

Stainless steel core



Construction

4 to 12 high tensile strength stainless steel wires per layer.

Applications

Chemical, food, nuclear, and medical industries.

Features

Very flexible, high rpm, shock absorption, smooth running and low in vibration, antimagnetic.



Material	Diameter		Layers	Min. radius		rpm	Max. torsional deflection		Max. breaking torque	Max. torque load	Weight /100 ft.
	inch	(mm)		inch	(mm)		CW degrees	CCW degrees			
300-Series	0.187	(4.75)	6	5.125	(130)	15 000	30	35	66 (740)	11 (120)	3.15
17-7PH	0.250	(6.40)	7	5.500	(140)	10 000	12	18	110 (1250)	22 (250)	5.42
			7	8.000	(205)	7 500	21	21	400 (4490)	56 (630)	8.75
300-Series	0.312	(8.00)	7	8.000	(205)	7 500	21	21	400 (4490)	56 (630)	8.75

Type shaft	Core diameter normal	Min. operating radius	Maximum dynamic torque capacity in winding direction								Approx. weight
			Radius of curvature								
			25"	20"	15"	12"	10"	8"	6"	4"	
inch	inch	inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound 100 ft.
.040	$\frac{3}{64}$	2	-	-	-	-	.20	.16	.13	.10	.35
.068	$\frac{1}{16}$	2.5	-	-	-	-	.62	.56	.48	.30	.9
.095	$\frac{3}{32}$	2.5	-	-	-	1.8	1.7	1.7	1.5	1.2	2.0
.130	$\frac{1}{8}$	3	-	-	5.0	4.7	4.2	3.8	3.2	2.0	3.4
.150	$\frac{3}{32}$	4	-	-	-	-	-	-	-	-	-
.187	$\frac{3}{16}$	5	-	-	-	-	-	-	-	-	-

Footnotes (1-4) see page 19