

TORQTRON TQ-PL090

TQ-PL090 Precision Planetary Gearbox, 90 mm

General

Frame size	90 mm
Stages	1 or 2
Ratio range	3:1 to 100:1

Performance

Rated output torque	85 N.m
Emergency stop torque	170 N.m
Backlash	<= 3 arcmin
Efficiency	97 %
Torsional rigidity	9 N.m/arcmin

Speed

Rated input speed	3,000 rpm
Max input speed	6,000 rpm

Bearings

Max radial load	3,200 N
Max axial load	1,500 N

Physical

Weight	3.2 kg
Protection	IP65
Noise level	<= 62 dB(A)
Service life	20,000 h
Lubrication	Synthetic grease, lubricated for life
Housing material	Aluminium alloy, black anodised

Ratios

Ratio	Rated torque (N.m)	Peak torque (N.m)
3:1	68	136
4:1	85	170
5:1	85	170
7:1	85	170
10:1	64	128
15:1	85	170
20:1	85	170
25:1	85	170
35:1	85	170
50:1	85	170
70:1	85	170
100:1	64	128