



Maximum torques

Maximum input torque

In order to achieve optimum service life, do not exceed the values shown.
If operating hours are lower, higher values may be achieved. Please contact us for advice.

max. input drive torques M_R [Nm]

i	rpm	GSZ-2	Z-5	Z-10	Z-25	Z-35	Z-50	Z-50/Tr50	Z-100	Z-150	Z-250	Z-350	Z-500	Z-750	Z-1000
N	3000	1.2	4.0	11.0	17.0	-	-	-	-	-	-	-	-	-	-
N	1500	1.4	4.7	13.5	18.0	19.8	31.5	31.5	53.4	75.1	152	-	-	-	-
N	1000	1.5	5.6	14.0	22.0	20.8	36.8	36.8	60.8	77.1	152	265	408	480	680
N	500	1.6	6.1	16.7	28.0	24.8	46.5	46.5	75.3	95.0	160	350	500	640	960
L	3000	0.5	1.4	5.7	8.5	-	-	-	-	-	-	-	-	-	-
L	1500	0.5	1.5	7.5	10.0	9	10.4	10.4	13.5	20.7	41.4	-	-	-	-
L	1000	0.5	1.8	8.7	11.0	9.7	14.9	14.9	15.4	23.7	47.4	100	170	210	450
L	500	0.6	2.2	10.7	14.0	11.1	19.2	19.2	18.9	29.4	63.5	112	220	240	580

The stated limit values are mechanically-based - thermal factors may be relevant depending on the duty cycle

max. drive-through torque

Where several gearboxes are arranged in series the drive-through torque may be significantly greater than the maximum input drive torque. Only the torsional load on the shaft needs to be considered, not the load on the gear teeth.

max. worm shaft drive-through torque [Nm]

GSZ-2	Z-5	Z-10	Z-25	Z-35	Z-50	Z-50/Tr50	Z-100	Z-150	Z-250	Z-350	Z-500	Z-750	Z-1000
9	39	57	108	130	260	260	540	540	770	1800	1940	4570	4570

