

Lifting Eye TP Grade 10

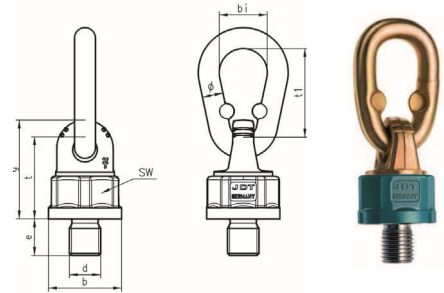
General: The eyes can be loaded with working load limit in all directions. All the eyes are pivoted to avoid breakage in the eyes, which also make it possible to fold it aside when it is not in use. Furthermore it has a ball bearing swivel which makes the lifting eye to always stand in the correct direction to the load.

Material: Eye and swivel of alloy steel grade 10.

Marking: WLL.

Finish: Painted.

Safety factor: 4:1.


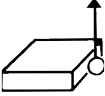
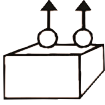
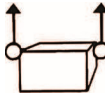
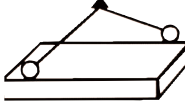
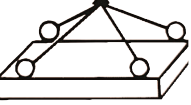


Note: The surface that the lifting eyes shall be attached to shall be flat and tolerate the load it is going to be exposed to.



Art No	WLL straight lift		Thread ver- sion d x e	Tightening torque		Ø b	g	SW width across flats	t	Link	
	tons		mm	Nm	DIN 13			mm		Ø x t1 x bi	kg
	1,0	TP	M 10x18	10-40	1,5	36,5	48	34	41	13x55x32	0,42
	1,4	0,7	M 12x18	15-40	1,75	36,5	48	34	41	13x55x32	0,43
	1,4		M 12x25	15-40	1,75	36,5	48	34	41	13x55x32	0,43
	2,0		M 14x20	30-40	2	36,5	48	34	41	13x55x32	0,43
	2,8	TP	M 16x20	45-130	2	36,5	48	34	41	13x55x32	0,43
	2,8	1,4	M 16x30	45-130	2	36,5	48	34	41	13x55x32	0,44
	3,4		M 20x30	75-130	2,5	36,5	48	34	41	13x55x32	0,46
	3,4		M 24x30	90-130	3	36,5	48	34	41	13x55x32	0,49
	5	TP	M 20x30	100-170	2,5	52	68	46	57	16x71x34	0,95
	5	2,5	M 20x40	100-170	2,5	52	68	46	57	16x71x34	0,94
	5		M 20x50	100-170	2,5	52	68	46	57	16x71x34	1,04
	5		M 20x70	100-170	2,5	52	68	46	57	16x71x34	1,07
	8	TP 4	M 24x30	190-280	3	57	75	50	63	18x85x45	1,43
	8		M 24x45	190-280	3	57	75	50	63	18x85x45	1,48
	8		M 24x50	190-280	3	57	75	50	63	18x85x45	1,5
	8		M 30x35	190-280	3,5	57	75	50	63	18x85x45	1,5
	12	TP	M 30x35	230-400	3,5	70	95	65	78	20x85x45	2,33
	12	6,7	M 30x45	230-400	3,5	70	95	65	78	20x85x45	2,37
	12		M 30x50	230-400	3,5	70	95	65	78	20x85x45	2,44
	12		M 30x60	230-400	3,5	70	95	65	78	20x85x45	2,45
	12	TP 8	M 30x35	270-600	3,5	81		75	86	23x115x60	3,59
	12		M 30x45	270-600	3,5	81		75	86	23x115x60	3,64
	15	TP	M 36x50	270-600	4	81		75	86	23x115x60	3,72
	15	10	M 36x54	270-600	4	81		75	86	23x115x60	3,82
	15	TP	M 42x50	270-700	4,5	81		75	86	23x115x60	3,82
	15	12,5	M 42x60	270-700	4,5	81		75	86	23x115x60	3,91
	15		M 42x63	270-700	4,5	81		75	86	23x115x60	3,94
	15		M 45x60	270-700	4,5	81		75	86	23x115x60	4,03
	15		M 48x72	270-700	5	81		75	86	23x115x60	4,33
	20	TP	M 42x60	350-800	4,5	104		95	106		7,34
	252	17	M 45x60	350-800	4,5	104		95	106		7,50
	25		M 48x60	350-800	5	104		95	106		7,57
	25		M 56x78	350-900	5,5	104		95	106		8,00
	25	TP	M 64x96	350-900	6	104		95	106		8,85
	25	20	M 64x110	350-900	6	104		95	106		9,20
	32,5	TP	M 64x96	500-1.000	6	129		115	135		16,3
	32,5	28	M 72x120	500-1.200	6	129		115	135		17,6
	32,5		M 80x150	500-1.200	6	129		115	135		19,5
	40	TP	M 80x120	500-1.400	6	148		135	146		25,1
	40	35	M 90x150	500-1.500	6	148		135	146		27,6
	50	TP	M 80x120	500-1.500	6	170		150	182		35,5
	50	40	M 90x115	500-1.500	6	170		150	182		36,5
	50		M 90x150	500-1.500	6	170		150	182		38,0
	50		M 100x150	500-1.700	6	170		150	182		39,8

Load diagram

Kind of attachment									
Number of legs		1	1	2	2	2		3+4	
Angle of inclination		0°	90°	0°	90°	0°-45°	45°-60°	0°-45°	45°-60°
Code	Thread	Load capacity tons							
TP 0,7	M 10	1,0	0,5	2,0	1,0	0,7	0,5	1,0	0,75
	M 12	1,4	0,7	2,8	1,4	1,0	0,7	1,4	1,0
	M 14	2,0	1,0	4,0	2,0	1,4	1,0	2,12	1,5
TP 1,4	M 16	2,8	1,4	5,6	2,8	2,0	1,4	3,0	2,12
	M 20	3,4	1,7	6,8	3,4	2,4	1,7	3,55	2,5
	M 24	3,4	1,7	6,8	3,4	2,4	1,7	3,55	2,5
TP 2,5	M 20	5,0	2,5	10,0	5,0	3,55	2,5	5,3	3,75
TP 4	M 24	8,0	4,0	16,0	8,0	5,6	4,0	8,5	6,0
	M 30	8,0	4,0	16,0	8,0	5,6	4,0	8,5	6,0
TP 6,7	M 30	12,0	6,7	24,0	13,4	9,5	6,7	14,0	10,0
TP 8	M 30	12,0	8,0	24,0	16,0	11,2	8,0	16,0	12,0
TP 10	M 36	15,0	10,0	30,0	20,0	14,0	10,0	21,2	15,0
TP 12,5	M 42	15,0	12,5	30,0	25,0	17,0	12,5	25,0	18,0
	M 45	15,0	12,5	30,0	25,0	17,0	12,5	25,0	18,5
	M 48	15,0	12,5	30,0	25,0	17,0	12,5	25,0	18,0
TP 17	M 42	20,0	13,0	40,0	26,0	18,0	13,0	27,0	19,0
	M 45	25,0	17,0	50,0	34,0	23,5	17,0	35,0	25,0
	M 48	25,0	17,0	50,0	34,0	23,5	17,0	35,0	25,0
	M 56	25,0	18,0	50,0	36,0	25,0	18,0	37,5	26,5
TP 20	M 64	25,0	20,0	50,0	40,0	28,0	20,0	42,5	30,0
TP 28	M 64	32,5	28,0	65,0	56,0	38,0	28,0	58,0	42,0
	M 72	32,5	28,0	65,0	56,0	39,0	28,0	58,0	42,0

In the case of an unsymmetrical load distribution, the lifting capacities applicable to the 2- and 3-/4-leg slings are the same as for 1-leg types at 90°

Lifting Eye TP-S Grade 10

General: The eyes can be loaded with working load limit in all directions. All the eyes are pivoted to avoid breakage in the eyes, which also make it possible to fold it aside when it is not in use. Furthermore it has a ball bearing swivel which makes the lifting eye to always stand in the correct direction to the load.

The advantages:

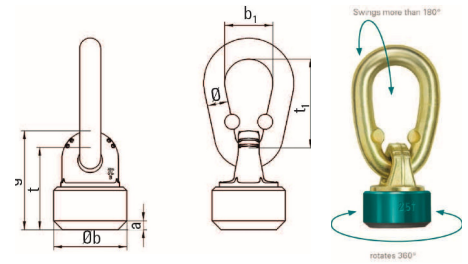
- Marks on the swivel give a clear indication of inclination angles.
- Additional ball bearing system allows for smooth swiveling under load.
- Crimpfeature on the link prevents the link from kinking.
- Both internal and external surfaces are protected against corrosion by a tough galvanized coating.
- Improved swivel to surface contact is due to special machining.
- Ball bearing wear can be visually recognized by the gap on the wear ring without measuring instruments.
- Secured four times against breakage in all load directions.

Material: Eye and swivel of alloy steel grade 10.

Marking: WLL.

Finish: Painted.

Safety factor: 4:1.

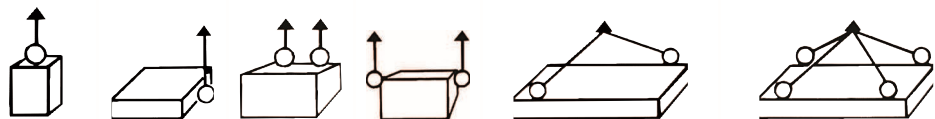


Note: The surface that the lifting eyes shall be attached to shall be flat and tolerate the load it is going to be exposed to.

All welding has to be done by competent welder.



Art No	WLL straight lift	Code	a	Ø b	g	t	Link	Weight
	tons							
11.420381502000	5	TP-S 2,5	5,5x45°	52	68	57	16x70x34	0,95
11.420381504000	8	TP-S 4	7,0x45°	57	74	62	18x85x45	1,3
11.420381506000	12	TP-S 6,7	8,5x45°	70	95	78	20x85x45	2,2
11.420381510000	15	TP-S 10	10x45°	80	102	83	23x115x60	3,8



Kind of attachment

Number of legs	Load capacity tons							
	1	1	2	2	2	2	3+4	3+4
Angle of inclination	0°	90°	0°	90°	0°-45°	45°-60°	0°-45°	45°-60°
Code								
TP-S 2,5	5,0	2,5	10	5,0	3,55	2,5	5,3	3,75
TP-S 4	8,0	4,0	16	8,0	5,6	4,0	8,5	6,0
TP-S 6,7	12	6,7	24	13,4	9,5	6,7	14,0	10
TP-S 10	15	10	30	20	14	10	21,2	15

Lifting Eye Theipa Point - F Grade 10

General: The eyes can be loaded with working load limit in all directions. All the eyes are pivoted to avoid breakage in the eyes, which also make it possible to fold it aside when it is not in use. Furthermore it has a ball bearing swivel which makes the lifting eye to always stand in the correct direction to the load.

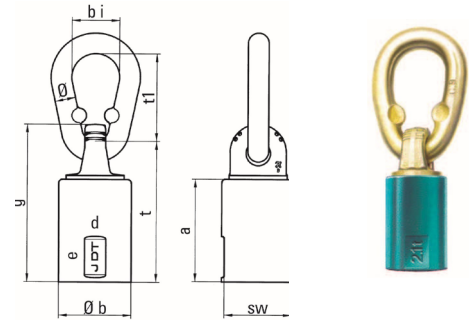
The advantages:

- The stamped WLL applies to the kind of attachment by 90°.
- Bolts of the quality class 10.9 crack-tested are permitted as connecting elements.
- **Different threaded versions and lengths can be supplied on request.**

Material: Eye and swivel of alloy steel grade 10.

Marking: WLL.

Finish: Painted.



Art No	WLL straight lift	Code	Thread version d x e	Tightening torque	Pitch	a	Ø b	g	SW width across flats	t	Link	
	tons		mm	Nm	Dln 13	mm					Ø x t1 x b1i	kg
	1,4	TP-F 0,5	M 12x15	15-40	1,75	45	36,5	73	34	66	13x55x32	0,61
	2,8	TP-F 1	M 16x20	45-130	2	52	36,5	80	34	73	13x55x32	0,65
	5	TP-F 1,7	M 20x25	100-170	2,5	66	52	106	46	95	16x70x34	1,5
	8	TP-F 2,1	M 24x30	190-280	3	80	57	120	50	108	18x85x45	2,15

Kind of attachment												
Number of legs	1	1	2	2	2		2		3+4		3+4	
Angle of inclination	0°	90°	0°	90°	0°-45°		45°-60°		0°-45°		45°-60°	
Code	Load capacity tons											
TP-F 0,5	1,4	0,5	2,8	1,0	0,7	0,5	1,0	0,75				
TP-F 1	2,8	1,0	5,6	2,0	1,4	1,0	2,12	1,5				
TP-F 1,7	5,0	1,7	10,0	3,4	2,4	1,7	3,55	2,5				
TP-F 2,1	8,0	2,1	16,0	4,0	2,8	2,1	4,25	3,15				

In case of an unsymmetrical load distribution, the lifting capacities applicable to the 2- and 3-/4-leg slings are the same as for 1-leg types at 90°.

