

## Series HSN • Carbon Steel

### Product Description

Screw-to-connect couplings of the HSN Series from STAUFF consist of a female body with external thread and a male tip with a screw sleeve. The Series is developed for particularly heavy-duty applications for connecting hydraulic lines up to DN38 (1-1/2").

Coupling (screwing) and uncoupling (unscrewing) of the two halves is safe and very easy. The coupling is designed to open both valves when connected together and due to their rugged design, higher operating and burst pressures, they are well suited for heavy-duty service conditions in construction machinery.

The Series was developed according to ISO 14541 in the following nominal sizes 06, 10, 12, 19, 25, 38 (1/4" - 1-1/2"). The nominal diameters DN 25 and DN 38 are compatible with the market standard.

The proven design is suitable for use in heavy construction. Other applications include attachments or equipment using high pressure, high impulse hydraulics, e.g. hydraulic hammers.

### Features

- poppet valve
- Coupling made from carbon steel with Zinc/Nickel surface coating
- ISO Interchange acc. to ISO 14541
- Connectable under pressure
- Feature: Groove for colour marking rings  
Groove as a safety feature to indicate the complete/correct connection of Male Tip and Female Body (the sleeve of the Male Tip must be screwed up to the groove of the Female Body)

### Applications



**Construction Machinery**



**Industrial Hydraulic**

### Top Features



**Vibration resistant**



**Designed for secure connection**

**HSN**



## Series HSN - Carbon Steel

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Material                  | Carbon Steel                                    |
| Surface Finishing         | Zinc/Nickel                                     |
| Standard Seal Material(s) | NBR (Buna-N®), PTFE, PU                         |
| 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 possible (see table below) |
| Application               | Construction Machinery, Industrial Hydraulic    |
| ISO Interchange           | ISO 14541 (DN 6,3-19 BG 1-4)                    |



## Technical Data

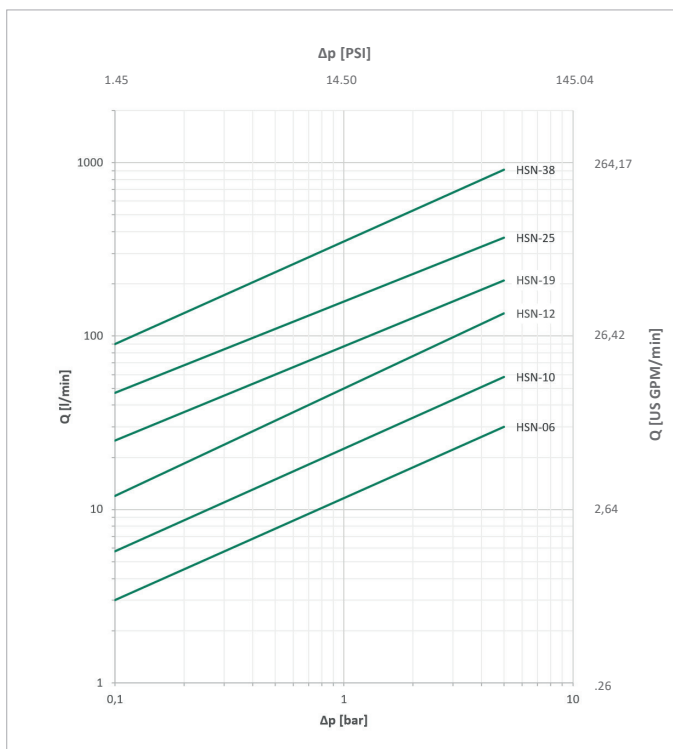
| Series | BG | DN<br>Zoll<br>Inch | DN<br>metric<br>ISO 4397 | Q <sub>max</sub> |        | Working Pressure<br>Connected |      | Disconnected |      | Spillage |       |
|--------|----|--------------------|--------------------------|------------------|--------|-------------------------------|------|--------------|------|----------|-------|
|        |    |                    |                          | l/min            | US GPM | bar                           | PSI  | bar          | PSI  | ml       | fl oz |
| HSN-06 | 1  | 1/4"               | 6,3                      | 24               | 6.34   | 450                           | 6527 | 450          | 6527 | 0,65     | .0220 |
| HSN-10 | 2  | 3/8"               | 10                       | 46               | 12.15  | 450                           | 6527 | 450          | 6527 | 1,66     | .0561 |
| HSN-12 | 3  | 1/2"               | 12,5                     | 90               | 23.78  | 400                           | 5802 | 400          | 5802 | 3,1      | .1048 |
| HSN-19 | 4  | 3/4"               | 19                       | 212              | 56.00  | 400                           | 5802 | 400          | 5802 | 8,1      | .2739 |
| HSN-25 | 6  | 1"                 | 25                       | 378              | 99.86  | 350                           | 5076 | 350          | 5076 | 15       | .5072 |
| HSN-38 | 8  | 1 1/2"             | 38                       | 684              | 180.69 | 350                           | 5076 | 350          | 5076 | 44,5     | 1.505 |

| Series | Bursting Pressure<br>Connected |       | Female Body |       | Male Tip |       | Connecting under<br>Residual Pressure<br>Female Body or Male Tip |      |
|--------|--------------------------------|-------|-------------|-------|----------|-------|------------------------------------------------------------------|------|
|        | bar                            | PSI   | bar         | PSI   | bar      | PSI   | bar                                                              | PSI  |
| HSN-06 | 1800                           | 26107 | 1800        | 26107 | 1800     | 26107 | 115                                                              | 1668 |
| HSN-10 | 1600                           | 23206 | 1750        | 25382 | 1550     | 22481 | 100                                                              | 1450 |
| HSN-12 | 1400                           | 20305 | 1200        | 17405 | 1200     | 17405 | 130                                                              | 1885 |
| HSN-19 | 1500                           | 21756 | 1700        | 24656 | 1200     | 17405 | 82,5                                                             | 1197 |
| HSN-25 | 1600                           | 23206 | 1600        | 23206 | 1500     | 21756 | 100                                                              | 1450 |
| HSN-38 | 1800                           | 26107 | 1600        | 23206 | 1400     | 20305 | 60                                                               | 870  |

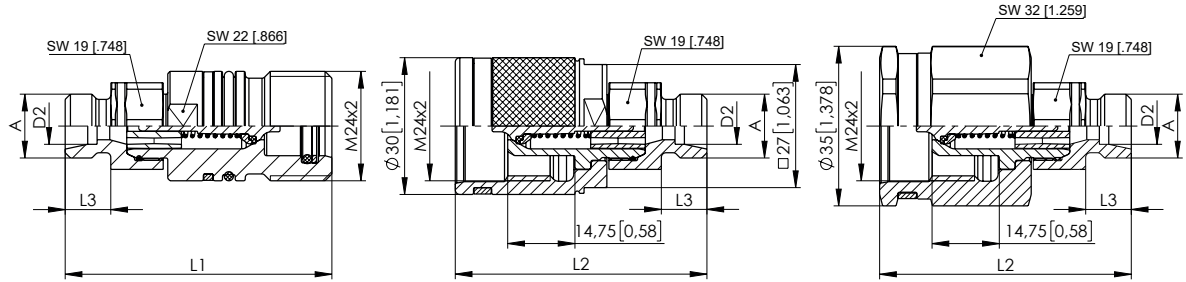
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

## HSN

## Flow Characteristics

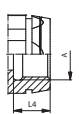
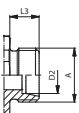
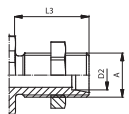


Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.



