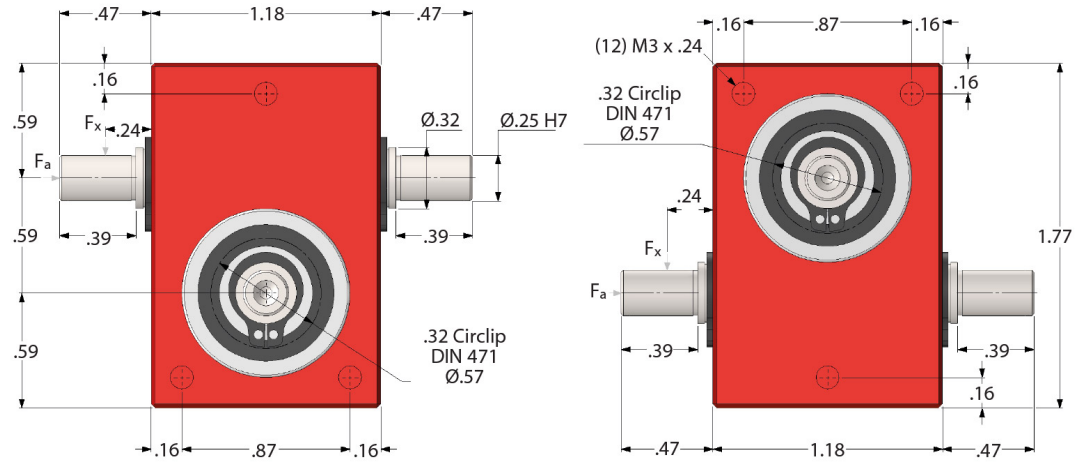
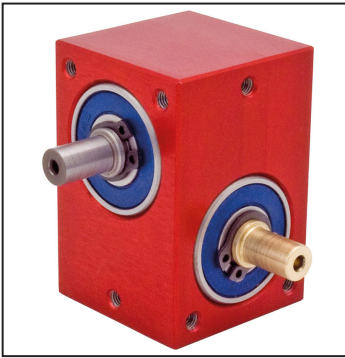


EA15

GEARBOXES

EA15

Right Angle Helical Reducers

Heavy Duty 0.25 Dia. Shafts 3.5 – 22.4 lbf.in **1:1 - 40:1**

Part Number	Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Reflected Inertia at Input (lb.in ²)	Self Locking Output
EA15-1	1:1	Helical	A	88%	4,000	1.29×10^{-2}	✗
EA15-2	2:1	Helical	A	86%	4,000	8.03×10^{-3}	✗
EA15-3	3:1	Helical	A	85%	4,000	6.87×10^{-3}	✗
EA15-4	4:1	Helical	A	84%	4,000	6.79×10^{-3}	✗
EA15-5	5:1	Helical	A	80%	4,000	5.28×10^{-3}	✗
EA15-8	8:1	Wormwheel	A	80%	2,000	5.54×10^{-3}	✗
EA15-10	10:1	Wormwheel	A	73%	2,000	5.50×10^{-3}	✗
EA15-20	20:1	Wormwheel	A	67%	2,000	5.44×10^{-3}	✓
EA15-40	40:1	Wormwheel	A	60%	2,000	5.43×10^{-3}	✓
EA15-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio					
EA15-SPA	1:1 - 40:1	Low Backlash $\leq 30'$: Replace SP with required ratio					
EA15-SPLH	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio					

Weight: 0.56 lb. Greased for Life: Shell Gadus S2 V220AD 2.

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

Amount of locking effect may vary due to manufacturing processes.

Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 33.07 lb.Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 22.05 lb.Standard Backlash: $\approx 1^\circ$.

Special shaft sizes and other modifications are available.

Please contact Technical Sales department.

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	Reduction Ratio								
Input	1:1	2:1	3:1	4:1	5:1	8:1	10:1	20:1	40:1
3000	3.5	3.5	3.5	3.5	3.5	-	-	-	-
2000	4.1	4.1	4.1	4.1	4.1	6.1	7.0	8.0	8.9
1000	5.8	5.8	5.8	5.8	5.8	7.6	8.6	9.6	10.5
500	8.1	8.1	8.1	8.1	8.1	11.2	12.1	13.0	13.8
100	10.5	10.5	10.5	10.5	10.5	15.2	15.8	16.6	17.3
50	11.1	11.1	11.1	11.1	11.1	17.3	18.3	19.3	19.8
10	11.7	11.7	11.7	11.7	11.7	21.2	21.6	22.2	22.4

