KONDOTEC

YOKE®

Safety is our first priority™

YP™
Yellow Point

Catalog No. 8-2015.YP.2


YOKE
136 Nm WLL 215
10
YOKE


YOKE
YOKE
YEE
YOKE
M24

YOKE Yellow Point Series

Worldwide Quality Type Approval And Certificate:

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT

Quality Control, Testing, and Detecting during manufacturing

YOKE runs a constant and strict production facility with quality control in every manufacturing stage from raw materials to the completed product. YOKE is an ISO 9001 certified company and has Type Approval by the major international authorities from Deutsche Gesetzliche Unfallversicherung (DGUV) , ABS, API, and DNV. YOKE has achieved CNLA certification - Chinese National Laboratory Accreditation which ensures a quality research and development (R&D) department and unsurpassed product engineering.

Magnaflux Crack Detection:

All forged components are individually magnaflux detected after heat treatment.

Proof Load Testing:

YOKE Yellow Points are proof load qualified to 2.5 times the Working Load Limit within 1% permanent deformation.

Dynamic Fatigue Testing:

Batch samples of YOKE Yellow Points are Dynamic Fatigue Tested to 20,000 cycles at 1.5 times the Working Load Limit.

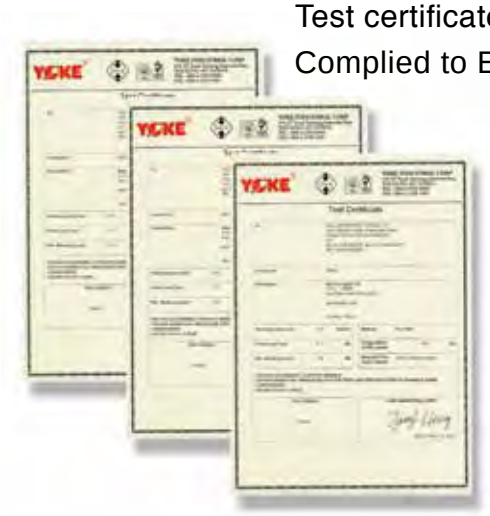
Ultimate Breaking Load Testing:

Batch samples are tested in a static tensile testing machine until failure. Minimum ultimate force equals to the Working Load Limit times safety factor.

Spectrographic Analysis:

To assure of the proper metallurgy content of all raw materials.

Test certificate
Complied to EN10204



Spectrographic Analysis

Magnaflux Crack Detection

Dimension Examination

Micrographic Analysis

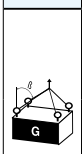
Fatigue Cycle Test

Tensile Test, Capacity 300 tonnes

Safety is our first priority ™

- Quality, Reliability, Innovation -

Bolt Lifting Points

			8-211 Lifting Point															8-291K / 8-291 Eye Point										
																												
	Number of legs	Load direction	Item No.	8-211-003	8-211-006	8-211-010	8-211-012	8-211-015	8-211-020	8-211-025	8-211-040	8-211-042	8-211-050	8-211-070	8-211-080	8-211-100	8-211-150	8-211-200	8-291K-003	8-291K-004	8-291K-007	8-291K-015	8-291K-023	8-291K-032	8-291K-045	8-291K-070	8-291K-090	8-291K-120	8-291K-140	8-291K-150
			Thread Size	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24	M 27	M 30	M 36	M 36	M 42	M 42	M 48	M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 42	M 48	M 56	M 64
	1	0°		0.3	0.63	1	1.2	1.5	2	2.5	4	4	5	7	8	10	15	20	1	1	2	4	6	8	12	16	24	32	32	32
	2	0°		0.6	1.26	2	2.4	3	4	5	8	8	10	14	16	20	30	40	2	2	4	8	12	16	24	32	48	64	64	64
	1	90°		0.3	0.63	1	1.2	1.5	2	2.5	4	4	5	7	8	10	15	20	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7	9	12	12	12
	2	90°		0.6	1.26	2	2.4	3	4	5	8	8	10	14	16	20	30	40	0.6	0.8	1.5	3	4.6	6.4	9	14	18	24	24	24
	2	0-45°		0.42	0.88	1.4	1.7	2.1	2.8	3.5	5.6	5.6	7	9.8	11.2	14	21	28	0.42	0.56	1	2.1	3.2	4.5	6.3	9.8	12.6	16.8	16.8	16.8
	2	45-60°		0.3	0.63	1	1.2	1.5	2	2.5	4	4	5	7	8	10	15	20	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7	9	12	12	12
	2	unsymm.		0.3	0.63	1	1.2	1.5	2	2.5	4	4	5	7	8	10	15	20	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7	9	12	12	12
	3-4	0-45°		0.63	1.32	2.1	2.5	3.1	4.2	5.2	8.4	8.4	10.5	14.7	16.8	21	31.5	42	0.63	0.8	1.5	3.1	4.8	6.7	9.4	14.7	18.9	25	25	25
	3-4	45-60°		0.45	0.95	1.5	1.8	2.2	3	3.7	6	6	7.5	10.5	12	15	22.5	30	0.45	0.6	1.1	2.2	3.4	4.8	6.7	10.5	13.5	18	18	18
	3-4	unsymm.		0.3	0.63	1	1.2	1.5	2	2.5	4	4	5	7	8	10	15	20	0.3	0.4	0.75	1.5	2.3	3.2	4.5	7	9	12	12	12
			Thread Size	M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24	M 27	M 30	M 36	M 36	M 42	M 42	M 48	M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 42	M 48	M 56	M 64

