

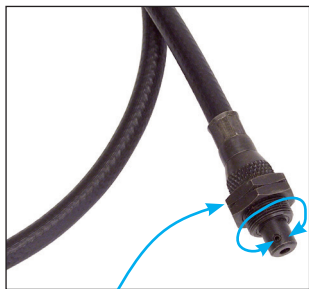
Masterflex® flexible shaft



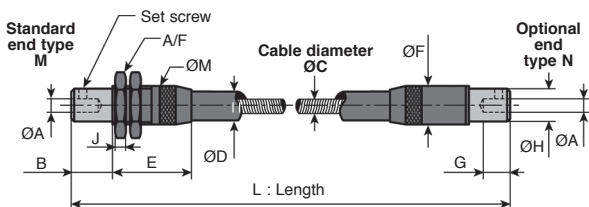
FDSQ

Normal use

- Suitable for most applications due to the use of self lubricating bronze bearings in the end connectors
- Allows the driving and driven elements to be mounted apart
- Obstacles can be avoided, multiple bends possible
- Position of the driven element is no longer determined by the position of the driving equipment
- Output efficiency >95%
- Dampens vibration
- Woven wire flexible shaft
- Materials:
 - Wires: blackened XC25 steel
 - Sheath: PVC



standard end
(with 2 locknuts)



Dark grey areas are fixed parts.
Light grey areas are revolving parts.

| Part number | ØC core | ØM | ØA | B | ØD | E | A/F | ØF | G | ØH | J | Screw |
|-------------|------------|-----------|----|----|------|----|-----|------|----|------|---|-------|
| FDSQ4-L | 3,80 | M15x1,0 | 4 | 10 | 10,5 | 43 | 22 | 15,0 | 8 | 12,5 | 4 | M3 |
| FDSQ5-L | 4,75 | M18x1,0 | 5 | 16 | 14,0 | 50 | 24 | 18,0 | 12 | 15,5 | 4 | M3 |
| FDSQ6-L | 6,35 | M21x1,0 | 6 | 17 | 17,0 | 59 | 27 | 21,0 | 14 | 18,5 | 4 | M4 |
| FDSQ8-L | 8,00 | M22x1,5 | 8 | 23 | 17,5 | 63 | 30 | 22,0 | 17 | 18,5 | 4 | M4 |
| FDSQ9-L | 9,52 | M26,5x1,5 | 10 | 25 | 22,5 | 69 | 35 | 26,5 | 20 | 23,0 | 4 | M5 |
| FDSQ13-L | 12,70 | M29,5x1,5 | 15 | 31 | 25,0 | 84 | 36 | 29,5 | 24 | 26,0 | 4 | M6 |

Dimensions in mm

HPC

WEB
04/2020

www.hpceurope.com

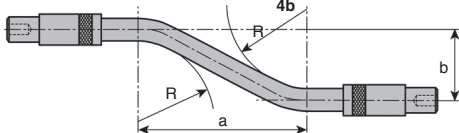
Tél: 0 825 88 5000 Service 0,15 €/min + prix appel

Info.

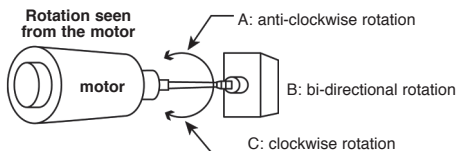
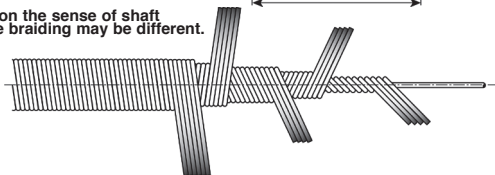
- Replace the "L" in the part number by the length required and add the desired end (R: standard; S: optional)
E.g. **FDSQ4A-500RR**
- Steel core lubricated with oil
- For continuous use, the shaft should be lubricated every 3 months
- Flexible shaft can be removed by unscrewing the knurled part. Check the sealing before re-use
- Delivered pre-bored

NOTE: For assembly, the end must be drilled and pinned to the connected shaft. The set screw is only there for positioning. It does not allow torque to be transmitted.

BEND RADIUS
Radius = $\frac{a^2 + b^2}{4b}$ (mm)



Depending on the sense of shaft rotation, the braiding may be different.



"L" in part number refers to length, see info.

| Part number | | | Price for | Price for | Price for | Price for | Price for | Price for |
|----------------|---------------|-----------|------------|------------|------------|------------|------------|------------|
| anti-clockwise | bidirectional | clockwise | 500 mm | 1000 mm | 1500 mm | 2000 mm | 2500 mm | 3000 mm |
| FDSQ4A-L | FDSQ4B-L | FDSQ4C-L | On request | On request | On request | On request | On request | On request |
| FDSQ5A-L | FDSQ5B-L | FDSQ5C-L | | | | | | |
| FDSQ6A-L | FDSQ6B-L | FDSQ6C-L | | | | | | |
| FDSQ8A-L | FDSQ8B-L | FDSQ8C-L | | | | | | |
| FDSQ9A-L | FDSQ9B-L | FDSQ9C-L | | | | | | |
| FDSQ13A-L | FDSQ13B-L | FDSQ13C-L | | | | | | |

Dimensions in mm

Our other products



D-PAR_SS
Stainless steel
progressive stop,
stainless steel



DOMI120
Accessories, Plate



MEP
Revolving handle for
handwheel, Fixed



PW_PWG2
Worm - precision
range, Steel



BLH50
Right angled gearbox,
from 7.70 to 20 Nm



BCM_T
Driving collar, Driving
collar



DOMI50
Connecting kits, XZ
linking kit



HW_HT
Half-rail guide, Wheel



RHTtcss
High Temperature
Castor, up to 200kg



DOMI80
Domino 80 adjustable
slide, Slide DOMILINE
80



GGP
Male wing knob,
Technopolymer with
brass spindle



DEP
Tools Hygienic Usit®
and Hygienic
Design®, Protective
insert for s...

Complementary products



FDS
Flexible drive shaft,
Masterflex® Steel,
with PVC casing