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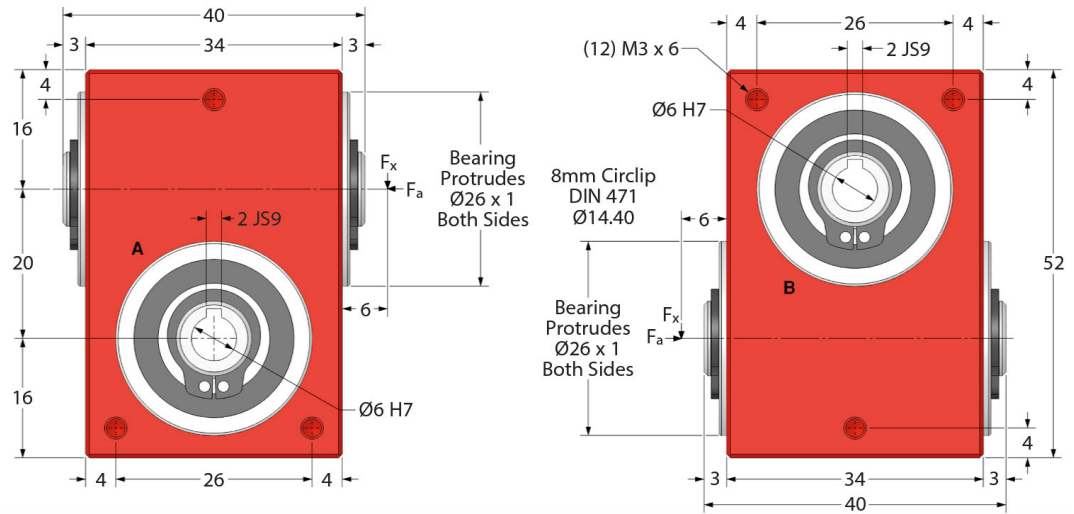
E20

GEARBOXES

E20

Right Angle Helical Reducers

Heavy Duty 6mm Bores 0.6 – 3.84 Nm **1:1 - 40:1**



Part Number	Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Reflected Inertia at Input (kg.m ²) Self	Self Locking Output
E20-1	1:1	Helical	A	88%	4,000	3.762 x 10 ⁻⁶	✗
E20-2	2:1	Helical	A	86%	4,000	2.349 x 10 ⁻⁶	✗
E20-3	3:1	Helical	A	85%	4,000	2.011 x 10 ⁻⁶	✗
E20-4	4:1	Helical	A	84%	4,000	1.986 x 10 ⁻⁶	✗
E20-5	5:1	Helical	A	80%	4,000	1.544 x 10 ⁻⁶	✗
E20-8	8:1	Wormwheel	A	80%	2,000	1.622 x 10 ⁻⁶	✗
E20-10	10:1	Wormwheel	A	73%	2,000	1.609 x 10 ⁻⁶	✗
E20-20	20:1	Wormwheel	A	67%	2,000	1.593 x 10 ⁻⁶	✓
E20-40	40:1	Wormwheel	A	60%	2,000	1.589 x 10 ⁻⁶	✓
E20-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio					
E20-SPA	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio					
E20-SPLH	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio					

Weight: 0.255 kg. Greased for Life: Shell Gadus S2 V220AD 2.
 Self Locking Output: Subject to ratio and only applies in static condition.
 Amount of locking effect may vary due to manufacturing processes.
 Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 15 kg.
 Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 10 kg.
 Standard Backlash: ≈1°.

Special shaft sizes and other modifications are available.
 Please contact Technical Sales department.

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 Nm

RPM Input	Reduction Ratio								
	1:1	2:1	3:1	4:1	5:1	8:1	10:1	20:1	40:1
3000	0.60	0.60	0.60	0.60	0.60	-	-	-	-
2000	0.70	0.70	0.70	0.70	0.70	1.05	1.20	1.36	1.52
1000	1.00	1.00	1.00	1.00	1.00	1.31	1.47	1.63	1.80
500	1.40	1.40	1.40	1.40	1.40	1.93	2.08	2.22	2.37
100	1.80	1.80	1.80	1.80	1.80	2.60	2.70	2.83	2.95
50	1.90	1.90	1.90	1.90	1.90	2.95	3.13	3.31	3.40
10	2.00	2.00	2.00	2.00	2.00	3.62	3.70	3.80	3.84

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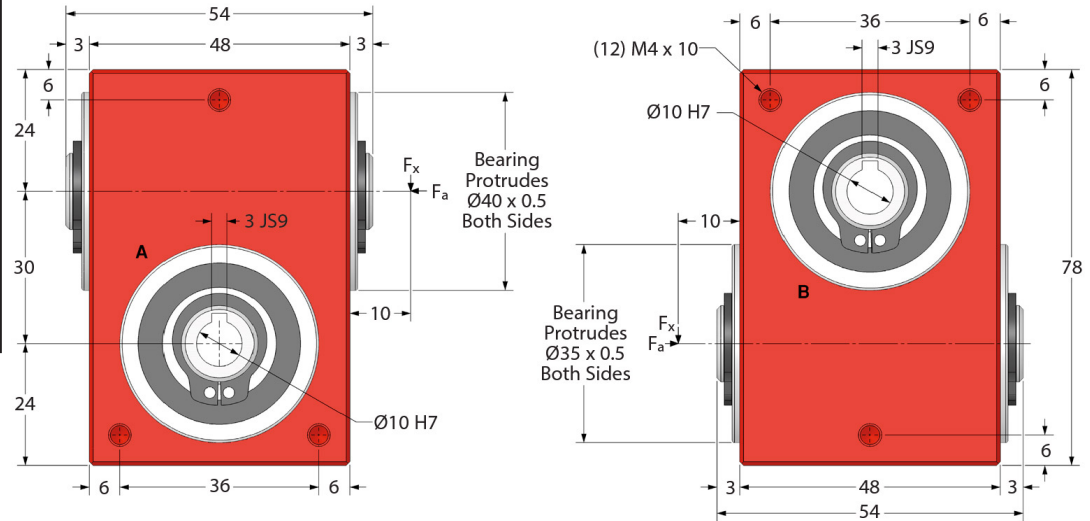
E30

