



Flexible couplings

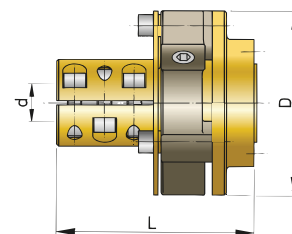
Type Bullflex

Example

An engine has an output of 84 kW at maximum 3.600 r.p.m. and a gearbox ratio of 2.1:1.

The maximum speed of the propeller shaft is $\frac{3.600}{2,1} = 1.714$ r.p.m.

Therefore, the power to be transmitted per 100 r.p.m. is $\frac{84}{17,14} = 4.9$ kW/100 r.p.m.



From the table, column 10 for instance in case of a shaft 40 mm (size d), the correct model is a Bullflex 8 for a pleasure craft or a Bullflex 12 for a commercial craft (column 2 and 3).

This formula can also be used with the relevant tables for Combiflex, Uniflex, and KO5 flexible couplings.

Type Bullflex	DIN 6270 B = pleasure craft kW (HP)/ 100 shaft RPM	DIN 6270 A = commercial craft kW (HP)/ 100 shaft RPM	maximum torque Nm		max. r.p.m. at zero misalignment	max. r.p.m. at 2° misalignment	D (mm)	L (mm)	d (mm)
			DIN	DIN					
			6270B	6270A					
1	0.8 (1.1)	0.5 (0.7)	75	45	7000	3500	100	85	20, 25
2	1.6 (2.1)	0.9 (1.3)	150	90	6500	3250	120	120	20, 25
4	3.1 (4.3)	2.1 (2.8)	300	200	6000	3000	150	152	25, 30
8	6.3 (8.5)	4.3 (5.8)	600	410	5000	2500	170	166	30, 35, 40
12	9.8 (12.8)	7.1 (9.6)	900	540	4000	2000	200	177	35, 40, 45
16	12.6 (17.1)	9.8 (13.3)	1200	935	4000	2000	205	197	40, 45, 50
32	23.0 (31.3)	18.6 (25.3)	2200	1780	3600	1800	260	263	40, 50, 60, 70

Specifications

Type	DIN 6270 B = pleasure craft kW (HP)/ 100 shaft RPM	DIN 6270 A = commercial craft kW (HP)/ 100 shaft RPM	maximum torque Nm		max. r.p.m. at zero misalignment	max. r.p.m. at 2° misalignment	D (mm)	L (mm)	d (mm)
			DIN	DIN					
			6270B	6270A					
BULFL0120	0.8 (1.1)	0.5 (0.7)	75	45	7000	3500	100	85	20
BULFL0125	0.8 (1.1)	0.5 (0.7)	75	45	7000	3500	100	85	25
BULFL0220	1.6 (2.1)	0.9 (1.3)	150	90	6500	3250	120	120	20
BULFL0225	1.6 (2.1)	0.9 (1.3)	150	90	6500	3250	120	120	25
BULFL0425	3.1 (4.3)	2.1 (2.8)	300	200	6000	3000	150	152	25
BULFL0430	3.1 (4.3)	2.1 (2.8)	300	200	6000	3000	150	152	30
BULFL0830	6.3 (8.5)	4.3 (5.8)	600	410	5000	2500	170	166	30
BULFL0835	6.3 (8.5)	4.3 (5.8)	600	410	5000	2500	170	166	35
BULFL0840	6.3 (8.5)	4.3 (5.8)	600	410	5000	2500	170	166	40
BULFL1235	9.8 (12.8)	7.1 (9.6)	900	540	4000	2000	200	177	35
BULFL1240	9.8 (12.8)	7.1 (9.6)	900	540	4000	2000	200	177	40
BULFL1245	9.8 (12.8)	7.1 (9.6)	900	540	4000	2000	200	177	45
BULFL1640	12.6 (17.1)	9.8 (13.3)	1200	935	4000	2000	205	197	40
BULFL1645	12.6 (17.1)	9.8 (13.3)	1200	935	4000	2000	205	197	45
BULFL1650	12.6 (17.1)	9.8 (13.3)	1200	935	4000	2000	205	197	50
BULFL3245	23.0 (31.3)	18.6 (25.3)	2200	1780	3600	1800	260	263	45
BULFL3250	23.0 (31.3)	18.6 (25.3)	2200	1780	3600	1800	260	263	50
BULFL3260	23.0 (31.3)	18.6 (25.3)	2200	1780	3600	1800	260	263	60
BULFL3270	23.0 (31.3)	18.6 (25.3)	2200	1780	3600	1800	260	263	70

Type	Description
BUL16SET	Set stud & bolts 7/16" UNF for couplings type Bullflex 12 and 16
BUL32SET	Set stud & bolts For couplings type Bullflex 32
TMCSET	Set stud & bolts For couplings type Bullflex with Technodrive Gearbox
UNISSET4/5	Set stud & bolts For couplings type 1-8, and for flange 4"/5"