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

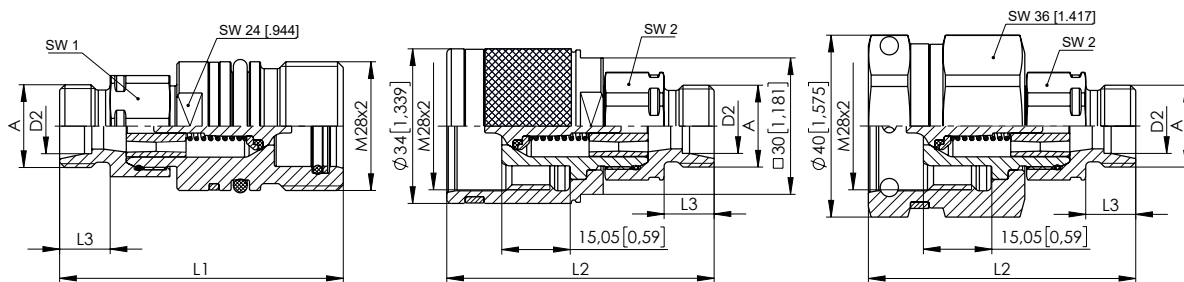
### Series HSN-06 ▪ BG 1 ▪ Nominal Size 6,3

| Port A                                                                              | Dimensions<br>( <sup>mm</sup> / <sub>in</sub> ) |    |              |              |            | Female Body    | Weight<br>( <sup>kg</sup> / <sub>lbs</sub> ) ca.<br>per 100 | Male Tip       | Weight<br>( <sup>kg</sup> / <sub>lbs</sub> ) ca.<br>per 100 |               |
|-------------------------------------------------------------------------------------|-------------------------------------------------|----|--------------|--------------|------------|----------------|-------------------------------------------------------------|----------------|-------------------------------------------------------------|---------------|
|                                                                                     | ØD2                                             | L1 | L2           | L3           | L4         | Ordering Codes |                                                             | Ordering Codes |                                                             |               |
| Female Thread according to DIN 3852-2-A - ANSI B 1.20.3                             |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
|    | G 1/4"                                          |    | 62<br>2.44   | 58,7<br>2.31 |            | 15<br>.59      | QRC-HSN-06-F-G04-BT-W3                                      | 13,7<br>30.21  | QRC-HSN-06-M-G04-B-W3                                       | 13,8<br>30.43 |
|                                                                                     | NPTF 1/4" -18                                   |    | 59,5<br>2.31 | 56,2<br>2.21 |            |                | QRC-HSN-06-F-NF04-BT-W3                                     | 13,3<br>29.33  | QRC-HSN-06-M-NF04-B-W3                                      | 13,4<br>29.55 |
|                                                                                     |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
|                                                                                     |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861                   |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
|    | M14x1,5                                         | 8L | 58,5<br>2.30 | 55,2<br>2.17 | 10<br>.39  |                | QRC-HSN-06-F-08L-BT-W3                                      | 12,4<br>27.34  | QRC-HSN-06-M-08L-B-W3                                       | 12,5<br>27.56 |
|                                                                                     | M16x1,5                                         | 8S | 60,5<br>2.38 | 57,2<br>2.27 | 12<br>.47  |                | QRC-HSN-06-F-08S-BT-W3                                      | 13,1<br>28.89  | QRC-HSN-06-M-08S-B-W3                                       | 13,2<br>29.11 |
|                                                                                     |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
|                                                                                     |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
| Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861        |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
|  | M14x1,5                                         | 8L | 73,5<br>2.89 | 70,2<br>2.76 | 25<br>.98  |                | QRC-HSN-06-F-08LB-BT-W3                                     | 14,8<br>32.63  | QRC-HSN-06-M-08LB-B-W3                                      | 14,9<br>32.85 |
|                                                                                     | M16x1,5                                         | 8S | 75,5<br>2.87 | 72,2<br>2.84 | 27<br>1.06 |                | QRC-HSN-06-F-08SB-BT-W3                                     | 16,4<br>36.16  | QRC-HSN-06-M-08SB-B-W3                                      | 16,5<br>36.38 |
|                                                                                     |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |
|                                                                                     |                                                 |    |              |              |            |                |                                                             |                |                                                             |               |

For the Version with Hexagonal Sleeve, please add "-HX" behind the Ordering Code.

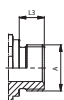
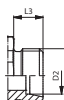
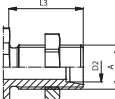
**HSN**

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of push-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



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

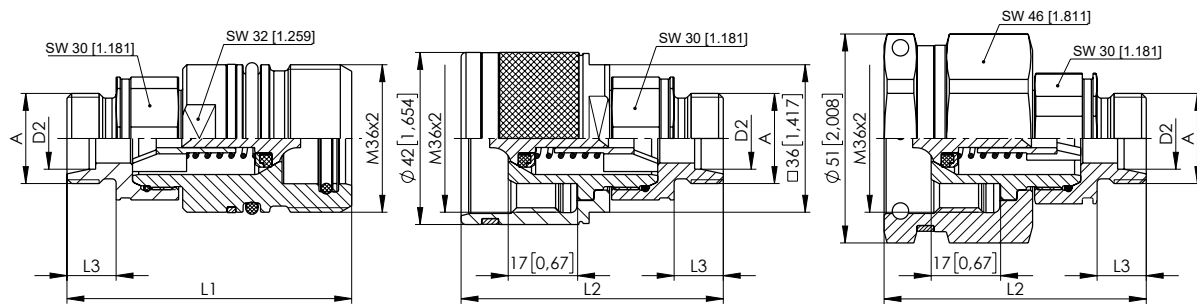
## Series HSN-10 • BG 2 • Nominal Size 10