GEARBOXES

E30

Right Angle Helical Reducers

Heavy Duty 10mm Bores 1.5 – 9 Nm **1:1 - 40:1**



Part Number	Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Reflected Inertia at Input (kg.m ²)	Self Locking Output
E30-1	1:1	Helical	B	90%	4,000	2.867 x 10 ⁻⁵	✗
E30-2	2:1	Helical	A	88%	4,000	1.362 x 10 ⁻⁵	✗
E30-3	3:1	Helical	A	87%	4,000	1.071 x 10 ⁻⁵	✗
E30-4	4:1	Helical	A	86%	4,000	1.032 x 10 ⁻⁵	✗
E30-5	5:1	Helical	A	80%	4,000	9.372 x 10 ⁻⁶	✗
E30-8	8:1	Wormwheel	A	80%	1,500	1.115 x 10 ⁻⁵	✗
E30-10	10:1	Wormwheel	A	73%	1,500	1.106 x 10 ⁻⁵	✗
E30-20	20:1	Wormwheel	A	67%	1,500	1.094 x 10 ⁻⁵	✓
E30-40	40:1	Wormwheel	A	60%	1,500	1.091 x 10 ⁻⁵	✓
E30-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio					
E30-SPA	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio					
E30-SPLH	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio					

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 Nm

RPM Input	Reduction Ratio								
	1:1	2:1	3:1	4:1	5:1	8:1	10:1	20:1	40:1
3000	1.5	1.5	1.5	1.5	1.5	-	-	-	-
2000	2.0	2.0	2.0	2.0	2.0	-	-	-	-
1000	2.5	2.5	2.5	2.5	2.5	3.6	4.2	4.7	5.0
500	3.0	3.0	3.0	3.0	3.0	4.9	5.3	5.6	6.0
100	4.0	4.0	4.0	4.0	4.0	6.5	7.0	7.1	7.3
50	4.5	4.5	4.5	4.5	4.5	7.9	8.4	8.5	8.6
10	5.0	5.0	5.0	5.0	5.0	8.5	8.7	8.9	9.0

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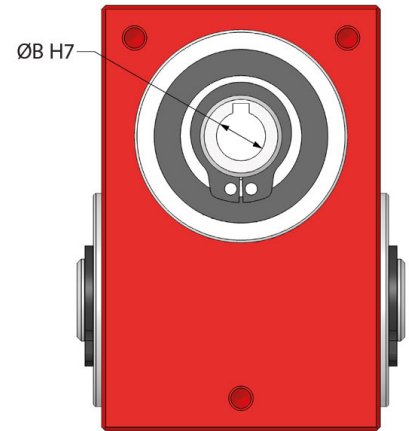
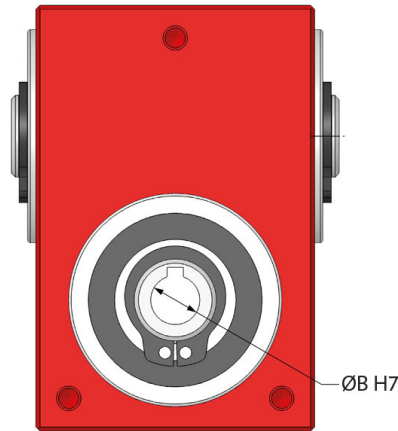
E30

GEARBOXES

E30

Right Angle Helical Reducers

Heavy Duty 8 & 9mm Bores 1.5 – 9 Nm **1:1 - 40:1**



Part Number		Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Self Locking Output
ØB = 8mm	ØB = 9mm						
E30-1-8	E30-1-9	1:1	Helical	B	90%	4,000	✗
E30-2-8	E30-2-9	2:1	Helical	A	88%	4,000	✗
E30-3-8	E30-3-9	3:1	Helical	A	87%	4,000	✗
E30-4-8	E30-4-9	4:1	Helical	A	86%	4,000	✗
E30-5-8	E30-5-9	5:1	Helical	A	80%	4,000	✗
E30-8-8	E30-8-9	8:1	Wormwheel	A	80%	1,500	✗
E30-10-8	E30-10-9	10:1	Wormwheel	A	73%	1,500	✗
E30-20-8	E30-20-9	20:1	Wormwheel	A	67%	1,500	✓
E30-40-8	E30-40-9	40:1	Wormwheel	A	60%	1,500	✓
E30-SP-8	E30-SP-9	1:1 - 40:1	Special Ratios : Replace SP with required ratio				
E30-SPA-8	E30-SPA-9	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio				
E30-SPLH-8	E30-SPLH-9	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio				

Weight: 0.72 kg (Approx).

Standard Backlash: ≈1°. Low Backlash: ≤30'.

Greased for Life: Shell Gadus S2 V220AD 2.

