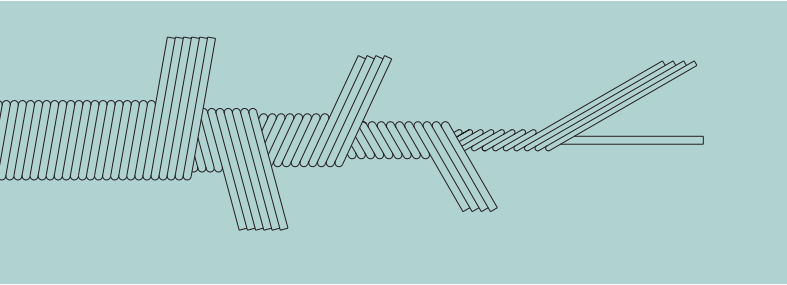


## Power drive core



### Construction

4 to 8 high tensile wires per layer.

### Applications

Power transmission in machinery, power seat movement, power tools, concrete vibrators, etc.

### Features

Very flexible, high rpm operation, shock absorption, quiet and vibration-free operation.

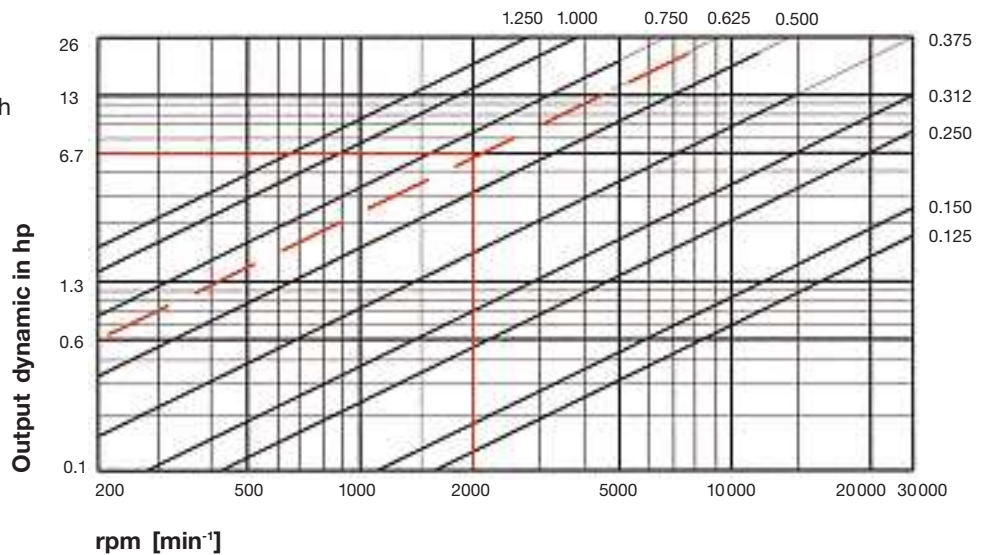


### Example:

2000 rpm at 6.7 hp

Shaft requirement: dia. 0.625 inch

### Core diameter [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 direction								Approx. weight
					Winding	Unwinding		radius of curvature								
								25"	20"	15"	12"	10"	8"	6"	4"	
<b>Inch</b>	inch		inch		per foot per pound inch		Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound inch	Pound per 100 ft.
130-21	1/8	4	3	30000	65°	85°	12	4.1	3.7	3.4	3.15	3.0	2.85	2.10	1.55	3.0
150-21	1/4	4	4	30000	38°	50°	22	5.8	5.1	4.6	4.30	4.15	3.60	2.80	1.25	4.3
187-21	3/8	5	4	25000	23°	30°	50	8.2	7.5	7.5	6.4	6.10	5.8	4.4	1.8	7.0
250-25	1/2	5	5	25000	10°	13°	80	16.5	14.0	13.0	12.5	11.5	10.5	9.5	-	12.3
310-31	5/8	6	5	18000	7°	9°	170	30	28	26.5	23	21.5	18.5	15.0	-	22
375-37	3/4	7	7	15000	1°	1.3°	390	45	41	36	33.5	28	22	-	-	28.4
437-37	7/8	7	9	12000	0.8°	1.0°	480	75	67	55	50	40	34.5	-	-	38
500-43	1	8	10	12000	0.5°	0.7°	620	105	95	84	74.5	65	-	-	-	50
625-48	1 1/4	9	12	7500	0.2°	0.3°	950	165	136	100	65	-	-	-	-	78
750-53	1 1/2	10	15	5000	0.14°	0.18°	1350	217	150	105	-	-	-	-	-	115
<b>Metric</b>	mm		mm		per 1 m at 1 cm kg		cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	cmkg	kg per m
3-21	3	4	80	30000	210°	285°	10	3.9	3.7	3.2	3.0	2.8	2.7	2.1	1.4	0.045
4-21	4	4	100	30000	130°	180°	25	5.8	5.1	4.6	4.3	4.1	3.6	2.8	1.2	0.080
6-25	6	5	120	25000	40°	55°	90	15.5	14.0	13.0	12.0	11.2	10.1	9.5	4.2	0.230
7-31	7	6	140	20000	25°	40°	180	24.0	21.0	20.0	15.5	14.5	13	11.5	-	0.350
10-37	10	7	170	15000	4°	6°	440	47.0	40	36	33	27	23	-	-	0.460
12-43	12	8	240	12000	2°	3°	680	100	86	77	70	54	-	-	-	0.660
15-48	15	9	300	8000	1.5°	2°	950	160	133	100	64	-	-	-	-	1.050
20-53	20	10	380	5000	0.7°	1°	1700	215	150	104	-	-	-	-	-	1.850

Footnotes (1-4) see page 19