EYEBOLTS & EYENUTS

Full details and safety information about our range of Eyebolts & Eyenuts

APPLICATION

Eyebolts & Eyenuts are used for lifting machines, appliances or any other object which cannot be lifted by hand or by forklift truck.

RANGE

George Taylor offers a wide range of lifting eyebolts & eyenuts, from M6 up to M72, with Working Load Limits from 0.07 tons up to 25 tons. Larger sizes can be supplied upon request.

DESIGN

Eyebolts & Eyenuts are manufactured from C15, C45 or C15E material steel, drop forged with metric threads. Each Eyebolt & Eyenut is individually stamped with the following:

- Working Load Limit valid for in-line pull
- Thread diameter
- Material identification symbol e.g. C15, M
- Manufacturer's symbol
- CE mark

FINISH

Eyebolts & Eyenuts can be supplied either Self Coloured, Electro-Galvanised or Hot Dipped Galvanised.

CERTIFICATION

Test certificates can be supplied upon request.

INSTRUCTIONS FOR USE

Eyebolts & Eyenuts should be inspected prior to being used to ensure that:

- All markings are legible;
- Eyebolts/Eyenuts are free from nicks, gouges & cracks;
- Make sure the thread is undamaged and clean;
- An Eyebolt/Eyenut with the correct Working Load Limit has been selected with respect to load to be lifted;
- Eyebolts/Eyenuts may not be heat treated as this may affect their Working Load Limit;
- Never repair or reshape an Eyebolt/Eyenut by welding, heating or bending as this may affect the Working Load Limit;
- Never grind, machine or cut an Eyebolt or Eyenut;
- When used as lifting devices, the Eyebolt/Eyenut should always be screwed into the object to be lifted in such a way that they fit properly against the object to be lifted;
- Working Load Limits are valid for in-line pull only and have to be reduced for non-axial leading, for further details please refer to the standard, DIN 580 or BS4278 Table 1 for Eyebolts or DIN 582 for Eyenuts.

It is required that the products are regularly inspected and that the inspection should take place in accordance with the safety standards given in the country of use. This is required because the products in use may be affected by wear, misuse, overloading etc. with a consequence of deformation and alteration of the material structure.

Inspection should take place at least every six months and even more frequently when the products are used in severe operating conditions.

SAFETY INSTRUCTIONS - EYEBOLTS

FOR BSW AND METRIC COARSE THREAD

- Standard : B.S. 4278 Tables 1 and 4 - 1984
- Note : maximum recommended working loads for British standard eyebolts imperial and metric coarse threads when used in pairs for inclined working conditions

SWL for a single Eyebolt in vertical lift	Angle of lift between sling legs		
	0° > 30°	30° > 60°	60° > 90°
tonnes	tonnes	tonnes	tonnes
0.25	0.32	0.20	0.13
0.40	0.50	0.32	0.20
0.50	0.63	0.40	0.25
0.80	1.00	0.64	0.40
0.90	1.13	0.72	0.45
1.00	1.30	0.80	0.50
1.25	1.60	1.00	0.63
1.40	1.76	1.12	0.70
1.60	2.00	1.25	0.80
2.00	2.50	1.60	1.00
2.50	3.20	2.00	1.25
2.75	3.47	2.20	1.38
3.20	4.00	2.50	1.60
3.50	4.41	2.80	1.75
4.00	5.00	3.20	2.00
4.50	5.67	3.60	2.25

5.00	6.30	4.00	2.50
6.30	8.00	5.00	3.20
8.00	10.00	6.30	4.00
9.00	11.34	7.20	4.50
10.00	12.50	8.00	5.00
12.00	15.12	9.60	6.00
12.50	16.00	10.00	6.30
15.00	18.90	12.00	7.50
16.00	20.00	12.50	8.00
20.00	25.20	16.00	10.00

SAFETY INSTRUCTIONS - EYEBOLTS AND EYENUTS

METRIC COARSE THREAD

- Standard : Eyebolt DIN 580 - Eyenut DIN 582
- Note : maximum recommended working loads when used in pairs for inclined working conditions

SWL for a single eyebolt in vertical lift	**angle of lift between sling legs**
0°	45°
kg	kg
140	95
230	170
340	240
700	500
1200	830
1800	1270
3600	2600
5100	3700
7000	5000
8600	6100
11500	8300
16000	11000