

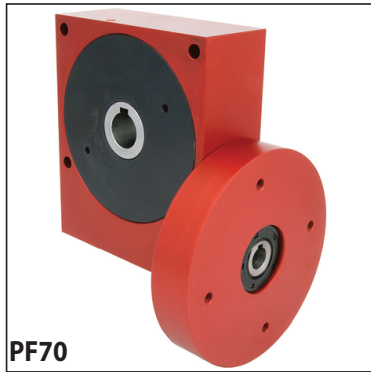
GEARBOXES

Precision Worm Gear Reducers

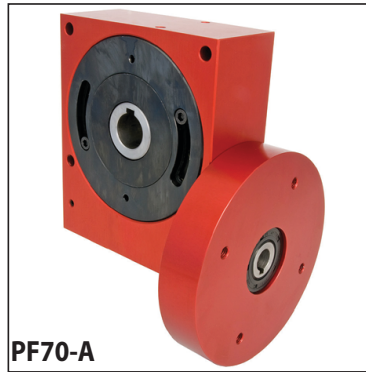
Flange Input 38 – 164 Nm **5:1 - 120:1**

e-cad
Drawings
Available

PF70

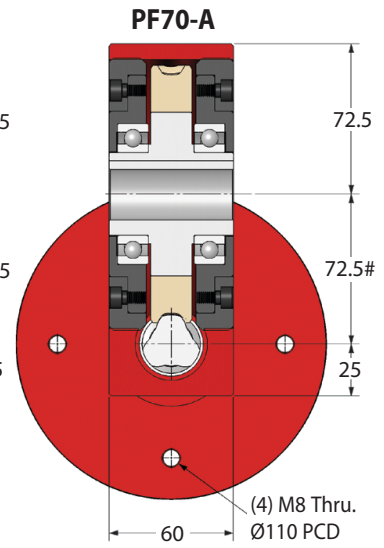
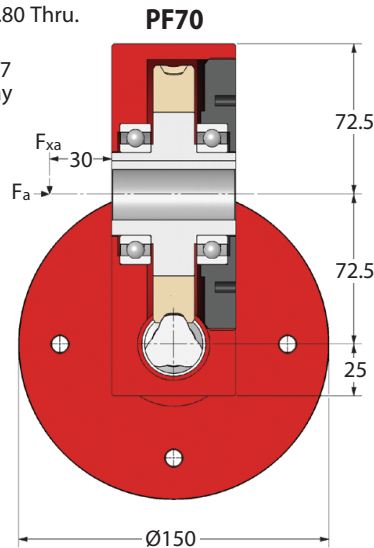
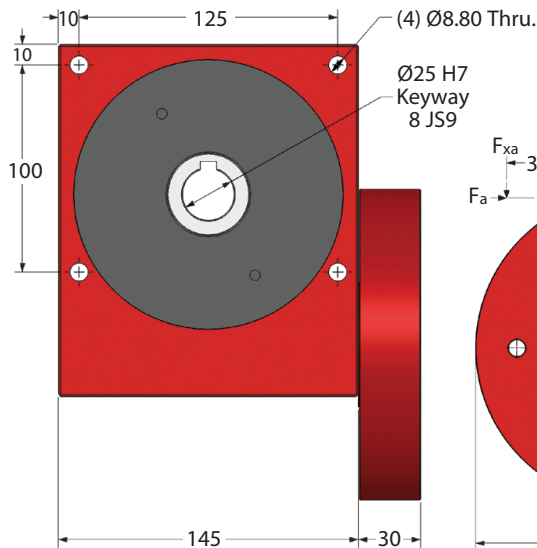
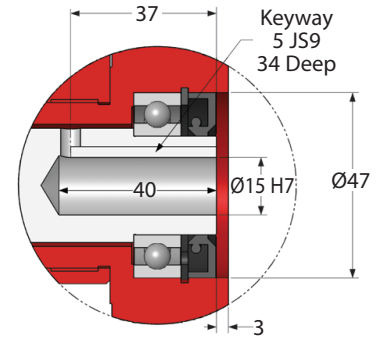


PF70



PF70-A

Input Detail



PF70A version (low backlash) output is on eccentric so centres will vary

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
PF70-10	PF70-10A	PF70-10AR	10:1	90%	4.81 x 10 ⁻⁵	✗
PF70-12	PF70-12A	PF70-12AR	12:1	89%	4.19 x 10 ⁻⁵	✗
PF70-15	PF70-15A	PF70-15AR	15:1	86%	3.70 x 10 ⁻⁵	✗
PF70-20	PF70-20A	PF70-20AR	20:1	85%	3.28 x 10 ⁻⁵	✗
PF70-30	PF70-30A	PF70-30AR	30:1	78%	3.00 x 10 ⁻⁵	✗
PF70-60	PF70-60A	PF70-60AR	60:1	67%	2.89 x 10 ⁻⁵	✓
PF70-120	PF70-120A	PF70-120AR	120:1	50%	2.76 x 10 ⁻⁵	✓
PF70-SP	PF70-SPA	PF70-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: 7.90 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5.

F_{xa} at 1000 Rpm: 80 kg. **F_a** at 1000 Rpm: 60 kg.

Tapped holes on input flange are not relative in position to the gearbox body and will alter from box to box. However, we can machine the tapped holes after assembly so they are relative in position to the gearbox body. This will affect delivery.

Motor Inputs also available.

Testing in your application is necessary.

You will need to assess duty cycles and confirm gearbox 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