LH – Left hand helix reverses output rotation.

Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 20 kg.

Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 15 kg.

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

Amount of locking effect may vary due to manufacturing processes.

Modifications and specials are available. Please contact Technical Sales department.

ØB Bore Sizes

Standard part 10 mm H7 with 3 mm keyway

9 mm H7 with 3 mm keyway

8 mm H7 with 2 mm keyway

All bores supplied with keyway to DIN 6885 - Js9 tolerance.

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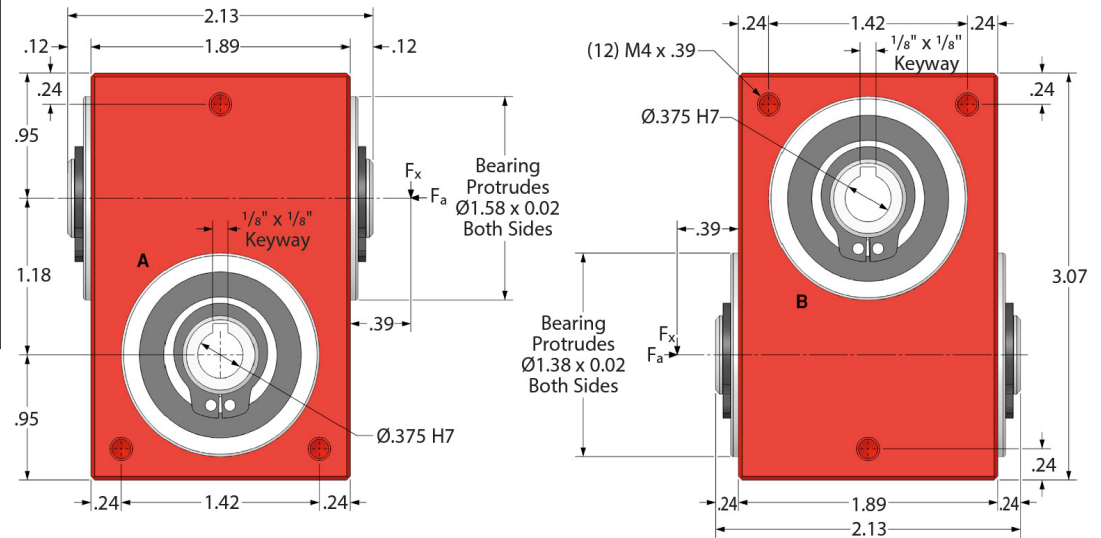
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EA30

GEARBOXES

EA30

Right Angle Helical Reducers

Heavy Duty 0.375 Dia. Bores 13.3 – 79.7 lbf.in **1:1 - 40:1**

Part Number	Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Reflected Inertia at Input (lb.in ²)	Self Locking Output
EA30-1	1:1	Helical	B	90%	4,000	9.80×10^{-2}	✗
EA30-2	2:1	Helical	A	88%	4,000	4.65×10^{-2}	✗
EA30-3	3:1	Helical	A	87%	4,000	3.66×10^{-2}	✗
EA30-4	4:1	Helical	A	86%	4,000	3.53×10^{-2}	✗
EA30-5	5:1	Helical	A	80%	4,000	3.20×10^{-2}	✗
EA30-8	8:1	Wormwheel	A	80%	1,500	3.81×10^{-2}	✗
EA30-10	10:1	Wormwheel	A	73%	1,500	3.78×10^{-2}	✗
EA30-20	20:1	Wormwheel	A	67%	1,500	3.74×10^{-2}	✓
EA30-40	40:1	Wormwheel	A	60%	1,500	3.73×10^{-2}	✓
EA30-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio					
EA30-SPA	1:1 - 40:1	Low Backlash $\leq 30'$: Replace SP with required ratio					
EA30-SPLH	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio					

Weight: 1.59 lb (Approx).

Standard Backlash: $\approx 1^\circ$, Low Backlash: $\leq 30'$.

Greased for Life: Shell Gadus S2 V220AD 2.

LH – Left hand helix reverses output rotation.

Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 44.09 lb.Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 33.07 lb.

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

Amount of locking effect may vary due to manufacturing processes.

Modifications and specials are available. Please contact Technical Sales

department.

Output Torque lbf.in

RPM Input	Reduction Ratio								
	1:1	2:1	3:1	4:1	5:1	8:1	10:1	20:1	40:1
3000	13.3	13.3	13.3	13.3	13.3	-	-	-	-
2000	17.7	17.7	17.7	17.7	17.7	-	-	-	-
1000	22.1	22.1	22.1	22.1	22.1	31.9	37.2	41.6	44.3
500	26.6	26.6	26.6	26.6	26.6	43.4	46.9	49.6	53.1
100	35.4	35.4	35.4	35.4	35.4	57.5	62.0	62.8	64.6
50	39.8	39.8	39.8	39.8	39.8	69.9	74.3	75.2	76.1
10	44.3	44.3	44.3	44.3	44.3	75.2	77.0	78.8	79.7

