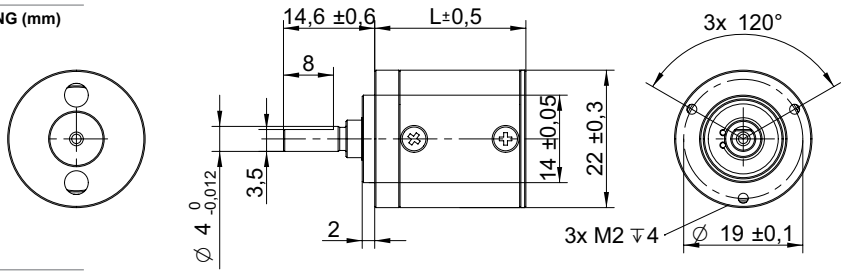
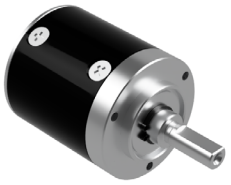
HP22 | Ø 22 mm | HIGH PRECISION PLANETARY GEARBOX

DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

HP22 - GEAR RATIO

Example: HP22-003.7

ACCESSORIES

● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

PLANETARY GEARBOX DATA STAGE 1 TO 2															C
Gear ratio		3.7:1	4.3:1	5:1	7:1	14:1	16:1	18:1	19:1	22:1	25:1	27:1	29:1	35:1	46:1	
Gear stage		1	1	1	1	2	2	2	2	2	2	2	2	2	2	
Max. nominal input speed	rpm	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	
Max. nominal torque[1]	Nm	0.53	0.53	0.53	0.53	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	
Peak torque[1]	Nm	0.79	0.79	0.79	0.79	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Efficiency	%	90	90	90	90	80	80	80	80	80	80	80	80	80	80	
Length | L	mm	24.2	24.2	24.2	24.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	
Weight	g	43	43	43	43	58	58	58	58	58	58	58	58	58	58	
Backlash no load	°	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
Radial load[2]	N	25	25	25	25	34	34	34	34	34	34	34	34	34	34	
Shaft axial load	N	9.8	9.8	9.8	9.8	15	15	15	15	15	15	15	15	15	15	

PLANETARY GEARBOX DATA STAGE 3																			C
Gear ratio		51:1	59:1	68:1	71:1	93:1	95:1	100:1	107:1	115:1	124:1	130:1	139:1	150:1	169:1	181:1	195:1	236:1	308:1	
Gear stage		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Max. nominal input speed	rpm	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	
Max. nominal torque[1]	Nm	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	
Peak torque[1]	Nm	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Efficiency	%	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
Length | L	mm	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	
Weight	g	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
Backlash no load	°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Radial load[2]	N	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	
Shaft axial load	N	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	

OTHER GEARBOX DATA			C
Service life	h	1000	
Performance tolerances	%	15	
Operating temperature	°C	-30 to 100	
Relative humidity	%	20 to 85	
Noise level[3]	dB(A)	Depending on motor model	
IP rating		IP40	
Manufacturing standard		ISO 9001 | ISO 14001 | ISO 5001	
CE label | UL label		No | No	
Shaft press fit force max.	N	49	
Radial play	mm	0.05	
Thrust play	mm	0.2	
Bearing type		Ball bearing	
Shaft material		Steel	
Housing material		Steel	
Direction of rotation		CW and CCW	

MOTOR COMPATIBILITY[4]	
Compatible motor types	Brushed DC motors, brushless DC motors, and stepping motors.

EXAMPLE GEAR MOTOR DATA FOR COMPATIBLE MODEL		
Motor model		BR2268-12
Gearbox		HP22-018
Gear ratio		18:1
Nominal speed	rpm	190
Nominal torque	Nm	0.27
Nominal power	W	5.5

NOTES

1. Available in higher torque options. Contact us for more information.
2. 10 mm from flange.
3. Contact us for more detailed information.
4. Transmotec offers a range of different compatible motors. Visit www.transmotec.com for more information.

© Copyright Transmotec

EU: +46 8 792 35 30
US: +1-339-234-9200
info@transmotec.com