

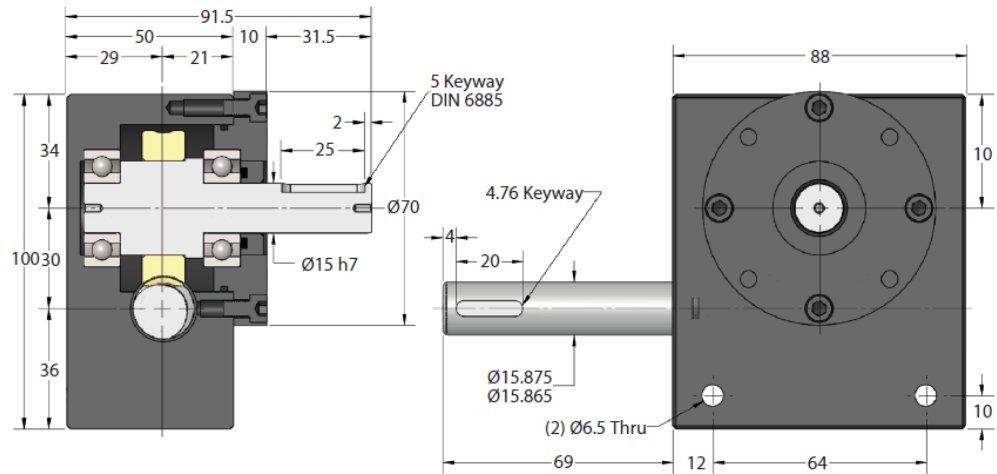
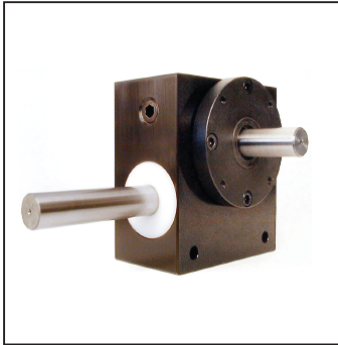
BP50

GEARBOXES

BP50

Precision Worm Gear Reducers

Shaft Input & Output 6.6 – 27.5 Nm **9.67:1 - 60:1**



Part Number	Ratio	Worm Helix Angle	No. of Starts in Worm	Max. Input Speed	Max. Output Speed	Efficiency at 1500 RPM
BP50-10	9.67:1	15°48'	3	3,000	140	75%
BP50-15	14.50:1	10°41'	2	3,000	175	70%
BP50-29	29.00:1	5°23'	1	3,000	190	65%
BP50-SP	9.67:1	Special Ratios : Replace SP with required ratio				

Case: Aluminum. **Worm:** Alloy Steel 655M13(EN36 Hardened). **Wheel:** Quality Aluminum Bronze (CA104).
Greased for Life: Shell Gadus S5 V42P 2.5.

Weight: 3 kg. **Backlash:** ≈0°30'.
Max. Input Speed: 3,000 Rpm (short term).

Output Key: KK5-25.
 Supplied without feet as standard.
 LH Wormwheels are standard. RH available at BP50-SP price.

Output Torque Nm

Rpm Input	Reduction Ratio		
	9.67:1	14.5:1	29:1
3000	6.6	7.2	8.3
2000	7.6	8.6	10.0
1000	10.0	11.3	12.8
500	12.8	14.0	15.5
200	16.5	17.8	19.0
100	19.0	20.4	21.4
50	21.2	22.5	23.8
10	27.4	27.5	27.5

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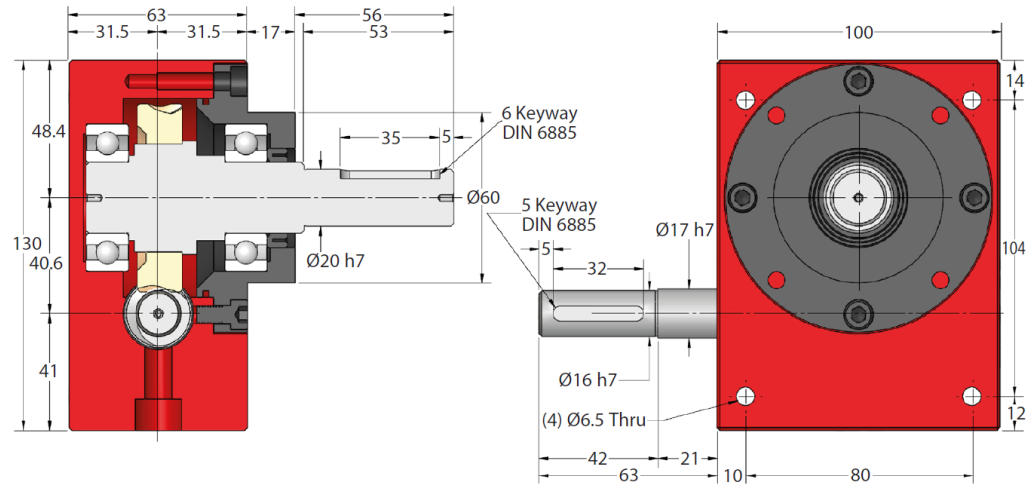
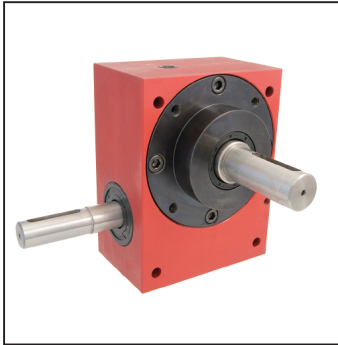
BP60

GEARBOXES

BP60

Precision Worm Gear Reducers

Shaft Input & Output 22.1 – 83 Nm **10:1 - 60:1**



Part Number	Ratio	Worm Helix Angle	No. of Starts in Worm	Max. Input Speed	Max. Output Speed	Efficiency at 1500 RPM
BP60-15	14.33:1	15°48'	3	3,000	209	85%
BP60-21	21.50:1	10°41'	2	3,000	139	81%
BP60-20	31.00:1	5°23'	1	3,000	190	73%
BP60-43	29.00:1	5°23'	1	3,000	69	65%
BP60-SP	10:1 - 60:1	Special Ratios : Replace SP with required ratio				

Case: Aluminum. **Worm:** Alloy Steel 655M13(EN36 Hardened). **Wheel:** Quality Aluminum Bronze (CA104). Greased for Life: Shell Gadus S5 V42P 2.5.

Weight: 5.6 kg. **Backlash:** ≈0°30'.
Max. Input Speed: 3,000 Rpm (short term).

Output Keys: KK5-32, KK6-32.
 Supplied without feet as standard.
 LH Wormwheels are standard. RH available at BP60-SP price.

Rpm Input	Reduction Ratio			
	14.33:1	21.5:1	31:1	43:1
3000	22.1	24.0	27.5	28.0
2000	24.4	27.5	30.8	35.1
1000	28.5	36.0	40.2	44.3
500	41.8	44.0	49.5	54.0
200	52.0	53.5	58.0	62.0
100	60.0	61.0	65.2	69.5
50	69.0	69.0	71.5	72.2
10	82.0	82.0	83.0	83.0

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