

**(METRIC THREAD) SHOULDER TYPE - CARBON STEEL-SELF COLORED**



**MACHINERY EYE BOLTS**

Maximum blank lengths, either pattern indicated in column (1). Vertical loads are based on a design factor of 5 to 1. Variation in quantity: on special items we reserve the right to a maximum 10% variation for allowances in manufacture. Finishes include zinc plated, hot galvanized and black oxide.

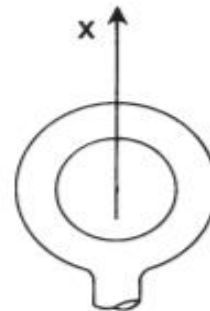
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements.
- Material traceability available through Product Identification Code (PIC) System



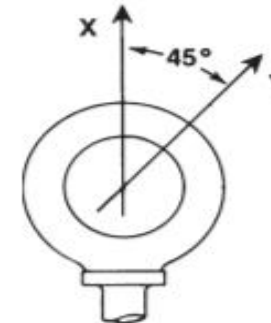
Part No.	Metric Size	A Thread Size	B Shank Length, mm	C I.D. Eye, mm	Approx. Wt. Per 100 Pcs. in Lbs.	Working Load Limit in Kgs.	Working Load Limit in Lbs.	AVAILABILITY
13805 5	M6	M6 x 1.0	25.4	19	5	210	462	STOCK OMA
13825 3	M7	M7 x 1.0	28.5	22	10	370	814	NON-STOCK
13845 1	M8	M8 x 1.25	31.7	25	17	450	992	STOCK OMA
13865 9	M10	M10 x 1.5	35.0	28	27	740	1,628	STOCK OMA
13885 7	M12	M12 x 1.75	38.0	30	36	1,030	2,266	STOCK OMA
13905 2	M14	M14 x 2.0	44.5	35	71	1,600	3,520	STOCK OMA
13925 0	M16	M16 x 2.0	44.5	35	74	1,600	3,520	STOCK OMA
13948 9	M18	M18 x 2.5	51.0	38	99	2,140	4,708	STOCK OMA
13968 7	M20	M20 x 2.5	57.0	43	158	2,860	6,292	STOCK OMA
13988 5	M24	M24 x 3.0	63.5	46	227	3,850	8,470	STOCK OMA
14008 9	M27	M27 x 3.0	70.0	51	341	5,200	11,440	NON-STOCK
14031 7	M30	M30 x 3.5	76.0	55	460	6,400	14,080	STOCK OMA
14051 5	M36	M36 x 4.0	89.0	63	734	8,970	19,734	NON-STOCK

Working load limits for eye bolts are based on a straight vertical lift in a gradually increasing manner. Angular lifts will significantly lower working load limits (see Shoulder Pattern) and should be avoided whenever possible. If an angular lift is required, a properly seated Shoulder Pattern eye bolt must be used. Loads should always be applied to eye bolts in the plane of the eye, not at an angle to this plane. Angular lifts must never be more than a 45° pull. For angular lifting see chart below.

Diameter and Thread	Working Load Limit	
	Straight Pull (X)	45° Pull (Y) Shoulder Only
M6 X 1.0	462 lbs	115 lbs
M7 X 1.0	814 lbs	203 lbs
M8 X 1.25	992 lbs	248 lbs
M10 X 1.50	1,628 lbs	407 lbs
M12 X 1.75	2,266 lbs	566 lbs
M14 X 2.00	3,520 lbs	880 lbs
M16 X 2.00	3,520 lbs	880 lbs
M18 X 2.5	4,708 lbs	1,177 lbs
M20 X 2.5	6,292 lbs	1,573 lbs
M24 X 3.0	8,470 lbs	2,117 lbs
M27 X 3.0	11,440 lbs	2,860 lbs
M30 X 3.5	14,080 lbs	3,520 lbs
M36 X 4.0	19,374 lbs	4,933 lbs



Plain Pattern



Shoulder Pattern

**ANGULAR LIFTS SHOULD BE AVOIDED WHENEVER POSSIBLE.**

