

Screw	φ 6*2, GCr15, hardened	Radial play (5mm from flange)	< 0.05mm				
Standard length	151mm	Axial play	preloaded				
Special length (5mm steps)	300mm	Max.continuous input speed	8000rpm				
Nut (standard)	thread nut	Recommended Temperature Range	-40°C ~ +100°C				
Material	15CrMo, hardened	Max.axial load(static)	500N				
Axial play	0	Number of stages	0	1	2	3	4
Planetary	straight teeth	Max. radial load: (15mm from flange)	120N	140N	200N	200N	200N
Bearing	ball bearing/thrust ball bearing						

Reduction	1:1	3.1:1	10:1	36:1	31:1	75:1	201:1	384:1
Absolute reduction	1/1	22/7	484/49	36/1	10648/343	528/7	1408/7	384/1
Max.feed velocity (mm/s)	150	86	26	7.4	8.6	3.5	1.3	1.3
Max.feed force (continous) (N)	77	93	137	210	200	269	374	464
Max.feed force (intermittent) (N)	154	186	274	420	400	500	500	500
Max. Gear Hole "A"	3	3	3	2	3	3	3	3
Reduction		4:1	13:1		40:1	96:1	237:1	453:1
Absolute reduction		4/1	88/7		1936/49	96/1	11616/49	3168/7
Max.feed velocity (mm/s)		66	20		6.6	2.7	1.1	0.6
Max.feed force (continous) (N)		101	150		218	292	395	490
Max.feed force (intermittent) (N)		202	300		436	500	500	500
Max. Gear Hole "A"		3	3		3	3	3	3
Reduction		6:1	16:1		50:1	113:1	256:1	576:1
Absolute reduction		6/1	16/1		352/7	792/7	256/1	576/1
Max.feed velocity (mm/s)		44	17		5.3	2.3	1.0	0.4
Max.feed force (continous) (N)		116	161		235	308	405	500
Max.feed force (intermittent) (N)		232	322		470	500	500	500
Max. Gear Hole "A"		2	3		3	3	3	3
Reduction			19:1		59:1	144:1	302:1	679:1
Absolute reduction			132/7		2904/49	144/1	2112/7	4752/7
Max.feed velocity (mm/s)			14		4.5	1.9	0.8	0.4
Max.feed force (continous) (N)			170		248	334	428	500
Max.feed force (intermittent) (N)			340		496	500	500	500
Max. Gear Hole "A"			3		3	3	3	3
Reduction			24:1		64:1	216:1	356:1	864:1
Absolute reduction			24/1		64/1	216/1	17424/49	864/1
Max.feed velocity (mm/s)			11		4.2	1.2	0.7	0.3
Max.feed force (continous) (N)			184		255	383	452	500
Max.feed force (intermittent) (N)			368		500	500	500	500
Max. Gear Hole "A"			3		3	2	3	3
Number of stages	0 ²	1	2	2	3	3	4	4
Max.efficiency gearhead incl.screw (%)	71	84	75	75	68	68	61	61
Weight (g)	/ / 3	/ / 3	/ 23	/ 23	140	140	150	150
Average backlash no load (°)	. . 68	1.18	1.38	1.38	1.38	1.38	1.38	1.38
Mechanical positioning accuracy (mm)	. . . 16	. . . 19	. . . 4	. . . 4	. . . 4	. . . 4	. . . 4	. . . 4
Mass inertia gearhead incl.screw (gcm ²)	4,65	0.73	0.14	0.14	0.13	0.13	0.13	0.13
Gearhead length L1 (mm)	36.5	36.5	41.3	41.3	46.1	46.1	50.9	50.9

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