Key Eye Point 8-291K M10 Yoke

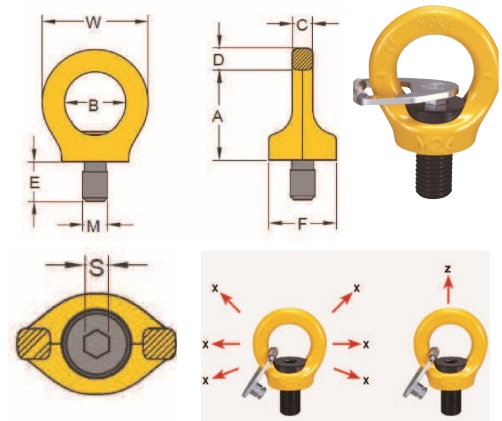
General: The lifting eye rotates through 360° adjustable in the direction of the load.

Material: Alloy steel, quenched and tempered. Captive bolt with high WLL.

Marking: WLL, size, steel quality, CE, manufacturer logo and traceability.

Finish: Painted.

Safety factor: 4:1



Art No	WLL straight pull	Thread version			Dimensions							Weight	
	tons	M	E	Pitch	A	B	C	D	F	S	W	Nm	kg
		mm	mm	DIN13	mm								
11.418-291K-003	1	M 8	12	1,25	36	25	8	9	25	6	44	10	0,1
11.418-291K-004	1	M 10	15	1,5	36	25	8	9	25	6	44	10	0,1
11.418-291K-007	2	M 12	18	1,75	45	30	10		33	8	52	10	0,2
11.418-291K-015	4	M 16	24	2	52	35	14		35	10	61	30	0,3
11.418-291K-023	6	M 20	30	2,5	60	40	16		44	12	70	70	0,6
11.418-291K-032	8	M 24	36	3	72	48	19		52	14	84	150	1,0
11.418-291K-045	12	M 30	45	3,5	90	60	24		60	17	105	350	1,8
11.418-291K-070	16	M 36	54	4	109	72	29		76	22	126	410	3,2
11.418-291K-090	24	M 42	63	4,5	123	82	34		88	24	147	550	5,0
11.418-291K-120	32	M 48	72	5	144	94	38		104	27	168	550	7,6
11.418-291K-140	32	M 56	84	5,5	147	102	40		124	27	178	800	9,2

Eyebolt

General: For a maximum angle of use 90° between the two legs - divide the WLL by two. Approved for lifting. Stated WLL is at 0°.

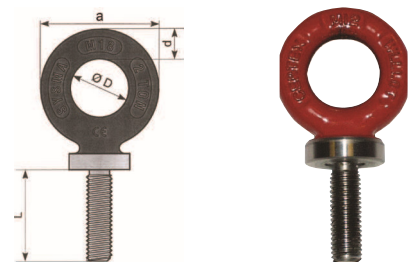
Marking: WLL, sizes, steel quality, CE, productname, traceable.

Material: Alloy steel.

Finish: Red painted.

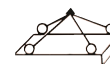
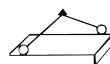
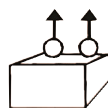
Safety factor: 4:1.

Standard: ISO 3266.



Art No	WLL	Thread	a	d	Ø D	L	Weight	
	tons						kg	
11.40DK2014008	0,4	M8	34	7	20	24	0,05	
11.40DK2014010	0,7	M10	38	8	22	30	0,10	
11.40DK2014012	1,0	M12	47	10	26	36	0,20	
11.40DK2014016	1,5	M16	65	15	35	55	0,40	
11.40DK2014020	2,5	M20	73	17	39	59	0,60	

Other sizes on request



	1	2	2	2	3 or 4 legs	3 or 4 legs
	0°	0°	0°-45°	45°-60°	0°-45°	45°-60°
Size	Single leg	2 legs	2 legs	2 legs	3 or 4 legs	3 or 4 legs
M8	0,4	0,8	0,14	0,10	0,20	0,14
M10	0,7	1,4	0,25	0,18	0,35	0,25
M12	1,0	2,0	0,35	0,25	0,50	0,35
M16	1,5	3,0	0,53	0,38	0,75	0,53
M20	2,5	5,0	0,86	0,63	1,25	0,86
M24	4,0	8,0	1,40	1,00	2,00	1,40

Swivel Eye Bolt with Screw 801

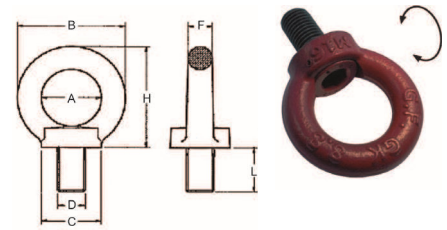
General: Swivel eye bolt with screw, to be screwed with appropriate spanner.

Material: Alloy steel 8.8.

Marking: Marked with WLL, sizes, steel quality, CE, producename, tracability.

Finish: Red painted.

Safety factor: 4:1.



Art No	WLL	Thread D	L	A	B	C	E	H	Weight
	tons								
11.40C80106	0,4	M6	15	25	45	25	10	45	0,090
11.40C80108	0,8	M8	15	25	45	25	10	45	0,090
11.40C80110	1	M10	16	25	45	25	10	45	0,110
11.40C80112	1,6	M12	22	35	63	35	14	62	0,270
11.40C80114	3	M14	20	35	63	35	14	62	0,290
11.40C80116	4	M16	29	35	63	35	14	62	0,310

	0°	0°	90°	90°	0°-45°	45°-60°	0°-45°	45°-60°
WLL tons								
Size	Single leg	2 legs	Single leg	2 legs	2 legs		3 or 4 legs	
M6X15	0,4	0,8	0,1	0,2	0,14	0,1	0,2	0,14
M8X15	0,8	1,6	0,2	0,4	0,28	0,2	0,4	0,28
M10X16	1,0	2,0	0,25	0,5	0,35	0,25	0,5	0,35
M12X22	1,6	3,2	0,4	0,8	0,56	0,4	0,8	0,56
M14X20	3,0	6,0	0,75	1,5	1,0	0,75	1,5	1,0
M16X29	4,0	8,0	1,0	2,0	1,4	1,0	2,0	1,4

Eye Bolt 803

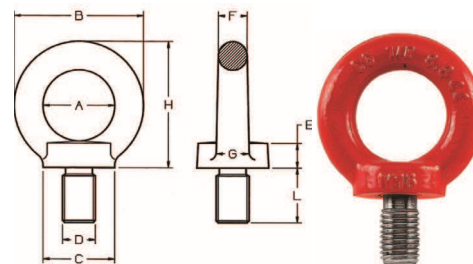
General: Eye bolt to be screwed by hand.

Material: Alloy steel 8.8.


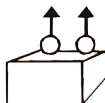
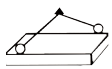
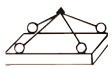
Marking: Marked with WLL, sizes, steel quality, CE, producename, tracability.

Finish: Red painted.

Safety factor: 4:1.



Art No	WLL tons	Size DxL mm	A	B	C	E	F	H	Weight kg
			mm						
11.40C80306	0,4	M6X13	25	45	25	10	10	45	0,090
11.40C80308	0,8	M8X13	25	45	25	10	10	45	0,090
11.40V80310	1	M10X17	25	45	25	10	10	45	0,110
11.40C80312	1,6	M12X21	35	63	35	14	14	62	0,270
11.40C80314	3	M14X21	35	63	35	14	14	62	0,290
11.40C80316	4	M16X27	35	63	35	14	14	62	0,310
11.40C80318	5	M18X27	50	90	50	20	20	90	0,840
11.40C80320	6	M20X30	50	90	50	20	20	90	0,860
11.40C80322	7	M22X36	50	90	50	20	20	90	0,900

						
	0°	0°	0°-45°	45°-60°	0°-45°	45°-60°
	WLL tons					
Size	Single leg	2 legs	2 legs		3 or 4 legs	
M6X13	0,4	0,8	0,14	0,1	0,2	0,14
M8X13	0,8	1,6	0,28	0,2	0,4	0,28
M10X17	1,0	2,0	0,35	0,25	0,5	0,35
M12X21	1,6	3,2	0,56	0,4	0,8	0,56
M14X21	3,0	6,0	1,0	0,75	1,5	1,0
M16X27	4,0	8,0	1,4	1,0	2,0	1,4
M18X27	5,0	10	1,8	1,25	2,5	1,8
M20X30	6,0	12	2,1	1,5	3,0	2,1
M22X36	7,0	14	2,4	1,75	3,5	2,4

Eye Nut 802

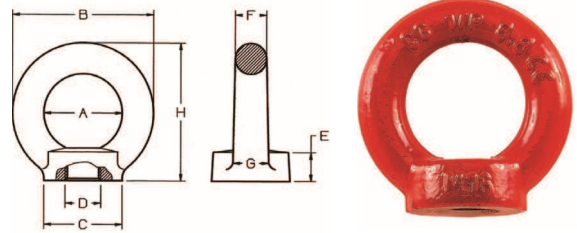
General: Eye nut to be screwed by hand.

Material: Alloy steel 8.8.

Marking: Marked with WLL, sizes, steel quality, CE, producename, tracability.

Finish: Red painted.

Safety factor: 4:1.


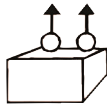

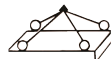


Note: Approved for lifting

Art No	WLL	Size DxL	A	B	C	E	F	H	Weight
	tons	mm	mm						kg
11.40C80324	8	M24X36	50	90	50	20	20	90	0,900
11.40C80327	10	M27X45	60	108	65	24	24	109	1,660



Art No	WLL	Size DxL	A	B	C	E	F	H	Weight
	tons	mm	mm						kg
11.40C80206	0,4	M6	25	45	25	10	10	45	0,100
11.40C80208	0,8	M8	25	45	25	10	10	45	0,100
11.40C80210	1	M10	25	45	25	10	10	45	0,100
11.40C80212	1,6	M12	35	63	35	14	14	62	0,260
11.40C80214	3	M14	35	63	35	14	14	62	0,260
11.40C80216	4	M16	35	63	35	14	14	62	0,260
11.40C80218	5	M18	50	90	50	20	20	90	0,750
11.40C80220	6	M20	50	90	50	20	20	90	0,750

						
	0°	0°	0°-45°	45°-60°	0°-45°	45°-60°
	WLL tons					
Size	Single-leg	2-leg	2-leg		3- or 4-leg	
M6	0,4	0,8	0,14	0,1	0,2	0,14
M8	0,8	1,6	0,28	0,2	0,4	0,28
M10	1,0	2,0	0,35	0,25	0,5	0,35
M12	1,6	3,2	0,56	0,4	0,8	0,56
M14	3,0	6,0	1,0	0,75	1,5	1,0
M16	4,0	8,0	1,4	1,0	2,0	1,4
M18	5,0	10	1,8	1,25	2,5	1,8
M20	6,0	12	2,1	1,5	3,0	2,1

Eye Bolt S-276

General: Shaft without thread.

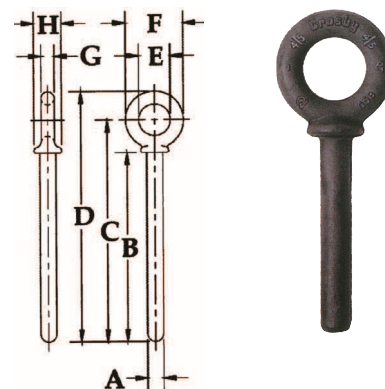
Features: Lifting at 45° to angular only 30% WLL. Lifting at 90° to angular only 25% WLL. WLL ratings are with metric threading.

Material: Forged steel. Quenched and tempered.

Safety factor: 4:1.



Note: Please inform item type and length when ordering.



