

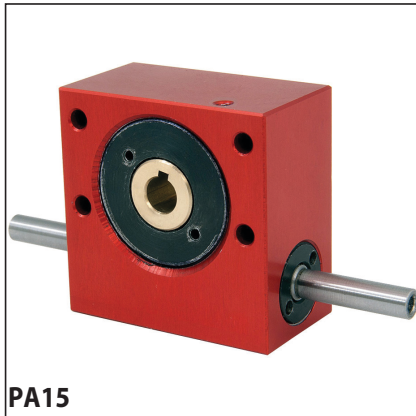
GEARBOXES

Precision Worm Gear Reducers

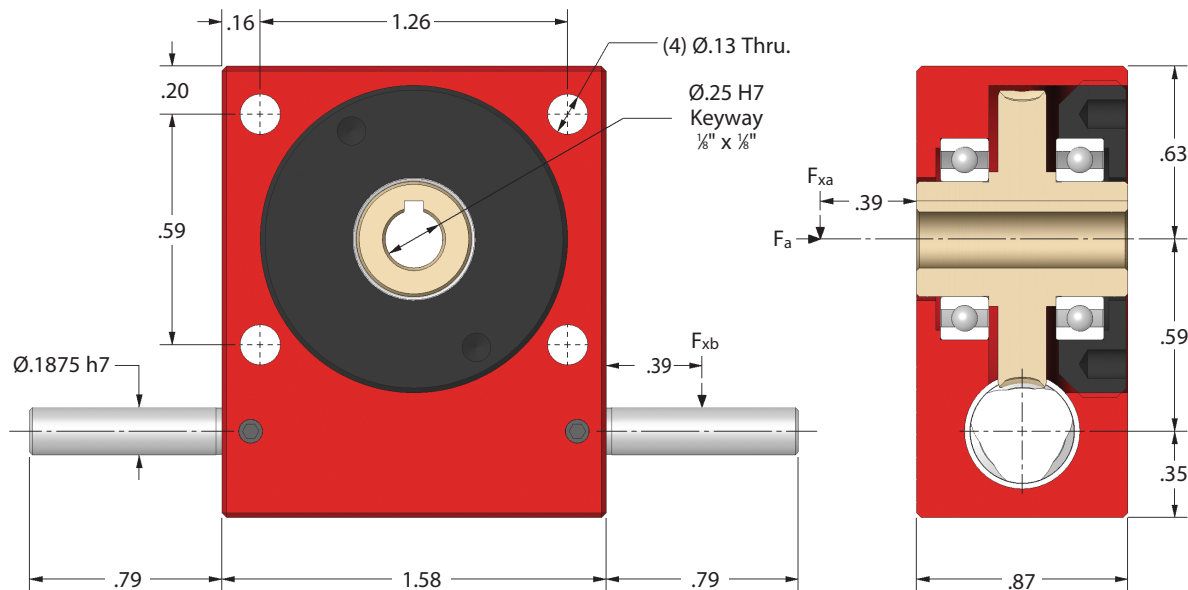
Shaft Input 8.3 – 33.2 lbf.in **6.66:1 - 80:1**

e-cad
Drawings
Available

PA15



PA15



Standard	Part Number	Low Backlash	Red. Backlash	Ratio	Efficiency at 1000 Rpm	Reflected Inertia at Input (lb.in ²)	Self Locking Output
≤30'	≤8'	≤4'					
PA15-6	PA15-6A	PA15-6AR		6.66:1	86%	6.12 x 10 ⁻⁴	✗
PA15-8	PA15-8A	PA15-8AR		8:1	85%	5.91 x 10 ⁻⁴	✗
PA15-10	PA15-10A	PA15-10AR		10:1	84%	5.74 x 10 ⁻⁴	✗
PA15-13	PA15-13A	PA15-13AR		13.33:1	78%	5.64 x 10 ⁻⁴	✗
PA15-20	PA15-20A	PA15-20AR		20:1	71%	5.54 x 10 ⁻⁴	✗
PA15-40	PA15-40A	PA15-40AR		40:1	60%	5.50 x 10 ⁻⁴	✗
PA15-80	PA15-80A	PA15-80AR		80:1	32%	5.47 x 10 ⁻⁴	✗

Weight: 0.33 lb. Greased for Life: Shell Gadus S5 V42P 2.5.
F_{xb} at 1000 Rpm: 8.81 lb. F_{xa} at 1000 Rpm: 17.64 lb. F_a at 1000 Rpm: 6.61 lb.

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 lbf.in

Rpm Input	Reduction Ratio						
	6.66:1	8:1	10:1	13.33:1	20:1	40:1	80:1
3000	9.3	10.0	10.6	11.3	12.7	14.0	8.3
2000	11.3	11.3	11.9	11.9	14.0	15.9	9.5
1000	14.0	15.3	15.3	16.6	18.0	19.3	11.3
500	18.0	18.0	18.6	19.3	21.2	23.3	12.9
200	22.6	23.3	23.3	24.6	25.9	27.3	15.0
100	25.9	25.9	27.3	27.9	28.6	29.9	16.9
50	29.2	29.9	29.9	30.5	31.2	31.9	18.1
10	31.9	31.9	32.6	32.6	33.2	33.2	18.1