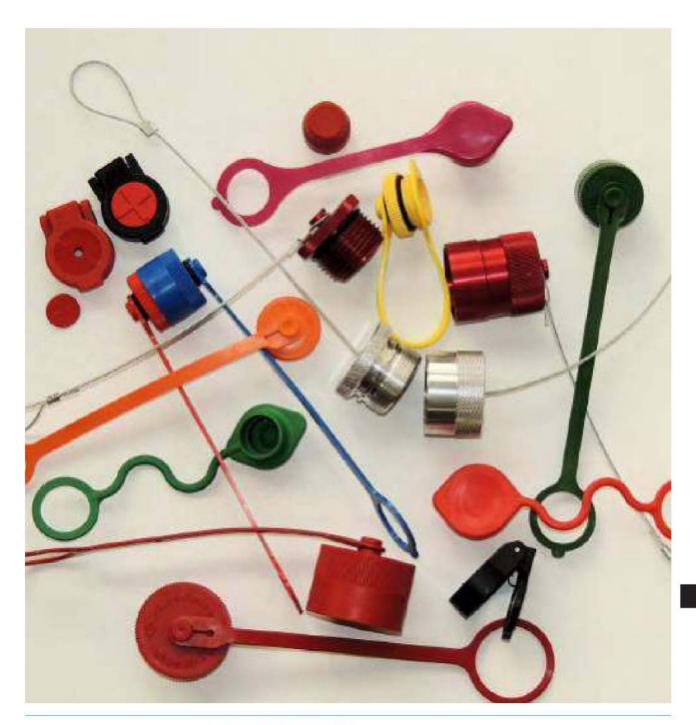
## **Agricultural Engineering**



# Refrigeration



| Dust cover clips                | 188      |
|---------------------------------|----------|
| Dust cover body                 | 188      |
| Marking Clips                   | 189      |
| Safety Clamp with 4-hole flange | 189      |
| Anchor bracket for Male Tip     | 189      |
| Seal Kits                       | 190 - 19 |

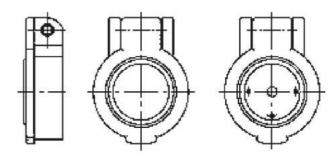


### **Dust cover clips**

### Description

This dust guard can be fitted to the Female Body after installation for the Series HP and FF. The cap is also available with an optional drill hole for a marking clip.

In addition to the standard colour black, plastic dust caps are also available for the types HP-10 and the series FF in blue, green, yellow and red. Please use the old color codes BL, GN, GE and RT respectively instead of SW. Please use the STAUFF codes BU, GN, YE and RD respectively instead of BK. The types HP-08 and HP-12 are only available in black.

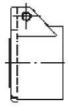


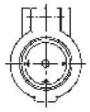
| Туре                | Without bore          | With bore             |
|---------------------|-----------------------|-----------------------|
|                     | Old Part Numbers      | Old Part Numbers      |
|                     | STAUFF Ordering Codes | STAUFF Ordering Codes |
| HP-10 + FF-10       |                       | SZ08-6-SW001C1        |
|                     |                       | QRC-SZ-SF-32/L-K-BK   |
| UX-12/HP-12 + FF-12 | SZ10-6-SW001A1        | SZ10-6-SW002C1        |
|                     | QRC-SZ-SF-38-K-BK     | QRC-SZ-SF-38/L-K-BK   |
| HP-19 + FF-19       |                       | SZ12-6-SW002C1        |
|                     |                       | QRC-SZ-SF-46/L-K-BK   |

### **Dust cover body**

### Description

The dust guard is used to protect the carrier half against pollution. The cap is also available with an optional drill hole for a marking clip.





| Туре  | Without bore          | With bore              |
|-------|-----------------------|------------------------|
|       | Old Part Numbers      | Old Part Numbers       |
|       | STAUFF Ordering Codes | STAUFF Ordering Codes  |
| RH-10 | RH-08-7-SW001A1       | RH-08-7-SW001C1        |
|       | QRC-RH-10-BF-30-K-BK  | QRC-RH-10-BF-30/L-K-BK |