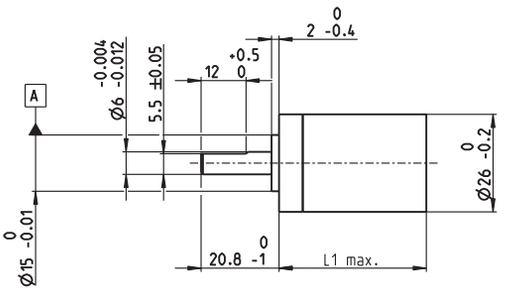
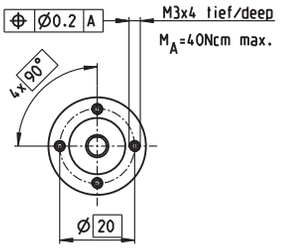
Planetary Gearhead GP 26 A ∅26 mm, 0.75–4.5 Nm





M 1:2

Technical Data

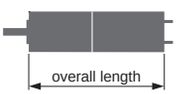
Planetary Gearhead			straight teeth
Output shaft			stainless steel, hardened
Bearing at output			preloaded ball bearings
Radial play, 5 mm from flange			max. 0.1 mm
Axial play at axial load	< 6 N		0 mm
	> 6 N		max. 0.4 mm
Max. axial load (dynamic)			120 N
Max. force for press fits			120 N
Direction of rotation, drive to output			=
Max. continuous input speed			8000 rpm
Recommended temperature range			-30…+100°C
Extended range as option			-40…+100°C
Number of stages	1	2	3
Max. radial load, 12 mm from flange	70 N	110 N	140 N

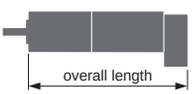
Stock program
Standard program
Special program (on request)

Part Numbers								
406757	406762	**406764**	406767	**406128**	406769	**406770**	406771	406092

Gearhead Data

1	Reduction		5.2:1	19:1	27:1	35:1	71:1	100:1	139:1	181:1	236:1
2	Absolute reduction		$^{57}/_{11}$	$^{3591}/_{187}$	$^{3249}/_{121}$	$^{1539}/_{44}$	$^{226233}/_{3179}$	$^{204687}/_{2057}$	$^{185193}/_{1331}$	$^{87723}/_{484}$	$^{41553}/_{176}$
3	Max. motor shaft diameter	mm	3	3	3	3	3	3	3	3	3
4	Number of stages		1	2	2	2	3	3	3	3	3
5	Max. continuous torque	Nm	0.75	2.25	2.25	2.25	4.5	4.5	4.5	4.5	4.5
6	Max. intermittent torque at gear output	Nm	1.1	3.2	3.2	3.2	6.2	6.2	6.2	6.2	6.2
7	Max. efficiency	%	90	80	80	80	70	70	70	70	70
8	Weight	g	53	77	77	77	93	93	93	93	93
9	Average backlash no load	°	0.5	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
10	Mass inertia	gcm²	0.96	0.54	0.54	0.54	0.31	0.31	0.31	0.31	0.31
11	Gearhead length L1	mm	23.4	32.9	32.9	32.9	39.5	39.5	39.5	39.5	39.5
13	Max. transmittable power (continuous)	W	60	35	35	35	20	20	20	20	20
14	Max. transmittable power (intermittent)	W	90	50	50	50	30	30	30	30	30





maxon Modular System

+ Motor	Page	+ Sensor/Brake	Page	Overall length [mm] = Motor length + gearhead length + (sensor/brake) + assembly parts								
RE 25	179/181			78.0	87.5	87.5	87.5	94.1	94.1	94.1	94.1	94.1
RE 25	179/181	MR	392	89.0	98.5	98.5	98.5	105.1	105.1	105.1	105.1	105.1
RE 25	179/181	Enc 22	398	92.1	101.6	101.6	101.6	108.2	108.2	108.2	108.2	108.2
RE 25	179/181	HED_ 5540	399/401	98.8	108.3	108.3	108.3	114.9	114.9	114.9	114.9	114.9
RE 25	179/181	DCT22	411	100.3	109.8	109.8	109.8	116.4	116.4	116.4	116.4	116.4
RE 25, 20 W	180			66.5	76.0	76.0	76.0	82.6	82.6	82.6	82.6	82.6
RE 25, 20 W	180	MR	392	77.5	87.0	87.0	87.0	93.6	93.6	93.6	93.6	93.6
RE 25, 20 W	180	HED_ 5540	400	87.3	96.8	96.8	96.8	103.4	103.4	103.4	103.4	103.4
RE 25, 20 W	180	DCT 22	411	88.8	98.3	98.3	98.3	104.9	104.9	104.9	104.9	104.9
RE 25, 20 W	180	AB 28	446	100.6	110.1	110.1	110.1	116.7	116.7	116.7	116.7	116.7
RE 25, 20 W	180	HED_5540/AB 28	400/446	117.8	127.3	127.3	127.3	133.9	133.9	133.9	133.9	133.9
RE 25, 20 W	181	AB 28	446	112.1	121.6	121.6	121.6	128.2	128.2	128.2	128.2	128.2
RE 25, 20 W	181	HED_ 5540/AB 28	401/446	129.3	138.8	138.8	138.8	145.4	145.4	145.4	145.4	145.4
A-max 26	205-212			68.2	77.7	77.7	77.7	84.3	84.3	84.3	84.3	84.3
A-max 26	205-212	MEnc 13	410	75.3	84.8	84.8	84.8	91.4	91.4	91.4	91.4	91.4
A-max 26	205-212	MR	392	77.0	86.5	86.5	86.5	93.1	93.1	93.1	93.1	93.1
A-max 26	205-212	Enc 22	398	82.6	92.1	92.1	92.1	98.7	98.7	98.7	98.7	98.7
A-max 26	205-212	HED_ 5540	400/402	86.6	96.1	96.1	96.1	102.7	102.7	102.7	102.7	102.7