

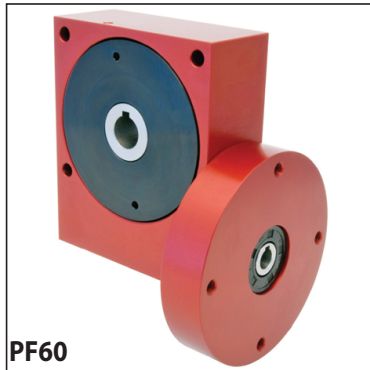
GEARBOXES

Precision Worm Gear Reducers

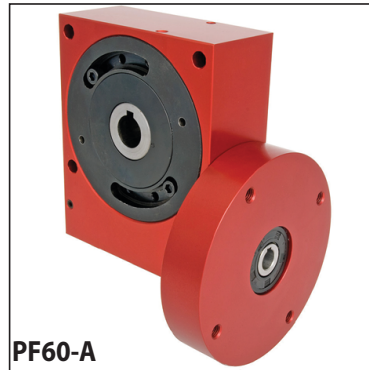
Flange Input 30 – 118 Nm **5:1 - 120:1**

e-cad
Drawings
Available

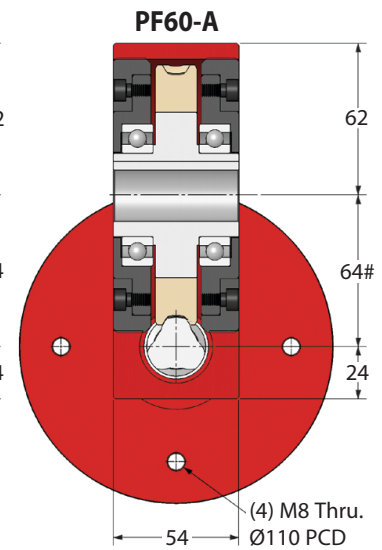
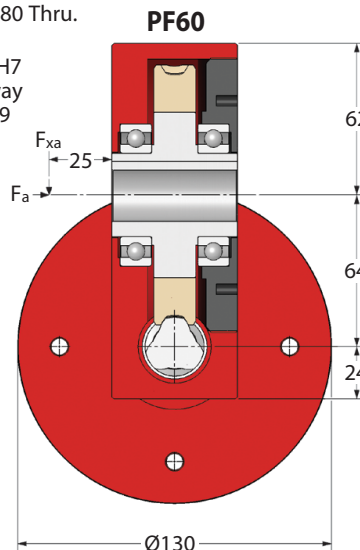
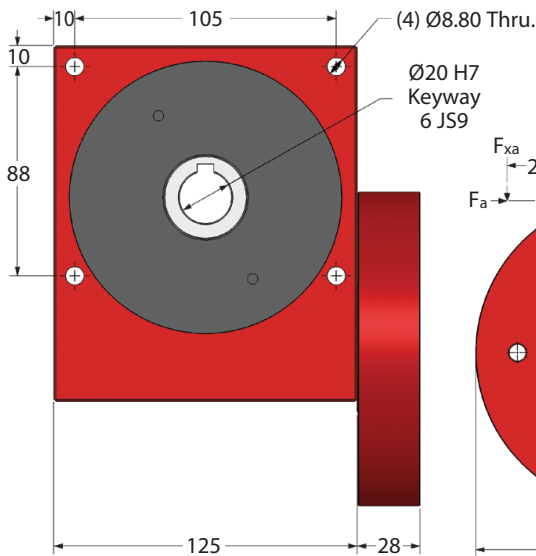
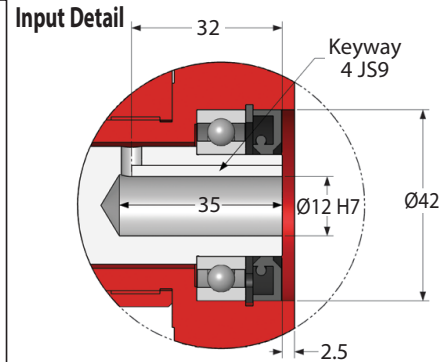
PF60



PF60



PF60-A



PF60A version (low backlash) output is on eccentric so centres will vary

Standard ≤30'	Part Number Low Backlash ≤8'	Part Number Red. Backlash ≤4'	Ratio	Efficiency at 1000 Rpm	Reflected Inertia at Input (kg.m ²)	Self Locking Output
PF60-10	PF60-10A	PF60-10AR	10:1	90%	3.80 x 10 ⁻⁵	✗
PF60-12	PF60-12A	PF60-12AR	12:1	89%	3.68 x 10 ⁻⁵	✗
PF60-15	PF60-15A	PF60-15AR	15:1	85%	3.14 x 10 ⁻⁵	✗
PF60-20	PF60-20A	PF60-20AR	20:1	85%	3.10 x 10 ⁻⁵	✗
PF60-30	PF60-30A	PF60-30AR	30:1	78%	2.88 x 10 ⁻⁵	✗
PF60-60	PF60-60A	PF60-60AR	60:1	68%	2.82 x 10 ⁻⁵	✓
PF60-120	PF60-120A	PF60-120AR	120:1	45%	2.79 x 10 ⁻⁵	✓
PF60-SP	PF60-SPA	PF60-SPAR	5:1-120:1	Special Ratios : Replace SP with required ratio		

Accessories

P60-X

Single Output Shafts

P60-DX

Double Output Shafts

KK6-30

Output Key

Weight: 5.10 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5.
F_{xa} at 1000 Rpm: 70 kg. **F_a at 1000 Rpm:** 50 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	30	31	33	35	38	44	27
2000	33	36	39	41	44	50	32
1000	45	47	50	54	58	64	39
500	58	60	62	65	69	73	47
200	77	78	80	84	88	94	55
100	88	89	91	94	97	105	61
50	100	102	104	105	107	110	66
10	113	114	115	116	116	118	66