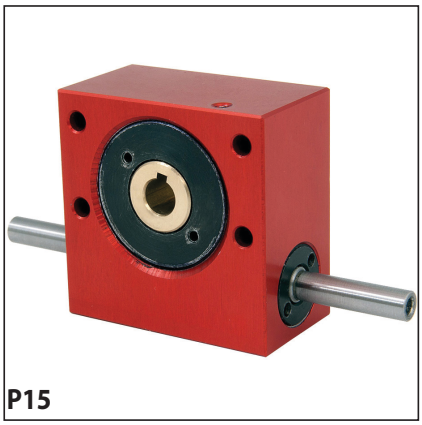
P15

e-cad Drawings Available

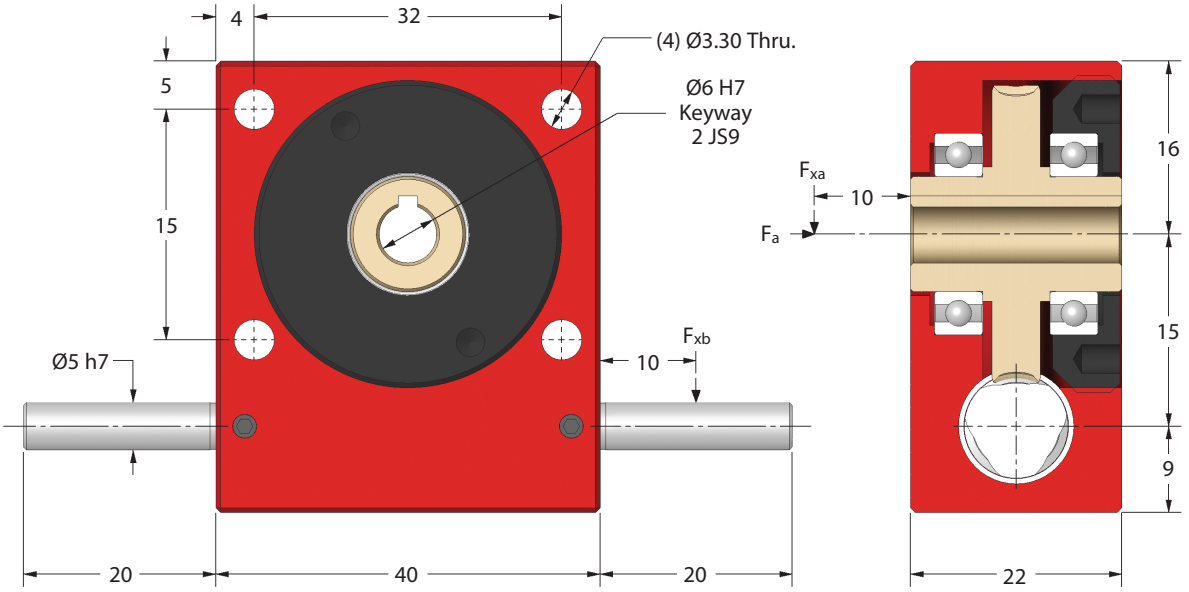
GEARBOXES

Precision Worm Gear Reducers

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



P15



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
P15-6	**P15-6A**	**P15-6AR**	6.66:1	86%	1.79×10^{-7}	✖
P15-8	**P15-8A**	**P15-8AR**	8:1	85%	1.73×10^{-7}	✖
P15-10	**P15-10A**	**P15-10AR**	10:1	84%	1.68×10^{-7}	✖
P15-13	**P15-13A**	**P15-13AR**	13.33:1	78%	1.65×10^{-7}	✖
P15-20	**P15-20A**	**P15-20AR**	20:1	71%	1.62×10^{-7}	✖
P15-40	**P15-40A**	**P15-40AR**	40:1	60%	1.61×10^{-7}	✖
P15-80	**P15-80A**	**P15-80AR**	80:1	32%	1.60×10^{-7}	✖

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

Weight: 0.15 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5.
F_{xb} at 1000 Rpm: 4 kg. **F_{xa} at 1000 Rpm:** 8 kg. **F_a at 1000 Rpm:** 3 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 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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