

Planetary Gearboxes PJ Series

PJ32

This is a group of planetary gearbox or planetary gearhead of PJ series, precision series.

Its diameter is $\varnothing 32$ mm. It has 5 stages, 5 lengths, and 125 models for your selection.

It is for DC, step or servo motor that the power is less than 40 W. The continuous output torque is 1.2-7 Nm.



Table 1: Features

Stages	Length (mm / in.)	Efficiency (%)	Backlash	Weight (g / oz)
1	30.9 / 1.22	90	0.5°	125 / 3.30
2	37.2 / 1.46	81	0.8°	147 / 3.89
3	43.5 / 1.71	73	1.0°	169 / 4.47
4	49.8 / 1.96	65	1.2°	191 / 5.05
5	56.1 / 2.21	59	1.5°	213 / 5.63

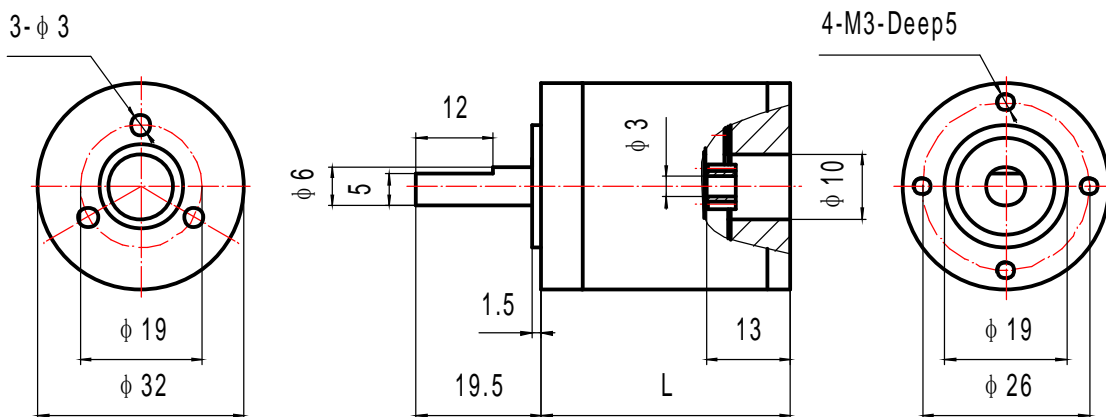


Table 2: Material and load

Items	Description
Shell Material	Stainless steel
Gear Materiel	Steel, hard gear surface
Output Shaft Materiel	Stainless steel
Flange Materiel	Stainless steel
Bearing on Output End	Rolling bearing
Max. Input Speed	6,000 rpm
Max. Radial Load	30 N
Max. Axial Load	30 N
Max. Install Force	100 N
Radial Clearance	0.01 mm
Axial Clearance	0.01 mm
Operating Temperature	-50 to 185 , (-58, to 365°F)

*-- Optional of plastic or steel gear for first stage

Table 3: Ratio and output torque

Model #	Ratio	Output Torque (Nm)		Stages
		Continuous	Intermittent	
1132001	3.11	1.2	1.4	1
1132002	3.71			
1132003	4.8			
1132004	5.75			
1132006	9.68	3.5	4.3	2
1132007	11.56			
1132008	13.8			
1132009	14.93			
1132010	17.83			
1132011	17.89	3.5	4.3	2
1132012	21.36			
1132014	23.04			
1132016	27.6			
1132017	33.06			
1132021	30.1	7	8.6	3
1132022	35.94			
1132023	42.91			
1132024	46.44			
1132025	51.18			

(Continued from Table 3: Ratio and output torque)

Model #	Ratio	Output Torque (Nm)		Stages
		Continuous	Intermittent	
1132026	55.45	7	8.6	3
1132027	55.63			
1132028	66.14			
1132029	66.42			
1132031	71.65			
1132032	79.24	7	8.6	3
1132034	85.48			
1132035	85.84			
1132037	102.4			
1132038	102.82			
1132040	110.59	7	8.6	3
1132041	122.66			
1132044	132.48			
1132046	158.7			
1132049	190.11	4.6	5.8	
1132056	93.62	7	8.6	4
1132057	111.77			
1132058	133.44			
1132059	144.44			
1132060	159.18			
1132061	172.44	7	8.6	4
1132062	173.02			
1132063	189.89			
1132064	205.71			
1132065	206.57			
1132067	222.85	7	8.6	4
1132068	245.39			
1132069	246.42			
1132071	265.84			
1132072	266.95			
1132073	293.96	7	8.6	4
1132075	317.12			
1132076	318.45			
1132077	319.78			
1132079	343.94			
1132081	379.89	7	8.6	4
1132082	381.48			
1132085	410.3			
1132086	412.01			
1132087	455.08			

(Continued from Table 3: Ratio and output torque)

Model #	Ratio	Output Torque (Nm)		Stages
		Continuous	Intermittent	
1132090	491.5	7	8.6	4
1132091	493.56			
1132094	530.84			
1132096	588.78			
1132097	591.24			
1132101	635.9	7	8.6	4
1132102	705.31			
1132106	761.76			
1132110	912.53			
1132114	1093.13	4.6	5.8	
1132126	291.15	7	8.6	5
1132127	347.59			
1132128	414.98			
1132129	449.2			
1132130	495.05			
1132131	536.29	7	8.6	5
1132132	538.1			
1132133	590.55			
1132134	639.75			
1132135	642.43			
1132137	693.05	7	8.6	5
1132138	704.49			
1132139	763.18			
1132140	766.37			
1132142	826.76			
1132143	830.21	7	8.6	5
1132144	910.41			
1132145	914.22			
1132147	986.26			
1132148	990.38			
1132149	994.53	7	8.6	5
1132151	1069.66			
1132152	1090.6			
1132154	1176.53			
1132155	1181.46			
1132156	1186.4	7	8.6	5
1132159	1276.02			
1132160	1281.36			
1132162	1409.39			
1132163	1415.28			

(Continued from Table 3: Ratio and output torque)

Model #	Ratio	Output Torque (Nm)		Stages
		Continuous	Intermittent	
1132166	1522.2	7	8.6	5
1132167	1528.57			
1132168	1534.96			
1132171	1650.92			
1132172	1688.33			
1132175	1823.47	7	8.6	5
1132176	1831.1			
1232177	1838.76			
1132181	1969.42			
1132182	1977.66			
1132184	2184.36	7	8.6	5
1132185	2193.5			
1132190	2359.2			
1132191	2369.07			
1132194	2548.04			
1132195	2616.68	7	8.6	5
1132199	2826.13			
1132200	2837.95			
1132205	3052.34			
1132207	3385.47			
1132208	3399.63	7	8.6	5
1132213	3656.45			
1132217	4055.51			
1132221	4380.12			
1132227	5247.02			
1132234	6285.49	4.6	5.8	5

For more information about our planetary gearboxes in PJ series, PH series and PM series, please visit our website www.broadwaygear.com. Thanks!