

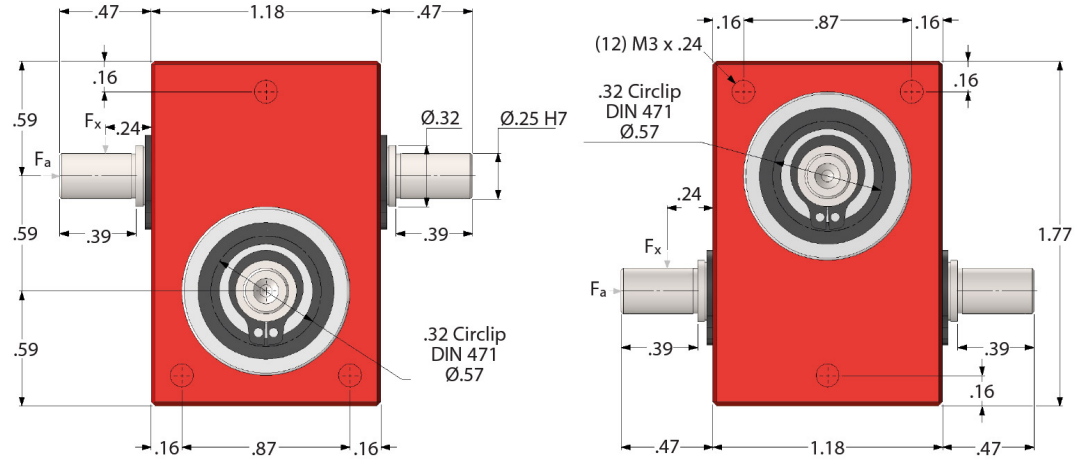
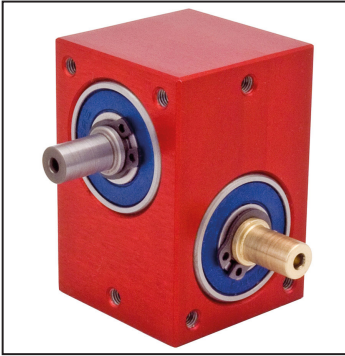
EA15

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 x 10 ⁻²	✗	
EA15-2	2:1	Helical	A	86%	4,000	8.03 x 10 ⁻³	✗	
EA15-3	3:1	Helical	A	85%	4,000	6.87 x 10 ⁻³	✗	
EA15-4	4:1	Helical	A	84%	4,000	6.79 x 10 ⁻³	✗	
EA15-5	5:1	Helical	A	80%	4,000	5.28 x 10 ⁻³	✗	
EA15-8	8:1	Wormwheel	A	80%	2,000	5.54 x 10 ⁻³	✗	
EA15-10	10:1	Wormwheel	A	73%	2,000	5.50 x 10 ⁻³	✗	
EA15-20	20:1	Wormwheel	A	67%	2,000	5.44 x 10 ⁻³	✓	
EA15-40	40:1	Wormwheel	A	60%	2,000	5.43 x 10 ⁻³	✓	
EA15-SP	1:1 - 40:1	Special Ratios : Replace SP with required ratio						
EA15-SPA	1:1 - 40:1	Low Backlash ≤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: ≈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 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	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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516-771-6777

www.ondrives.us

sales@ondrives.us