8-271
Swivel Point

	Number of legs	Load direction	Item No.	8-271-003	8-271-004	8-271-006	8-271-013	8-271-020	8-271-035	8-271-060	8-271-080	8-271-120	8-271-130	8-271-140	8-271-160	8-271-161	8-271-310	8-271-350	8-271-400
			Thread Size	M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 42	M 48	M 52	M 56	M 64	M 72	M 80	M 90
	1	0°		0.6	0.9	1.2	2.6	4	7	10	15	17	18	25	28	28	50	50	50
	2	0°		1.2	1.8	2.4	5.2	8	14	20	30	34	36	50	56	56	100	100	100
	1	90°		0.3 (0.4)	0.45 (0.6)	0.6 (0.7)	1.3 (1.5)	2 (2.5)	3.5 (4)	5 (6)	8 (10)	13 (13)	14 (16)	20 (20)	20 (22)	20 (25)	40 (40)	40 (48)	40 (50)
	2	90°		0.6 (0.8)	0.9 (1.2)	1.2 (1.5)	2.6 (3)	4 (5)	7 (8)	10 (12)	16 (20)	26 (26)	28 (32)	40 (40)	40 (44)	40 (50)	80 (80)	80 (96)	80 (100)
	2	0-45°		0.4	0.6	0.8	1.8	2.8	4.9	7	11.2 (14)	18.2 (18.2)	19.6 (22.4)	28 (28)	28 (30.8)	28 (35)	56 (56)	56 (67.2)	56 (70)
	2	45-60°		0.3	0.4	0.6	1.3	2	3.5	5	8 (10)	13 (13)	14 (16)	20 (20)	20 (22)	20 (25)	40 (40)	40 (48)	40 (50)
	2	unsymm.		0.3	0.4	0.6	1.3	2	3.5	5	8 (10)	13 (13)	14 (16)	20 (20)	20 (22)	20 (25)	40 (40)	40 (48)	40 (50)
	3-4	0-45°		0.6	0.9	1.2	2.7	4.2	7.3	10.5	16.8 (21)	27.3 (27.3)	29.4 (33.6)	42 (42)	42 (46.2)	42 (52.5)	84 (84)	84 (100)	84 (105)
	3-4	45-60°		0.4	0.6	0.9	1.9	3	5.2	7.5	12 (15)	19.5 (19.5)	21 (24)	30 (30)	30 (33)	30 (37.5)	60 (60)	60 (72)	60 (75)
	3-4	unsymm.		0.3	0.4	0.6	1.3	2	3.5	5	8 (10)	13 (13)	14 (16)	20 (20)	20 (22)	20 (25)	40 (40)	40 (48)	40 (50)
			Thread Size	M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36	M 42	M 48	M 52	M 56	M 64	M 72	M 80	M 90