|                                                                                     | Port A        | Dimensions<br>(mm/in) |              |              |            |             |            |            | Female Body             | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 | Male Tip               | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 |
|-------------------------------------------------------------------------------------|---------------|-----------------------|--------------|--------------|------------|-------------|------------|------------|-------------------------|------------------------------------------------|------------------------|------------------------------------------------|
|                                                                                     |               | ØD2                   | L1           | L2           | L3         | L4          | SW1        | SW2        |                         |                                                |                        |                                                |
| Male Thread according to DIN ISO 8434-1                                             |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |
|    | G 3/8"        |                       | 65,2<br>2.56 | 62,3<br>2.45 | 12<br>.47  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-B06-BT-W3  | 17,1<br>37.7                                   | QRC-HSN-10-M-B06-B-W3  | 17,6<br>38.8                                   |
|                                                                                     | UNF 3/4" -16  |                       | 64,8<br>2.55 | 61,9<br>2.43 | 14<br>.55  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-J06-BT-W3  | 15,9<br>35.05                                  | QRC-HSN-10-M-J06-B-W3  | 16,3<br>35.94                                  |
|                                                                                     |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |
| Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3                |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |
|    | G1/4"         |                       | 63,7<br>2.51 | 60,8<br>2.39 |            | 14,5<br>.57 | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-G04-BT-W3  | 18<br>39,69                                    | QRC-HSN-10-M-G04-B-W3  | 18,4<br>40.57                                  |
|                                                                                     | G3/8"         |                       | 63,7<br>2.51 | 60,8<br>2.39 |            | 14,5<br>.57 | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-G06-BT-W3  | 17,1<br>37.7                                   | QRC-HSN-10-M-G06-B-W3  | 17,6<br>38.8                                   |
|                                                                                     | M16x1,5       |                       | 63,7<br>2.51 | 60,8<br>2.39 |            | 15<br>.59   | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-M16-BT-W3  | 17,1<br>37.7                                   | QRC-HSN-10-M-M16-B-W3  | 17,5<br>38.58                                  |
|                                                                                     | NPTF 3/8" -18 |                       | 63,7<br>2.51 | 60,8<br>2.39 |            |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-NF06-BT-W3 | 17,2<br>37.92                                  | QRC-HSN-10-M-NF06-B-W3 | 17,7<br>39.02                                  |
|                                                                                     |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861                   |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |
|  | M14x1,5       | 8L                    | 60,7<br>2.39 | 57,8<br>2.28 | 10<br>.39  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-08L-BT-W3  | 15,7<br>34.61                                  | QRC-HSN-10-M-08L-B-W3  | 16,2<br>35,71                                  |
|                                                                                     | M16x1,5       | 10L                   | 61,7<br>2.43 | 58,8<br>2.31 | 11<br>.43  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-10L-BT-W3  | 15,9<br>35.05                                  | QRC-HSN-10-M-10L-B-W3  | 16,3<br>35.94                                  |
|                                                                                     | M18x1,5       | 12L                   | 61,7<br>2.43 | 58,8<br>2.31 | 11<br>.43  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-12L-BT-W3  | 16<br>35.28                                    | QRC-HSN-10-M-12L-B-W3  | 16,4<br>36.16                                  |
|                                                                                     | M22x1,5       | 15L                   | 62,7<br>2.47 | 59,8<br>2.35 | 12<br>.47  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-08S-BT-W3  | 16,3<br>35.94                                  | QRC-HSN-10-M-08S-B-W3  | 16,8<br>37.04                                  |
|                                                                                     | M16x1,5       | 8S                    | 62,7<br>2.47 | 59,8<br>2.35 | 12<br>.47  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-15L-BT-W3  | 16,8<br>37.03                                  | QRC-HSN-10-M-15L-B-W3  | 17,2<br>37.92                                  |
|                                                                                     | M18x1,5       | 10S                   | 62,7<br>2.47 | 59,8<br>2.35 | 12<br>.47  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-10S-BT-W3  | 16,5<br>36.38                                  | QRC-HSN-10-M-10S-B-W3  | 16,9<br>37.26                                  |
|                                                                                     | M20x1,5       | 12S                   | 62,7<br>2.47 | 59,8<br>2.35 | 12<br>.47  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-12S-BT-W3  | 16,8<br>37.04                                  | QRC-HSN-10-M-12S-B-W3  | 17,2<br>37.92                                  |
| Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861        |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |
|  | M14x1,5       | 8L                    | 75,7<br>2.98 | 72,8<br>2.86 | 25<br>.98  |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-08LB-BT-W3 | 18,1<br>39.91                                  | QRC-HSN-10-M-08LB-B-W3 | 18,5<br>40.79                                  |
|                                                                                     | M16x1,5       | 10L                   | 76,7<br>3.02 | 73,8<br>2.90 | 26<br>1.02 |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-10LB-BT-W3 | 18,9<br>41.67                                  | QRC-HSN-10-M-10LB-B-W3 | 19,3<br>44.55                                  |
|                                                                                     | M18x1,5       | 12L                   | 76,7<br>3.02 | 73,8<br>2.90 | 26<br>1.02 |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-12LB-BT-W3 | 19,4<br>42.77                                  | QRC-HSN-10-M-12LB-B-W3 | 19,8<br>43.65                                  |
|                                                                                     | M22x1,5       | 15L                   | 77,7<br>3.06 | 74,8<br>2.94 | 27<br>1.06 |             | 27<br>1.06 | 27<br>1.06 | QRC-HSN-10-F-15LB-BT-W3 | 21,9<br>48.28                                  | QRC-HSN-10-M-15LB-B-W3 | 22,4<br>49.39                                  |
|                                                                                     | M16x1,5       | 08S                   | 77,7<br>3.06 | 74,8<br>2.94 | 27<br>1.06 |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-08SB-BT-W3 | 19,7<br>43.43                                  | QRC-HSN-10-M-08SB-B-W3 | 20,1<br>44.32                                  |
|                                                                                     | M18x1,5       | 10S                   | 77,7<br>3.06 | 74,8<br>2.94 | 27<br>1.06 |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-10SB-BT-W3 | 20,4<br>44.98                                  | QRC-HSN-10-M-10SB-B-W3 | 20,8<br>45.86                                  |
|                                                                                     | M20x1,5       | 12S                   | 77,7<br>3.06 | 74,8<br>2.94 | 27<br>1.06 |             | 22<br>.87  | 22<br>.87  | QRC-HSN-10-F-12SB-BT-W3 | 21,6<br>47.62                                  | QRC-HSN-10-M-12SB-B-W3 | 22,1<br>48.73                                  |
|                                                                                     |               |                       |              |              |            |             |            |            |                         |                                                |                        |                                                |

For the Version with Hexagonal Sleeve, please add "-HX" behind the Ordering Code.

For the version with safety pin, please add '-700519' for spring clips on the rope or '-700599' for Fokker needles on the rope to the Ordering Code.

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of push-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



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

### Series HSN-12 ▪ BG 3 ▪ Nominal Size 12,5

|                                                                                                  | Port A        | Dimensions<br>( <sup>mm</sup> / <sub>in</sub> ) |               |               |           |           | Female Body<br><br>Ordering Codes | Weight<br>( <sup>kg</sup> / <sub>lbs</sub> ) ca.<br>per 100 | Male Tip<br><br>Ordering Codes | Weight<br>( <sup>kg</sup> / <sub>lbs</sub> ) ca.<br>per 100 |
|--------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------|---------------|---------------|-----------|-----------|-----------------------------------|-------------------------------------------------------------|--------------------------------|-------------------------------------------------------------|
|                                                                                                  |               | ØD2                                             | L1            | L2            | L3        | L4        |                                   |                                                             |                                |                                                             |
| Male Thread according to DIN 3852-2 - ISO 9974-3                                                 |               |                                                 |               |               |           |           |                                   |                                                             |                                |                                                             |
|                 | G 3/8"        |                                                 | 75<br>2.95    | 69,5<br>2.74  | 12<br>.47 |           | QRC-HSN-12-F-B06-BT-W3            | 33,1<br>72.97                                               | QRC-HSN-12-M-B06-B-W3          | 28,5<br>62.83                                               |
|                                                                                                  | G 1/2"        |                                                 | 73<br>2.87    | 67,5<br>2.66  | 12<br>.47 |           | QRC-HSN-12-F-B08-BT-W3            | 32<br>70.55                                                 | QRC-HSN-12-M-B08-B-W3          | 27,4<br>60.41                                               |
|                                                                                                  | M22x1,5       |                                                 | 75,25<br>2.96 | 69,75<br>2.75 | 12<br>.47 |           | QRC-HSN-12-F-M22M-BT-W3           | 33,1<br>72.97                                               | QRC-HSN-12-M-M22M-B-W3         | 28,4<br>62.61                                               |
|                                                                                                  | M22x1,5       |                                                 | 74,5<br>2.93  | 69<br>2.72    | 12<br>.47 |           | QRC-HSN-12-F-M22MWD-BT-W3         | 32,6<br>71.87                                               | QRC-HSN-12-M-M22MWD-B-W3       | 27,9<br>61.51                                               |
| Female Thread according to DIN 3852-2-A - ISO 6149-1 - ANSI B 1.20.3 - SAE J1926-1 - ISO 11926-1 |               |                                                 |               |               |           |           |                                   |                                                             |                                |                                                             |
|                | G3/8"         |                                                 | 70,5<br>2.77  | 65<br>2.55    |           | 15<br>.59 | QRC-HSN-12-F-G06-BT-W3            | 34,9<br>78.73                                               | QRC-HSN-12-M-G06-B-W3          | 30,2<br>68.12                                               |
|                                                                                                  | G1/2"         |                                                 | 70,5<br>2.77  | 65<br>2.55    |           | 15<br>.59 | QRC-HSN-12-F-G08-BT-W3            | 33,6<br>75.80                                               | QRC-HSN-12-M-G08-B-W3          | 29<br>65.42                                                 |
|                                                                                                  | M18x1,5       |                                                 | 70,4<br>2.77  | 64,9<br>2.55  |           | 15<br>.59 | QRC-HSN-12-F-M180R-BT-W3          | 34,3<br>74.22                                               | QRC-HSN-12-M-M180R-B-W3        | 29,6<br>63.61                                               |
|                                                                                                  | NPTF 1/2" -14 |                                                 | 74,8<br>2.94  | 69,3<br>2.71  |           |           | QRC-HSN-12-F-NF08-BT-W3           | 35,4<br>79.86                                               | QRC-HSN-12-M-NF08-B-W3         | 30,7<br>69.23                                               |

