

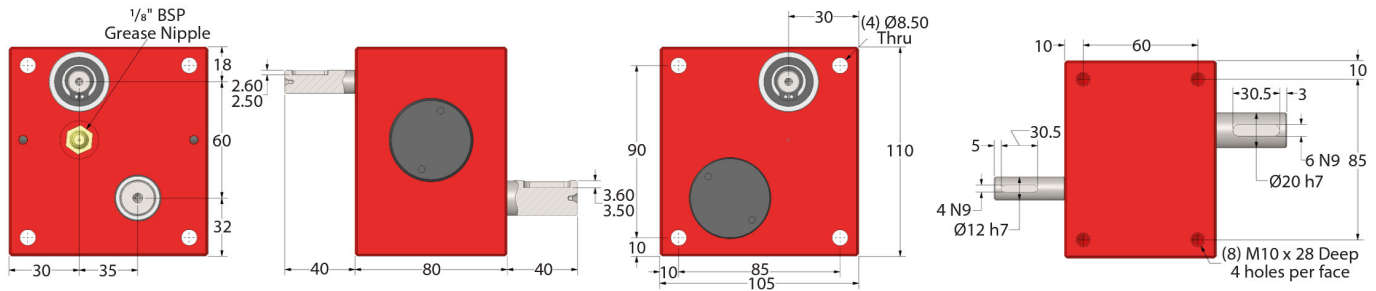
PP60

# GEARBOXES

## Double Reduction Worm Gear Reducers

17.8 – 34 Nm **25:1 - 900:1**

PP60



Part Number	Ratio	Max Input Rpm	Max Output Rpm	Efficiency at 1000 Rpm	Self Locking Output
<b>PP60-100</b>	100:1	3000	30.00	55%	✗
<b>PP60-200</b>	200:1	3000	15.00	50%	✗
<b>PP60-400</b>	400:1	3000	7.50	37%	✓
<b>PP60-SP</b>	25:1 - 900:1	Special Ratios : Replace <b>SP</b> with required ratio			

Weight: 3.30 kg. Backlash:  $\approx 2^\circ$ . Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Input Speed: 3,000 Rpm (short term).

Self Locking Output: Subject to ratio and only applies in static condition.

Amount of locking effect may vary due to manufacturing processes.

Max. Overhung and Thrust Loads at 1000 Rpm:

Input Overhung Load ( $F_{xb}$ ) = 15 kg.

Output Overhung Load ( $F_{xa}$ ) = 45 kg. Output Thrust Load ( $F_a$ ) = 35 kg.

Output Keys: KK4-30, KK6-30.

Standard Shaft Rotation Direction is Opposite.

Same direction available at SP Price.

Testing in your application is necessary.

You will need to assess duty cycles and confirm suitability with your own calculations.

### Output Torque Nm

RPM Input	Reduction Ratio		
	100:1	200:1	400:1
<b>3000</b>	17.8	19.4	22.5
<b>2000</b>	20.0	21.6	24.8
<b>1000</b>	22.5	25.0	26.8
<b>500</b>	26.1	28.0	31.6
<b>100</b>	30.5	32.0	34.0
<b>50</b>	33.0	34.0	34.0
<b>10</b>	34.0	34.0	34.0

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