Crosby

Art No	WLL	Shank DxL	Rec. thread	A	B	C	D	E	F	G	H	Weight
				mm								
11.401045746	0,22	6,35 x 51	M5	6,35	51,0	63,5	74,5	12,7	22,4	4,85	11,9	2,49
11.401045764	0,22	6,35 x 102	M5	6,35	102	114	125	12,7	22,4	4,85	11,9	3,18
11.401045782	0,275	7,94 x 57	M6	7,85	57	74,5	89,0	16,0	28,7	6,35	14,2	2,86
11.401045808	0,275	7,94 x 108	M6	7,85	108	125	140	16,0	28,7	6,35	14,2	6,71
11.401045826	0,5	9,53 x 63,5	M8	9,65	63,5	83,5	101	19,1	35,1	7,85	16,8	8,53
11.401045844	0,5	9,53 x 114	M8	9,65	114	134	152	19,1	35,1	7,85	16,8	11,3
11.401045862	0,75	12,7 x 82,5	M10	12,7	82,5	108	130	25,4	44,5	9,65	23,1	15,0
11.401045880	0,75	12,7 x 152	M10	12,7	152	178	200	25,4	44,5	9,65	23,1	22,7
11.401045906	1,575	15,9 x 102	M14	16,0	102	135	164	31,8	57,0	12,7	28,4	31,2
11.401045924	1,575	15,9 x 152	M14	16,0	152	186	214	31,8	57,0	12,7	28,4	34
11.401045942	2,16	19,1 x 114	M16	19,1	114	154	189	38,1	70,0	15,7	35,1	57
11.401045960	2,16	19,1 x 152	M16	19,1	152	192	227	38,1	70,0	15,7	35,1	68
11.401045988	3,375	22,2 x 127	M20	22,4	127	174	215	44,5	82,5	19,1	39,6	91
11.401046022	4,225	25,4 x 152	M22	25,4	152	205	253	51,0	95,5	22,4	46,0	135

Shackle G-209

Design: Screw pin anchor shackle.

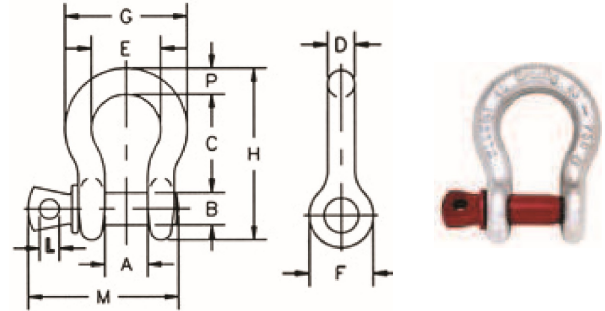
Material: Carbon steel with headbolt in alloy steel.

Marking: WLL.

Proof load: 2 x WLL.

Finish: Galvanized with painted bolt.

Safety factor: 6:1.



25t and up

Grosby

Art No	Stock code	WLL	Nominal-size	A	B	C	D	E	F	G	H	L	M	P	Weight
		tons	In.	mm											kg/pc.
11.311018357	05A0190	0,33	3/16	9,65	6,35	22,4	4,85	15,2	14,2	24,9	37,3	4,06	28,4	4,85	0,03
11.311018375	05A0200	0,5	1/4	11,9	7,85	28,7	6,35	19,8	15,5	32,5	46,7	4,85	35,1	6,35	0,05
11.311018393	05A0180	0,75	5/16	13,5	9,65	31,0	7,85	21,3	19,1	37,3	53,0	5,60	42,2	7,85	0,09
11.311018419	05A0210	1	3/8	16,8	11,2	36,6	9,65	26,2	23,1	45,2	63,0	6,35	51,5	9,65	0,14
11.311018437	05A0220	1,5	7/16	19,1	12,7	42,9	11,2	29,5	26,9	51,5	74,0	7,85	60,5	11,2	0,17
11.311018455	05A0230	2	1/2	20,6	16,0	47,8	12,7	33,3	30,2	58,5	83,5	9,65	68,5	12,7	0,33
11.311018473	05A0240	3,25	5/8	26,9	19,1	60,5	16,0	42,9	38,1	74,5	106	11,2	85,0	17,5	0,62
11.311018491	05A0250	4,75	3/4	31,8	22,4	71,5	19,1	51,0	46,0	89,0	126	12,7	101	20,6	1,07
11.311018516	05A0260	6,5	7/8	36,6	25,4	84,0	22,4	58,0	53,0	102	148	12,7	114	24,6	1,64
11.311018534	05A0270	8,5	1	42,9	28,7	95,5	25,4	68,5	60,5	119	167	14,2	129	26,9	2,28
11.311018552	05A0280	9,5	1 1/8	46,0	31,8	108	29,5	74,0	68,5	131	190	16,0	142	31,8	3,36
11.311018570	05A0300	12	1 1/4	51,5	35,1	119	32,8	82,5	76,0	146	210	17,5	156	35,1	4,31
11.311018598	05A0310	13,5	1 3/8	57,0	38,1	133	36,1	92,0	84,0	162	233	19,1	174	38,1	6,14

Weld-on Lifting Device TAPSK

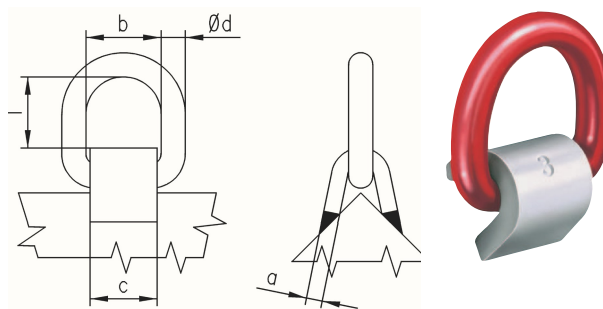
Typical applications: Weld-on lifting device for edgy surfaces.

Material: Grade 80.

Features: 180° swing.

Finish: Red painted.

Safety factor: 4:1 in all directions.



Art No	Type	WLL	a	b	c	d	l	Weight
			mm					
11.41380703100	TAPSK 3	3,15	12	56	50	18	53	1,01

Kind of attachment								
	Number of lifting points	1	2	2	2	3 or 4	3 or 4	
Angle of inclination	0°	0°	0°-45°	45°-60°	0°-45°	45°-60°		
Type	WLL tons							
TAPSK 3	3,15	6,3	4,25	3,15	6,3	4,75		
TAPSK 5	5,3	10,6	7,1	5,3	11,2	8,0		

Shackle with screw pin, Black-

General: Forged alloy steel shackle. Supplied with alloy screw pin.

Material: Forged, quenched and tempered.

Marking: WLL, charge number and manufacturer ID.

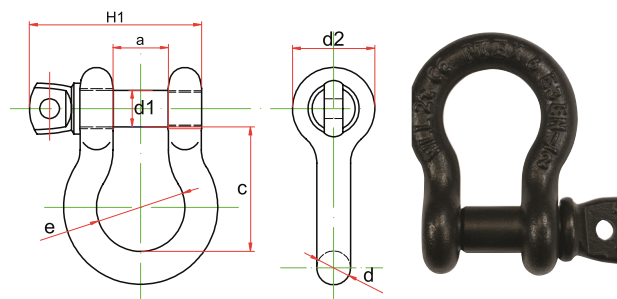
Standard: Meets the performance requirements of US Federal Specification RR-C-271.

Finish: Mat black painted.

Safety factor: 6:1.

Max. proof load: 2 times the WLL.

POWERTEX



Art No	Stock Code	Code	WLL	Pin Ø d1	a*	c*	d	d2	e	Weight
					mm					
11.31PBSP00050BK	05A4200	1332	0,5	8	13	29	6,5	17,5	20	0,048
11.31PBSP00075BK	05A4205	1333	0,75	9,5	13,5	31	8	21	21,5	0,082
11.31PBSP00100BK	05A4210	1334	1	11,2	17	36,5	10	25	26,2	0,150
11.31PBSP00200BK	05A4230	1336	2	15,8	20,6	47,75	12,7	30,5	33,3	0,30

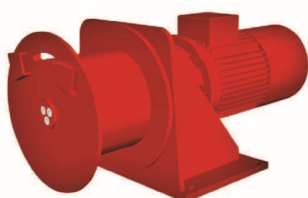
RED ROOSTER AIR COMPRESSED WINCHES



RED ROOSTER compressed air winches offer a wide selection for industrial and maritime use. All Red Rooster winches comply with ATEX 94/9/EC directive and may be used in areas and surroundings with danger of fire or explosion due to gases, chemicals or dust. Red Rooster winches operate mechanically with compressed air hence causing no sparks unlike electric hoists.

Red Rooster winches have been used and developed for 25 years and they are safe, easy to use and they function reliably even in difficult circumstances.

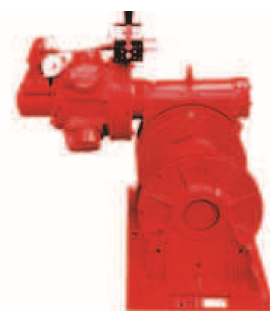
Note! In order to operate properly, winches require a high quality air compression network equipped with a moisture remover and lubrication system. The necessary components can be supplied with the product.



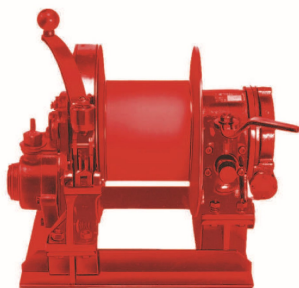
FD-series, 8 models
 Max. workloads
 800 - 5250 kg



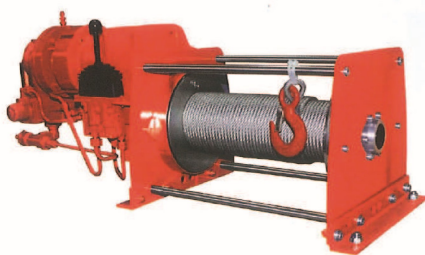
SB-series for lifting, 14 models
 Max. workloads
 1200 - 20000 kg



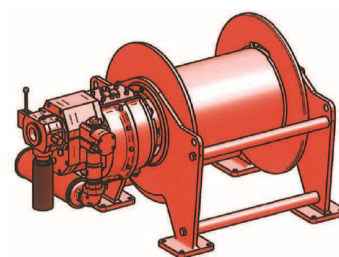
LV-series, 6 models
 Max. workloads
 250 - 2000 kg



RRI-series, 4 models
 Max. workloads
 500 - 2000 kg



PFW-L-series for lifting, 6 models
 Max. workloads
 500 - 3000 kg



OAW offshore-series, 14 models
 Max. workloads
 1955 - 14980 kg

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 winches from our sales!
 Every product is tailored
 according to the
 customer's needs.**

LIFTING EYES



Grade 80 »

Grade 100 »

With ball bearings »

Boltable / Weld-on »

Stainless steel »

Container lifting lugs »

Instructions for using Haklift lifting points

In multiple leg lifting the angles are side angles, the angles between slings are correspondingly 0 – 90° (0-45°) and 90 – 120° (45-60°).

Lifting eyes with thread must always be tightened with a tool onto the object to be lifted. Avoid making it too tight, however.

If the lifter hook is attached directly to the lifting eye it must fit in a way that the load is directed towards the hook bottom, not the tip.

If a lifting eye with a long thread is used in an unthreaded hole and a nut on the other end, one must ensure that the hole diameter is max. 10 % bigger than the diameter of the thread of the lifting eye and that the nut is tightened carefully and its strength category is at least 8.8. The screw must be so long that the entire length of the nut can be screwed to it.

With DIN 580 and DIN 582 lifting points the operating temperature is -20 - (+)200 °C.

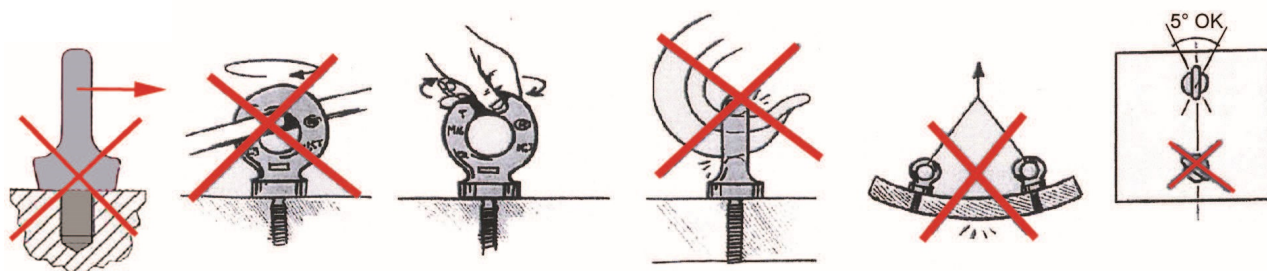
Minimum thread lengths for different materials when using screw eyes,
 d = lifting eye thread diameter

Steel	Cast iron	Aluminium	Aluminium-Magnesium alloy
1 x d	1,25 x d	2 x d	2,5 x d

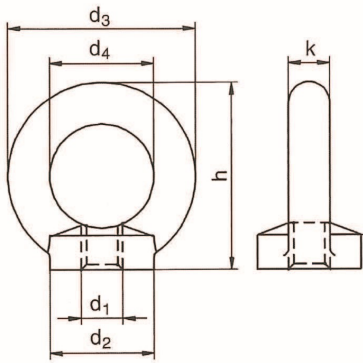
Grade 80 lifting eyes

Lifting eye must be attached by twisting with hand or using a tool suitable for the work so that the leg part of the eye touches the surface of the item being lifted with its whole plane. Do not exceed the tightening torque given.

