
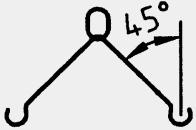


Permitted loads for lifting eyes

The table is valid for LT and LH
DIN 580 and DIN 582
SS 1915 and 1916

Table 37

				Max load in kg	
Thread		Diameter			
M	6*	UNC	5/16*	70	50
	8		3/8*	140	100
	10			230	170
	12		1/2*	340	240
	14*			490	340
	16		5/8*	700	500
	20		3/4*	1200	860
	22*			1500	1050
	24		1"	1800	1290
	27*			2500	1650
	30		1 1/4*	3200	2300
	33*			4300	3200
	36		1 1/2*	4600	3300
	42		1 3/4*	6300	4500
	45*			8000	5500
	48		2"	8600	6100
	52*			9900	7300
	56			11500	8200
	64		2 1/2*	16000	11000
	72		3"	20000	14000
	80			28000	20000
	100			40000	29000

* Recommended values, not according to standard.

N.B!

- Lifting eye screws and nuts must be screwed hard to the surface.
- When two lifting eye screws or nuts are used, their relative distance must be such as that the eyes are at the same level. Since they must be screwed hard to the surface, it may be necessary to put washers between flange and surface in order to get the eyes in the same level. A larger angle between the lifting straps than 90° is not allowed.
- Assembly is not permitted on a plane which is substantially divergent from a plane perpendicular to the lifting angle straight up.
- Maximum permitted load is only valid for lifting eyes manufactured according to the given standard, and if the assembly is performed according to the above.

Lifting eye bolts in steel and stainless steel stand the smallest breaking forces in axial tensile test according to the table below

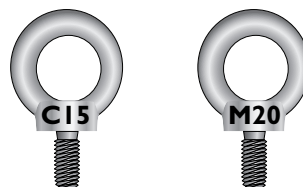


Table 217 Min. breaking force

Thread	M8	M10	M12	M16	M20	M24	M30	M36
Min. breaking force kN	8,4	13,8	19,8	41,4	70,8	106	188	270

Thread	M42	M48	M56	M64	M72x6	M80x6	M100x6
Min. breaking force kN	372	504	678	942	1180	1650	2350

Source: DIN 580.