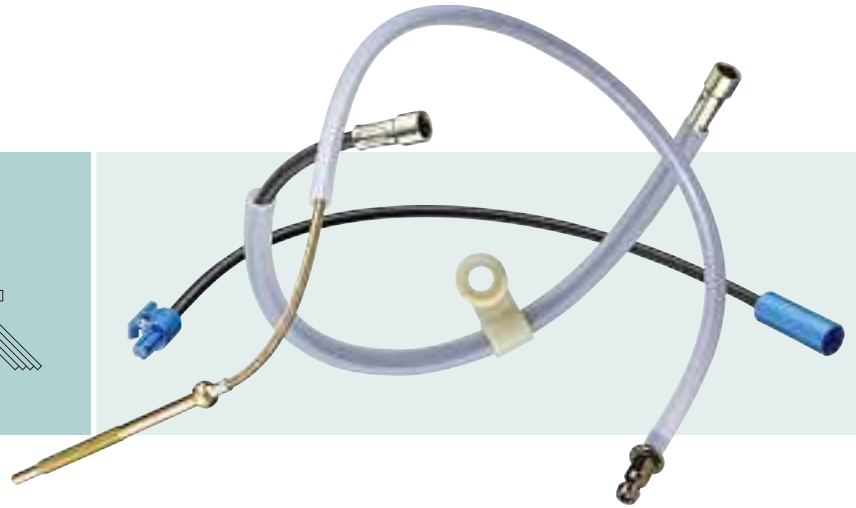
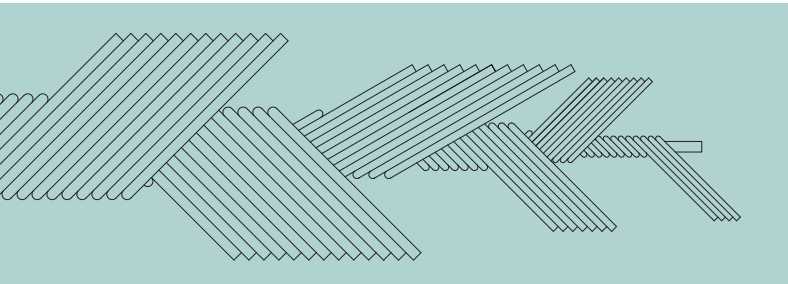


Remote control core



Construction

4 to 12 high tensile strength wires per layer.

Applications

Power seats, remote control of valves, machinery, gauges, etc. in adverse environment.

Features

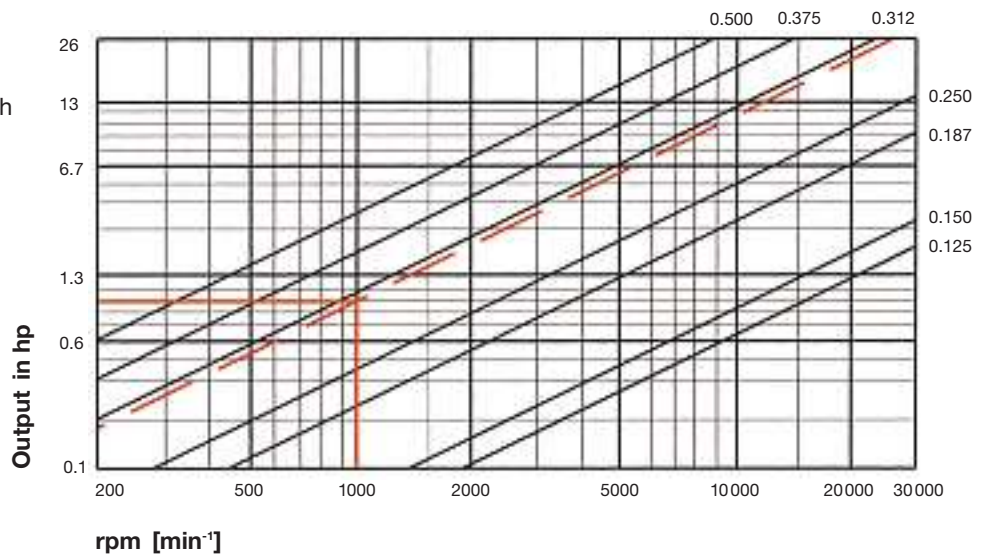
Low torsional deflection, bi-directional operation, high breakage load.



