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INDUSTRIAL COMPONENTS CATALOGUE

The Standard & Non-Standard Specialists
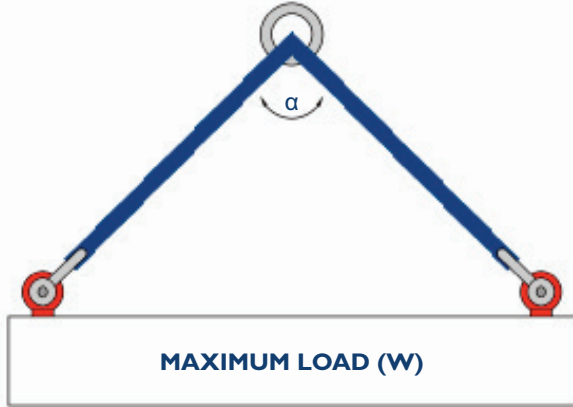## www.brooksforgings.co.uk

COLLARED EYEBOLT WORKING LOAD CHART

- INFORMATION BASED ON BS 4278 : 1984

MAXIMUM LOAD (W)

NOTE: THIS METHOD IS CORRECT FOR COLLARED EYEBOLTS AS ILLUSTRATED AND EYEBOLTS WITH LINK

IT IS NOT PERMISSIBLE FOR DYNAMO EYEBOLTS WHICH ARE DESIGNED FOR AXIAL LIFT ONLY.

METRIC THREADS

Maximum recommended working loads for collared eyebolts **(metric threads)** when used in pairs for inclined loading conditions.

SAFE WORKING LOAD SINGLE EYEBOLT AXIAL	MAXIMUM LOAD (W) TO BE LIFTED BY A PAIR OF EYEBOLTS WHEN THE ANGLE BETWEEN SLING LEGS IS:		
	0° < α ≤ 30°	30° < α ≤ 60°	60° < α ≤ 90°
tonnes	tonnes	tonnes	tonnes
0.4	0.5	0.32	0.2
0.8	1.0	0.64	0.4
1.6	2.0	1.25	0.8
2.5	3.2	2.0	1.25
4.0	5.0	3.2	2.0
6.3	8.0	5.0	3.2
8.0	10.0	6.3	4.0
10.0	12.5	8.0	5.0
12.5	16.0	10.0	6.3
16.0	20.0	12.5	8.0
20.0	25.0	16.0	10.0
25.0	32.0	20.0	12.5
REDUCTION FACTOR	0.63	0.4	0.25

IMPERIAL THREADS

Maximum recommended working loads for collared eyebolts **(imperial threads)** when used in pairs for inclined loading conditions.

SAFE WORKING LOAD SINGLE EYEBOLT AXIAL	MAXIMUM LOAD (W) TO BE LIFTED BY A PAIR OF EYEBOLTS WHEN THE ANGLE BETWEEN SLING LEGS IS:		
	0° < α ≤ 30°	30° < α ≤ 60°	60° < α ≤ 90°
tonnes	tonnes	tonnes	tonnes
0.25	0.32	0.2	0.13
0.5	0.63	0.4	0.25
0.9	1.13	0.72	0.45
1.4	1.76	1.12	0.7
2.0	2.52	1.6	1.0
2.75	3.47	2.2	1.38
3.5	4.41	2.8	1.75
4.5	5.67	3.6	2.25
6.5	8.19	5.2	3.25
9.0	11.34	7.2	4.5
12.0	15.12	9.6	6.0
15.0	18.9	12.0	7.5
20.0	25.2	16.0	10.0
30.0	37.8	24.0	15.0
REDUCTION FACTOR	0.63	0.4	0.25

SAFE WORKING LOAD SINGLE EYEBOLT AXIAL	MAXIMUM LOAD (W) TO BE LIFTED BY A PAIR OF EYEBOLTS WHEN THE ANGLE BETWEEN SLING LEGS IS:		
	0° < α ≤ 30°	30° < α ≤ 60°	60° < α ≤ 90°
tonnes	tonnes	tonnes	tonnes
1.0	2.0	1.6	1.25
1.6	3.2	2.5	2.0
2.5	5.0	4.0	3.2
4.0	8.0	6.3	5.0
6.3	12.6	10.0	8.0
REDUCTION FACTOR	1.0	0.8	0.63

IMPERIAL & METRIC THREADS

Maximum recommended working loads for collared eyebolts with links **(imperial & metric threads)** when used in pairs for inclined loading conditions.

Every care has been taken in the preparation of this technical data, however, no liability can be accepted for any errors or the consequences arising from such errors.

tel. +44 (0)1384 563356 | email. sales@brooksforgings.co.uk www.brooksforgings.co.uk