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT

8-231 Anchor Point															8-203 Hoist Ring									
																								
8-231-005	8-231-007	8-231-010	8-231-015	8-231-020	8-231-025	8-231-030	8-231-050	8-231-056	8-231-078	8-231-125	8-231-156	8-231-200	8-231-220	8-231-225	8-203-004	8-203-005	8-203-010	8-203-019	8-203-021	8-203-030	8-203-042	8-203-070	8-203-110	8-203-125	8-203-135
M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24	M 27	M 30	M 36	M 42	M 48	M 56	M 64	M 8	M 10	M 12	M 16	M 20	M 20	M 24	M 30	M 36	M 42	M 48
0.5	0.7	1	1.5	2	2.5	3	5	5.6	7.8	12.5	15.6	20	22	22.5	0.5	0.55	1.3	2.4	2.7	3.75	5.25	8.75	13.75	15.6	16.9
1	1.4	2	3	4	5	6	10	11.2	15.6	25	31.2	40	44	45	1	1.1	2.6	4.8	5.4	7.5	10.5	17.5	27.5	31.2	33.8
0.5	0.7	1	1.5	2	2.5	3	5	5.6	7.8	12.5	15.6	20	22	22.5	0.5	0.55	1.3	2.4	2.7	3.75	5.25	8.75	13.75	15.6	16.9
1	1.4	2	3	4	5	6	10	11.2	15.6	25	31.2	40	44	40	1	1.1	2.6	4.8	5.4	7.5	10.5	17.5	27.5	31.2	33.5
0.7	1	1.4	2.1	2.8	3.5	4.2	7	7.8	10.9	17.5	21.8	28	30.8	28	0.7	0.77	1.82	3.36	3.78	5.25	7.35	12.25	19.25	21.84	23.66
0.5	0.7	1	1.5	2	2.5	3	5	5.6	7.8	12.5	15.6	20	22	20	0.5	0.55	1.3	2.4	2.7	3.75	5.25	8.75	13.75	15.6	16.9
0.5	0.7	1	1.5	2	2.5	3	5	5.6	7.8	12.5	15.6	20	22	20	0.5	0.55	1.3	2.4	2.7	3.75	5.25	8.75	13.75	15.6	16.9
1.1	1.5	2.1	3.2	4.2	5.3	6.3	10.5	11.8	16.4	26.3	32.8	42	46.2	42	1.05	1.16	2.73	5.04	5.67	7.88	11.03	18.38	28.88	32.76	35.49
0.8	1.1	1.5	2.3	3	3.8	4.5	7.5	8.4	11.7	18.8	23.4	30	33	30	0.75	0.83	1.95	3.6	4.05	5.63	7.88	13.13	20.63	23.4	25.35
0.5	0.7	1	1.5	2	2.5	3	5	5.6	7.8	12.5	15.6	20	22	20	0.5	0.55	1.3	2.4	2.7	3.75	5.25	8.75	13.75	15.6	16.9
M 8	M 10	M 12	M 14	M 16	M 18	M 20	M 24	M 27	M 30	M 36	M 42	M 48	M 56	M 64	M 8	M 10	M 12	M 16	M 20	M 20	M 24	M 30	M 36	M 42	M 48

WARNING
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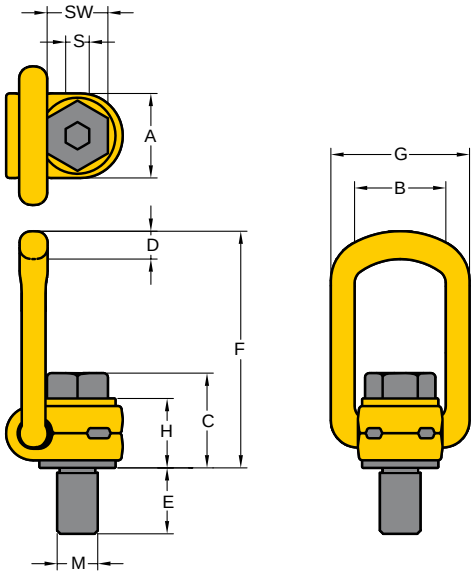

Patent

Lifting Point

Metric Thread (8-211)

Item No.	Working Load Limit	Thread	Dimensions (mm)										Torque in Nm	N.W.	Repair Kits
	tonnes*	M	A	B	C	D	E	F	G	H	S	SW		kg	
8-211-003	0.3	M 8 x 1.25	30	35	35	10	11 ~~(16)~~	85	55	29	6	13	30	0.2	**8-P211-003**
8-211-006	0.63	M10 x 1.5	30	35	36	10	16 ~~(21)~~	85	55	29	6	17	60	0.3	**8-P211-006**
8-211-010	1	M12 x 1.75	33	37	44	14	18 ~~(24)~~	98	57	36	8	19	100	0.5	**8-P211-010**
8-211-012	1.2	M14 x 2	33	37	45	14	21 ~~(24)~~	98	57	36	10	22	120	0.5	**8-P211-012**
8-211-015	1.5	M16 x 2	33	37	46	14	24 ~~(29)~~	98	57	36	10	24	150	0.5	**8-P211-015**
8-211-020	2	M18 x 2	50	54	57	17	26 ~~(31)~~	140	82	44	12	30	200	1.3	**8-P211-020**
8-211-025	2.5	M20 x 2.5	50	54	57	17	30 ~~(36)~~	140	82	44	12	30	250	1.3	**8-P211-025**
8-211-040	4	M24 x 3	50	54	59	17	36 ~~(41)~~	140	82	44	14	36	400	1.4	**8-P211-040**
8-211-042	4	M27 x 3	60	65	79	23	38 ~~(48)~~	170	99	62	17	41	400	2.8	**8-P211-042**
8-211-050	5	M30 x 3.5	60	65	81	23	48 ~~(53)~~	170	99	62	17	46	500	3.1	**8-P211-050**
8-211-070	7	M36 x 4	60	65	88	23	54 ~~(60)~~	178	99	65	22	55	700	3.3	**8-P211-070**
8-211-080	8	M36 x 4	77	85	101	27	62	225	124	78	22	55	800	5.8	**8-P211-080**
8-211-100	10	M42 x 4.5	77	85	104	27	72	225	124	78	24	65	1000	6.3	**8-P211-100**
8-211-150	15	M42 x 4.5	95	104	112	36	63 ~~(64)~~	256	158	86	24	65	1500	10.8	**8-P211-150**
8-211-200	20	M48 x 5	95	104	120	36	72 ~~(75)~~	259	158	90	27	75	2000	11.6	**8-P211-200**