For the Version with Hexagonal Sleeve, please add "-HX" behind the Ordering Code.

For the version with safety pin, please add '-700519' for spring clips on the rope

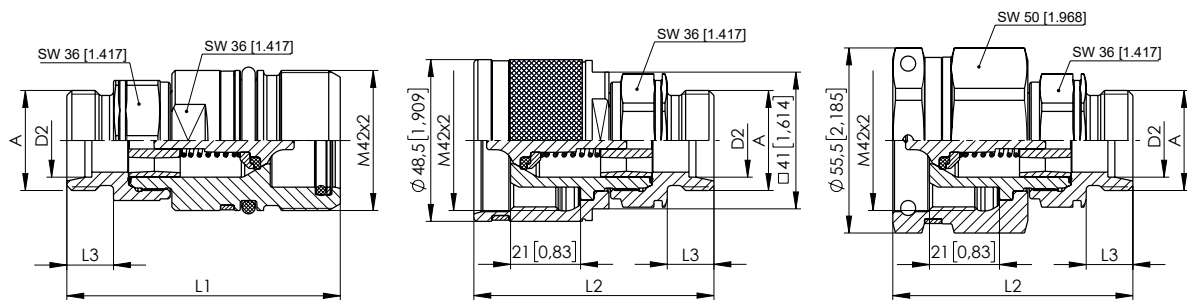
or '-700599' for Fokker needles on the rope to the Ordering Code.



|                                                                                     | Port A  | Dimensions<br>(mm/m) |              |            |            |    | Female Body<br><br>Ordering Codes | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 | Male Tip<br><br>Ordering Codes | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 |
|-------------------------------------------------------------------------------------|---------|----------------------|--------------|------------|------------|----|-----------------------------------|------------------------------------------------|--------------------------------|------------------------------------------------|
|                                                                                     |         | ØD2                  | L1           | L2         | L3         | L4 |                                   |                                                |                                |                                                |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861                   |         |                      |              |            |            |    |                                   |                                                |                                |                                                |
|    | M14x1,5 | 8L                   | 70,5<br>2.76 | 65<br>2.56 | 10<br>.39  |    | QRC-HSN-12-F-08L-BT-W3            | 31,8<br>70.11                                  | QRC-HSN-12-M-08L-B-W3          | 27,1<br>59.75                                  |
|                                                                                     | M16x1,5 | 10L                  | 71,5<br>2.81 | 66<br>2.6  | 11<br>.43  |    | QRC-HSN-12-F-10L-BT-W3            | 31,9<br>70.32                                  | QRC-HSN-12-M-10L-B-W3          | 27,3<br>60.19                                  |
|                                                                                     | M18x1,5 | 12L                  | 71,5<br>2.81 | 66<br>2.6  | 11<br>.43  |    | QRC-HSN-12-F-12L-BT-W3            | 32<br>70.55                                    | QRC-HSN-12-M-12L-B-W3          | 27,3<br>60.19                                  |
|                                                                                     | M22x1,5 | 15L                  | 72,5<br>2.85 | 67<br>2.64 | 12<br>.47  |    | QRC-HSN-12-F-15L-BT-W3            | 32,6<br>71.87                                  | QRC-HSN-12-M-15L-B-W3          | 27,9<br>61.51                                  |
|                                                                                     | M26x1,5 | 18L                  | 72,5<br>2.85 | 67<br>2.64 | 12<br>.47  |    | QRC-HSN-12-F-18L-BT-W3            | 33<br>72.75                                    | QRC-HSN-12-M-18L-B-W3          | 28,3<br>62.39                                  |
|                                                                                     | M18x1,5 | 10S                  | 72,5<br>2.85 | 67<br>2.64 | 12<br>.47  |    | QRC-HSN-12-F-10S-BT-W3            | 32,6<br>71.87                                  | QRC-HSN-12-M-10S-B-W3          | 28<br>61.73                                    |
|                                                                                     | M20x1,5 | 12S                  | 72,5<br>2.85 | 67<br>2.64 | 12<br>.47  |    | QRC-HSN-12-F-12S-BT-W3            | 32,9<br>75.53                                  | QRC-HSN-12-M-12S-B-W3          | 28,2<br>62.17                                  |
|                                                                                     | M22x1,5 | 14S                  | 74,5<br>2.93 | 69<br>2.72 | 14<br>.55  |    | QRC-HSN-12-F-14S-BT-W3            | 33,4<br>73.63                                  | QRC-HSN-12-M-14S-B-W3          | 28,8<br>63.49                                  |
|                                                                                     | M24x1,5 | 16S                  | 74,5<br>2.93 | 69<br>2.72 | 14<br>.55  |    | QRC-HSN-12-F-16S-BT-W3            | 33,5<br>73.85                                  | QRC-HSN-12-M-16S-B-W3          | 28,9<br>63.71                                  |
| Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861        |         |                      |              |            |            |    |                                   |                                                |                                |                                                |
|  | M14x1,5 | 08L                  | 86,5<br>3.41 | 81<br>3.12 | 26<br>1.02 |    | QRC-HSN-12-F-08LB-BT-W3           | 34,3<br>75.62                                  | QRC-HSN-12-M-08LB-B-W3         | 29,6<br>65.26                                  |
|                                                                                     | M16x1,5 | 10L                  | 86,5<br>3.41 | 81<br>3.12 | 26<br>1.02 |    | QRC-HSN-12-F-10LB-BT-W3           | 34,9<br>76.94                                  | QRC-HSN-12-M-10LB-B-W3         | 30,2<br>66.58                                  |
|                                                                                     | M18x1,5 | 12L                  | 90,5<br>3.56 | 85<br>3.34 | 30<br>1.18 |    | QRC-HSN-12-F-12LB-BT-W3           | 36<br>79.37                                    | QRC-HSN-12-M-12LB-B-W3         | 31,3<br>69                                     |
|                                                                                     | M22x1,5 | 15L                  | 87,5<br>3.44 | 82<br>3.23 | 27<br>1.06 |    | QRC-HSN-12-F-15LB-BT-W3           | 37,7<br>83.11                                  | QRC-HSN-12-M-15LB-B-W3         | 33<br>72.75                                    |
|                                                                                     | M26x1,5 | 18L                  | 87,5<br>3.44 | 82<br>3.23 | 27<br>1.06 |    | QRC-HSN-12-F-18LB-BT-W3           | 40,7<br>89.73                                  | QRC-HSN-12-M-18LB-B-W3         | 36,1<br>79.59                                  |
|                                                                                     | M18x1,5 | 10S                  | 86,5<br>3.41 | 81<br>3.12 | 26<br>1.02 |    | QRC-HSN-12-F-10SB-BT-W3           | 36,4<br>80.25                                  | QRC-HSN-12-M-10SB-B-W3         | 31,7<br>69.87                                  |
|                                                                                     | M20x1,5 | 12S                  | 87,5<br>3.44 | 82<br>3.23 | 27<br>1.06 |    | QRC-HSN-12-F-12SB-BT-W3           | 37,7<br>83.11                                  | QRC-HSN-12-M-12SB-B-W3         | 33<br>72.75                                    |
|                                                                                     | M22x1,5 | 14S                  | 89,5<br>3.52 | 84<br>3.31 | 29<br>1.14 |    | QRC-HSN-12-F-14SB-BT-W3           | 38,9<br>85.76                                  | QRC-HSN-12-M-14SB-B-W3         | 34,2<br>75.4                                   |
|                                                                                     | M24x1,5 | 16S                  | 89,5<br>3.52 | 84<br>3.31 | 29<br>1.14 |    | QRC-HSN-12-F-16SB-BT-W3           | 40,2<br>88.63                                  | QRC-HSN-12-M-16SB-B-W3         | 35,6<br>78.48                                  |

