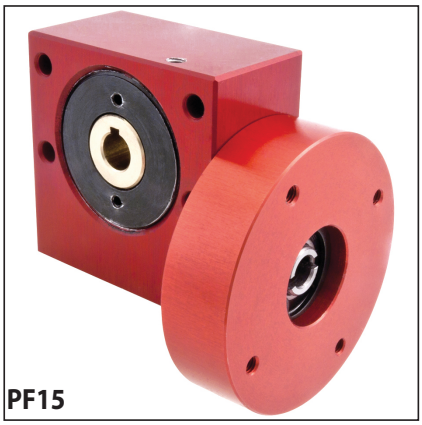
PF15

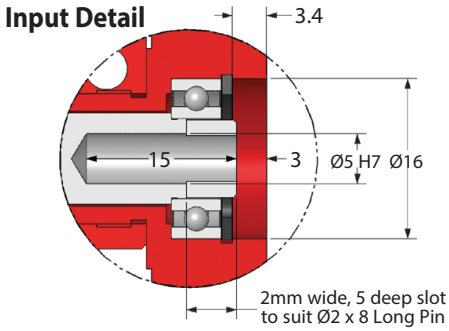
e-cad Drawings Available

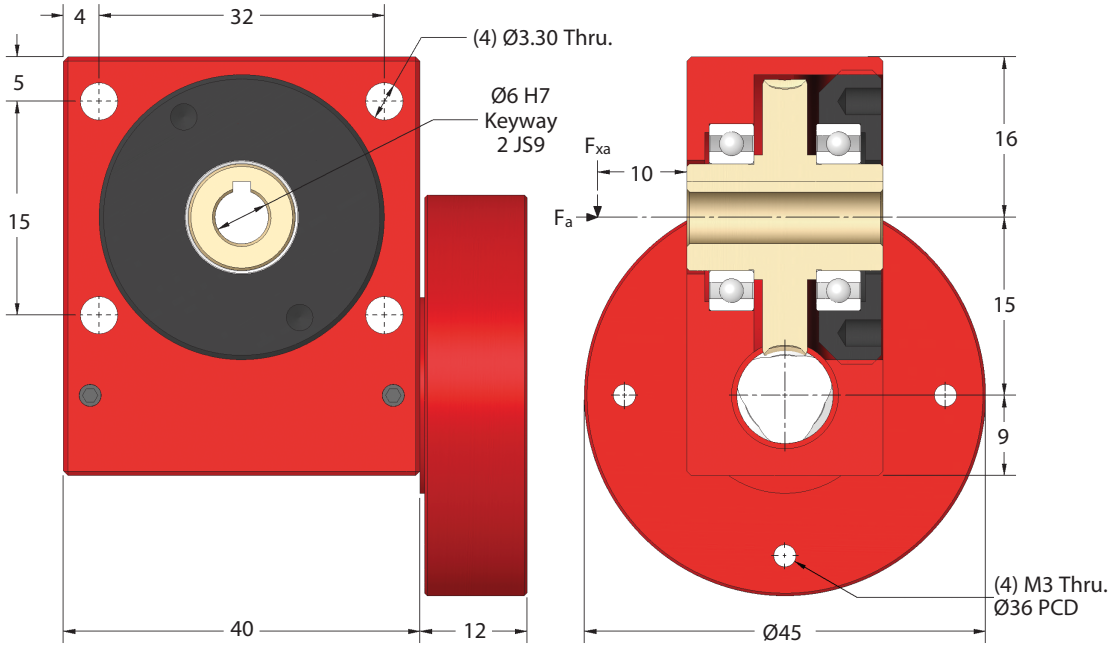
GEARBOXES

Precision Worm Gear Reducers

Flange Input 0.94 – 3.75 Nm ***6.66:1 - 80:1***







Part Number Standard ≤30'	Low Backlash ≤8'	Red. Backlash ≤4'	Ratio	Efficiency at 1000 Rpm	Reflected Inertia at Input ($kg.m^2$)	Self Locking Output
PF15-6	**PF15-6A**	**PF15-6AR**	6.66:1	86%	1.79×10^{-7}	✖
PF15-8	**PF15-8A**	**PF15-8AR**	8:1	85%	1.73×10^{-7}	✖
PF15-10	**PF15-10A**	**PF15-10AR**	10:1	84%	1.68×10^{-7}	✖
PF15-13	**PF15-13A**	**PF15-13AR**	13.33:1	78%	1.65×10^{-7}	✖
PF15-20	**PF15-20A**	**PF15-20AR**	20:1	71%	1.62×10^{-7}	✖
PF15-40	**PF15-40A**	**PF15-40AR**	40:1	60%	1.61×10^{-7}	✖
PF15-80	**PF15-80A**	**PF15-80AR**	80:1	32%	1.60×10^{-7}	✖

Accessories	
P20-X	Single Output Shafts
P20-DX	Double Output Shafts
KK2-20	Output Key

Weight: 0.21 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5.
F_{xa} at 1000 Rpm: 8 kg. **F_a at 1000 Rpm:** 3 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 6.66:1	8:1	10:1	13.33:1	20:1	40:1	80:1
3000	1.05	1.13	1.20	1.28	1.43	1.58	0.94
2000	1.28	1.28	1.35	1.35	1.58	1.80	1.07
1000	1.58	1.73	1.73	1.88	2.03	2.18	1.28
500	2.03	2.03	2.10	2.18	2.40	2.63	1.46
200	2.55	2.63	2.63	2.78	2.93	3.08	1.70
100	2.93	2.93	3.08	3.15	3.23	3.38	1.91
50	3.30	3.38	3.38	3.45	3.53	3.60	2.04
10	3.60	3.60	3.68	3.68	3.75	3.75	2.04

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