Ensure that the lifting eye's arc is pointing towards the lifting direction. Also in multilegged lifts the eye arc must be towards the direction of the load. DIN 580 / DIN 582 type lifting eyes must not be loaded horizontally.



LIFTING EYE NUTS FOR VERTICAL LIFTING DIN 582



Size	d2	d3	d4	h	k	Pack. size pcs	Weight kg	Product code
M 6	20	36	20	36	8	50	0,048	NSM06
M 8	20	36	20	36	8	50	0,05	NSM08
M10	25	45	25	45	10	50	0,09	NSM10
M12	30	54	30	53	12	25	0,16	NSM12
M14	35	63	35	62	14	25	0,24	NSM14
M16	35	63	35	62	14	10	0,24	NSM16
M18	40	72	40	71	16	10	0,36	NSM18
M20	40	72	40	71	16	10	0,36	NSM20
M22	45	81	45	80,5	18	1	0,58	NSM22
M24	50	90	50	90	20	1	0,72	NSM24
M27	55	96	53	97	22	1	0,7	NSM27
M30	65	108	60	109	24	1	1,32	NSM30
M33	65	108	60	109	24	1	1,3	NSM33
M36	75	126	70	128	28	1	2,08	NSM36
M39	85	144	80	147	32	1	2,02	NSM39
M42	85	144	80	147	32	1	3,11	NSM42
M45	100	166	90	168	38	1	3,04	NSM45
M48	100	166	90	168	38	1	5,02	NSM48
M52	110	184	100	187	42	1	4,95	NSM52
M56	110	184	100	187	42	1	6,69	NSM56
M64	120	206	110	208	48	1	9,3	NSM64

Larger sizes and inch sizes also available.

IP-PACKED



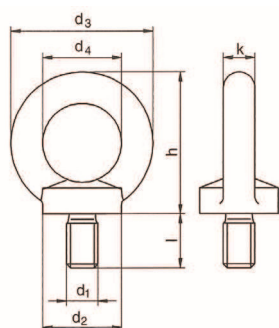
IP packing pcs	Package size pcs	Product code
4	15	NSM06IP4
2	15	NSM08IP2
2	15	NSM10IP2
1	15	NSM12IP1

See also other IP-packed products starting on page 15-6.

WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
M6	0,08	not allowed	0,16	not allowed	0,05	not allowed	0,08	not allowed
M8	0,14	not allowed	0,28	not allowed	0,10	not allowed	0,14	not allowed
M10	0,23	not allowed	0,46	not allowed	0,17	not allowed	0,23	not allowed
M12	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed
M14	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed
M16	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed
M18	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed
M20	1,20	not allowed	2,40	not allowed	0,83	not allowed	1,20	not allowed
M22	1,20	not allowed	2,40	not allowed	0,83	not allowed	1,20	not allowed
M24	1,80	not allowed	3,60	not allowed	1,27	not allowed	1,80	not allowed
M27	2,50	not allowed	5,00	not allowed	1,78	not allowed	2,50	not allowed
M30	3,20	not allowed	6,40	not allowed	2,28	not allowed	3,20	not allowed
M33	3,20	not allowed	6,40	not allowed	2,28	not allowed	3,20	not allowed
M36	4,60	not allowed	9,20	not allowed	3,28	not allowed	4,60	not allowed
M39	4,60	not allowed	9,20	not allowed	3,28	not allowed	4,60	not allowed
M42	6,30	not allowed	12,60	not allowed	4,50	not allowed	6,30	not allowed
M45	6,30	not allowed	12,60	not allowed	4,50	not allowed	6,30	not allowed
M48	8,60	not allowed	17,20	not allowed	6,10	not allowed	8,60	not allowed
M52	8,60	not allowed	17,20	not allowed	6,10	not allowed	8,60	not allowed
M56	11,50	not allowed	23,00	not allowed	8,30	not allowed	11,50	not allowed
M64	16,00	not allowed	32,00	not allowed	11,00	not allowed	16,00	not allowed
M72	20,00	not allowed	40,00	not allowed	14,28	not allowed	20,00	not allowed
M80	28,00	not allowed	56,00	not allowed	20,00	not allowed	28,00	not allowed
M100	40,00	not allowed	80,00	not allowed	28,57	not allowed	40,00	not allowed

LIFTING EYE SCREWS FOR VERTICAL LIFTING DIN 580



Size	d2	d3	d4	h	k	l	Pack. size pcs	Weight kg	Product code
M 6	20	36	20	36	8	13	50	0,05	NSR06
M 8	20	36	20	36	8	13	50	0,06	NSR08
M10	25	45	25	45	10	17	50	0,11	NSR10
M12	30	54	30	53	12	20,5	25	0,18	NSR12
M14	35	63	35	62	14	27	25	0,28	NSR14
M16	35	63	35	62	14	27	10	0,28	NSR16
M18	40	72	40	71	16	30	10	0,45	NSR18
M20	40	72	40	71	16	30	10	0,45	NSR20
M22	45	81	45	80,5	18	35	1	0,67	NSR22
M24	50	90	50	90	20	36	1	0,87	NSR24
M27	55	96	53	97	22	39	1	0,88	NSR27
M30	65	108	60	109	24	45	1	1,66	NSR30
M33	65	108	60	109	24	45	1	1,66	NSR33
M36	75	126	70	128	28	54	1	2,65	NSR36
M39	85	144	80	147	32	63	1	4,03	NSR39
M42	85	144	80	147	32	63	1	4,03	NSR42
M45	100	166	90	168	38	68	1	6,38	NSR45
M48	100	166	90	168	38	68	1	6,38	NSR48
M52	110	184	100	187	42	78	1	8,8	NSR52
M56	110	184	100	187	42	78	1	8,8	NSR56
M64	120	206	110	208	48	90	1	12,4	NSR64

Larger sizes and inch sizes also available.

IP-PACKED



IP packing pcs	Packing size pcs	Product code
4	15	NSR06IP4
2	15	NSR08IP2
2	15	NSR10IP2
1	15	NSR12IP1

See also other IP-packed products starting on page 15-6.

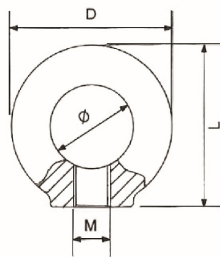
WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
M6	0,08	not allowed	0,16	not allowed	0,05	not allowed	0,08	not allowed
M8	0,14	not allowed	0,28	not allowed	0,10	not allowed	0,14	not allowed
M10	0,23	not allowed	0,46	not allowed	0,17	not allowed	0,23	not allowed
M12	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed
M14	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed
M16	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed
M18	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed
M20	1,20	not allowed	2,40	not allowed	0,83	not allowed	1,20	not allowed
M22	1,20	not allowed	2,40	not allowed	0,83	not allowed	1,20	not allowed
M24	1,80	not allowed	3,60	not allowed	1,27	not allowed	1,80	not allowed
M27	2,50	not allowed	5,00	not allowed	1,78	not allowed	2,50	not allowed
M30	3,20	not allowed	6,40	not allowed	2,28	not allowed	3,20	not allowed
M33	3,20	not allowed	6,40	not allowed	2,28	not allowed	3,20	not allowed
M36	4,60	not allowed	9,20	not allowed	3,28	not allowed	4,60	not allowed
M39	4,60	not allowed	9,20	not allowed	3,28	not allowed	4,60	not allowed
M42	6,30	not allowed	12,60	not allowed	4,50	not allowed	6,30	not allowed
M45	6,30	not allowed	12,60	not allowed	4,50	not allowed	6,30	not allowed
M48	8,60	not allowed	17,20	not allowed	6,10	not allowed	8,60	not allowed
M52	8,60	not allowed	17,20	not allowed	6,10	not allowed	8,60	not allowed
M56	11,50	not allowed	23,00	not allowed	8,30	not allowed	11,50	not allowed
M64	16,00	not allowed	32,00	not allowed	11,00	not allowed	16,00	not allowed
M72	20,00	not allowed	40,00	not allowed	14,28	not allowed	20,00	not allowed
M80	28,00	not allowed	56,00	not allowed	20,00	not allowed	28,00	not allowed
M100	40,00	not allowed	80,00	not allowed	28,57	not allowed	40,00	not allowed

LIFTING EYES FOR ALL LIFTING DIRECTIONS, GRADE 80

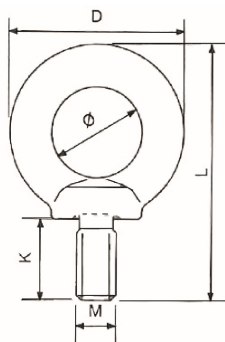
Lifting eye nut

- grade 80
- WLL for vertical lifting is marked on the eye
- in lateral lifting the load is 25% of the vertical lifting WLL
- powder coated
- safety factor 4 : 1



Size	D	Ø	L	Weight	Product code
M	mm	mm	mm	kg	
M6	36	20	36	0,05	NS8M06
M8	36	20	36	0,05	NS8M08
M10	45	25	45	0,09	NS8M10
M12	54	30	53	0,16	NS8M12
M14	63	35	62	0,24	NS8M14
M16	63	35	62	0,24	NS8M16
M20	72	40	71	0,36	NS8M20
M24	90	50	90	0,72	NS8M24
M30	108	60	109	1,32	NS8M30
M36	126	70	128	2,08	NS8M36
M42	144	80	147	3,11	NS8M42
M48	166	90	168	5,02	NS8M48

Lifting eye screw



Size	D	K	Ø	L	Weight	Product code
M	mm	mm	mm	mm	kg	
M6	28	13	16	42	0,05	NS8R06
M8	39	15	20	51	0,06	NS8R08
M10	45	18	25	63	0,11	NS8R10
M12	54	22	30	75	0,18	NS8R12
M14	63	28	35	88	0,28	NS8R14
M16	63	28	35	88	0,28	NS8R16
M20	72	30	40	101	0,45	NS8R20
M24	90	38	50	128	0,87	NS8R24
M30	108	45	60	154	1,66	NS8R30
M36	126	55	70	183	2,65	NS8R36
M42	144	65	80	212	4,03	NS8R42
M48	166	70	90	238	6,38	NS8R48

WLL

Size	Tightening torque								Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
M6	0,40	0,15	0,80	0,30	0,21	0,15	0,32	0,23	3,5
M8	1,00	0,40	2,00	0,80	0,56	0,40	0,84	0,60	8,0
M10	1,00	0,40	2,00	0,80	0,56	0,40	0,84	0,60	16,0
M12	2,00	0,75	4,00	1,50	1,05	0,75	1,58	1,13	28,0
M14	4,00	1,50	8,00	3,00	2,10	1,50	3,15	2,25	70,0
M16	4,00	1,50	8,00	3,00	2,10	1,50	3,15	2,25	70,0
M20	6,00	2,30	12,00	4,60	3,22	2,30	4,83	3,45	135,0
M24	8,00	3,20	16,00	6,40	4,48	3,20	6,72	4,80	230,0
M30	12,00	4,50	24,00	9,00	6,30	4,50	9,45	6,75	465,0
M36	16,00	7,00	32,00	14,00	9,80	7,00	14,70	10,50	814,0
M42	24,00	9,00	48,00	18,00	12,60	9,00	18,90	13,50	1304,0
M48	32,00	12,00	64,00	24,00	16,80	12,00	25,20	18,00	1981,0

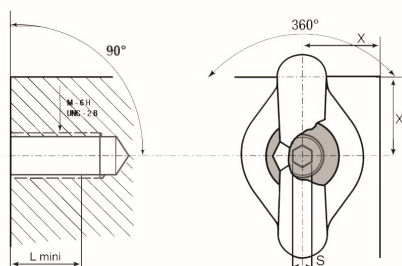
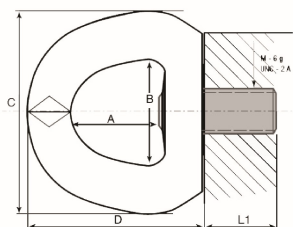
BOLTABLE LIFTING EYE SCREWS WITH SWIVEL, GRADE 80

- grade 80
- for lifting in all positions
- can be turned to the direction of the load
- separate attachment bolt
- paint coated
- safety factor 5 : 1



Models made of stainless steel also available, ask for more from our sales.

