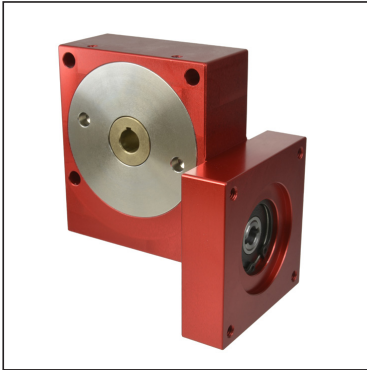
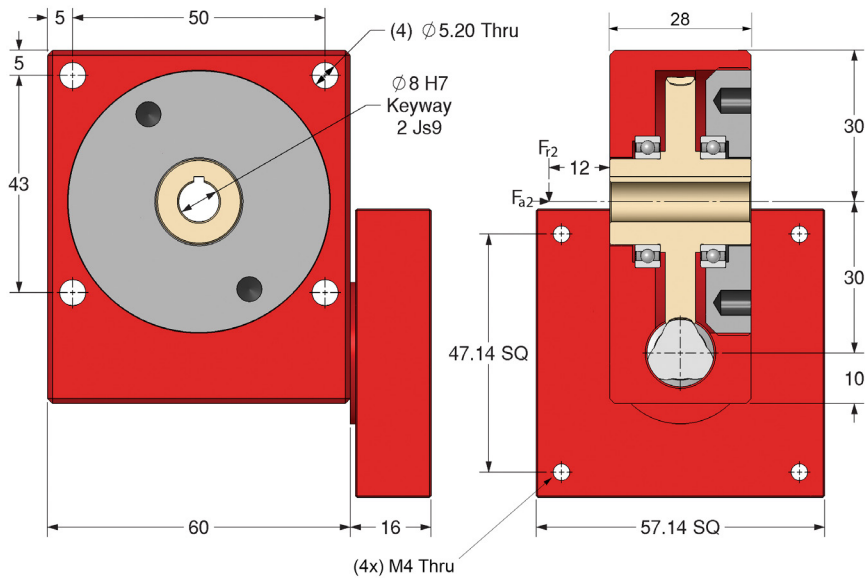
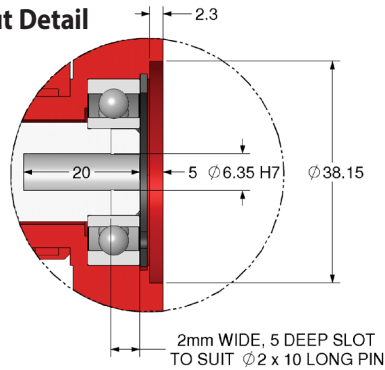


PF30NM**e-cad**
Drawings
Available

GEARBOXES

Precision Worm Gear Reducers

Nema 23 Flange Input 2.5 – 8.8 Nm **5:1 - 120:1****Input Detail**

Standard ≤30'	Low Backlash ≤8'	Red. Backlash ≤4'	Ratio	Efficiency at 1000 Rpm	Reflected Inertia at Input (kg.m ²)	Self Locking Output
PF30-10NM	PF30-10ANM	PF30-10ARNM	10:1	90%	1.00 x 10 ⁻⁶	✗
PF30-12NM	PF30-12ANM	PF30-12ARNM	12:1	88%	9.25 x 10 ⁻⁷	✗
PF30-15NM	PF30-15ANM	PF30-15ARNM	15:1	86%	8.62 x 10 ⁻⁷	✗
PF30-20NM	PF30-20ANM	PF30-20ARNM	20:1	84%	8.13 x 10 ⁻⁷	✗
PF30-30NM	PF30-30ANM	PF30-30ARNM	30:1	78%	7.88 x 10 ⁻⁷	✗
PF30-60NM	PF30-60ANM	PF30-60ARNM	60:1	70%	7.67 x 10 ⁻⁷	✓
PF30-120NM	PF30-120ANM	PF30-120ARNM	120:1	40%	7.42 x 10 ⁻⁷	✓
PF30-SPNM	PF30-SPANM	PF30-SPARNM	5:1-120:1	Special Ratios : Replace SP with required ratio		

Accessories**P30-X**

Single Output Shafts

P30-DX

Double Output Shafts

KK2-20

Output Key

Weight: 0.59 kg. **Greased for Life:** Shell Gadus S5 V42P 2.5.
F_{xa} at 1000 Rpm: 20 kg. **F_a at 1000 Rpm:** 12 kg.

Modifications and custom designed gearboxes available. Contact Sales for details.
 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						
	10:1	12:1	15:1	20:1	30:1	60:1	120:1
3000	2.5	2.5	2.6	2.7	3.0	3.5	3.4
2000	2.8	2.9	3.0	3.2	3.6	4.1	3.7
1000	3.5	3.7	4.0	4.2	4.5	5.0	4.6
500	4.6	4.7	4.9	5.1	5.3	5.8	5.4
200	5.4	5.6	5.7	5.9	6.2	6.6	6.4
100	6.0	6.0	6.5	6.5	7.0	7.5	6.7
50	7.5	7.8	8.0	8.3	8.3	8.6	6.7
10	8.0	8.0	8.3	8.5	8.5	8.8	6.7

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