

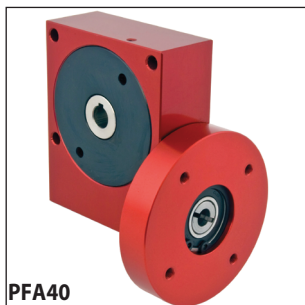
GEARBOXES

Precision Worm Gear Reducers

Flange Input 44.3 – 159.3 lbf.in **5:1 - 120:1**

e-cad
Drawings
Available

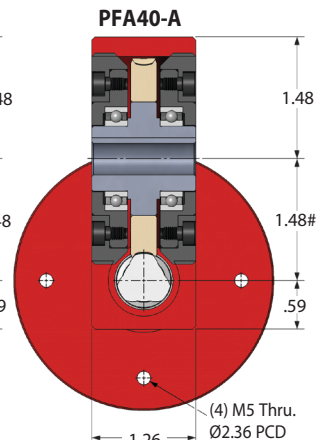
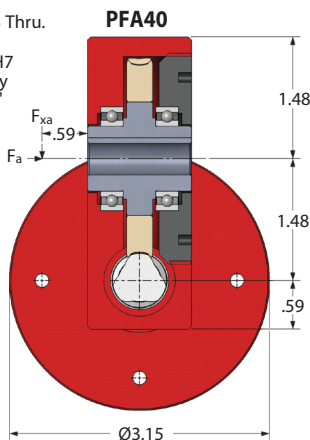
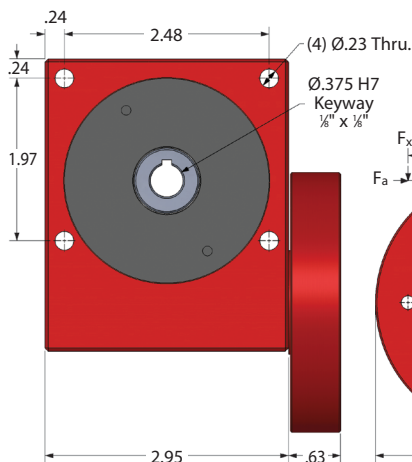
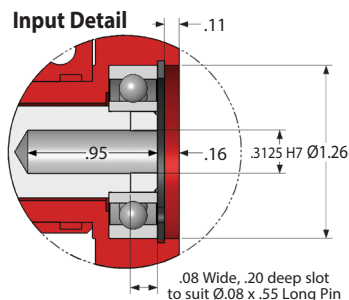
PFA40



PFA40



PFA40-A



PFA40A 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 (lb.in ²)	Self Locking Output
PFA40-10	PFA40-10A	PFA40-10AR	10:1	89%	1.29 x 10 ⁻²	✗
PFA40-12	PFA40-12A	PFA40-12AR	12:1	87%	1.24 x 10 ⁻²	✗
PFA40-15	PFA40-15A	PFA40-15AR	15:1	85%	1.19 x 10 ⁻²	✗
PFA40-20	PFA40-20A	PFA40-20AR	20:1	83%	1.16 x 10 ⁻²	✗
PFA40-30	PFA40-30A	PFA40-30AR	30:1	76%	1.13 x 10 ⁻²	✗
PFA40-60	PFA40-60A	PFA40-60AR	60:1	65%	1.12 x 10 ⁻²	✓
PFA40-120	PFA40-120A	PFA40-120AR	120:1	41%	1.11 x 10 ⁻²	✓
PFA40-SP	PFA40-SPA	PFA40-SPAR	5:1-120:1	Special Ratios : Replace SP with required ratio		

Weight: 2.53 lb. **Greased for Life:** Shell Gadus S5 V42P 2.5.

F_{in} at 1000 Rpm: 66.14 lb. **F_a at 1000 Rpm:** 44.09 lb.

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 lbf.in

Rpm Input	Reduction Ratio						
	10:1	12:1	15:1	20:1	30:1	60:1	120:1
3000	44.3	46.0	47.8	49.6	56.6	63.7	57.5
2000	48.7	51.3	54.9	58.4	64.6	70.8	63.7
1000	62.8	66.4	70.8	72.6	79.7	88.5	77.0
500	78.8	80.5	85.0	88.5	92.9	100.9	90.3
200	102.7	105.3	108.9	110.6	119.5	125.7	103.6
100	118.6	120.4	124.8	129.2	135.4	141.6	108.9
50	133.6	137.2	143.4	145.2	153.1	155.8	108.9
10	155.8	155.8	155.8	156.7	157.5	159.3	108.9