- M12 - 0,55 t**
- M16 - 1,20 t**
- M20 - 1,50 t**
- M24 - 2,50 t**



Size	L1	S	A	B	C	D	Weight	Product code
	mm	mm	mm	mm	mm	mm	kg	
M8	14	4	30	34	60	57	0,24	*NS8R08SEB
M10	17	4	30	34	60	57	0,24	NS8R10SEB
M12	21	4	30	34	60	57	0,24	NS8R12SEB
M16	27	8	38	45	90	79	0,80	NS8R16SEB
M20	30	8	38	45	90	79	0,80	NS8R20SEB
M24	36	14	58	70	134	115	2,60	NS8R24SEB
M30	45	14	58	70	134	115	2,70	*NS8R30SEB
M36	54	14	88	94	190	166	8,00	*NS8R36SEB

*Items marked with an asterisk delivery time 1-2 weeks

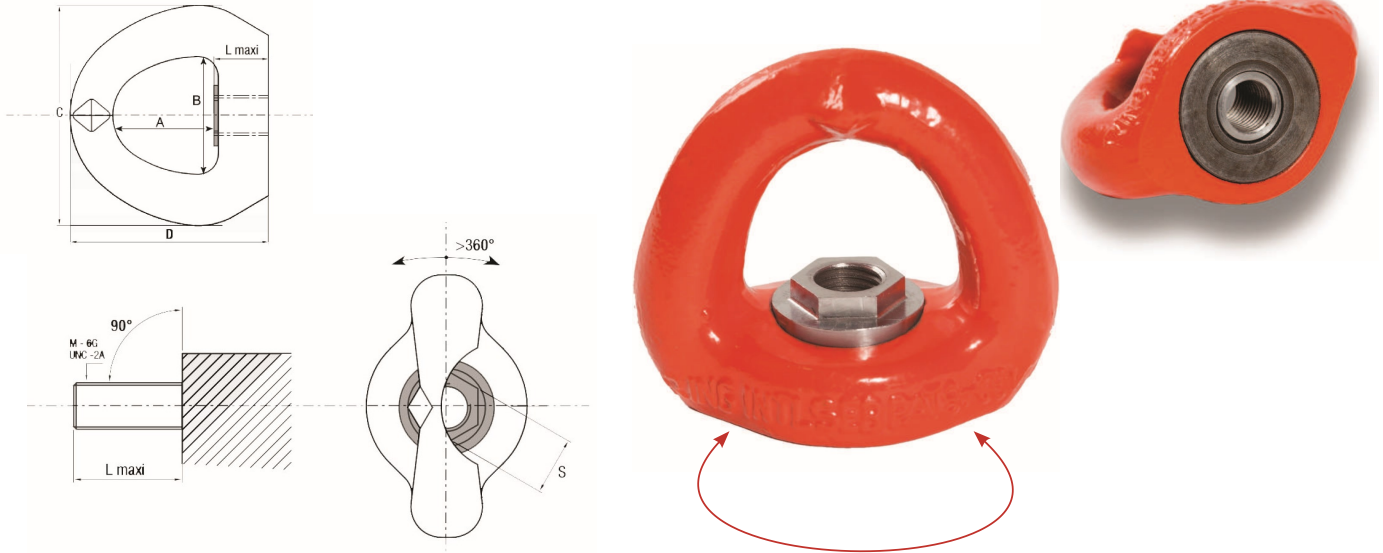
WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Tightening torque Nm
M8	0,30	0,30	0,60	0,60	0,42	0,30	0,63	0,45	8
M10	0,60	0,60	1,20	1,20	0,84	0,60	1,26	0,90	10
M12	1,00	1,00	2,00	2,00	1,40	1,00	2,10	1,50	15
M16	1,60	1,60	3,20	3,20	2,24	1,60	3,36	2,40	50
M20	2,50	2,50	5,00	5,00	3,50	2,50	5,25	3,75	100
M24	4,00	4,00	8,00	8,00	5,60	4,00	8,40	6,00	160
M30	6,30	6,30	12,60	12,60	8,82	6,30	13,23	9,45	250
M36	10,00	10,00	20,00	20,00	14,00	10,00	21,00	15,00	320

BOLTABLE LIFTING EYE NUTS WITH SWIVEL, GRADE 80



- grade 80
- for lifting in all positions
- can be turned to the direction of the load
- separate attachment bolt
- paint coated
- safety factor 5 : 1



Size	L max.	S	A	B	C	D	Weight	Product code
	mm	mm	mm	mm	mm	mm	kg	
M8	21	21	38	45	90	78	0,8	NS8M08FE.SEB
M10	21	21	38	45	90	78	0,8	NS8M10FE.SEB
M12	21	21	38	45	90	78	0,8	NS8M12FE.SEB
M16	21	21	38	45	90	78	0,8	NS8M16FE.SEB
M20	31	36	58	70	134	115	2,5	NS8M20FE.SEB
M24	45	40	88	94	190	166	8,0	NS8M24FE.SEB
M30	45	40	88	94	190	166	8,0	*NS8M30FE.SEB
M36	45	40	88	94	190	166	8,0	*NS8M36FE.SEB

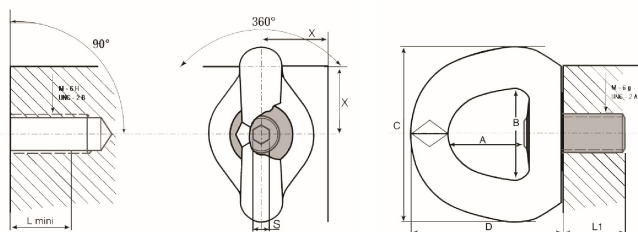
*Items marked with an asterisk delivery time 1-2 weeks

WLL

Size									Tightening torque
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Nm
M8	0,30	0,30	0,60	0,60	0,42	0,30	0,63	0,45	6
M10	0,60	0,60	1,20	1,20	0,84	0,60	1,26	0,90	10
M12	1,00	1,00	2,00	2,00	1,40	1,00	2,10	1,50	15
M16	1,60	1,60	3,20	3,20	2,24	1,60	3,36	2,40	50
M20	2,50	2,50	5,00	5,00	3,50	2,50	5,25	3,75	100
M24	4,00	4,00	8,00	8,00	5,60	4,00	8,40	6,00	160
M30	6,30	6,30	12,60	12,60	8,82	6,30	13,23	9,45	250
M36	10,00	10,00	20,00	20,00	14,00	10,00	21,00	15,00	320

INCH THREADED BOLTABLE LIFTING EYES WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 80

- grade 80
- inch threaded
- for lifting in all positions
- eye turns to the direction of the load
- paint coated
- safety factor 5 : 1



Size	L1	S	A	B	C	D	Weight	Product code
	mm	mm	mm	mm	mm	mm	kg	
UNC 3/8"	16	4	30	34	60	57	0,24	NS8R3/8
UNC 1/2"	21	4	30	34	60	57	0,24	NS8R1/2
UNC 5/8"	27	8	38	45	90	78	0,80	NS8R5/8
UNC 3/4"	30	8	38	45	90	78	0,80	NS8R3/4
UNC 1"	36	14	58	70	134	115	2,60	NS8R1
UNC 1"1/4	45	14	58	70	134	115	2,60	*NS8R114
UNC 1"1/2	62	14	88	94	190	166	8,00	*NS8R112

*Items marked with an asterisk delivery time 1-2 weeks

WLL (lbs)

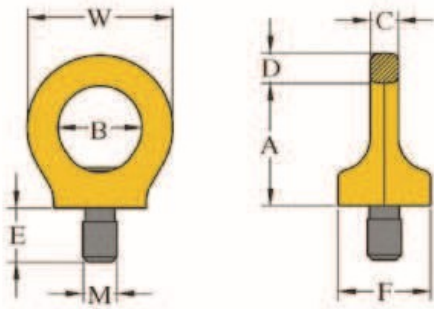
Size	WLL lbs	WLL lbs	WLL lbs	WLL lbs	WLL lbs 0 - 45°	WLL lbs 45 - 60°	WLL lbs 0 - 45°	WLL lbs 45 - 60°	Tightening torque max. foot lbs.
UNC 3/8"	1200	1200	2400	2400	1680	1200	2520	1800	8 FL
UNC 1/2"	2200	2200	4400	4400	3080	2200	4620	3300	12 FL
UNC 5/8"	3800	3800	7600	7600	5320	3800	7980	5700	40 FL
UNC 3/4"	5500	5500	11000	11000	7700	5500	11550	8250	80 FL
UNC 1"	10000	10000	20000	20000	14000	10000	21000	15000	125 FL
UNC 1"1/4	14000	14000	28000	28000	19600	14000	29400	21000	200 FL
UNC 1"1/2	20000	20000	40000	40000	28000	20000	42000	30000	300 FL

WLL (t)

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Tightening torque max. Nm
UNC 3/8"	0,544	0,544	1,088	1,088	0,762	0,544	1,142	0,816	10,8464
UNC 1/2"	0,998	0,998	1,996	1,996	1,397	0,998	2,096	1,497	16,2696
UNC 5/8"	1,724	1,724	3,448	3,448	2,414	1,724	3,620	2,586	54,232
UNC 3/4"	2,495	2,495	4,990	4,990	3,493	2,495	5,240	3,743	108,464
UNC 1"	4,536	4,536	9,072	9,072	6,350	4,536	9,526	6,804	169,475
UNC 1"1/4	6,350	6,350	12,700	12,700	8,890	6,350	13,335	9,525	271,16
UNC 1"1/2	9,072	9,072	18,144	18,144	12,701	9,072	19,051	13,608	406,74

BOLTABLE LIFTING EYE SCREWS FOR ALL LIFTING DIRECTIONS, GRADE 100

- grade 100
- for lifting in all positions
- can be turned to the direction of the load
- bolt key integrated to the lifting eye
- paint coated
- safety factor 4 : 1



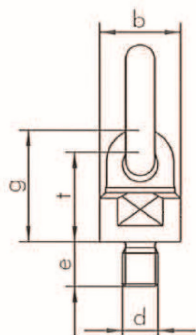
Size	A	B	C	D	E	F	S	W	Weight	Product code
	mm	mm	mm	mm	mm	mm	mm	mm	kg	
M10	36	25	8	11	15	25	6	44	0.1	NS8R10LY
M12	42	30	10	13	18	33	8	52	0.2	NS8R12LY
M16	51	35	14	13	24	35	10	61	0.3	NS8R16LY
M20	57	40	16	17	30	44	12	70	0.6	NS8R20LY
M24	70	48	19	21	36	52	14	84	1.0	NS8R24LY
M30	86	60	24	26	45	62	17	108	1.8	NS8R30LY
M36	103	72	29	32	54	78	22	130	3.2	NS8R36LY
M42	123	82	34	32	63	88	24	147	5.0	NS8R42LY
M48	144	94	38	37	72	104	27	168	7.6	NS8R48LY
M56	147	102	40	43	84	124	27	178	9.2	NS8R56LY
M64	147	102	40	43	95	124	27	178	10,0	NS8R64LY

WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
M10	1,00	0,40	2,00	0,80	0,56	0,40	0,84	0,60
M12	2,00	0,75	4,00	1,50	1,05	0,75	1,58	1,13
M16	4,00	1,50	8,00	3,00	2,10	1,50	3,15	2,25
M20	6,00	2,30	12,00	4,60	3,22	2,30	4,83	3,45
M24	8,00	3,20	16,00	6,40	4,48	3,20	6,72	4,80
M30	12,00	4,50	24,00	9,00	6,30	4,50	9,45	6,75
M36	16,00	7,00	32,00	14,00	9,80	7,00	14,70	10,50
M42	24,00	9,00	48,00	18,00	12,60	9,00	18,90	9,00
M48	32,00	12,00	64,00	24,00	16,80	12,00	25,00	12,00
M56	32,00	12,00	64,00	24,00	16,80	12,00	25,00	12,00
M64	32,00	12,00	64,00	24,00	16,80	12,00	25,00	12,00

LIFTING EYEWSCREWS WITH BALL BEARING SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 80

- grade 80
- eye turns to the direction of the load
- paint coated
- safety factor 4 : 1
- also available with longer 120 mm thread