★ Design Factor 4:1

** Bolt in GEOMET® finished on request

UNC Thread (8-212)

Item No.	Working Load Limit	Thread	Dimensions (inch)										Torque in ft. lbs	N.W.	Repair Kits
	lbs*	TPI	A	B	C	D	E	F	G	H	S	SW		lbs	
8-212-010	2200	1/2 - 13UNC	1.30	1.46	1.73	0.53	0.75 ~~(0.94)~~	3.86	2.24	1.42	5/16	3/4	73	1.1	**8-P212-010**
8-212-015	3300	5/8 - 11UNC	1.30	1.46	1.81	0.53	0.94 ~~(1.14)~~	3.86	2.24	1.42	3/8	15/16	110	1.1	**8-P212-015**
8-212-020	5500	3/4 - 10UNC	1.97	2.13	2.2	0.65	1.10 ~~(1.42)~~	5.51	3.23	1.73	1/2	1 1/8	185	2.9	**8-P212-020**
8-212-025	5500	7/8 - 9UNC	1.97	2.13	2.28	0.65	1.10 ~~(1.42)~~	5.51	3.23	1.73	5/8	1 5/16	221	2.9	**8-P212-025**
8-212-040	8800	1 - 8UNC	1.97	2.13	2.34	0.65	1.61	5.51	3.23	1.73	5/8	1 1/2	295	3.1	**8-P212-040**
8-212-050	11000	1 1/4 - 7UNC	2.36	2.56	3.23	0.89	1.61 ~~(2.09)~~	6.69	3.9	2.44	7/8	1 7/8	368	6.8	**8-P212-050**
8-212-080	17000	1 1/2 - 6UNC	3.03	3.35	4.01	1.04	2.25 ~~(2.44)~~	8.86	4.88	3.07	1	2 1/4	585	12.8	**8-P212-080**
8-212-150	33000	1 3/4 - 5UNC	3.74	4.09	4.48	1.42	2.63 ~~(2.72)~~	10.08	6.22	3.39	1	2 5/8	1107	24.0	**8-P212-150**
8-212-200	44000	2 - 4.5UNC	3.74	4.09	4.76	1.42	3.00 ~~(3.15)~~	10.2	6.22	3.54	1 1/4	3	1476	25.5	**8-P212-200**

★ Design Factor 4:1

** Bolt in GEOMET® finished on request

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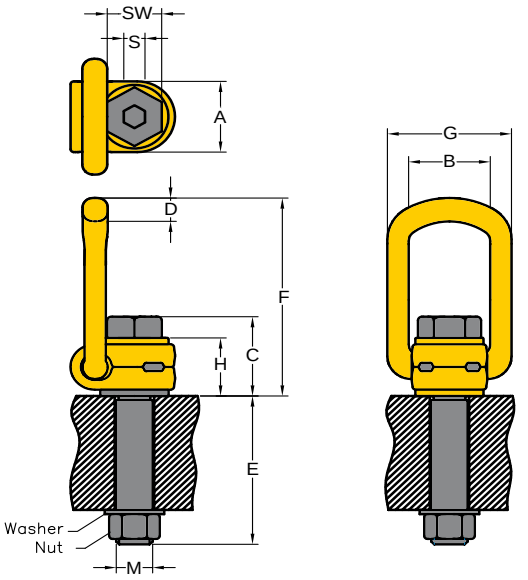
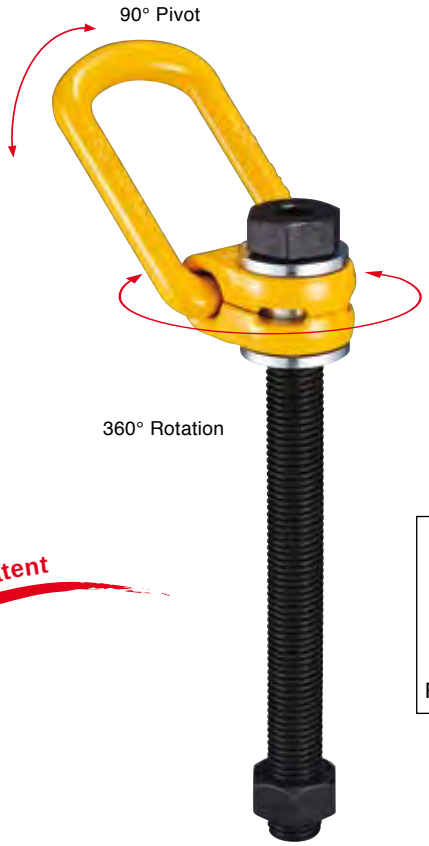