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E40

GEARBOXES

E40

Right Angle Helical Reducers

Heavy Duty 12 & 14mm Bores 2.3 – 20 Nm **1:1 - 40:1**



Part Number		Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Self Locking Output
ØB = 12mm	ØB = 14mm						
E40-1-12	E40-1-14	1:1	Helical	B	92%	4,000	✗
E40-2-12	E40-2-14	2:1	Helical	A	90%	4,000	✗
E40-3-12	E40-3-14	3:1	Helical	A	89%	4,000	✗
E40-4-12	E40-4-14	4:1	Helical	A	88%	4,000	✗
E40-5-12	E40-5-14	5:1	Helical	A	80%	4,000	✗
E40-8-12	E40-8-14	8:1	Wormwheel	A	80%	1,500	✗
E40-10-12	E40-10-14	10:1	Wormwheel	A	73%	1,500	✗
E40-20-12	E40-20-14	20:1	Wormwheel	A	67%	1,500	✓
E40-40-12	E40-40-14	40:1	Wormwheel	A	60%	1,500	✓
E40-SP-12	E40-SP-14	1:1 - 40:1	Special Ratios : Replace SP with required ratio				
E40-SPA-12	E40-SPA-14	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio				
E40-SPLH-12	E40-SPLH-14	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio				

Weight: 1.67 kg (Approx.)

Standard Backlash: ≈1°. Low Backlash: ≤30'.

Greased for Life: Shell Gadus S2 V220AD 2.

LH – Left hand helix reverses output rotation.

Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 40 kg.

Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 30 kg.

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

Amount of locking effect may vary due to manufacturing processes.

Modifications and specials are available. Please contact Technical Sales department.

ØB Bore Sizes

Standard part 15 mm H7 with 5 mm keyway

14 mm H7 with 5 mm keyway

12 mm H7 with 4 mm keyway

All bores supplied with keyway to DIN 6885 - Js9 tolerance.

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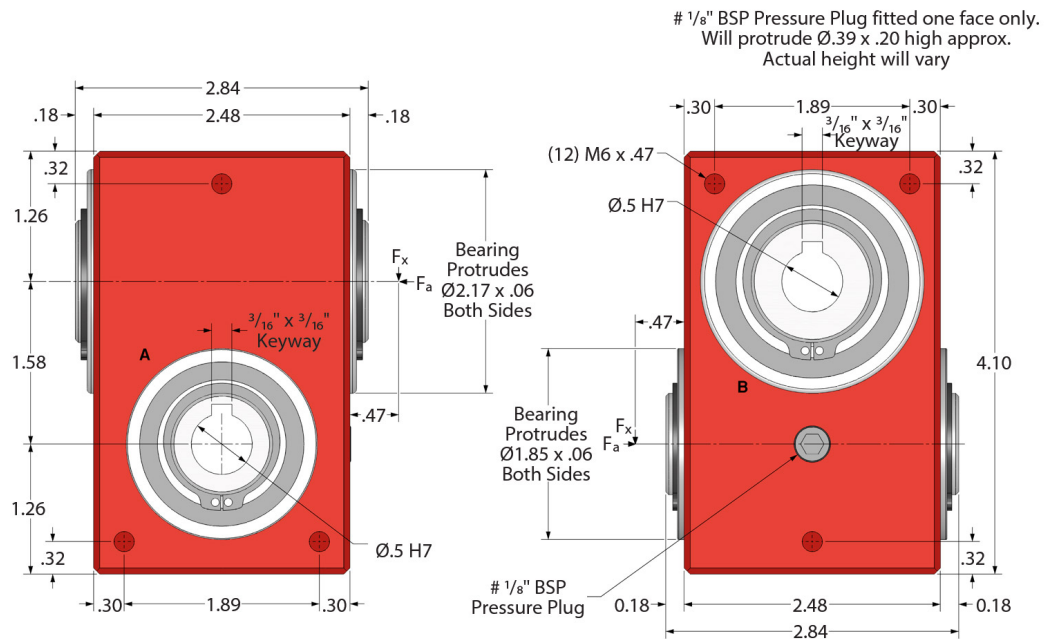
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EA40

GEARBOXES

EA40

Right Angle Helical Reducers

Heavy Duty 0.5 Dia. Bores 20.4 – 177 lbf.in **1:1 - 40:1**

Part Number	Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Reflected Inertia at Input (lb.in ²)	Self Locking Output
EA40-1	1:1	Helical	B	92%	4,000	0.502	✗
EA40-2	2:1	Helical	A	90%	4,000	0.230	✗
EA40-3	3:1	Helical	A	89%	4,000	0.177	✗
EA40-4	4:1	Helical	A	88%	4,000	0.172	✗
EA40-5	5:1	Helical	A	80%	4,000	0.174	✗
EA40-8	8:1	Wormwheel	A	80%	1,500	0.178	✗
EA40-10	10:1	Wormwheel	A	73%	1,500	0.178	✗
EA40-20	20:1	Wormwheel	A	67%	1,500	0.175	✓
EA40-40	40:1	Wormwheel	A	60%	1,500	0.174	✓
EA40-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio					
EA40-SPA	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio					
EA40-SPLH	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio					

Weight: 3.68 lb (Approx.).

Standard Backlash: ≈1°. Low Backlash: ≤30'.

Greased for Life: Shell Gadus S2 V220AD 2.

