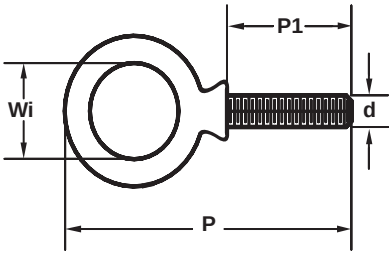
Shoulder Eyebolts

- Forged Steel
- Heat treated, quenched & tempered
- Meets IFI standards, ASTM A 489, ANSI/ASME, B18.5



Shank Diameter	Product Code	Working Load Limit	Dimensions				Weight
			Wi	P1	P	d Thread (UNC-2A)	
Imperial							
in.		lb.	in.	in.	in.	in.	lb.
1/4	456920	500	0.750	1.000	2.39	1/4 - 20	0.06
5/16	456921	900	0.870	1.120	2.80	5/16 - 18	0.11
3/8	456922	1,300	1.000	1.250	3.22	3/8 - 16	0.18
7/16	496933	1,800	1.094	1.375	3.59	7/16 - 14	0.22
1/2	456923	2,400	1.188	1.500	3.96	1/2 - 13	0.35
5/8	456924	4,000	1.375	1.750	4.69	5/8 - 11	0.70
3/4	456925	5,000	1.500	2.000	5.28	3/4 - 10	1.10
7/8	456926	7,000	1.690	2.500	6.04	7/8 - 9	1.70
1	456927	9,000	1.810	2.500	6.67	1 - 8	2.36
1-1/8	456930	12,000	2.000	2.750	7.44	1 1/8 - 7	3.98
1-1/4	456928	15,000	2.180	3.000	8.12	1 1/4 - 7	4.68
1-1/5	456929	21,000	2.500	3.500	9.49	1 1/2 - 6	7.77

Note:

- Do not exceed the working load limit - reduce the working load limit according to the adjacent table if loading other than true vertical. Inspect eyebolts before use. Do not use if bent more than 15º or if wear of more than 10% of original dimension is evident.
- Install with shoulder at 90º to axis of hole to assure total contact of shoulder. Torque nut/eyebolt to assure proper seating. Check seating after initial loading.
- If installing in tapped hole, make sure depth of thread engagement is at least 1-1/2 times bolt diameter. Thread fit must also be good-tight, not loose-sloppy.
- Where eyebolts must be aligned, a washer or shim may be placed under the shoulder to permit alignment when tightened.
- To minimize the bending movement, always apply load in the direction of the plane of eye. Reduce working load limit according to table if loading other than true vertical
- Never insert a hook tip in an eyebolt to load.
- Do not use a sling reeved through an eyebolt or a pair of eyebolts using a shackle.

Shoulder Eyebolt Working Load Limit				
Angle of Loading				
True Vertical	75º	65º	45º	Less than 45º
Full working load limit	55% of full WLL	35% of full WLL	25% of full WLL	DO NOT USE
Refer to Full Specifications for Full Working Load Limits				

If in doubt, consult a rigging handbook or discuss with a qualified person