Patent

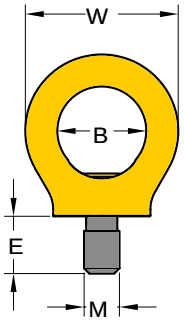
Lifting Point Long Bolt

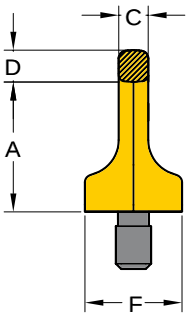
Metric Thread

Item No.	Working Load Limit	Thread	Dimensions (mm)										Torque in	N.W.	Repair
	tonnes*	M	A	B	C	D	E	F	G	H	S	SW	Nm	kg	Kits
8-211-003/105L	0.3	M 8 x 1.25	30	35	35	10	76	85	55	29	6	13	30	0.3	**8-P211-003/105L**
8-211-006/125L	0.63	M10 x 1.5	30	35	36	10	96	85	55	29	6	17	60	0.4	**8-P211-006/125L**
8-211-010/150L	1	M12 x 1.75	33	37	44	14	114	98	57	36	8	19	100	0.6	**8-P211-010/150L**
8-211-015/185L	1.5	M16 x 2	33	37	46	14	149	98	57	36	10	24	150	0.7	**8-P211-015/185L**
8-211-025/230L	2.5	M20 x 2.5	50	54	57	17	186	140	82	44	12	30	250	1.7	**8-P211-025/230L**
8-211-040/265L	4	M24 x 3	50	54	59	17	221	140	82	44	14	36	400	2.1	**8-P211-040/265L**
8-211-050/340L	5	M30 x 3.5	60	65	81	23	278	170	99	62	17	46	500	4.3	**8-P211-050/340L**
8-211-080/300L	8	M36 x 4	77	85	101	27	222	225	124	78	22	55	800	7.3	**8-P211-080/300L**
8-211-100/350L	10	M42 x 4.5	77	85	104	27	272	225	124	78	24	65	1000	8.7	**8-P211-100/350L**
8-211-150/350L	15	M42 x 4.5	95	104	112	36	264	256	158	86	24	65	1500	13.1	**8-P211-150/350L**
8-211-200/385L	20	M48 x 5	95	104	120	36	295	259	158	90	27	75	2000	15.2	**8-P211-200/385L**

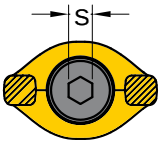
★ Design Factor 4:1

** Bolt in GEOMET® finished on request





360° Rotation



Load direction

-Nominal WLL-

Vertical load
-straight pull-
()-Values

Patent

Key

Key Eye Point

Metric Thread (8-291K)

Item No.	Working Load Limit	Thread	Dimensions (mm)								Torque in	N.W.	
	tonnes*	M	A	B	C	D	E	F	S	W	Nm	kg	Key
	x (z)												
8-291K-003	0.3 (1)	M 8 x 1.25	36	25	8	11	12	25	6	44	10	0.1	**8-P291K-004**
8-291K-004	0.4 (1)	M10 x 1.5	36	25	8	11	15	25	6	44	10	0.1	**8-P291K-004**
8-291K-007	0.75 (2)	M12 x 1.75	42	30	10	13	18	33	8	52	10	0.2	**8-P291K-007**
8-291K-015	1.5 (4)	M16 x 2	51	35	14	13	24	35	10	61	30	0.3	**8-P291K-015**
8-291K-023	2.3 (6)	M20 x 2.5	57	40	16	17	30	44	12	70	70	0.5	**8-P291K-023**
8-291K-032	3.2 (8)	M24 x 3	70	48	19	21	36	52	14	84	150	0.9	**8-P291K-032**
8-291K-045	4.5 (12)	M30 x 3.5	86	60	24	26	45	62	17	108	350	1.7	**8-P291K-045**
8-291K-070	7.0 (16)	M36 x 4	103	72	29	32	54	78	22	130	410	2.9	**8-P291K-070**
8-291K-090	9.0 (24)	M42 x 4.5	120	82	34	38	63	88	24	150	550	4.6	**8-P291K-090**
8-291K-120	12.0 (32)	M48 x 5	137	94	38	43	72	104	27	168	550	7.0	**8-P291K-120**
8-291K-140	12.0 (32)	M56 x 5.5	147	102	40	43	84	124	27	178	800	9.2	**8-P291K-150**
8-291K-150	12.0 (32)	M64 x 6	147	102	40	43	84	124	27	178	800	10.0	**8-P291K-150**

★ Design Factor 4:1

** Bolt in GEOMET® finished on request

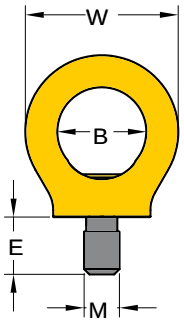
UNC Thread (8-292K)