LH – Left hand helix reverses output rotation.

Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 88.19 lb.Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 66.14 lb.

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

Amount of locking effect may vary due to manufacturing processes.

Modifications and specials are available. Please contact Technical Sales department.

Output Torque lbf.in

RPM Input	Reduction Ratio									
	1:1	2:1	3:1	4:1	5:1	8:1	10:1	20:1	40:1	
3000	20.4	20.4	20.4	20.4	20.4	-	-	-	-	
2000	24.8	24.8	24.8	24.8	24.8	-	-	-	-	
1000	33.6	33.6	33.6	33.6	33.6	64.6	70.8	77.9	85.9	
500	44.3	44.3	44.3	44.3	44.3	94.7	100.0	108.0	115.9	
100	70.8	70.8	70.8	70.8	70.8	125.7	132.8	139.8	147.8	
50	79.7	79.7	79.7	79.7	79.7	151.3	153.1	156.7	161.1	
10	88.5	88.5	88.5	88.5	88.5	172.6	173.5	175.2	177.0	

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E50

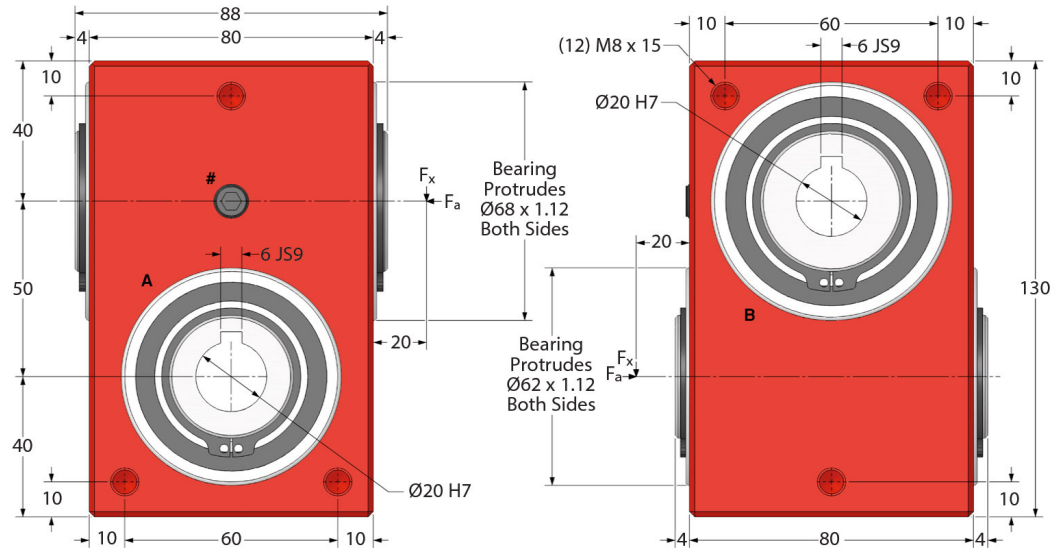
GEARBOXES

E50

Right Angle Helical Reducers

Heavy Duty 20mm Bores 3 – 41 Nm **1:1 - 40:1**

1/8" BSP Pressure Plug fitted one face only.
Will protrude Ø10 x 5 high approx.
Actual height will vary



Part Number	Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Reflected Inertia at Input (kg.m ²)	Self Locking Output
E50-1	1:1	Helical	B	93%	3,000	4.585 x 10 ⁻⁴	✗
E50-2	2:1	Helical	A	91%	3,000	2.240 x 10 ⁻⁴	✗
E50-3	3:1	Helical	A	90%	3,000	1.759 x 10 ⁻⁴	✗
E50-4	4:1	Helical	A	89%	3,000	1.924 x 10 ⁻⁴	✗
E50-5	5:1	Helical	A	80%	3,000	1.920 x 10 ⁻⁴	✗
E50-8	8:1	Wormwheel	A	80%	1,500	1.489 x 10 ⁻⁴	✗
E50-10	10:1	Wormwheel	A	73%	1,500	1.496 x 10 ⁻⁴	✗
E50-20	20:1	Wormwheel	A	67%	1,500	1.463 x 10 ⁻⁴	✓
E50-40	40:1	Wormwheel	A	60%	1,500	1.455 x 10 ⁻⁴	✓
E50-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio					
E50-SPA	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio					
E50-SPLH	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio					

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 Nm

RPM	Reduction Ratio								
Input	1:1	2:1	3:1	4:1	5:1	8:1	10:1	20:1	40:1
3000	3.0	3.0	3.0	3.0	3.0	-	-	-	-
2000	4.0	4.0	4.0	4.0	4.0	-	-	-	-
1000	6.0	6.0	6.0	6.0	6.0	11.3	13.0	15.0	17.0
500	8.0	8.0	8.0	8.0	8.0	18.0	20.0	21.0	23.0
100	12.0	12.0	12.0	12.0	12.0	25.0	26.0	28.0	30.0
50	14.0	14.0	14.0	14.0	14.0	31.0	31.0	32.0	33.0
10	16.0	16.0	16.0	16.0	16.0	40.0	40.0	41.0	41.0