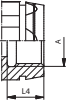
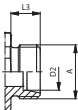
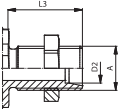
For the version with safety pin, please add '-700519' for spring clips on the rope or '-700599' for Fokker needles on the rope to the Ordering Code.

122



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

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

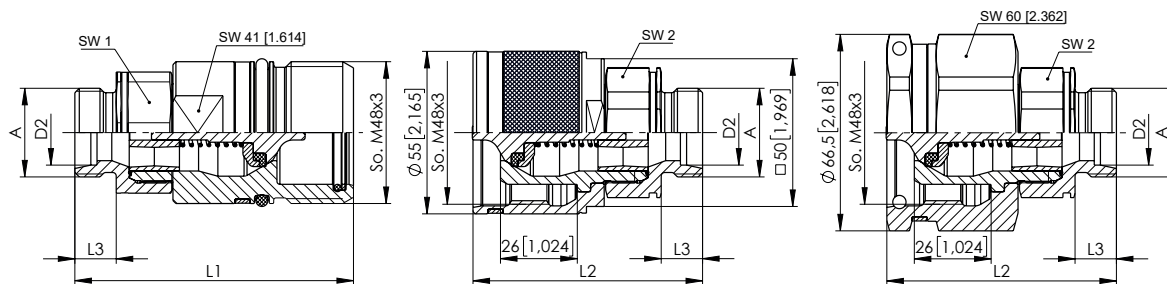
|                                                                                     | Port A        | Dimensions<br>(mm/in) |             |            |            |             | Female Body<br>Ordering Codes | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 | Male Tip<br>Ordering Codes | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 |
|-------------------------------------------------------------------------------------|---------------|-----------------------|-------------|------------|------------|-------------|-------------------------------|------------------------------------------------|----------------------------|------------------------------------------------|
|                                                                                     |               | ØD2                   | L1          | L2         | L3         | L4          |                               |                                                |                            |                                                |
| Female Thread according to DIN 3852-2-A - ISO 9974-1 - ANSI B 1.20.3                |               |                       |             |            |            |             |                               |                                                |                            |                                                |
|    | G1/2"         |                       | 86<br>3.38  | 76<br>2.99 |            | 19<br>.75   | QRC-HSN-19-F-G08-BT-W3        | 57,9<br>127.64                                 | QRC-HSN-19-M-G08-B-W3      | 49,9<br>110                                    |
|                                                                                     | G3/4"         |                       | 86<br>3.38  | 76<br>2.99 |            | 20,5<br>.80 | QRC-HSN-19-F-G12-BT-W3        | 54,3<br>119.70                                 | QRC-HSN-19-M-G12-B-W3      | 46,8<br>103.17                                 |
|                                                                                     | M22x1,5       |                       | 86<br>3.38  | 76<br>2.99 |            | 19<br>.75   | QRC-HSN-19-F-M22-BT-W3        | 56,5<br>125.55                                 | QRC-HSN-19-M-M22-B-W3      | 49<br>108                                      |
|                                                                                     | NPTF 3/4" -14 |                       | 86<br>3.38  | 76<br>2.99 |            |             | QRC-HSN-19-F-NF12-BT-W3       | 55,9<br>123.23                                 | QRC-HSN-19-M-NF12-B-W3     | 47,9<br>105.6                                  |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861                   |               |                       |             |            |            |             |                               |                                                |                            |                                                |
|   | M18x1,5       | 12L                   | 83<br>3.27  | 73<br>2.87 | 11<br>.43  |             | QRC-HSN-19-F-12L-BT-W3        | 50,5<br>111.33                                 | QRC-HSN-19-M-12L-B-W3      | 42,9<br>94.58                                  |
|                                                                                     | M22x1,5       | 15L                   | 84<br>3.31  | 74<br>2.91 | 12<br>.47  |             | QRC-HSN-19-F-15L-BT-W3        | 50,9<br>112.22                                 | QRC-HSN-19-M-15L-B-W3      | 43,5<br>95.9                                   |
|                                                                                     | M26x1,5       | 18L                   | 84<br>3.31  | 74<br>2.91 | 12<br>.47  |             | QRC-HSN-19-F-18L-BT-W3        | 51,3<br>113.1                                  | QRC-HSN-19-M-18L-B-W3      | 43,8<br>96.56                                  |
|                                                                                     | M30x2         | 22L                   | 82<br>3.23  | 72<br>2.83 | 14<br>.55  |             | QRC-HSN-19-F-22L-BT-W3        | 49<br>108                                      | QRC-HSN-19-M-22L-B-W3      | 41,5<br>91.49                                  |
|                                                                                     | M24x1,5       | 16S                   | 86<br>3.39  | 76<br>2.99 | 14<br>.55  |             | QRC-HSN-19-F-16S-BT-W3        | 51,9<br>114.42                                 | QRC-HSN-19-M-16S-B-W3      | 44,4<br>97.89                                  |
|                                                                                     | M30x2         | 20S                   | 84<br>3.31  | 74<br>2.91 | 16<br>.63  |             | QRC-HSN-19-F-20S-BT-W3        | 50,5<br>111.33                                 | QRC-HSN-19-M-20S-B-W3      | 43<br>94.8                                     |
| Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861        |               |                       |             |            |            |             |                               |                                                |                            |                                                |
|  | M18x1,5       | 12L                   | 98<br>3.86  | 88<br>3.46 | 26<br>1.02 |             | QRC-HSN-19-F-12LB-BT-W3       | 54<br>119.05                                   | QRC-HSN-19-M-12LB-B-W3     | 46,5<br>102.51                                 |
|                                                                                     | M22x1,5       | 15L                   | 99<br>3.9   | 89<br>3.5  | 27<br>1.06 |             | QRC-HSN-19-F-15LB-BT-W3       | 56<br>123.46                                   | QRC-HSN-19-M-15LB-B-W3     | 48,5<br>106.92                                 |
|                                                                                     | M26x1,5       | 18L                   | 99<br>3.9   | 89<br>3.5  | 27<br>1.06 |             | QRC-HSN-19-F-18LB-BT-W3       | 59,1<br>130.29                                 | QRC-HSN-19-M-18LB-B-W3     | 51,6<br>113.76                                 |
|                                                                                     | M30x2         | 22L                   | 104<br>4.09 | 94<br>3.7  | 36<br>1.42 |             | QRC-HSN-19-F-22LB-BT-W3       | 61<br>134.48                                   | QRC-HSN-19-M-22LB-B-W3     | 53,5<br>117.95                                 |
|                                                                                     | M24x1,5       | 16S                   | 101<br>3.98 | 91<br>3.58 | 29<br>1.14 |             | QRC-HSN-19-F-16SB-BT-W3       | 58,3<br>128.53                                 | QRC-HSN-19-M-16SB-B-W3     | 50,9<br>112.22                                 |
|                                                                                     | M30x2         | 20S                   | 104<br>4.09 | 94<br>3.7  | 36<br>1.42 |             | QRC-HSN-19-F-20SB-BT-W3       | 63<br>139.89                                   | QRC-HSN-19-M-20SB-B-W3     | 55,5<br>122.36                                 |