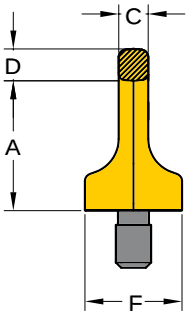
Item No.	Working Load Limit	Thread	Dimensions (inch)								Torque in	N.W.	
	lbs*	TPI	A	B	C	D	E	F	S	W	ft. lbs	lbs	Key
	x (z)												
8-292K-003	660 (2200)	5/16 - 18UNC	1.42	0.98	0.33	0.43	0.47	0.98	0.26	1.73	7	0.2	**8-P292K-003**
8-292K-004	880 (2200)	3/8 - 16UNC	1.42	0.98	0.33	0.43	0.57	0.98	0.26	1.73	7	0.2	**8-P292K-004**
8-292K-007	1650 (4400)	1/2 - 13UNC	1.65	1.18	0.39	0.51	0.75	1.30	0.31	2.05	7	0.4	**8-P292K-007**
8-292K-015	3300 (8800)	5/8 - 11UNC	2.01	1.38	0.55	0.51	0.94	1.38	0.37	2.40	20	0.7	**8-P292K-015**
8-292K-023	5060 (13200)	3/4 - 10UNC	2.24	1.57	0.63	0.67	1.13	1.73	0.50	2.76	50	1.3	**8-P292K-023**
8-292K-025	5060 (13200)	7/ 8 - 9UNC	2.24	1.57	0.63	0.67	1.31	1.73	0.50	2.76	50	1.3	**8-P292K-025**
8-292K-032	7040 (17600)	1 - 8UNC	2.76	1.89	0.75	0.83	1.50	2.05	0.56	3.31	110	2.2	**8-P292K-032**
8-292K-045	9900 (26400)	1 1/4 - 7UNC	3.39	2.36	0.94	1.02	1.88	2.44	0.75	4.25	250	4.0	**8-P292K-045**
8-292K-070	15400 (35200)	1 1/2 - 6UNC	4.06	2.83	1.14	1.26	2.25	3.07	0.87	5.12	300	7.0	**8-P292K-070**
8-292K-090	19800 (52800)	1 3/4 - 5UNC	4.72	3.23	1.34	1.50	2.63	3.46	1.00	5.91	400	11.0	**8-P292K-090**
8-292K-120	26400 (70400)	2 - 4.5UNC	5.39	3.70	1.50	1.69	3.00	4.09	1.00	6.61	400	16.7	**8-P292K-120**

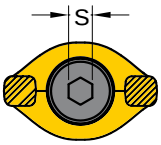
★ Design Factor 4:1

** Bolt in GEOMET® finished on request

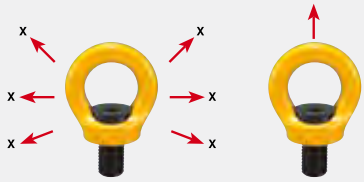
WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT







Load direction



-Nominal WLL-

Vertical load
-straight pull-
()-Values

Patent

Eye Point

Metric Thread (8-291)

Item No.	Working Load Limit	Thread	Dimensions (mm)								Torque in	N.W.	Repair
	tonnes*	M	A	B	C	D	E	F	S	W	Nm	kg	Kits
	x (z)												
8-291-003	0.3 (1)	M 8 x 1.25	36	25	8	11	12	25	6	44	10	0.1	**8-P291-003**
8-291-004	0.4 (1)	M10 x 1.5	36	25	8	11	15	25	6	44	10	0.1	**8-P291-004**
8-291-007	0.75 (2)	M12 x 1.75	42	30	10	13	18	33	8	52	10	0.2	**8-P291-007**
8-291-015	1.5 (4)	M16 x 2	51	35	14	13	24	35	10	61	30	0.3	**8-P291-015**
8-291-023	2.3 (6)	M20 x 2.5	57	40	16	17	30	44	12	70	70	0.5	**8-P291-023**
8-291-032	3.2 (8)	M24 x 3	70	48	19	21	36	52	14	84	150	0.9	**8-P291-032**
8-291-045	4.5 (12)	M30 x 3.5	86	60	24	26	45	62	17	108	350	1.7	**8-P291-045**
8-291-070	7.0 (16)	M36 x 4	103	72	29	32	54	78	22	130	410	2.9	**8-P291-070**
8-291-090	9.0 (24)	M42 x 4.5	120	82	34	38	63	88	24	150	550	4.6	**8-P291-090**
8-291-120	12.0 (32)	M48 x 5	137	94	38	43	72	104	27	168	550	7.0	**8-P291-120**
8-291-140	12.0 (32)	M56 x 5.5	147	102	40	43	84	124	27	178	800	9.2	**8-P291-140**
8-291-150	12.0 (32)	M64 x 6	147	102	40	43	84	124	27	178	800	10.0	**8-P291-150**