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GEARBOXES

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Right Angle Helical Reducers

Heavy Duty 19 & 22mm Bores 3 – 41 Nm **1:1 - 40:1**

Part Number		Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Self Locking Output
ØB = 19mm	ØB = 22mm						
E50-1-19	E50-1-22	1:1	Helical	B	92%	3,000	✗
E50-2-19	E50-2-22	2:1	Helical	A	90%	3,000	✗
E50-3-19	E50-3-22	3:1	Helical	A	89%	3,000	✗
E50-4-19	E50-4-22	4:1	Helical	A	88%	3,000	✗
E50-5-19	E50-5-22	5:1	Helical	A	80%	3,000	✗
E50-8-19	E50-8-22	8:1	Wormwheel	A	80%	1,500	✗
E50-10-19	E50-10-22	10:1	Wormwheel	A	73%	1,500	✗
E50-20-19	E50-20-22	20:1	Wormwheel	A	67%	1,500	✓
E50-40-19	E50-40-22	40:1	Wormwheel	A	60%	1,500	✓
E50-SP-19	E50-SP-22	1:1 - 40:1	Special Ratios : Replace SP with required ratio				
E50-SPA-19	E50-SPA-22	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio				
E50-SPLH-19	E50-SPLH-22	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio				

Weight: 3.18 kg (Approx.)

Standard Backlash: ≈1°. Low Backlash: ≤30'.

Greased for Life: Shell Gadus S2 V220AD 2.

LH – Left hand helix reverses output rotation.

Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 60 kg.Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 40 kg.

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

Amount of locking effect may vary due to manufacturing processes.

Modifications and specials are available. Please contact Technical Sales department.

ØB Bore Sizes

Standard part 20 mm H7 with 6 mm keyway

22 mm H7 with 6 mm keyway

19 mm H7 with 6 mm keyway

All bores supplied with keyway to DIN 6885 - Js9 tolerance.

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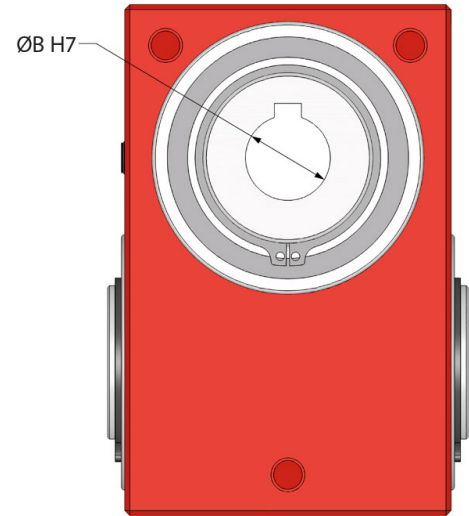
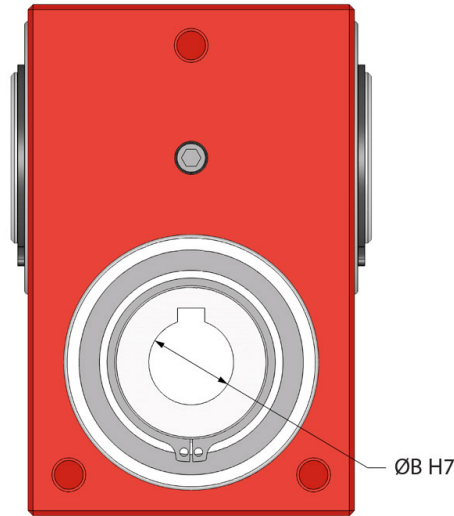
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E60

GEARBOXES

E60

Right Angle Helical Reducers

Heavy Duty 22, 24 & 30mm Bores 4.5 – 62 Nm **1:1 - 40:1**

Part Number			Ratio	Type	Input Face	Efficiency at 1000 Rpm	Max Input Speed	Self Locking Output
ØB = 22mm	ØB = 24mm	ØB = 30mm						
E60-1-22	E60-1-24	E60-1-30	1:1	Helical	B	92%	3,000	✗
E60-2-22	E60-2-24	E60-2-30	2:1	Helical	A	90%	3,000	✗
E60-3-22	E60-3-24	E60-3-30	3:1	Helical	A	89%	3,000	✗
E60-4-22	E60-4-24	E60-4-30	4:1	Helical	A	88%	3,000	✗
E60-5-22	E60-5-24	E60-5-30	5:1	Helical	A	80%	3,000	✗
E60-8-22	E60-8-24	E60-8-30	8:1	Wormwheel	A	80%	1,500	✗
E60-10-22	E60-10-24	E60-10-30	10:1	Wormwheel	A	73%	1,500	✗
E60-20-22	E60-20-24	E60-20-30	20:1	Wormwheel	A	67%	1,500	✓
E60-40-22	E60-40-24	E60-40-30	40:1	Wormwheel	A	60%	1,500	✓
E60-SP-22	E60-SP-24	E60-SP-30	1:1 - 40:1	Special Ratios : Replace SP with required ratio				
E60-SPA-22	E60-SPA-24	E60-SPA-30	1:1 - 40:1	Low Backlash ≤30' : Replace SP with required ratio				
E60-SPLH-22	E60-SPLH-24	E60-SPLH-30	1:1 - 40:1	Left Hand Helicals : Replace SP with required ratio				

Weight: 5.5 kg (Approx.)
 Standard Backlash: ≈1°. Low Backlash: ≤30'.
 Greased for Life: Shell Gadus S2 V220AD 2.
 LH – Left hand helix reverses output rotation.
 Max. Overhung Loads at 1000 Rpm: Overhung Load (F_x) = 80 kg.
 Max. Thrust Loads at 1000 Rpm: Thrust Load (F_a) = 50 kg.
 Self Locking Output: Subject to ratio and only applies in static condition.
 Amount of locking effect may vary due to manufacturing processes.
 Modifications and specials are available. Please contact Technical Sales department.

