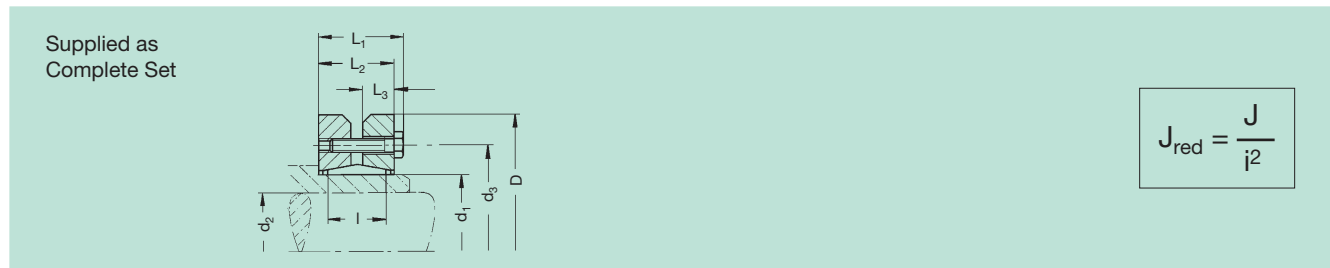




For Output Drive Shafts of Gear Series HT, HP, E, B, BG and Gearwheels with Ground Teeth



Order Code	T _{2 max} (Nm)	d ₂	d ₁	d ₃	D	L ₁	L ₂	L ₃	l	G	Screw Torque (Nm)	J 10 ⁻⁴ kg m ²	kg
80 83 030	400 200 130	25 19 16	30	44	60.2	25.0	21.5	9.00	18.0	7 x M5	4	1.756	0.3
80 84 036	540 270	28 22	36	52	72.2	27.5	23.5	10.00	22.0	5 x M6	12	4.029	0.4
80 80 044	870 810 490	33 32 25	44	61	80.2	29.5	25.5	11.00	22.0	7 x M6	12	6.524	0.6
80 85 050	1350 1180 870 730	38 36 32 30	50	72	90.2	31.5	27.5	12.00	22.0	9 x M6	12	11.322	0.8
80 80 055	1480 810 630	44 35 32	55	75	100.2	34.5	30.5	13.00	23.0	8 x M6	12	18.729	1.1
80 86 062	2300 1420	48 40	62	89	110.2	34.5	30.5	13.00	22.0	10 x M6	12	27.137	1.3
80 80 068	1940 1490	50 45	68	86	115.2	34.5	30.5	13.00	22.0	10 x M6	12	31.648	1.4
80 87 080	3240 2580	60 55	80	100	145.3	38.0	32.5	14.00	22.0	7 x M8	30	88.870	1.9
80 80 110	7710	75	110	145	185.2	57.0	50.0	22.00	39.0	9 x M10	59	351.503	5.9
80 80 125	11080	85	125	160	215.3	61.0	54.6	23.00	42.0	12 x M10	59	664.000	8.3
80 81 024	270	20	24	36	50.2	23.0	19.5	7.60	14.0	5 x M5	5	0.780	0.2
80 83 130	280	25	30	44	60.2	21.5	18.0	7.25	14.0	7 x M6	12	1.756	0.3
80 84 136	430	28	36	52	72.2	25.5	21.5	9.10	17.5	5 x M6	12	4.029	0.4
80 85 150	950	36	50	70	90.2	28.0	24.0	10.25	22.0	9 x M6	12	11.322	0.8



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.