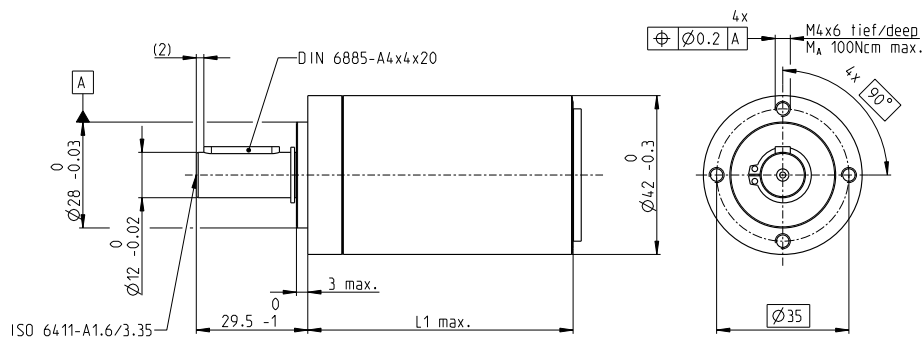


GPX 42 Ø42 mm, planetary gearhead



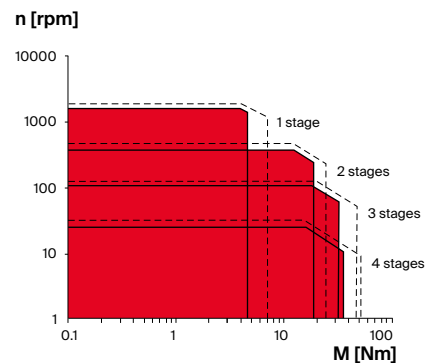
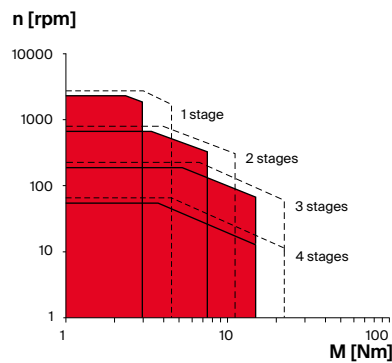
GPX

M 1:2

Key Data	C Ceramic version	UP Ultra performance
Max. transmittable power	W 580	650
Max. continuous torque	Nm 15.0	35.0
Max. continuous input speed	rpm 8000	6000
Ambient temperature	°C -40...+100	-40...+100
Bearing at output	Ball bearing	Ball bearing

Operating range (output shaft)	C Ceramic version	UP Ultra performance
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Continuous operation
Intermittent operation



Specifications	C Ceramic version	UP Ultra performance
Number of stages	1 2 3 4	1 2 3 4
Max. transmittable power (continuous)	W 580 240 100 20	650 460 200 40
Max. transmittable power (intermittent)	W 725 300 125 25	820 580 250 50
Max. continuous torque	Nm 3.0 7.5 15.0 15.0	4.5 18.0 32.0 35.0
Max. intermittent torque	Nm 4.5 11.3 22.5 22.5	7.0 24.0 46.0 50.0
Max. continuous input speed	rpm 8000 8000 8000 8000	6000 6000 6000 6000
Max. intermittent input speed	rpm 10000 10000 10000 10000	7500 7500 7500 7500
Max. efficiency	% 90 81 72 64	96 93 90 87
Average backlash no load	° 0.6 0.8 1.0 1.0	0.3 0.4 0.5 0.6
Max. axial load (dynamic)	N 150 150 150 150	200 200 200 200
Max. radial load, 12 mm from flange	N 120 240 360 360	350 525 750 750
Gearhead length L1 ¹	mm 37.4 51.9 66.4 80.9	48.0 67.0 86.0 104.5
Weight	g 260 360 460 560	400 540 660 790

Configuration	C	Ceramic version				UP Ultra performance			
Number of stages		1	2	3	4	1	2	3	4
Reduction	X:1	3.5, 4.3	12, 15, 19, 21, 26	43, 53, 66, 74, 81, 113, 126, 156	150, 186, 230, 257, 285, 319, 353, 394, 441, 488, 546, 676, 756, 936	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	Ceramic version/ultra performance								
Flange	Standard flange								
Shaft	Length/flat face/feather key								

Modular system	Page	Page	Page
DC motor	N° of stages [opt.]	EC motor	N° of stages [opt.]
DCX 35 L	1-4	ECX FLAT 42 S	1-4
	118	ECX FLAT 42 M	1-4
			263-264
			265
		Compact drive	
		ECX FLAT 42 S	1-4
		ECX FLAT 42 M	1-4
			365
			366

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