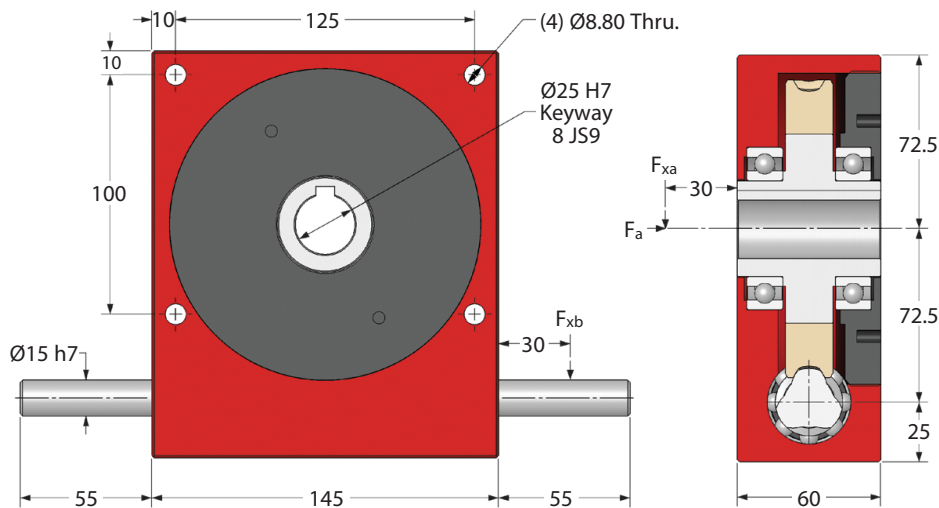


P70**e-cad**
Drawings
Available

GEARBOXES

Precision Worm Gear Reducers

Shaft Input 38 – 164 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
P70-10	P70-10A	P70-10AR	10:1	90%	6.04 x 10 ⁻⁵	✗
P70-12	P70-12A	P70-12AR	12:1	89%	5.03 x 10 ⁻⁵	✗
P70-15	P70-15A	P70-15AR	15:1	86%	4.21 x 10 ⁻⁵	✗
P70-20	P70-20A	P70-20AR	20:1	85%	3.57 x 10 ⁻⁵	✗
P70-30	P70-30A	P70-30AR	30:1	78%	3.11 x 10 ⁻⁵	✗
P70-60	P70-60A	P70-60AR	60:1	67%	2.84 x 10 ⁻⁵	✓
P70-120	P70-120A	P70-120AR	120:1	50%	2.48 x 10 ⁻⁵	✓
P70-SP	P70-SPA	P70-SPAR	5:1-120:1	Special Ratios : Replace SP with required ratio		

Accessories**P70-X**

Single Output Shafts

P70-DX

Double Output Shafts

KK8-7-40

Output Key

Weight: 6.40 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5.**F_{xb} at 1000 Rpm:** 20 kg. **F_{xa} at 1000 Rpm:** 80 kg. **F_a at 1000 Rpm:** 60 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 Input	Reduction Ratio						
	10:1	12:1	15:1	20:1	30:1	60:1	120:1
3000	38	40	42	45	50	56	38
2000	47	49	53	55	61	69	46
1000	61	65	67	71	73	83	55
500	77	81	83	87	91	100	66
200	99	101	105	107	113	121	77
100	115	119	121	123	129	133	86
50	129	133	137	139	144	146	90
10	160	160	160	164	164	164	90