★ Design Factor 4:1

** Bolt in GEOMET® finished on request

UNC Thread (8-292)

Item No.	Working Load Limit	Thread	Dimensions (inch)								Torque in	N.W.	Repair
	lbs*	TPI	A	B	C	D	E	F	S	W	ft. lbs	lbs	Kits
	x (z)												
8-292-003	660 (2200)	5/16 - 18UNC	1.42	0.98	0.33	0.43	0.47	0.98	0.26	1.73	7	0.2	**8-P292-003**
8-292-004	880 (2200)	3/8 - 16UNC	1.42	0.98	0.33	0.43	0.57	0.98	0.26	1.73	7	0.2	**8-P292-004**
8-292-007	1650 (4400)	1/2 - 13UNC	1.65	1.18	0.39	0.51	0.75	1.30	0.31	2.05	7	0.4	**8-P292-007**
8-292-015	3300 (8800)	5/8 - 11UNC	2.01	1.38	0.55	0.51	0.94	1.38	0.37	2.40	20	0.7	**8-P292-015**
8-292-023	5060 (13200)	3/4 - 10UNC	2.24	1.57	0.63	0.67	1.13	1.73	0.50	2.76	50	1.1	**8-P292-023**
8-292-025	5060 (13200)	7/ 8 - 9UNC	2.24	1.57	0.63	0.67	1.31	1.73	0.50	2.76	50	1.1	**8-P292-025**
8-292-032	7040 (17600)	1 - 8UNC	2.76	1.89	0.75	0.83	1.50	2.05	0.56	3.31	110	2.0	**8-P292-032**
8-292-045	9900 (26400)	1 1/4 - 7UNC	3.39	2.36	0.94	1.02	1.88	2.44	0.75	4.25	250	3.7	**8-P292-045**
8-292-070	15400 (35200)	1 1/2 - 6UNC	4.06	2.83	1.14	1.26	2.25	3.07	0.87	5.12	300	6.4	**8-P292-070**
8-292-090	19800 (52800)	1 3/4 - 5UNC	4.72	3.23	1.34	1.50	2.63	3.46	1.00	5.91	400	10.1	**8-P292-090**
8-292-120	26400 (70400)	2 - 4.5UNC	5.39	3.70	1.50	1.69	3.00	4.09	1.00	6.61	400	15.4	**8-P292-120**

★ Design Factor 4:1

** Bolt in GEOMET® finished on request

⚠ WARNING
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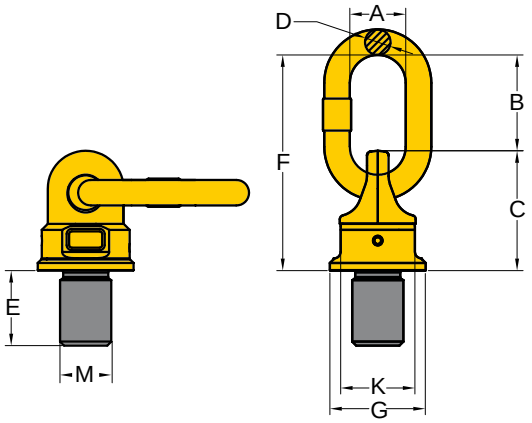
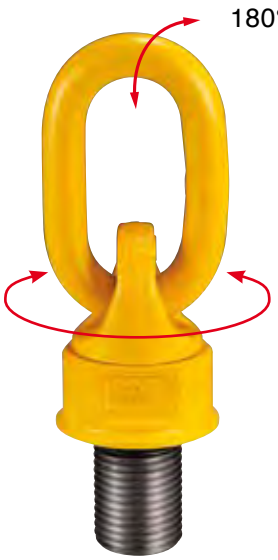
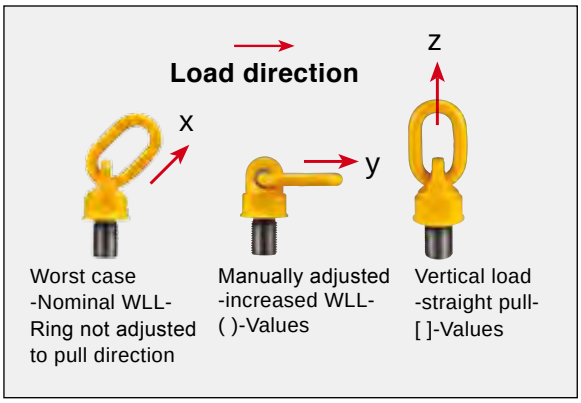






Swivel Point

Metric Thread (8-271)