With long thread

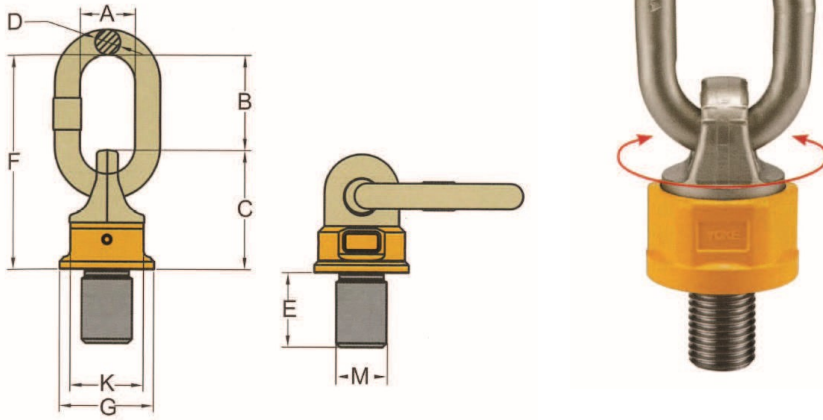
Size	b	e	g	t	Inner dimensions of the eye thickness x height x width mm	Weight	Product code	Product code with 120 mm thread
d	mm	mm	mm	mm		kg		
M10	36	18	51	41	14x55x30	0,43	NS8KL1003	-
M12	36	18	51	41	14x55x30	0,44	NS8KL1205	-
M16	36	20	52	42	14x55x30	0,46	NS8KL161	NS8KL161120
M20	50	30	68	56	16x70x34	0,96	NS8KL202	NS8KL202120
M24	57	40	78	65,5	18x85x37	1,45	NS8KL2432	NS8KL243120
M30	66	35	97	80,5	20x85x37	2,17	NS8KL3053	NS8KL305120
M30	80	35	112	92	22x115x50	3,57	NS8KL308	NS8KL308120
M36	80	50	109	89,5	22x115x50	4,17	NS8KL368	NS8KL368120
M42	80	50	109	89,5	25x115x50	3,67	NS8KL4210	-
M45	80	60	109	89,5	25x115x50	4,17	NS8KL4510	-
M48	80	50	109	89,5	25x115x50	4,02	NS8KL4810	-
M56	117	84	310	280	32x152x70	11,6	NS8KL5615	-
M64	117	95	310	280	32x152x70	12,6	NS8KL6415	-

WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Tightening torque Nm
M10	0,90	0,45	1,80	0,90	0,63	0,45	0,95	0,68	10-16
M12	1,00	0,5	2,00	1,00	0,70	0,50	1,05	0,75	15-28
M16	2,00	1,10	4,00	2,20	1,54	1,10	2,31	1,65	45-70
M20	4,00	2,00	8,00	4,00	2,80	2,00	4,20	3,00	75-130
M24	6,30	3,20	12,60	6,40	4,48	3,20	6,72	4,80	90-130
M30	10,60	5,30	21,20	10,60	7,42	5,30	11,13	7,95	230-400
M30	11,80	8,00	23,60	16,00	11,20	8,00	16,80	12,00	230-400
M36	11,80	8,00	23,60	16,00	11,20	8,00	16,80	12,00	270-600
M42	15,00	10,00	30,00	20,00	14,00	10,00	21,00	15,00	270-700
M45	15,00	10,00	30,00	20,00	14,00	10,00	21,00	15,00	350-800
M48	15,00	10,00	30,00	20,00	14,00	10,00	21,00	15,00	350-800
M56	25,00	15,00	50,00	30,00	21,00	15,00	31,50	22,50	350-900
M64	25,00	15,00	50,00	30,00	21,00	15,00	31,50	22,50	350-900

LIFTING EYE SCREWS WITH BALL BEARING SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 100

- grade 100
- eye turns to the direction of the load
- paint coated
- safety factor 4 : 1



Size	E	G	C	K	F	D	B	A	Weight	Product code
	mm	mm	mm	mm	mm	mm	mm	mm	kg	
M10	18	36,5	48	34	101	13	53	35	0,4	NS10KL10005Y
M12	18	36,5	48	34	101	13	53	35	0,4	NS10KL12007Y
M16	20	36,5	48	34	101	13	53	35	0,44	NS10KL16014Y
M20	40	52	68	46	127	16	59	35	1,0	NS10KL20025Y
M24	30	57	75	50	148	19	73	40	1,5	NS10KL2404Y
M30	35	70	95	65	163	19	68	40	2,4	NS10KL3067Y
M36	50	81	106	75	201	22	95	50	3,8	NS10KL3610Y
M42	60	81	106	75	201	22	95	50	4,0	NS10KL42125Y

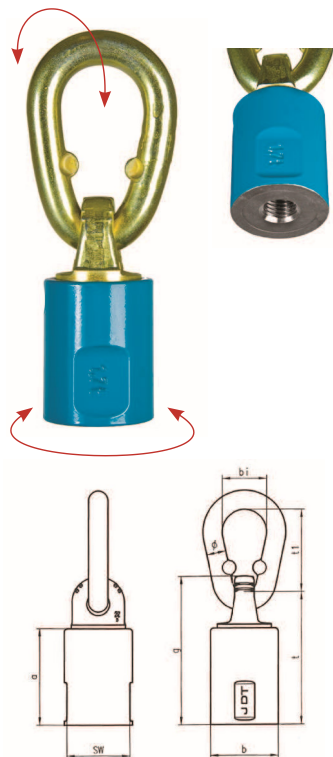
WLL

Size									Tightening torque
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Nm
M10	1,00	0,50	2,00	1,00	0,70	0,50	1,00	0,75	10-40
M12	1,40	0,70	2,80	1,40	1,00	0,70	1,40	1,00	15-40
M16	2,80	1,40	5,60	2,80	2,00	1,40	3,00	2,12	45-130
M20	5,00	2,50	10,00	5,00	3,55	2,50	5,30	3,75	100-170
M24	8,00	4,00	16,00	8,00	5,60	4,00	8,50	6,00	190-280
M30	12,00	6,70	24,00	13,40	9,50	6,70	14,00	10,00	230-400
M36	15,00	10,00	30,00	20,00	14,00	10,00	21,20	15,00	270-600
M42	15,00	12,50	30,00	25,00	17,00	12,50	25,00	18,00	270-600

BOLTABLE LIFTING EYES WITH BALL BEARING SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 100



- grade 100
- eye turns to the direction of the load
- paint coated / yellow chromated
- safety factor 4 : 1



Size	a	Ø b	g	SW	T	Eye dimensions Ø x t ₁ x b ₁ mm	Weight kg	Product code
M12 x 15	45	36,5	73	34	66	13 x 55 x 32	0,61	NS10KL1205P
M16 x 20	52	36,5	80	34	73	13 x 55 x 32	0,65	NS10KL1610P
M20 x 25	66	52	106	46	95	16 x 70 x 34	1,50	NS10KL2017P
M24 x 30	80	57	120	50	108	18 x 85 x 45	2,12	NS10KL242P
M30 x 40	94	70	148	65	131	20 x 85 x 45	3,70	NS10KL3032P
M36 x 45	107	80	164	75	145	23 x 115 x 60	5,75	NS10KL365P

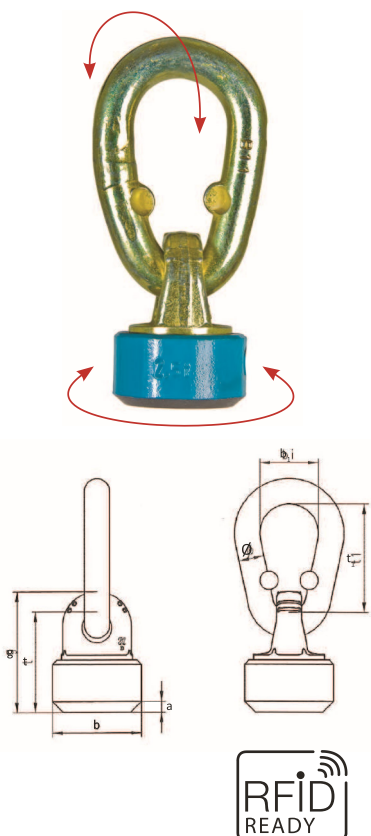
Delivery time 2-3 weeks.

WLL

Size	WLL t	WLL t stamp on the product	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Tightening torque Nm
M12 x 15	1,40	0,50	2,80	1,00	0,70	0,50	1,05	0,75	15-40
M16 x 20	2,80	1,00	5,60	2,00	1,40	1,00	2,10	1,50	45-130
M20 x 25	5,00	1,70	10,00	3,40	2,38	1,70	3,57	2,55	100-170
M24 x 30	8,00	2,10	16,00	4,20	2,94	2,10	4,41	3,15	190-280
M30 x 40	12,00	3,20	24,00	6,40	4,48	3,20	6,72	4,80	230-400
M36 x 45	15,00	5,00	30,0	10,00	6,70	5,00	10,00	7,50	270-600



WELD-ON LIFTING EYES WITH BALL BEARING SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 100



a	b	g	t	Eye dimensions Ø x t ₁ x b ₁ mm	Weight kg	Product code
5,5 x 45°	52	68	57	16 x 70 x 34	0,95	NS10KL2HI
7,0 x 45°	57	74	62	18 x 85 x 45	1,30	NS10KL4HI
8,5 x 45°	70	95	78	20 x 85 x 45	2,20	NS10KL6HI
10,0 x 45°	80	102	83	23 x 115 x 60	3,80	NS10KL10HI
12,0 x 45°	100	129	106	30 x 140 x 70	6,66	NS10KL17HI

Delivery time 2-3 weeks.

WLL

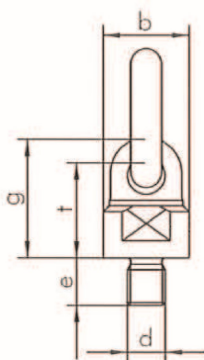
Product code	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
NS10KL2HI	5,00	2,50	10,00	5,00	3,50	2,50	5,25	3,75
NS10KL4HI	8,00	4,00	16,00	8,00	5,60	4,00	8,40	6,00
NS10KL6HI	12,00	6,70	24,00	13,40	9,38	6,70	14,07	10,05
NS10KL10HI	15,00	10,00	30,00	20,00	14,00	10,00	21,00	15,00
NS10KL17HI	25,00	17,00	50,00	34,00	23,80	17,00	35,70	25,50



LIFTING EYE SCREWS WITH BALL BEARING SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 100



- grade 100
- eye turns to the direction of the load
- paint coated / yellow chromated
- safety factor 4 : 1



Size	WLL 90° lifting	b	g	t	Inner dimensions of the eye thickness x height x width	Weight	Product code
d x e	t	mm	mm	mm	mm	kg	
M 10 x 18	0,7	36,5	48	41	13x55x32	0,42	NS10KL10007
M 12 x 18	0,7	36,5	48	41	13x55x32	0,43	NS10KL12007
M 14 x 20	1,0	36,5	48	41	13x55x32	0,42	NS10KL14010
M 16 x 30	1,4	36,5	48	41	13x55x32	0,44	NS10KL16014
M 20 x 30	1,7	36,5	48	41	13x55x32	0,46	NS10KL20017
M 20 x 40	2,5	52	68	57	16x70x34	0,97	NS10KL20025
M 24 x 30	1,7	36,5	48	41	13x55x32	0,49	NS10KL24017
M 24 x 45	4,0	57	75	63	18x85x45	1,48	NS10KL2404
M 30 x 35	4,0	57	75	63	18x85x45	1,50	NS10KL3004
M 30 x 45	6,7	70	95	78	20x85x45	2,37	NS10KL30067
M 30 x 45	8,0	81	106	86	23x115x60	3,64	NS10KL3008
M 36 x 50	10,0	81	106	86	23x115x60	3,72	NS10KL3610
M 42 x 50	12,5	81	106	86	23x115x60	3,82	NS10KL4212
M 45 x 60	17,0	104	127	106	30x140x70	7,50	NS10KL4517
M 48 x 72	12,0	81	106	86	23x115x60	4,33	NS10KL4812
M 48 x 60	17,0	104	127	106	30x140x70	7,57	NS10KL4817
M 56 x 78	18,0	104	127	106	30x140x70	8,00	NS10KL5618
M 64 x 96	20,0	104	127	106	30x140x70	8,85	NS10KL6420
M 64 x 96	28,0	129	174	135	35x170x80	16,30	NS10KL6428
M 72 x 120	28,0	129	174	135	35x170x80	17,60	NS10KL7228
M 80 x 150	28,0	129	174	135	35x170x80	19,50	NS10KL8028
M 90 x 115	40,0	170	233	182	46x240x110	36,50	NS10KL9040
M 100 x 150	40,0	170	233	182	46x240x110	39,80	NS10KL10040

Delivery time 2-3 weeks.

