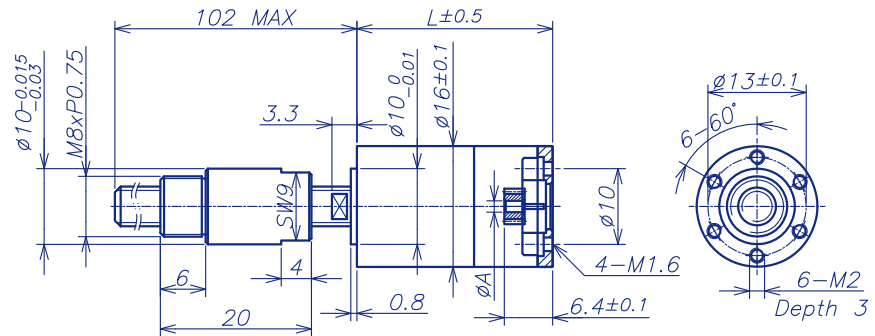




Screw	φ 5*2, GCr15, hardened	Radial play (5mm from flange)	< 0.05mm				
Standard length	102mm	Axial play	preloaded				
Special length (5mm steps)	Max.200mm	Max.countinuous input speed	12000rpm				
Nut (standard)	thread nut	Recommended Temperature Range	-40°C ~ +100°C				
Material	15CrMo, hardened	Max.axial load(static)	400N				
Axial play	< 0.01mm	Number of stages	0	1	2	3	4
Planetary	straight teeth	Max. radial load: (6mm from flange)	20N	40N	60N	80N	80N
Bearing	ball bearing/thrust ball bearing						

Reduction	1:1	3.8:1	14:1	29:1	53:1	89:1	198:1	455:1
Absolute reduction	1/1	15/4	225/16	729/25	3375/64	4617/52	50625/256	5000211/10985
Max.feed velocity (mm/s)	150	106.7	28.4	13.7	7.6	4.5	2	0.9
Max.feed force (continous) (N)	54	61	94	120	146	174	227	300
Max.feed force (intermittent) (N)	149	168	256	331	400	400	400	400
Max. Gear Hole "A"	1.5	2	2	1.5	2	2	2	2
Reduction		4.4:1	16:1		62:1	104:1	231:1	561:1
Absolute reduction		57/13	855/52		12825/208	87723/845	192375/832	236852/4225
Max.feed velocity (mm/s)		91.2	24.3		6.5	3.9	1.7	0.7
Max.feed force (continous) (N)		64	99		154	183	239	321
Max.feed force (intermittent) (N)		177	273		400	400	400	400
Max. Gear Hole "A"		2	2		2	2	2	2
Reduction		5.4:1	19:1		72:1	109:1	270:1	690:1
Absolute reduction		27/5	3249/169		48735/676	2187/20	731025/2704	1121931/1625
Max.feed velocity (mm/s)		74.1	20.8		5.5	3.7	1.5	0.6
Max.feed force (continous) (N)		68	104		162	186	252	345
Max.feed force (intermittent) (N)		188	287		400	400	400	400
Max. Gear Hole "A"		1.5	2		2	2	2	2
Reduction			20:1		76:1	128:1	316:1	850:1
Absolute reduction			81/4		1215/16	41553/325	2777895/8788	531441/625
Max.feed velocity (mm/s)			19.8		5.3	3.1	1.3	0.5
Max.feed force (continous) (N)			106		165	196	266	369
Max.feed force (intermittent) (N)			292		400	400	400	400
Max. Gear Hole "A"			2		2	2	2	1.5
Reduction			24:1		84:1	157:1	370:1	
Absolute reduction			1539/65		185193/2197	19683/125	10556001/28561	
Max.feed velocity (mm/s)			16.9		4.7	2.5	1.1	
Max.feed force (continous) (N)			112		171	211	280	
Max.feed force (intermittent) (N)			309		400	400	400	
Max. Gear Hole "A"			2		2	1.5	2	
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)	55	50	55	55	60	60	65	65
Average backlash no load (°)	1.18	1.38	1.68	1.68	1.68	1.68	1.68	1.68
Mechanical positioning accuracy (mm)	...19	...4	...42	...42	...42	...42	...42	...42
Mass inertia gearhead incl.screw (gcm)	1.48	0.1	0.01	0.01	0.01	0.01	0.01	0.01
Gearhead length L1 (mm)	27.4	27.4	31.1	31.1	34.8	34.8	38.5	38.5

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