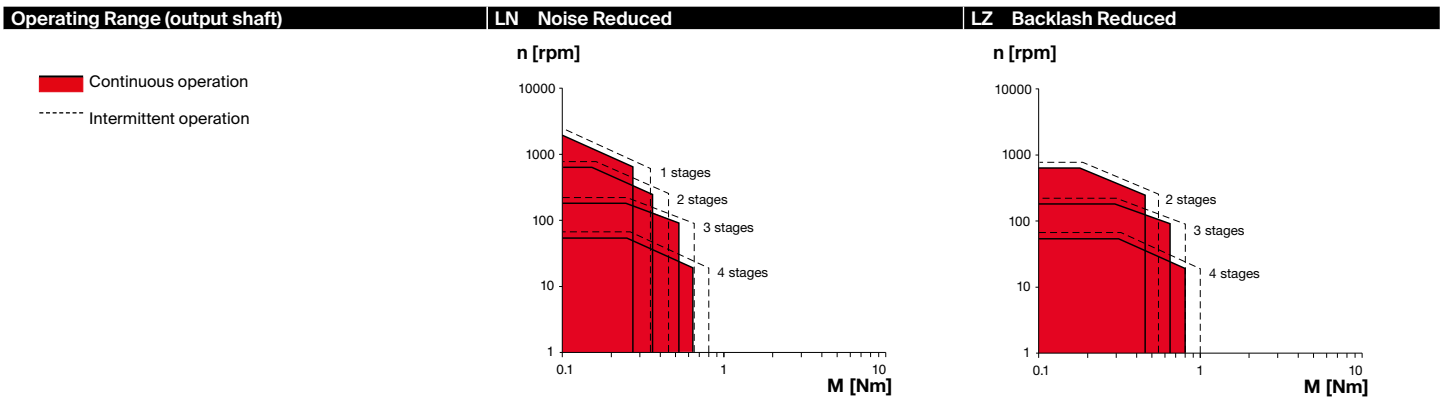


GPX 19 Ø19 mm, planetary gearhead

GPX



Key Data		LN Noise Reduced	LZ Backlash Reduced
Max. transmittable power	W	10.4	6.5
Max. continuous torque	Nm	0.64	0.8
Max. continuous input speed	rpm	14 000	14 000
Ambient temperature	°C	-40 ... +85	-40 ... +100
Bearing at output		Ball bearing	Ball bearing
Typical noise level	dBA	-5 dBA compared to standard configuration	



Specifications	LN Noise Reduced				LZ Backlash Reduced			
	1	2	3	4	2	3	4	
Number of stages	1	2	3	4	2	3	4	
Max. transmittable continuous power	W	10.4	5.2	2.6	0.7	6.5	3.2	0.9
Max. transmittable intermittent power	W	13.0	6.5	3.2	0.9	8.1	4.1	1.1
Max. continuous torque	Nm	0.28	0.36	0.52	0.64	0.45	0.65	0.80
Max. intermittent torque	Nm	0.35	0.45	0.65	0.80	0.55	0.80	1.00
Max. continuous input speed	rpm	10000	12000	14000	14000	12000	14000	14000
Max. intermittent input speed	rpm	12500	15000	17500	17500	15000	17500	17500
Max. efficiency	%	90	80	75	65	80	75	65
Average backlash no load	°	0.9	1.15	1.25	1.35	0.8	1.0	1.15
Max. axial load (dynamic)	N	40	40	40	40	40	40	40
Max. radial load, 5 mm from flange	N	50	80	90	90	80	90	90
Gearhead length L ¹	mm	16.7	22.9	27.0	36.2	22.9	27.0	36.2
Weight	g	30	40	43	55	40	43	55

Configuration	LN Noise Reduced				LZ Backlash Reduced			
	1	2	3	4	2	3	4	
Number of stages	1	2	3	4	2	3	4	
Reduction	X:1	3.9, 5.3, 6.6	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	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							
Flange	Standard flange/configurable flange							
Shaft	Length/flat face/cross hole							

maxon Modular System		Page	Dimensions	M 1:1
maxon DC motor	Nº of stages [opt.]			
DCX 16 S	3-4	93-94		
DCX 16 L	3-4	95-96		
DCX 19 S	1-2 [3-4]	97-98		
DC-max 16 S	3-4	109-110		
maxon EC motor	Nº of stages [opt.]			
ECX SPEED 16 M	3-4	195-196		
ECX SPEED 16 L	3-4	199-200		
ECX SPEED 19 M	1-2 [3-4]	203-204		
ECX SPEED 19 L	1-2 [3-4]	207-208		

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

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