

			2-stage														
Ratio ^{a)}	<i>i</i>		16	20	21	25	28	31	35	40	50	61	70	91	100		
cymex®-optimized acceleration torque (please contact us regarding the design)	T_{2Bcym}	Nm	60	60	–	62	60	–	62	62	62	–	60	–	–		
		in.lb	531	531	–	549	531	–	549	549	549	–	531	–	–		
Max. acceleration torque (max. 1000 cycles per hour)	T_{2B}	Nm	55	55	40	55	55	40	55	55	55	45	55	32	35		
		in.lb	487	487	354	487	487	354	487	487	487	398	487	283	310		
Nominal output torque (with n_{2N})	T_{2N}	Nm	40	40	30	40	40	30	40	40	40	30	40	15	18		
		in.lb	354	354	266	354	354	266	354	354	354	266	354	133	159		
Emergency stop torque (permitted 1000 times during the service life of the gearhead)	T_{2Not}	Nm	100	100	100	100	100	100	100	100	100	100	100	100	100		
		in.lb	885	885	885	885	885	885	885	885	885	885	885	885	885		
Nominal input speed (with T_{2N} and 20°C ambient temperature ^{b)})	n_{1N}	rpm	4000	4000	4000	4000	4000	4000	4000	4000	4800	5500	5500	5500	5500		
Max. input speed	n_{1Max}	rpm	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000		
Mean no load running torque (with $n_1=3000$ rpm and 20°C gearhead temperature ^{c)})	T_{012}	Nm	0.55	0.45	0.45	0.45	0.35	0.35	0.30	0.25	0.25	0.20	0.20	0.20	0.20		
		in.lb	4.87	3.98	3.98	3.98	3.10	3.10	2.66	2.21	2.21	1.77	1.77	1.77	1.77		
Max. torsional backlash	j_t	arcmin	Standard ≤ 4 / Reduced ≤ 2														
Torsional rigidity ^{d)}	C_{t12}	Nm/ arcmin	12	12	10	12	12	9	12	11	12	9	11	7	8		
		in.lb/ arcmin	106	106	89	106	106	80	106	97	106	80	97	62	71		
Tilting rigidity	C_{2K}	Nm/ arcmin	–														
		in.lb/ arcmin	–														
Max. axial force ^{d)}	F_{2AMax}	N	1630														
		lb _f	367														
Max. tilting moment	M_{2KMax}	Nm	110														
		in.lb	974														
Efficiency at full load	η	%	94														
Service life (For calculation, see the Chapter "Information")	L_h	h	> 20000														
Weight incl. standard adapter plate	m	kg	1.5														
		lb _m	3.3														
Operating noise (with $i=100$ and $n_1=3000$ rpm no load)	L_{PA}	dB(A)	≤ 58														
Max. permitted housing temperature	°C		+90														
	F		194														
Ambient temperature	°C		0 to +40														
	F		32 to 104														
Lubrication			Lubricated for life														
Paint			Blue RAL 5002														
Direction of rotation			Motor and gearhead same direction														
Protection class			IP 65														
Moment of inertia (relates to the drive)	B	11	J_1	kgcm ²	0.078	0.070	0.074	0.068	0.062	0.072	0.061	0.051	0.057	0.058	0.056	0.057	0.056
				10 ⁴ in.lb.s ²	0.069	0.062	0.066	0.060	0.054	0.064	0.054	0.051	0.050	0.051	0.050	0.051	0.050
Clamping hub diameter [mm]	C	14	J_1	kgcm ²	0.17	0.17	0.17	0.16	0.16	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15
				10 ⁴ in.lb.s ²	0.15	0.15	0.15	0.14	0.14	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.13

Reduced mass moments of inertia available on request.

^{a)} Other ratios available on request

^{b)} For higher ambient temperatures, please reduce input speed

^{c)} Valid for clamping hub diameter of 11 mm

^{d)} Refers to center of the output shaft or flange