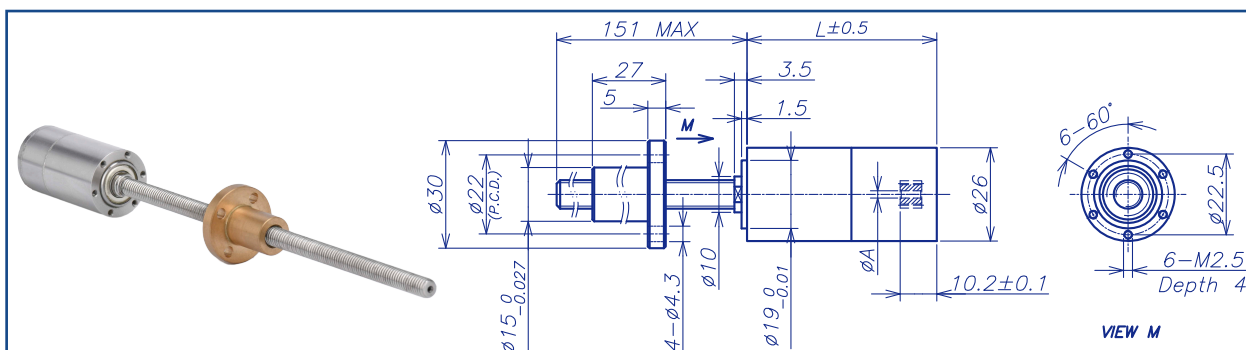


SCREW PLANETARY GEARBOX TRAPEZOIDAL SCREW



AM-TS0802-151-26GP Series



SCREW CHARACTER

Screw(Diameter*Lead)	Tr8*2, SUS304	Radial play (5mm from flange)	< 0.05mm
Standard length	151mm	Axial play	preloaded
Special length (5mm steps)	Max.300mm	Max.continuous input speed	8000rpm
Nut (standard)	thread nut	Recommended Temperature Range	-15°C ~ +80°C
Material	copper	Max.axial load(static)	1000N
Axial play	< 0.13mm	Number of stages	0 1 2 3 4
Planetary	straight teeth	Max. radial load: (15mm from flange)	150N 170N 200N 200N 200N
Bearing	ball bearing/thrust ball bearing		

SCREW DRIVE DATA

Reduction	1:1	3.7:1	13:1	36:1	49:1	113:1	252:1	572:1
Absolute reduction	1/1	11/3	121/9	36/1	1331/27	338/3	20449/81	572/1
Max.feed velocity (mm/s)	150	72	19.8	7.4	5.4	2.3	1.0	0.46
Max.feed force (continuous) (N)	203	77	277	386	428	564	739	970
Max.feed force (intermittent) (N)	507	154	554	772	857	1000	1000	1000
Max. Gear Hole "A"	4	4	4	2	4	4	4	4
Reduction		4.3:1	16:1		58:1	132:1	298:1	676:1
Absolute reduction		13/3	143/9		1573/27	132/1	24167/81	676/1
Max.feed velocity (mm/s)		61	16.7		4.5	2.0	0.89	0.39
Max.feed force (continuous) (N)		61	294		453	595	781	1000
Max.feed force (intermittent) (N)		92	588		906	1000	1000	1000
Max. Gear Hole "A"		4	4		4	4	4	4
Reduction		6:1	19:1		69:1	156:1	353:1	792:1
Absolute reduction		6/1	169/9		1859/27	156/1	28561/81	792/1
Max.feed velocity (mm/s)		44	14.2		3.8	1.7	0.75	0.33
Max.feed force (continuous) (N)		136	310		479	629	826	1000
Max.feed force (intermittent) (N)		272	620		958	1000	1000	1000
Max. Gear Hole "A"		2	4		4	4	4	2
Reduction			22:1		81:1	216:1	413:1	936:1
Absolute reduction			22/1		2197/27	216/1	3718/9	936/1
Max.feed velocity (mm/s)			12.1		3.2	1.2	0.64	0.28
Max.feed force (continuous) (N)			327		506	701	870	1000
Max.feed force (intermittent) (N)			655		1000	1000	1000	1000
Max. Gear Hole "A"			4		4	2	4	2
Reduction			26:1		95:1		488:1	1296:1
Absolute reduction			26/1		286/3		4394/9	1296/1
Max.feed velocity (mm/s)			10.2		2.7		0.54	0.2
Max.feed force (continuous) (N)			346		534		920	1000
Max.feed force (intermittent) (N)			692		1000		1000	1000
Max. Gear Hole "A"			4		4		4	2
Number of stages	0	1	2	2	3	3	4	4
Max. efficiency gearhead incl.screw (%)	28.7	25.8	23.2	23.2	20.9	20.9	18.8	18.8
Weight (g)	215	215	240	240	270	270	300	300
Average backlash no load (°)	1°	1.2°	1.4°	1.4°	1.5°	1.5°	1.5°	1.5°
Mechanical positioning accuracy (mm)	0.167	0.168	0.170	0.170	0.171	0.171	0.171	0.171
Mass inertia gearhead incl.screw (g.cm ²)	18.14	1.34	0.29	0.29	0.28	0.28	0.28	0.28
Gearhead length L1 (mm)	44.7	44.7	53.2	53.2	61.7	61.7	70.2	70.2

1/ based on screw length 151 mm (standard length) 2/ for reduction 1:1=3000rpm For the recommended combination specs, visit AM-26GP.

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