



m_1	d_6^*	d_7	d_8^*	m_2	m_3	m_4	m_5	m_6	m_7	m_8	m_9	m_{10}
20	M 4	4,2	M 5	26	50	17,5	1,5	31	26	42,5	22,5	26

* Usable thread depth: min. $1.6 \times d_6 / d_8$

Mechanical Features

Circumferential backlash at the drive shaft	$1^\circ \pm 0.5^\circ$
Shaft direction of rotation	Any
Worm wheel set design	Left-hand
Life expectancy (guideline)	1,000 hours under full load at a rotational speed of 500 rpm, assuming the gear box is operating for 20% of every 5 minutes (1 minute of operation + 4 minutes break) at an ambient temperature of 20 °C
Maintenance	Permanent lubrication with grease, maintenance-free

m_1	Gear ratio	Max. input torque in Nm*			Max. output torque in Nm*			Input side		Output side		Efficiency in %	Self-braking
		at 100 min ⁻¹	at 500 min ⁻¹	at 1000 min ⁻¹	at 100 min ⁻¹	at 500 min ⁻¹	at 1000 min ⁻¹	Max. radial force in N**	Max. axial force in N***	Max. radial force in N**	Max. axial force in N***		
20	13	2,1	1,8	1,5	15	13	11	200	200	500	500	56	-
20	15	1,5	1,3	1	12	10	8	250	250	500	500	52	-
20	18	1,1	0,9	0,7	11	9	7	250	250	500	500	55	-
20	23	0,9	0,7	0,5	10	8	6	250	250	500	500	50	x
20	30	0,6	0,5	0,4	8,5	7	5,5	350	350	500	500	45	x
20	40	0,35	0,31	0,26	5,5	4,8	4	400	400	500	500	39	x
20	65	0,24	0,2	0,16	4,5	3,8	3	500	500	500	500	29	x

* Input side speed ** at axial force = 0 *** at radial force = 0

Assembly Instructions

Do not exert any forces onto the housing or into the bearings during assembly. Use of the threaded holes d_8 in the shaft is recommended. The use of a corresponding coupling is recommended to compensate for manufacturing-related shaft offsets and runout tolerances as well as for damping vibrations and shocks.