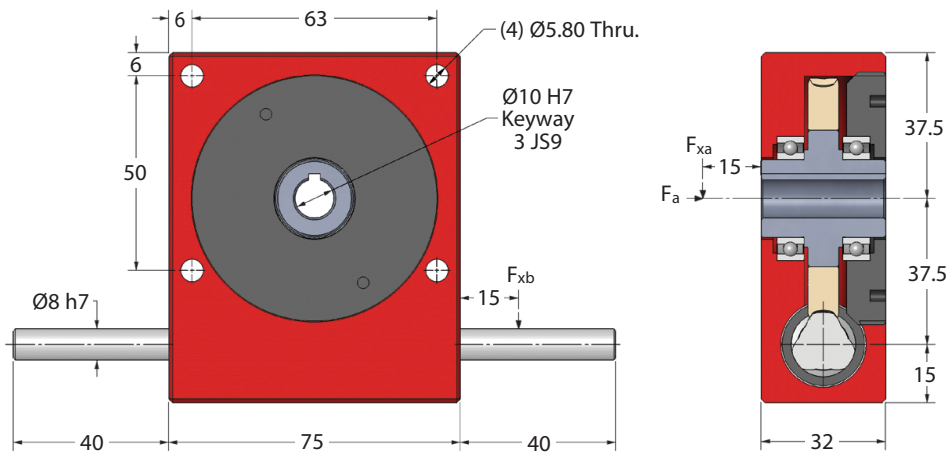
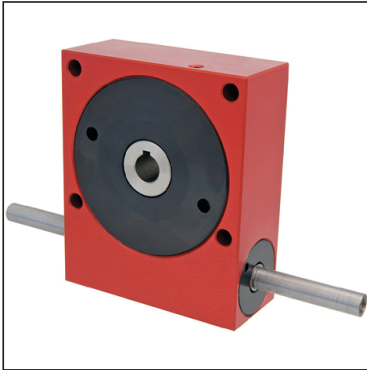


P40**e-cad**
Drawings
Available

GEARBOXES

Precision Worm Gear Reducers

Shaft Input 5 – 18 Nm **5:1 - 120:1**

Standard ≤30'	Part Number Low Backlash ≤8'	Red. Backlash ≤4'	Ratio	Efficiency at 1000 Rpm	Reflected Inertia at Input (kg.m ²)	Self Locking Output
P40-10	P40-10A	P40-10AR	10:1	89%	2.94×10^{-6}	✗
P40-12	P40-12A	P40-12AR	12:1	87%	2.69×10^{-6}	✗
P40-15	P40-15A	P40-15AR	15:1	85%	2.49×10^{-6}	✗
P40-20	P40-20A	P40-20AR	20:1	83%	2.33×10^{-6}	✗
P40-30	P40-30A	P40-30AR	30:1	76%	2.22×10^{-6}	✗
P40-60	P40-60A	P40-60AR	60:1	65%	2.15×10^{-6}	✓
P40-120	P40-120A	P40-120AR	120:1	41%	2.10×10^{-6}	✓
P40-SP	P40-SPA	P40-SPAR	5:1-120:1	Special Ratios : Replace SP with required ratio		

Accessories**P40-X**

Single Output Shafts

P40-DX

Double Output Shafts

KK3-20

Output Key

Weight: 0.92 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5. **F_{xb} at 1000 Rpm:** 10 kg. **F_{xa} at 1000 Rpm:** 30 kg. **F_a at 1000 Rpm:** 20 kg.**Input Shaft Modifications:**

Smaller Diameter, Mill Keyway/Flat, Shorten Shaft Length.

Circlip Groove, Pin Hole.

Testing in your application is necessary.

You will need to assess duty cycles and confirm suitability with your own calculations.

All figures listed are to be used for guidance only.

Output Torque Nm

Rpm	Reduction Ratio						
Input	10:1	12:1	15:1	20:1	30:1	60:1	120:1
3000	5.0	5.2	5.4	5.6	6.4	7.2	6.5
2000	5.5	5.8	6.2	6.6	7.3	8.0	7.2
1000	7.1	7.5	8.0	8.2	9.0	10.0	8.7
500	8.9	9.1	9.6	10.0	10.5	11.4	10.2
200	11.6	11.9	12.3	12.5	13.5	14.2	11.7
100	13.4	13.6	14.1	14.6	15.3	16.0	12.3
50	15.1	15.5	16.2	16.4	17.3	17.6	12.3
10	17.6	17.6	17.6	17.7	17.8	18.0	12.3