

Power transmission shafts



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► **Diagram to select diameter**

Construction:

4 to 8 high tensile wires per layer

Applications:

i.e., power transmission on machinery, power seat movement, power tools, concrete vibrators, etc.

Features:

Very flexible, high RPM operation, shock absorption, quiet and vibration free operation

Order-No	Type	Ø	Min. radius	Max. RPM	Torsional deflection angle 2)	Max. break torque	Max. torque load
		[mm]	[mm] 1)	[min-1]	Direction of rotation [Ncm]	Direction of rotation [Ncm] 3)	Direction of rotation [Ncm] 4)
573300 X	N	1,8	35	50'000	550	65	15
573310 X	N	2	40	50'000	750	60	13
573320 X	N	2,2	45	50'000	560	80	16
573330 X	N	2,5	50	50'000	220	95	20
497310 X	N	3	60	45'000	150	100	22
497300 X	N	3,3	65	45'000	90	130	30
573340 X	N	3,8	75	40'000	50	200	45
480710 X	N	4	80	40'000	57	230	50
496990 X	N	4,75	95	30'000	30	300	65
493220 X	N	5	100	30'000	24	355	75
493230 X	N	6	120	25'000	14	530	110
496980 X	NF	6,4	200	25'000	5	2200	500
480720 X	N	7	140	20'000	8	730	150
496970 X	N	8	160	18'000	3,5	1300	300
480730 X	N	10	200	15'000	1,4	1600	350
480740 X	N	12	240	12'000	0,8	2800	600
480750 X	N	15	300	9'000	0,5	3500	700
480760 X	N	20	400	7'000	0,2	7000	1600
480770 X	N	25	500	5'000	0,12	10'200	2'200
480780 X	N	30	600	4'000	0,1	14'000	3200
496900 X	N	32	650	4'000	0,07	20'000	4500

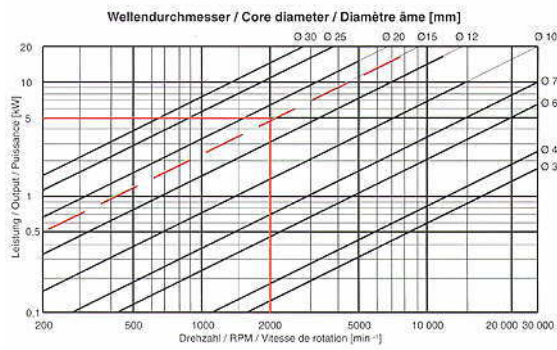
Notes:

X Last digit:

1 for clockwise operation

2 for counterclockwise operation

- 1) **Min. bend radius:** The bend radius may not be smaller than this value.
- 2) **Torsional deflection angle:** Torsional deflection angle over 1 m shaft with torque of 10 Ncm.
- 3) At this load the shaft will break.
- 4) **Max. torque load:** Values applicable for straight shaft at speeds of 20 % of maximum rated speed.



Suhner Transmission - order catalog!