Example:

1000 rpm at 1 hp

Shaft requirement: dia. 0.312 inch





Type shaft	Core diameter	Number of layers	Min. operating radius	Max. RPM	Degrees torsional deflection			Torsional breaking point in winding direction straight shaft	Maximum dynamic torque capacity in winding and unwinding directions									Approx. weight
					Torque	Wind- ing	Unwind- ing		radius of curvature									
									25"	20"	15"	12"	10"	8"	6"	4"		
Inch	inch		inch		lb. in.	per foot of shaft		Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound per 100 ft.
130-37	1/8	4	3	20000	1	13°	17°	20	4.0	3.8	3.4	3.1	2.7	2.4	2.1	1.7	3.2	
150-37	5/32	4	4	20000	1	7°	9°	30	5.4	4.8	4.3	3.8	3.4	3.1	2.7	2.2	4.8	
187-49	3/16	5	5	15000	1	5°	6.5°	65	12.0	11.5	10.0	9.5	8.5	7.5	6.5	-	7.0	
250-49	1/4	5	5	10000	1	4°	4.5°	110	22.0	20.0	18.0	16.2	14.5	13.0	11.5	-	12.0	
310-45	5/16	6	6	7500	10	3°	4°	390	55.0	45.0	35.0	25.0	20.0	16.0	13.5	-	19.4	
375-53	3/8	6	10	5000	10	2.5°	3°	550	82.0	65.0	52.0	42.0	38.0	34.0	-	-	28.2	
437-53	7/16	6	11	4500	10	1.5°	1.7°	680	95.0	80.0	72.0	55.0	40.0	-	-	-	37.0	
500-53	1/2	7	12	4000	10	0.7°	0.9°	950	140.0	110.0	90.0	65.0	-	-	-	-	52.2	
625-63	5/8	7	14	3500	100	3.0°	4.0°	1050	180.0	155.0	125.0	-	-	-	-	-	80.0	
750-73	3/4	8	15	3000	100	1.5°	1.7°	1500	260	220	200	-	-	-	-	-	116.0	
Metric	mm		mm		cm kg	per 1 m of shaft		cm kg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	kg
3-37	3	4	80	20000	1	60°	100°	20	4.0	3.7	3.4	3.0	2.5	2.0	2.1	1.5	0.045	
4-37	4	4	100	20000	1	26°	33°	35	5.5	4.5	4.2	3.7	3.3	2.9	2.7	2.0	0.080	
5-49	5	5	120	15000	1	20°	25°	85	12.0	11.5	10.5	9.0	8.2	7.0	6.2	-	0.125	
6-49	6	5	140	10000	1	15°	19°	100	20.0	18.0	16.0	15.0	13.5	12.0	10.0	-	0.170	
7-49	7	5	200	10000	10	13°	17°	280	54.0	44.0	32.0	23.0	18.0	14.0	-	-	0.250	
10-53	10	6	260	5000	10	7°	9°	650	75.0	62.0	50.0	36.0	30.0	-	-	-	0.460	
12-53	12	6	300	4000	10	3.5°	4.5°	950	135	110	80	60	-	-	-	-	0.660	
15-63	15	7	360	3500	100	10°	12°	1100	180	155	120	92	-	-	-	-	1.050	
20-73	20	8	400	2500	100	3.5°	4°	1900	260	210	195	-	-	-	-	-	1.850	

Footnotes (1-4) see page 19