



For Output Drive Shafts of Gear Series HT, HP, E, B, BG and Gearwheels with Ground Teeth

Supplied as Complete Set

$$J_{red} = \frac{J}{i^2}$$

Order Code	$T_{2,max}$ (Nm)	d_2	d_1	d_3	D	L_1	L_2	L_3	l	G	J 10 ⁻⁴ kg m ²	kg
80 81 024	270	20	24	36	50.2	23.0	19.5	7.60	14.0	5 x M5	0.780	0.2
80 83 030	400	25	30	44	60.2	25.0	21.5	9.00	18.0	7 x M5	1.756	0.3
	200	19										
	130	16										
80 84 036	540	28	36	52	72.2	27.5	23.5	10.00	22.0	5 x M6	4.029	0.4
	270	22										
80 80 044	870	33	44	61	80.2	29.5	25.5	11.00	22.0	7 x M6	6.524	0.6
	810	32										
	490	25										
80 85 050	1350	38	50	72	90.2	31.5	27.5	12.00	22.0	9 x M6	11.322	0.8
	1180	36										
	870	32										
	730	30										
80 80 055	1480	44	55	75	100.2	34.5	30.5	13.00	23.0	8 x M6	18.729	1.1
	810	35										
	630	32										
80 86 062	2300	48	62	89	110.2	34.5	30.5	13.00	22.0	12 x M6	27.137	1.3
	1420	40										
80 80 068	1940	50	68	86	115.2	34.5	30.5	13.00	22.0	10 x M6	31.648	1.4
	1490	45										
80 87 080	3240	60	80	100	145.3	38.0	32.5	14.00	22.0	7 x M8	88.870	1.9
	2580	55										
80 80 110	7710	75	110	145	185.2	57.0	50.0	22.00	39.0	10 x M10	351.503	5.9
80 80 125	11080	85	125	160	215.3	61.0	54.6	23.00	42.0	12 x M10	664.000	8.3



Description

The series 24 cylindrical gears (pages ZA-24 to ZA-27 and ZB-21 to ZB-27) can be fitted on shafts (tolerance h7) either with key or with shrink plate fitting proceed as follows:

Mounting

Slide shrink plate onto cylindrical gear hub (do not tighten the screws before). Push the cylindrical gear on the shaft up to a stop or the desired position. Now make the transverse pressure connection by uniformly tightening the clamping bolts. Tighten the bolts on after the other in several passes to the correct torque specified in the table (do not tighten crosswise). Check the torque with an indicating torque wrench.