For the Version with Hexagonal Sleeve, please add "-HX" behind the Ordering Code.

For the version with safety pin, please add '-700519' for spring clips on the rope or '-700599' for Fokker needles on the rope to the Ordering Code.

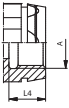
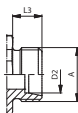
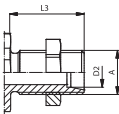
**HSN**

Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of push-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



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

## Series HSN-25 • BG 6 • Nominal Size 25

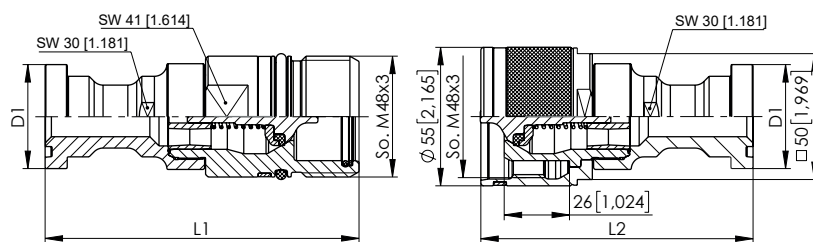
|                                                                                     | Port A                                                                       | Dimensions<br>(mm/in) |               |               |            |             |            | Female Body | Weight<br>(kg/lbs) ca.  | Male Tip        | Weight<br>(kg/lbs) ca.  |                 |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------|---------------|---------------|------------|-------------|------------|-------------|-------------------------|-----------------|-------------------------|-----------------|
|                                                                                     |                                                                              | ØD2                   | L1            | L2            | L3         | L4          | SW1        | SW2         | Ordering Codes          | per 100         | Ordering Codes          | per 100         |
| Female Thread according to DIN 3852-2-A - ANSI B 1.20.3                             |                                                                              |                       |               |               |            |             |            |             |                         |                 |                         |                 |
|    | G3/4"                                                                        |                       | 97,5<br>3.83  | 80,9<br>3.18  |            | 19<br>.75   | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-G12-S1-W3  | 77,3<br>170.41  | QRC-HSN-25-M-G12-BP-W3  | 66,1<br>145.72  |
|                                                                                     | G1"                                                                          |                       | 97,5<br>3.83  | 80,9<br>3.18  |            | 19,5<br>.77 | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-G16-S1-W3  | 73<br>163.93    | QRC-HSN-25-M-G16-BP-W3  | 61,9<br>136.46  |
|                                                                                     | NPTF 1" -11 1/2                                                              |                       | 100,5<br>3.95 | 83,9<br>3.3   |            |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-NF16-S1-W3 | 76,8<br>169.31  | QRC-HSN-25-M-NF16-BP-W3 | 65,6<br>144.62  |
|                                                                                     |                                                                              |                       |               |               |            |             |            |             |                         |                 |                         |                 |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861                   |                                                                              |                       |               |               |            |             |            |             |                         |                 |                         |                 |
|   | M26x1,5                                                                      | 18L                   | 96,4<br>3.8   | 79,8<br>3.14  | 12<br>.47  |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-18L-S1-W3  | 72,1<br>158.95  | QRC-HSN-25-M-18L-BP-W3  | 60,9<br>134.26  |
|                                                                                     | M30x2                                                                        | 22L                   | 98,4<br>3.8   | 81,8<br>3.22  | 14<br>.55  |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-22L-S1-W3  | 72,4<br>159.61  | QRC-HSN-25-M-22L-BP-W3  | 61,2<br>134.92  |
|                                                                                     | M36x2                                                                        | 28L                   | 94,3<br>3.71  | 77,7<br>3.06  | 14<br>.55  |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-28L-S1-W3  | 69,6<br>212.97  | QRC-HSN-25-M-28L-BP-W3  | 58,3<br>128.52  |
|                                                                                     | M45x2                                                                        | 35L                   | 96,3<br>3.79  | 79,7<br>3.14  | 16<br>.63  |             | 46<br>1.81 | 46<br>1.81  | QRC-HSN-25-F-35L-S1-W3  | 76,8<br>169.32  | QRC-HSN-25-M-35L-BP-W3  | 65,6<br>144.62  |
|                                                                                     | M30x2                                                                        | 20S                   | 100,4<br>3.95 | 83,8<br>3.29  | 16<br>.63  |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-20S-S1-W3  | 74<br>163.14    | QRC-HSN-25-M-20S-BP-W3  | 62,8<br>138.45  |
|                                                                                     | M36x2                                                                        | 25S                   | 98,3<br>3.87  | 81,7<br>3.22  | 18<br>.71  |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-25S-S1-W3  | 72,6<br>160.05  | QRC-HSN-25-M-25S-BP-W3  | 61,4<br>135.36  |
|                                                                                     | M42x2                                                                        | 30S                   | 100,3<br>3.95 | 83,7<br>3.3   | 20<br>.79  |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-30S-S1-W3  | 79,9<br>176.15  | QRC-HSN-25-M-30S-BP-W3  | 68,7<br>151.46  |
|                                                                                     | M52x2                                                                        | 38S                   | 102,3<br>4.03 | 85,7<br>3.37  | 22<br>.87  |             | 55<br>2.17 | 55<br>2.17  | QRC-HSN-25-F-38S-S1-W3  | 98,9<br>218.04  | QRC-HSN-25-M-38S-BP-W3  | 87,6<br>193.12  |
|                                                                                     |                                                                              |                       |               |               |            |             |            |             |                         |                 |                         |                 |
|                                                                                     | Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861 |                       |               |               |            |             |            |             |                         |                 |                         |                 |
|  | M22x1,5                                                                      | 15L                   | 111,4<br>4.39 | 94,8<br>3.73  | 27<br>1.06 |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-15LB-S1-W3 | 76,8<br>169.32  | QRC-HSN-25-M-15LB-BP-W3 | 65,5<br>144.4   |
|                                                                                     | M26x1,5                                                                      | 18L                   | 116,4<br>4.58 | 99,8<br>3.93  | 32<br>1.26 |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-18LB-S1-W3 | 81<br>178.57    | QRC-HSN-25-M-18LB-BP-W3 | 69,8<br>153.88  |
|                                                                                     | M30x2                                                                        | 22L                   | 118,4<br>4.66 | 101,8<br>4    | 34<br>1.34 |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-22LB-S1-W3 | 83,6<br>184.31  | QRC-HSN-25-M-22LB-BP-W3 | 72,4<br>159.61  |
|                                                                                     | M36x2                                                                        | 28L                   | 114,3<br>4.5  | 97,7<br>3.85  | 34<br>1.34 |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-28LB-S1-W3 | 84,2<br>185.63  | QRC-HSN-25-M-28LB-BP-W3 | 72,9<br>160.72  |
|                                                                                     | M30x2                                                                        | 20S                   | 122,4<br>4.82 | 105,8<br>4.17 | 38<br>1.50 |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-20SB-S1-W3 | 87<br>191.8     | QRC-HSN-25-M-20SB-BP-W3 | 75,8<br>167.11  |
|                                                                                     | M36x2                                                                        | 25S                   | 118,3<br>4.66 | 101,7<br>4    | 38<br>1.50 |             | 41<br>1.61 | 41<br>1.61  | QRC-HSN-25-F-25SB-S1-W3 | 89,5<br>197.31  | QRC-HSN-25-M-25SB-BP-W3 | 78,3<br>172.62  |
|                                                                                     | M42x2                                                                        | 30S                   | 120,3<br>4.73 | 103,7<br>4.08 | 40<br>1.57 |             | 46<br>1.81 | 46<br>1.81  | QRC-HSN-25-F-30SB-S1-W3 | 100,6<br>221.79 | QRC-HSN-25-M-30SB-BP-W3 | 89,4<br>197.09  |
|                                                                                     | M52x2                                                                        | 38S                   | 120,3<br>4.73 | 103,7<br>4.08 | 40<br>1.57 |             | 55<br>2.17 | 55<br>2.17  | QRC-HSN-25-F-38SB-S1-W3 | 122,4<br>269.85 | QRC-HSN-25-M-38SB-BP-W3 | 111,1<br>244.93 |
|                                                                                     |                                                                              |                       |               |               |            |             |            |             |                         |                 |                         |                 |

