

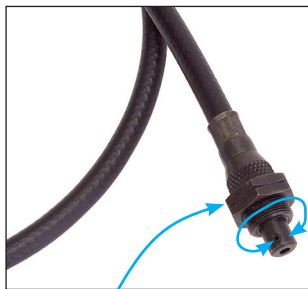
# Masterflex® flexible shaft



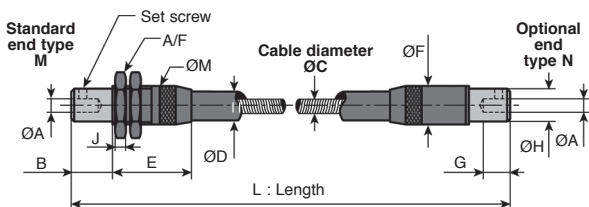
## FDSQ

## 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

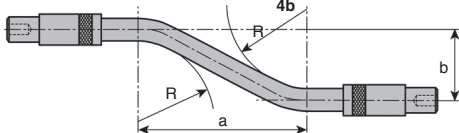
Tél: 0 825 88 5000 Service 0,15 €/min + prix appel

## Info.

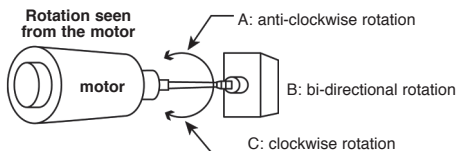
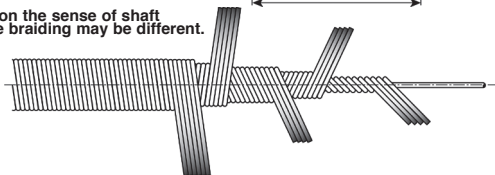
- Replace the "L" in the part number by the length required and add the desired end (R: standard; S: optional)  
E.g. **FDSQ4A-500RR**
- Steel core lubricated with oil
- For continuous use, the shaft should be lubricated every 3 months
- Flexible shaft can be removed by unscrewing the knurled part. Check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



RMSA

Adjustable shock-absorber, Adjustable



RBNpl

Swivel castor with double brake, Steel - rubber



PW\_PWG15

Worm - precision range, Steel



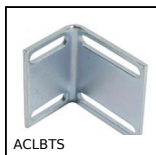
SHN

Hexagonal nut DIN934, A2 Stainless steel



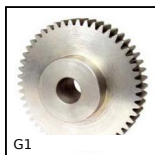
GPBSS

Threaded spherical knob, Aluminium



ACLBT5

Closing system for aluminium profile, 90° bracket for spherical end...



G1

Steel spur gear, Steel 20NCD2



PPJ

Indexing plunger with flange, With horizontal mounting flange and pu...



HRV

V-rail guidance Simple Select®



PTCR

Adjustable furniture foot, square tube



RCX-6

Spherical tilt washer - DIN6319, convex



GE1006

Elastic ringed latch, Hooks into a slot

## Complementary products



FDS

Flexible drive shaft, Masterflex® Steel, with PVC casing