ØB Bore Sizes

Standard part 25 mm H7 with 8 x 7 mm keyway
 30 mm H7 with 8 x 7 mm keyway
 24 mm H7 with 8 x 7 mm keyway
 22 mm H7 with 6mm keyway
 All bores supplied with keyway to DIN 6885 - Js9 tolerance.

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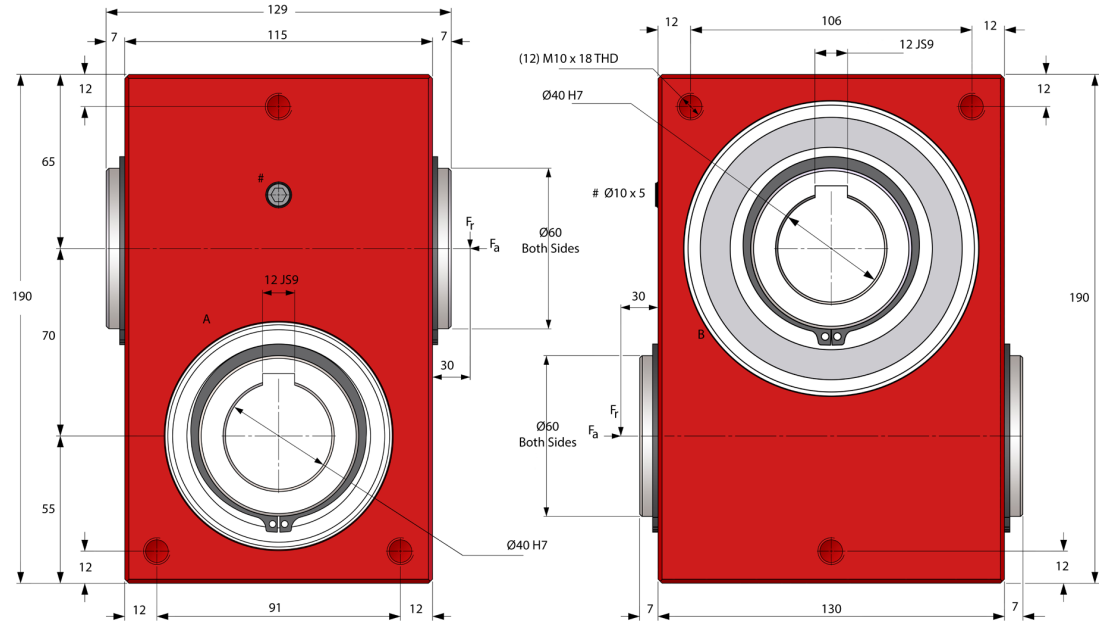
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E70

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E70

Right Angle Helical Reducers

Heavy Duty 40mm Bores 2.4Nm - 65.86 **1:1 - 3:1**

Part Number			Ratio	Type	Efficiency at 1000 RPM	Reflected Inertia at Input (kg.m ²)	Self Locking Output
Standard ≤45'	Low Backlash ≤30'	Red. Backlash ≤10'					
E70-1	E70-1A	E70-1AR	1:1	RH Helical	77%	3.066×10^{-3}	✗
E70-2	E70-2A	E70-2AR	2:1	RH Helical	73%	1.974×10^{-3}	✗
E70-3	E70-3A	E70-3AR	3:1	RH Helical	68%	1.680×10^{-3}	✗
E70-1-LH	E70-1A-LH	E70-1AR-LH	1:1	LH Helical	77%	3.066×10^{-3}	✗
E70-2-LH	E70-2A-LH	E70-2AR-LH	2:1	LH Helical	73%	1.974×10^{-3}	✗
E70-3-LH	E70-3A-LH	E70-3AR-LH	3:1	LH Helical	68%	1.680×10^{-3}	✗

Weight: 9.7 kg.**Max. Input Speed:** 3,000rpm Short Term**Standard Backlash:** ≤45'**Low Backlash:** ≤30'**Reduced Backlash:** ≤10'**Greased for life:** Shell Gadus S2 V220AD 2.

LH – left hand helix reverses output rotation.

Max. Overhung Loads at 1000rpm (F_x): 1100 N.Max. Thrust Loads at 1000rpm (F_a): 600 N.

Special shaft sizes and other modifications are available.
Please contact Technical Sales department. Testing in your application is necessary. You will need to assess duty cycles and confirm suitability with your own calculations. Figures listed are for guidance only.

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