For the Version with Hexagonal Sleeve, please add "-HX" behind the Ordering Code.

For the version with safety pin, please add '-700519' for spring clips on the rope

or '-700599' for Fokker needles on the rope to the Ordering Code.

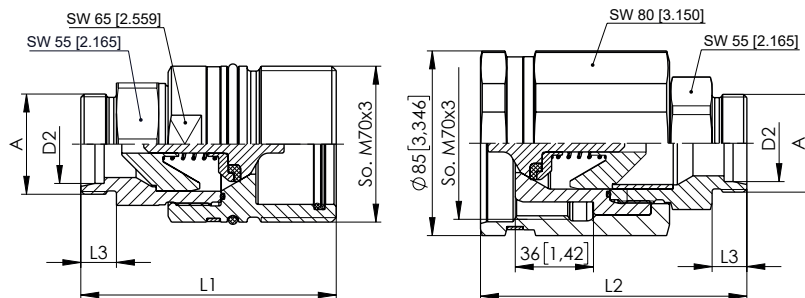
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of push-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.



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

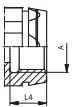
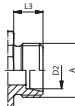
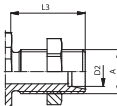
### Series HSN-25 ▪ BG 6 ▪ Nominal Size 25

| Flange | Dimensions<br>(mm/in) |             |               |    |    |    | Female Body             | Weight                  | Male Tip                | Weight                  |
|--------|-----------------------|-------------|---------------|----|----|----|-------------------------|-------------------------|-------------------------|-------------------------|
|        | ØD1                   | L1          | L2            | L3 | L4 | L5 | Ordering Codes          | (kg/lbs) ca.<br>per 100 | Ordering Codes          | (kg/lbs) ca.<br>per 100 |
| 3/4"   | 41,3                  | 125<br>4.92 | 108,4<br>4.27 |    |    |    | QRC-HSN-25-F-F612-S1-W3 | 82,7<br>182.32          | QRC-HSN-25-M-F612-BP-W3 | 71,5<br>157.6           |
| 1"     | 47,6                  | 127<br>5.00 | 110,4<br>4.35 |    |    |    | QRC-HSN-25-F-F616-S1-W3 | 90,5<br>199.5           | QRC-HSN-25-M-F616-BP-W3 | 79,4<br>175.04          |



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

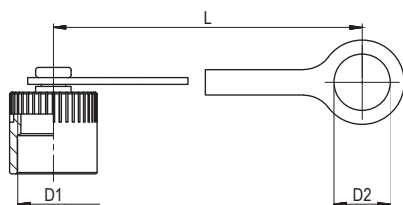
## Series HSN-38 • BG 8 • Nominal Size 38

|                                                                                     | Port A   | Dimensions<br>(mm/in) |               |               |            |              | Female Body             | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 | Male Tip                | Weight<br>( <sup>kg</sup> /lbs) ca.<br>per 100 |
|-------------------------------------------------------------------------------------|----------|-----------------------|---------------|---------------|------------|--------------|-------------------------|------------------------------------------------|-------------------------|------------------------------------------------|
|                                                                                     |          | ØD2                   | L1            | L2            | L3         | L4           |                         |                                                |                         |                                                |
|                                                                                     |          | Ordering Codes        |               |               |            |              |                         |                                                |                         |                                                |
| Female Thread according to DIN 3852-2-A / Innengewinde DIN 3852-2-A                 |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|    | G 1" 1/4 |                       | 114,7<br>4.51 | 122,6<br>4.82 |            | 26,5<br>1.04 | QRC-HSN-38-F-G20-S1-W3  | 173,1<br>381.61                                | QRC-HSN-38-M-G20-BP-W3  | 255,3<br>562.83                                |
|                                                                                     | G 1" 1/2 |                       | 114,7<br>4.51 | 122,6<br>4.82 |            | 27,5<br>1.08 | QRC-HSN-38-F-G24-S1-W3  | 163,7<br>360.89                                | QRC-HSN-38-M-G24-BP-W3  | 244,9<br>539.9                                 |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
| Male Thread with 24° Conical Bore - Shape W according to DIN 3861                   |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|    | M45x2    | 35L                   | 114,7<br>4.51 | 122,6<br>4.82 | 16<br>.63  |              | QRC-HSN-38-F-35L-S1-W3  | 167,5<br>369.27                                | QRC-HSN-38-M-35L-BP-W3  | 249,6<br>550.26                                |
|                                                                                     | M52x2    | 42L                   | 114,7<br>4.51 | 122,6<br>4.82 | 16<br>.63  |              | QRC-HSN-38-F-42L-S1-W3  | 166,2<br>366.40                                | QRC-HSN-38-M-42L-BP-W3  | 248,3<br>547.4                                 |
|                                                                                     | M42x2    | 30S                   | 114,7<br>4.51 | 122,6<br>4.82 | 20<br>.79  |              | QRC-HSN-38-F-30S-S1-W3  | 164,9<br>363.53                                | QRC-HSN-38-M-30S-BP-W3  | 247<br>544.53                                  |
|                                                                                     | M52x2    | 38S                   | 114,7<br>4.51 | 122,6<br>4.82 | 22<br>.87  |              | QRC-HSN-38-F-38S-S1-W3  | 167,7<br>369.71                                | QRC-HSN-38-M-38S-BP-W3  | 249,8<br>550.7                                 |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
| Male Thread with 24° Conical Bore - Bulkhead - Shape W according to DIN 3861        |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|  | M45x2    | 35L                   | 130,7<br>5.15 | 138,6<br>5.46 | 36<br>1.42 |              | QRC-HSN-38-F-35LB-S1-W3 | 183,5<br>404.55                                | QRC-HSN-38-M-35LB-BP-W3 | 285<br>628.32                                  |
|                                                                                     | M52x2    | 42L                   | 130,7<br>5.15 | 138,6<br>5.46 | 36<br>1.42 |              | QRC-HSN-38-F-42LB-S1-W3 | 187,4<br>413.15                                | QRC-HSN-38-M-42LB-BP-W3 | 269,6<br>594.37                                |
|                                                                                     | M42x2    | 30S                   | 134,7<br>5.3  | 142,6<br>5.61 | 40<br>1.57 |              | QRC-HSN-38-F-30SB-S1-W3 | 185,2<br>408.3                                 | QRC-HSN-38-M-30SB-BP-W3 | 267,4<br>589.52                                |
|                                                                                     | M52x2    | 38S                   | 134,7<br>5.3  | 142,6<br>5.61 | 40<br>1.57 |              | QRC-HSN-38-F-38SB-S1-W3 | 198<br>436.52                                  | QRC-HSN-38-M-38SB-BP-W3 | 280,1<br>617.51                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |
|                                                                                     |          |                       |               |               |            |              |                         |                                                |                         |                                                |

