

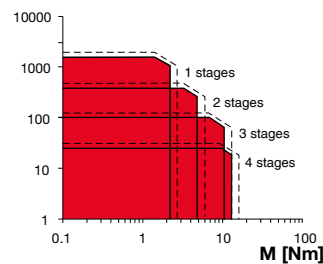
GPX 32

Planetary Gearhead Ø32 mm



Key Data		UP Ultra Performance
Max. transmittable power	W	242
Max. continuous torque	Nm	12.6
Max. continuous input speed	rpm	6000
Ambient temperature	°C	-40 ... +100
Bearing at output		Ball bearing

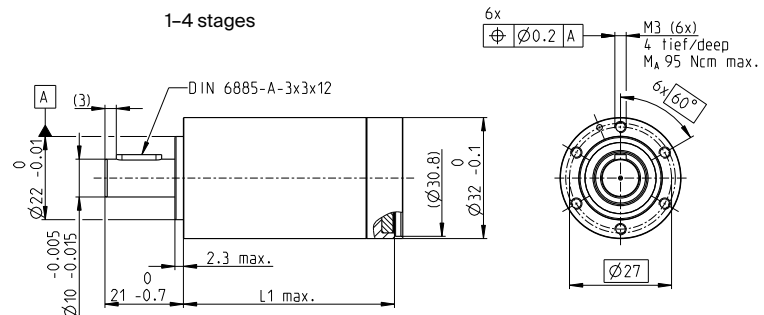
Operating Range (output shaft)	UP Ultra Performance
	n [rpm]
<div style="display: flex; align-items: center;"> <div style="width: 15px; height: 10px; background-color: red; margin-right: 5px;"></div> Continuous operation </div>	
<div style="display: flex; align-items: center;"> <div style="width: 15px; border-top: 1px dashed black; margin-right: 5px;"></div> Intermittent operation </div>	



Specifications		UP Ultra Performance			
Number of stages		1	2	3	4
Max. transmittable continuous power	W	242	130	70	25
Max. transmittable intermittent power	W	300	160	85	30
Max. continuous torque	Nm	2.20	4.80	10.40	12.60
Max. intermittent torque	Nm	2.70	6.00	13.00	16.00
Max. continuous input speed	rpm	6000	6000	6000	6000
Max. intermittent input speed	rpm	7500	7500	7500	7500
Max. efficiency	%	96	93	90	87
Average backlash no load	°	0.3	0.4	0.5	0.6
Max. axial load (dynamic)	N	110	110	110	110
Max. radial load, 10 mm from flange	N	150	200	250	250
Gearhead length L1 ¹	mm	32.0	47.0	62.0	77.0
Weight	g	167	231	287	350

Configuration		UP Ultra Performance			
Number of stages		1	2	3	4
Reduction	X:1	3.9, 5.3	16, 21, 26, 28, 35	62, 83, 103, 111, 138, 150, 172, 186, 231	243, 326, 406, 439, 546, 590, 679, 734, 794, 913, 987, 1135, 1227, 1526
Absolute reduction: (see online)					
Version		Standard/ceramic version/noise reduced/backlash reduced/high power/ultra performance			
Flange		Standard flange			
Shaft		Length/flat face/feather key			

maxon Modular System	Page	Dimensions	M 1:2
maxon DC motor N° of stages [opt.]			
DCX 32 L 1-4	95		



¹This length may vary depending on the configuration and choice of motor. The effective length is calculated at the end of the configuration process.