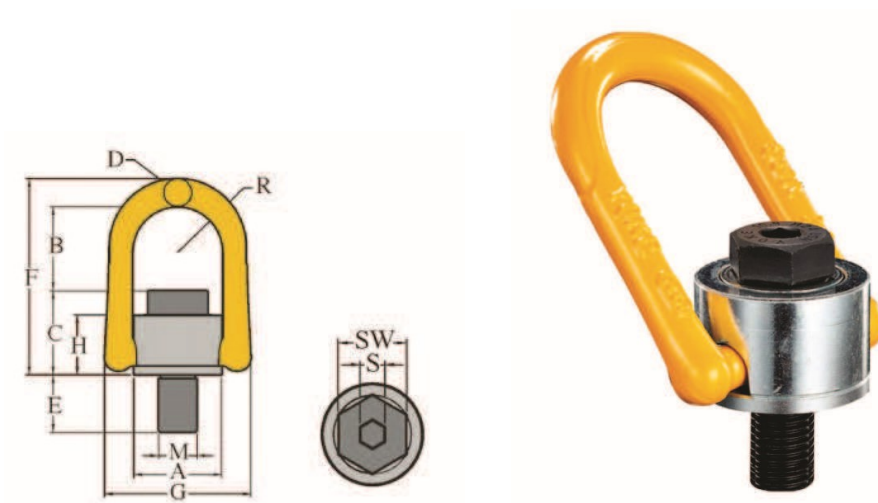
WLL

Size	Tightening torque								Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
M 10 x 18	1,40	0,70	2,80	1,40	0,98	0,70	1,47	1,05	15 - 40
M 12 x 18	1,40	0,70	2,80	1,40	0,98	0,70	1,47	1,05	15 - 40
M 14 x 20	2,00	1,00	4,00	2,00	1,40	1,00	2,10	1,50	30 - 40
M 16 x 30	2,80	1,40	5,60	2,80	1,96	1,40	2,94	2,10	45 - 130
M 20 x 30	3,40	1,70	6,80	3,40	2,38	1,70	3,57	2,55	75 - 130
M 20 x 40	5,00	2,50	10,00	5,00	3,50	2,50	5,25	3,75	100 - 170
M 24 x 30	3,40	1,70	6,80	3,40	2,38	1,70	3,57	2,55	90 - 130
M 24 x 45	8,00	4,00	16,00	8,00	5,60	4,00	8,40	6,00	190 - 280
M 30 x 35	8,00	4,00	16,00	8,00	5,60	4,00	8,40	6,00	190 - 280
M 30 x 45	12,00	6,70	24,00	13,40	9,38	6,70	14,07	10,05	230 - 400
M 30 x 45	12,00	8,00	24,00	16,00	11,20	8,00	16,80	12,00	270 - 600
M 36 x 50	15,00	10,00	30,00	20,00	14,00	10,00	21,00	15,00	270 - 600
M 42 x 50	15,00	12,50	30,00	25,00	17,50	12,50	26,25	18,75	270 - 700
M 45 x 60	25,00	17,00	50,00	34,00	23,80	17,00	35,70	25,50	350 - 800
M 48 x 72	15,00	12,50	30,00	25,00	17,50	12,50	26,25	18,75	270 - 700
M 48 x 60	25,00	17,00	50,00	34,00	23,80	17,00	35,70	25,50	350 - 800
M 56 x 78	25,00	18,00	50,00	36,00	25,20	18,00	37,80	27,00	350 - 900
M 64 x 96	25,00	20,00	50,00	40,00	28,00	20,00	42,00	30,00	350 - 900
M 64 x 96	32,50	28,00	65,00	56,00	39,20	28,00	58,80	42,00	500 - 1000
M 72 x 120	32,50	28,00	65,00	56,00	39,20	28,00	58,80	42,00	500 - 1200
M 80 x 150	32,50	28,00	65,00	56,00	39,20	28,00	58,80	42,00	500 - 1200
M 90 x 115	50,00	40,00	100,00	80,00	56,00	40,00	84,00	60,00	500 - 1500
M 100 x 150	50,00	40,00	100,00	80,00	56,00	40,00	84,00	60,00	500 - 1700









Many sizes available also with shorter and longer threads. Ask for more!

ROTATING LIFTING EYE SCREWS FOR ALL LIFTING DIRECTIONS, GRADE 100

- grade 100
- for lifting in all positions
- can be turned to the direction of the load
- paint coated
- safety factor 4 : 1

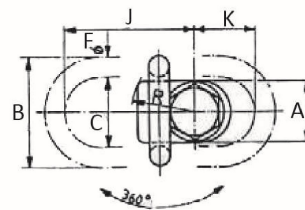
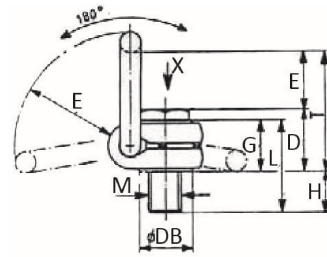
YOKE[®]
Safety is our first priority™


Size	A	B	C	D	E	F	G	H	R	S	SW	Product code
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
M12	33	40	31	11	18	80	58	23	17	8	19	NS8PKL10
M14	51	56	45	17	21	117	90	36	27	10	22	NS8PKL15
M16	51	54	46	17	24	117	90	36	27	10	24	NS8PKL20
M18	65	78	57	20	27	153	108	44	34	12	30	NS8PKL25
M20	50	52	49	17	30	117	90	36	27	12	30	NS8PKL30
M24	72	81	59	22	36	162	125	44	37	14	36	NS8PKL50
M27	87	96	79	30	38	205	148	62	46	17	41	NS8PKL56
M30	87	94	81	30	48	205	148	62	46	17	46	NS8PKL78
M36	110	112	98	38	54	246	188	75	57	22	55	NS8PKL125

Size								
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
M12	1,00	1,00	2,00	2,00	1,40	1,00	2,10	1,50
M14	1,50	1,50	3,00	3,00	2,10	1,50	3,15	2,25
M16	2,00	2,00	4,00	4,00	2,80	2,00	4,20	3,00
M18	2,50	2,50	5,00	5,00	3,50	2,50	5,25	3,75
M20	3,00	3,00	6,00	6,00	4,20	3,00	6,30	4,50
M24	5,00	5,00	10,00	10,00	7,00	5,00	10,50	7,50
M27	5,60	5,60	11,20	11,20	7,84	5,60	11,76	8,40
M30	7,80	7,80	15,60	15,60	10,92	7,80	16,38	11,70
M36	12,50	12,50	25,00	25,00	17,50	12,50	26,25	18,75





ROTATING LIFTING POINTS FOR ALL LIFTING DIRECTIONS, GRADE 80

- grade 80
- lifting eye is equipped with a separate replaceable screw
- min. screw strength category 8.8
- eye turns to the direction of the load
- paint coated
- safety factor 4 : 1



Size	A	B	C	D	E	E'	F	H	J	K	L	R	Weight	Product code
M	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
M8	30	55	35	35	40	-	10	12	-	-	-	-	0,2	NS8P03
M10	32	65	36	42	56	30	14	15	74	35	50	35	0,4	NS8P05
M12	32	65	36	43	56	29	14	20	74	35	55	35	0,4	NS8P07
M16	46	85	50	50	72	41	16	25	95	45	65	46	1,0	NS8P15
M20	46	85	50	53	72	38	16	30	95	45	70	46	1,1	NS8P25
M24	46	85	50	55	72	36	16	40	95	45	80	46	1,2	NS8P30
M30	60	114	65	75	100	53	22	50	136	67	110	66	3,3	NS8P50
M36	77	124	85	101	97,5	-	26,5	62	-	-	-	-	5,8	NS8P80
M42	95	158	104	112	108	-	36	60	-	-	-	-	10,9	NS8P150
M48	95	158	104	120	103	-	36	69	-	-	-	-	11,6	NS8P200

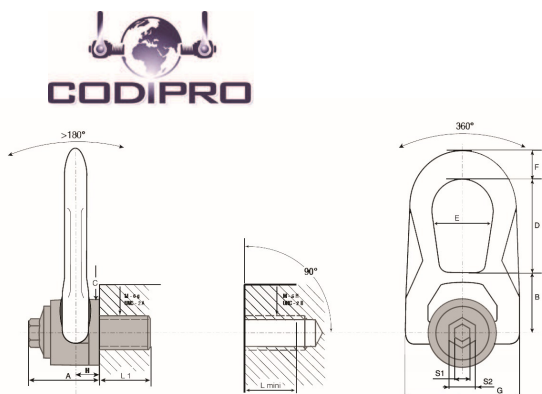
WLL

Size	 WLL t stamp on the product	 WLL t	 WLL t	 WLL t	 WLL t 0 - 45°	 WLL t 45 - 60°	 WLL t 0 - 45°	 WLL t 45 - 60°	Tightening torque max. Nm
M8	0,30	0,30	0,60	0,60	0,42	0,30	0,63	0,45	30,0
M10	0,50	0,50	1,00	1,00	0,70	0,50	1,05	0,75	40,0
M12	0,75	0,75	1,50	1,50	1,05	0,75	1,58	1,13	65,0
M16	1,50	1,50	3,00	3,00	2,10	1,50	3,15	2,25	150,0
M20	2,50	2,50	5,00	5,00	3,50	2,50	5,25	3,75	250,0
M24	3,00	3,00	6,00	6,00	4,20	3,00	6,30	4,50	300,0
M30	5,00	5,00	10,00	10,00	7,00	5,00	10,50	7,50	500,0
M36	8,00	8,00	16,00	16,00	11,20	8,00	16,80	12,00	800,0
M42	15,00	15,00	30,00	30,00	21,00	15,00	31,50	22,50	1500,0
M48	20,00	20,00	40,00	40,00	28,00	20,00	42,00	30,00	2000,0

Min. screw strength category 8.8

LIFTING EYE SCREWS WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 80

- grade 80
- eye turns to the direction of the load
- safety factor 5 : 1



Models made of stainless steel and models with longer threads also available. Ask for more from our sales.



M6 - M30
0,10 - 3,00 t

M8 - M22
0,30 - 2,20 t

Size	L1	S1	S2	A	B	C	D	E	F	G	H	Product code
M	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
M4	15	3	-	33	30	30	38	27	14	53	9,5	*NS8KL04M
M5	15	4	-	33	30	30	38	27	14	53	9,5	*NS8KL05M
M6	15	5	-	33	30	30	38	27	14	53	9,5	NS8KL06M
M8	14	8	16	33	30	30	38	27	14	53	9,5	NS8KL08M
M10	17	8	16	33	30	30	38	27	14	53	9,5	NS8KL10M
M12	21	8	16	33	30	30	38	27	14	53	9,5	NS8KL12M
M14	23	8	20	45	42	45	54	38	17	76	13	NS8KL14M
M16	27	8	20	45	42	45	54	38	17	76	13	NS8KL16M
M18	27	8	20	45	42	45	54	38	17	76	13	NS8KL18M
M20	30	8	20	45	42	45	54	38	17	76	13	NS8KL20M
M22	33	14	24	62	55	60	83	55	25	117	19	NS8KL22M
M24	36	14	24	62	55	60	83	55	25	117	19	NS8KL24M
M27	40	14	24	62	55	60	83	55	25	117	19	NS8KL27M
M30	45	14	24	62	55	60	83	55	25	117	19	NS8KL30M

*Items marked with an asterisk delivery time 1-2 weeks

WLL

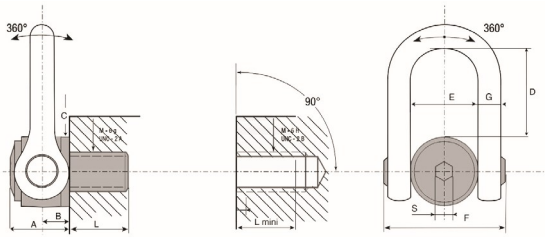
Size									Tightening torque Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
M4	0,05	0,05	0,10	0,10	0,07	0,05	0,11	0,08	2
M5	0,075	0,075	0,150	0,150	0,105	0,075	0,158	0,113	3
M6	0,10	0,10	0,20	0,20	0,14	0,10	0,21	0,15	4
M8	0,30	0,30	0,60	0,60	0,42	0,30	0,63	0,45	5
M10	0,60	0,60	1,20	1,20	0,84	0,60	1,26	0,90	10
M12	1,00	1,00	2,00	2,00	1,40	1,00	2,10	1,50	15
M14	1,30	1,30	2,60	2,60	1,82	1,30	2,73	1,95	30
M16	1,60	1,60	3,20	3,20	2,24	1,60	3,36	2,40	50
M18	2,00	2,00	4,00	4,00	2,80	2,00	4,20	3,00	70
M20	2,50	2,50	5,00	5,00	3,50	2,50	5,25	3,75	100
M22	3,00	3,00	6,00	6,00	4,20	3,00	6,30	4,50	120
M24	4,00	4,00	8,00	8,00	5,60	4,00	8,40	6,00	160
M27	5,00	5,00	10,00	10,00	7,00	5,00	10,50	7,50	200
M30	6,30	6,30	12,60	12,60	8,82	6,30	13,23	9,45	250

LIFTING EYE SCREWS WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 80

- grade 80
- eye turns to the direction of the load
- safety factor 5 : 1



Models made of stainless steel and inch models also available. Ask for more from our sales.