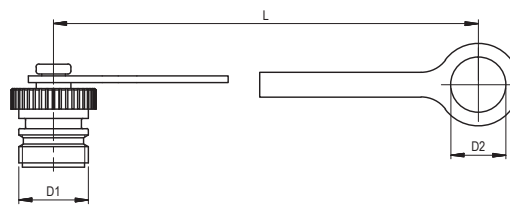
DN38 always with Hexagonal Sleeve.

For the version with safety pin, please add '-700519' for spring clips on the rope or '-700599' for Fokker needles on the rope to the Ordering Code.

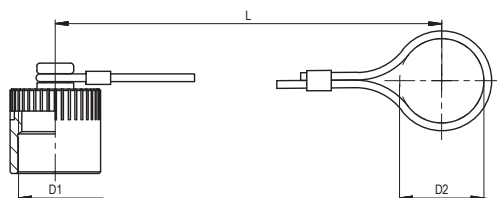
Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of push-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

**Series HS/HSN • Dust Protection**


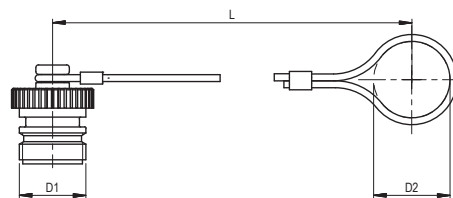
| Dimensions<br>(mm/in) |              |             | Material              | Dust Cap for Female Body |
|-----------------------|--------------|-------------|-----------------------|--------------------------|
| D1                    | D2           | L           |                       | Ordering Codes           |
| M24x2                 | 19<br>.75    | 180<br>7.09 | Plastic (Colour: Red) | QRC-HS-06-DF-19-K-RD     |
| M28x2                 | 23<br>.91    | 180<br>7.09 | Plastic (Colour: Red) | QRC-HS-10-DF-23-K-RD     |
| M36x2                 | 29,5<br>1.16 | 185<br>7.28 | Plastic (Colour: Red) | QRC-HS-12-DF-30-K-RD     |
| M42x2                 | 36,5<br>1.44 | 190<br>7.48 | Plastic (Colour: Red) | QRC-HS-19-DF-37-K-RD     |
| M48x3                 | 41<br>1.61   | 190<br>7.48 | Plastic (Colour: Red) | QRC-HS-25-DF-41-K-RD     |
| M70x3                 | 55<br>2.17   | 201<br>7.91 | Plastic (Colour: Red) | QRC-HS-38-DF-55-K-RD     |



| Dimensions<br>(mm/in) |              |             | Material              | Dust Plug for Male Tip |
|-----------------------|--------------|-------------|-----------------------|------------------------|
| D1                    | D2           | L           |                       | Ordering Codes         |
| M24x2                 | 19<br>.75    | 180<br>7.09 | Plastic (Colour: Red) | QRC-HS-06-DM-19-K-RD   |
| M28x2                 | 23<br>.91    | 180<br>7.09 | Plastic (Colour: Red) | QRC-HS-10-DM-23-K-RD   |
| M36x2                 | 29,5<br>1.16 | 185<br>7.28 | Plastic (Colour: Red) | QRC-HS-12-DM-30-K-RD   |
| M42x2                 | 36,5<br>1.44 | 190<br>7.48 | Plastic (Colour: Red) | QRC-HS-19-DM-37-K-RD   |
| M48x3                 | 41<br>1.61   | 190<br>7.48 | Plastic (Colour: Red) | QRC-HS-25-DM-41-K-RD   |
| M70x3                 | 55<br>2.17   | 201<br>7.91 | Plastic (Colour: Red) | QRC-HS-38-DM-55-K-RD   |



| Dimensions<br>(mm/in) |    |   | Material                   | Dust Cap for Female Body |
|-----------------------|----|---|----------------------------|--------------------------|
| D1                    | D2 | L |                            | Ordering Codes           |
| M24x2                 |    |   | Aluminium with steel cable | QRC-HS-06-DF-19-W89-SI   |
| M28x2                 |    |   | Aluminium with steel cable | QRC-HS-10-DF-23-W89-SI   |
| M36x2                 |    |   | Aluminium with steel cable | QRC-HS-12-DF-30-W89-SI   |
| M42x2                 |    |   | Aluminium with steel cable | QRC-HS-19-DF-37-W89-SI   |
| M48x3                 |    |   | Aluminium with steel cable | QRC-HS-25-DF-41-W89-SI   |
| M70x3                 |    |   | Aluminium with steel cable | QRC-HS-38-DF-55-W89-SI   |



| Dimensions<br>(mm/in) |    |   | Material                   | Dust Plug for Male Tip |
|-----------------------|----|---|----------------------------|------------------------|
| D1                    | D2 | L |                            | Ordering Codes         |
| M24x2                 |    |   | Aluminium with steel cable | QRC-HS-06-DM-19-W89-SI |
| M28x2                 |    |   | Aluminium with steel cable | QRC-HS-10-DM-23-W89-SI |
| M36x2                 |    |   | Aluminium with steel cable | QRC-HS-12-DM-30-W89-SI |
| M42x2                 |    |   | Aluminium with steel cable | QRC-HS-19-DM-37-W89-SI |
| M48x3                 |    |   | Aluminium with steel cable | QRC-HS-25-DM-41-W89-SI |
| 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 color codes BU, GN, YE and BK respectively instead of RD.

**HSN**

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