

Shoulder & Plain Eye bolts

Material Data:

Grade.....C1030

Mechanical Properties:

Grain Size..... 5 or Finer

Tensile Strength..... 65,000 psi min.

Yield..... 50,000 psi min.

Elongation.....30% min.

Reduction of Area.....60% min.

WARNING

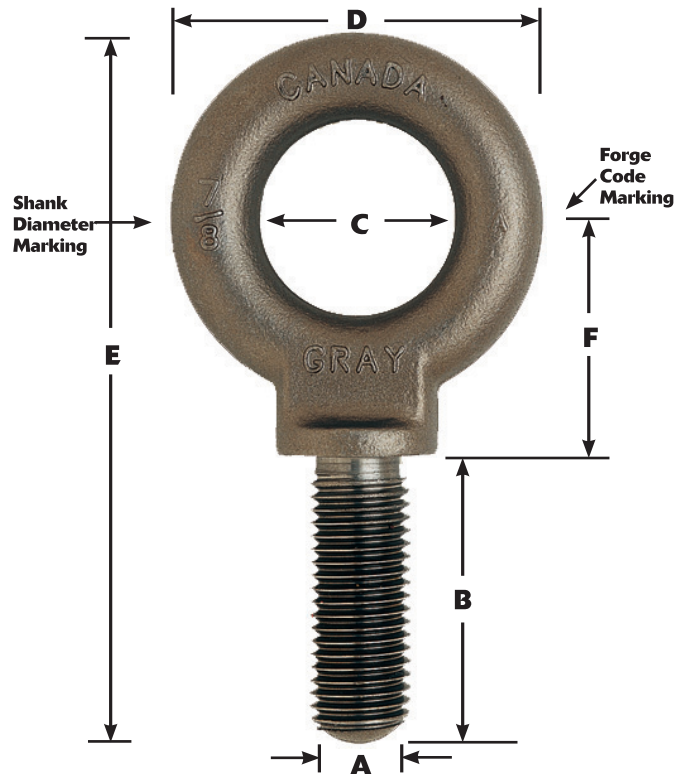
RATED CAPACITY LIMIT IS DRASTICALLY REDUCED WHEN LOADING AT ANY ANGLE. LOADS MAY SLIP OR FALL CAUSING SERIOUS INJURY OR DAMAGE IF PROPER INSTALLATION AND LIFTING PROCEDURES ARE NOT FOLLOWED.

Direction of Pull	Rated Capacity
15 degrees	80% of rated capacity
30 degrees	65% of rated capacity
45 degrees	30% of rated capacity
46+ degrees	Not recommended

ALWAYS USE A SHOULDER EYE BOLT WHEN PERFORMING ANGULAR LIFTS. ANGULAR LIFTING USING PLAIN PATTERN EYE BOLTS IS NOT RECOMMENDED.

Shoulder Pattern

Forged - Carbon Steel - Self Colored



Part No.	Thread Size UNC-2A A	Shank Length B	I.D. Eye C	O.D. Eye D	Overall Length E	Center of Eye to Shdr. F	Approx. Weight per Piece	Rated Capacity lbs.
BS08	1/4-20	1	3/4	1 3/16	2 3/8	3/4	0.04	650
BS10	5/16-18	1 1/8	7/8	1 7/16	2 13/16	15/16	0.09	1,200
BS12	3/8-16	1 1/4	1	1 11/16	3 9/32	1 1/8	0.17	1,550
BS14	7/16-14	1 3/8	1 1/16	1 13/16	3 9/16	1 1/4	0.24	2,000
BS16	1/2-13	1 1/2	1 3/16	2 1/8	3 31/32	1 3/8	0.38	2,600
BS18	9/16-12	1 5/8	1 1/4	2 5/16	4 1/2	1 9/16	0.51	3,200
BS20	5/8-11	1 3/4	1 3/8	2 9/16	4 3/4	1 21/32	0.71	5,200
BS24	3/4-10	2	1 1/2	2 13/16	5 1/4	1 13/16	0.99	7,200
BS28	7/8-9	2 1/4	1 11/16	3 3/16	5 31/32	2 1/8	1.48	10,600
BS32	1-8	2 1/2	1 13/16	3 9/16	6 5/8	2 5/16	2.20	13,300
BS36	1 1/8-7	2 3/4	2	4 1/16	7 21/32	2 11/16	3.20	17,000
BS40	1 1/4-7	3	2 3/16	4 7/16	8 7/32	2 15/16	4.40	21,000
BS48	1 1/2-6	3 1/2	2 1/2	5 3/16	9 15/32	3 5/16	7.40	24,000
BS56	1 3/4-5	3 3/4	2 7/8	6	10 13/16	4	11.80	32,000
BS64	2-4 1/2	4	3 3/8	6 7/8	11 7/8	4 3/8	17.20	40,000

Dimensions in Inches
Weights in Pounds

Note: Rated capacity is for 0° vertical pulls. Never apply loads greater than Rated Capacity to any eye bolt. Proof tested in accordance with ASTM A489 and Federal Spec. ANSI B18.15. Traceability and Mechanical test values are available with each shipment upon request.