M24 - M56
2,70 - 8,00 t

M24 - M36
2,70 - 5,00 t

Size	L1	S	A	B	C	D	E	F	G	Weight	Product code
M	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
M24	36	19	61	31	70	104	73	145	29	5,4	NS8KL24DSS
M30	45	19	61	31	70	104	73	145	29	5,5	NS8KL30DSS
M33	50	19	61	31	70	104	73	145	29	5,5	NS8KL33DSS
M36	54	19	61	31	70	104	73	145	29	5,5	NS8KL36DSS
M39	58	19	61	31	70	104	73	145	29	5,7	NS8KL39DSS
M42	63	19	61	31	70	104	73	145	29	5,8	NS8KL42DSS
M45	63	19	61	31	70	104	73	145	29	5,9	NS8KL45DSS
M48	68	19	79	38	90	125	91	184	36	11,0	NS8KL48DSS
M52	68	19	79	38	90	125	91	184	36	11,2	NS8KL52DSS
M56	78	19	79	38	90	125	91	184	36	11,3	NS8KL56DSS
M64	90	19	79	38	90	125	91	184	36	12,2	NS8KL64DSS

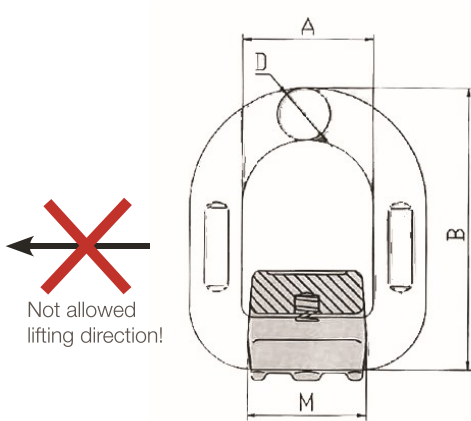
Delivery time 1-2 weeks.

WLL

Size									Tightening torque Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
M24	4,50	4,50	9,00	9,00	6,30	4,50	9,45	6,75	160
M30	7,30	7,30	14,60	14,60	10,22	7,30	15,33	10,95	250
M33	8,00	8,00	16,00	16,00	11,20	8,00	16,80	12,00	250
M36	10,00	10,00	20,00	20,00	14,00	10,00	21,00	15,00	320
M39	10,00	10,00	20,00	20,00	14,00	10,00	21,00	15,00	320
M42	12,50	12,50	25,00	25,00	17,50	12,50	26,25	18,75	400
M45	15,00	15,00	30,00	30,00	21,00	15,00	31,50	22,50	400
M48	20,00	20,00	40,00	40,00	28,00	20,00	42,00	30,00	600
M52	20,00	20,00	40,00	40,00	28,00	20,00	42,00	30,00	600
M56	25,00	25,00	50,00	50,00	35,00	25,00	52,50	37,50	600
M64	32,10	32,10	64,20	64,20	44,94	32,10	67,41	48,15	600









WELD-ON LIFTING POINTS, GRADE 80

- grade 80
- paint coated
- equipped with a spring which enables the eye to stay in the desired position
- safety factor 4 : 1



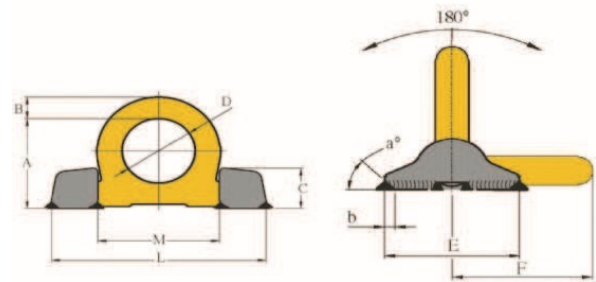
A	B	D	M	Weight	Product code
mm	mm	mm	mm	kg	
41,0	78,5	13,0	37,0	0,40	NS8HI1
42,0	88,0	14,0	40,0	0,47	NS8HI2
45,0	94,0	17,0	42,5	0,69	NS8HI3
55,0	118,0	22,0	50,0	1,46	NS8HI5
70,0	141,0	26,5	66,5	2,50	NS8HI8
97,0	188,0	34,0	90,0	5,79	NS8HI15

WLL

Product code	 WLL t	 WLL t	 WLL t	 WLL t	 WLL t 0 - 45°	 WLL t 45 - 60°	 WLL t 0 - 45°	 WLL t 45 - 60°
NS8HI1	1,12	1,12	2,24	2,24	1,57	1,12	2,35	1,68
NS8HI2	2,00	2,00	4,00	4,00	2,80	2,00	4,20	3,00
NS8HI3	3,15	3,15	6,30	6,30	4,41	3,15	6,62	4,73
NS8HI5	5,30	5,30	10,60	10,60	7,42	5,30	11,13	7,95
NS8HI8	8,00	8,00	16,00	16,00	11,20	8,00	16,80	12,00
NS8HI15	15,00	15,00	30,00	30,00	21,00	15,00	31,50	22,50

WELD-ON LIFTING POINTS, GRADE 100

- grade 100
- with two welding attachment points
- paint coated
- safety factor 4 : 1



A	B	C	D	E	F	G	H	Weight	Product code
mm	mm	mm	mm	mm	mm	mm	mm	kg	
14	65	48	29	134	14	60	79	0,73	NS8J04Y
20	83	60	39	169	16	88	103	1,80	NS8J06Y
22	96	65	48	196	19,5	98	118	3,00	NS8J10Y
31	126	90	55	264	29	127	155	5,75	NS8J16Y
42	175	130	79	371	45	157	217	16,00	NS8J30Y

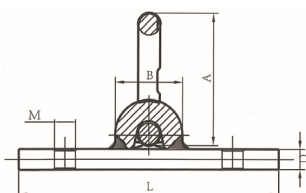
WLL

Product code								
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
NS8J04	4,00	4,00	8,00	8,00	5,60	4,00	8,40	6,00
NS8J06	6,70	6,70	13,40	13,40	9,38	6,70	14,07	10,05
NS8J10	10,00	10,00	20,00	20,00	14,00	10,00	21,00	15,00
NS8J16	16,00	16,00	32,00	32,00	22,40	16,00	33,60	24,00
NS8J30	30,00	30,00	60,00	60,00	42,00	30,00	63,00	45,00

BOLTABLE LIFTING EYES, GRADE 80



- grade 80
- lifting in all positions
- delivered without bolts
- bolt property class must be at least 8.8
- paint coated
- safety factor 4 : 1



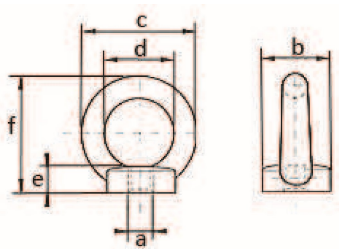
WLL	A	B	D	M	L	Weight	Product code
t	mm	mm	mm	mm	mm	kg	
1,00	78,0	40,0	12,0	12,5	155	1,10	NS8PUL1
2,00	80,5	40,0	14,0	14,5	155,0	1,20	NS8PUL2
3,00	94,0	46,5	16,0	16,5	155,0	1,50	NS8PUL3
5,00	118,0	60,0	20,0	22,5	180,0	2,60	NS8PUL5
8,00	141,0	63,0	26,0	26,5	220,0	4,90	NS8PUL8

Bolt property class must be at least 8.8

STAINLESS STEEL LIFTING EYES FOR VERTICAL LIFTING

LIFTING EYE NUT DIN 582

- polished surface
- material AISI 316

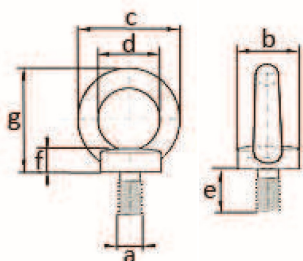


Size	b	c	d	e	f	Weight kg/ 100 pcs	Product code
a	mm	mm	mm	mm	mm		
M6	20,0	36,0	20,0	8,5	36,0	5,0	NSMH06L
M8	20,0	36,0	20,0	8,5	36,0	5,0	NSMH08L
M10	25,0	45,0	25,0	10,0	45,0	9,0	NSMH10L
M12	30,0	54,0	30,0	11,0	53,0	16,0	NSMH12L
M16	35,0	63,0	35,0	13,0	62,0	24,0	NSMH16L
M20	39,0	71,0	39,0	14,0	70,0	36,0	NSMH20L

Also other sizes available.

LIFTING EYE SCREW DIN 580

- polished surface
- material AISI 316



Size	b	c	d	e	f	g	Weight kg/ 100 pcs	Product code
a	mm	mm	mm	mm	mm	mm		
M6	20,0	36,0	20,0	13,0	6,0	36,0	6,0	NSRH06L
M8	20,0	36,0	20,0	13,0	6,0	36,0	6,0	NSRH08L
M10	25,0	45,0	25,0	17,0	8,0	45,0	11,0	NSRH10L
M12	30,0	54,0	30,0	20,5	10,0	53,0	18,0	NSRH12L
M16	35,0	63,0	35,0	27,0	12,0	62,0	28,0	NSRH16L
M20	39,0	71,0	39,0	30,0	14,0	70,0	45,0	NSRH20L

Also other sizes available.

WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
M6	0,08	not allowed	0,16	not allowed	-	not allowed	-	not allowed
M8	0,14	not allowed	0,28	not allowed	0,10	not allowed	0,14	not allowed
M10	0,23	not allowed	0,46	not allowed	0,17	not allowed	0,23	not allowed
M12	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed
M16	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed
M20	1,20	not allowed	2,40	not allowed	0,86	not allowed	1,20	not allowed

CONTAINER MULTIPLE LIFTING LUG SET

- grade 80
- multiple lifting lugs for lifting from the upper or lower corners from the sides
- multiple lifting lugs do not lock like the other models!
- delivery includes 4 lifting eyes (for all corners) without shackles
- paint coated
- safety factor 4 : 1



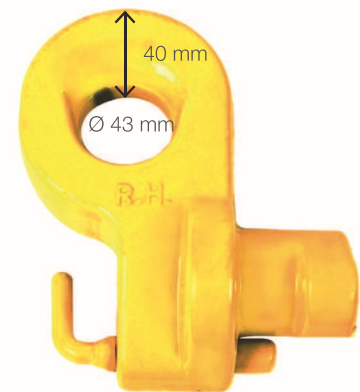
Type	WLL 30° chain angle	WLL 45° chain angle	WLL 60° chain angle	Weight / set 4 pcs kg	Product code
Multiple lugs	t 43	t 35	t 25	16,2	KONNOSETTI

CONTAINER LIFTING LUG SET

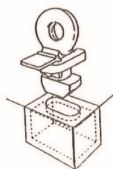
- grade 80
- top lifting lugs for lifting vertically from the upper part of the container with a lifting frame
- bottom side lifting lugs for lifting from the lower corners of the container with max. 50° chain angle
- delivery includes 4 lifting eyes (for all corners) without shackles
- paint coated
- safety factor 4 : 1



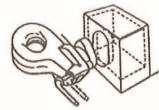
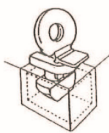
Top lifting lug



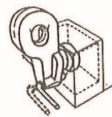
Bottom side lifting lug



KONMKIIA
Top lug



KONMKVA
Bottom side lug



Type	WLL vertical lifting	WLL 36° chain angle	WLL 50° chain angle	Weight / set 4 pcs kg	Product code
Top lug set	t 56	t -	t -	19,2	KONMKIIA
Bottom side lug set	50	40	32	19,2	KONMKVA