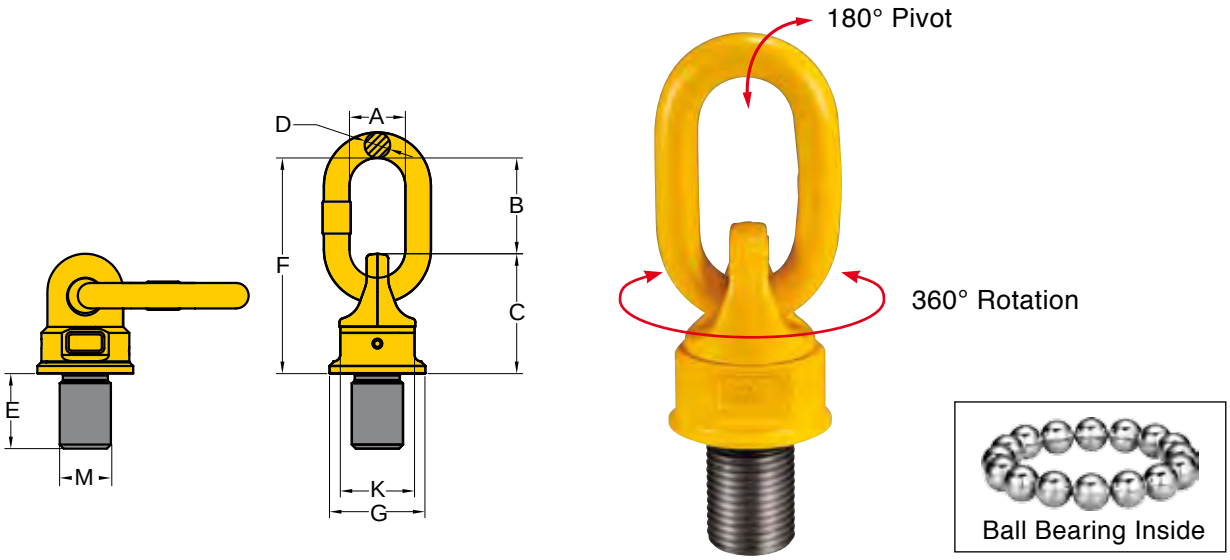
Item No.	Working Load Limit tonnes* x (y) [z]	Thread M	Dimensions (mm) A	B	C	D	E	F	G	K	Torque in Nm	N.W. kg
8-271-003	0.3 (0.4) [0.6]	M 8 x 1.25	29	32	40	8	12	72	35	30	10	0.2
8-271-004	0.45 (0.6) [0.9]	M10 x 1.5	29	32	40	8	15	72	35	30	10	0.2
8-271-006	0.6 (0.7) [1.2]	M12 x 1.75	35	50	45	10	18	95	40	36	10	0.3
8-271-013	1.3 (1.5) [2.6]	M16 x 2	38	50	54	13	24	104	46	41	30	0.5
8-271-020	2 (2.5) [4]	M20 x 2.5	38	54	68	13	30	122	62	55	70	1.0
8-271-035	3.5 (4) [7]	M24 x 3	40	66	88	19	36	154	78	70	150	2.2
8-271-060	5 (6) [10]	M30 x 3.5	50	86	120	22	46	206	90	80	350	4.5
8-271-080	8 (10) [15]	M36 x 4	50	86	120	22	55	206	90	80	410	4.6
8-271-120	13(13) [17]	M42 x 4.5	65	110	122	25	64	235	98	84	550	5.5
8-271-130	14(16) [18]	M48 x 5	65	110	122	25	73	235	98	84	550	6.1
8-271-140	20(20) [25]	M52 x 5	70	120	150	32	79	270	120	94	750	10.5
8-271-160	20(22) [28]	M56 x 5.5	70	120	150	32	85	270	120	94	800	10.7
8-271-161	20(25) [28]	M64 x 6	70	120	150	32	95	270	120	94	800	11.6
8-271-310	40(40) [50]	M72 x 6	90	130	210	45	108	340	170	145	1200	30.6
8-271-350	40(48) [50]	M80 x 6	90	130	210	45	120	340	170	145	1500	31.9
8-271-400	40(50) [50]	M90 x 6	90	130	210	45	135	340	170	145	2000	33.9

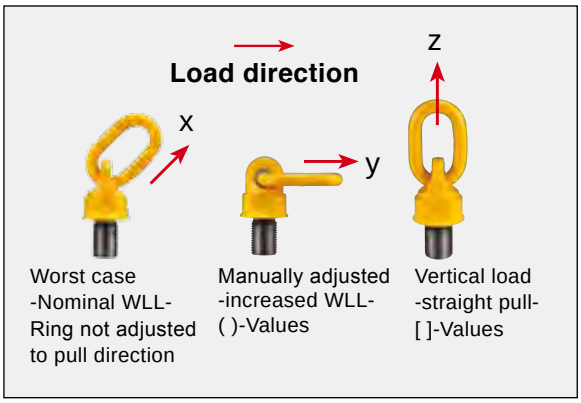
★ Design Factor 4:1

※ Thread M33, M39, M45, up to M150 are available upon request

※ Tested to meet GS-OA-15-04

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT





Swivel Point

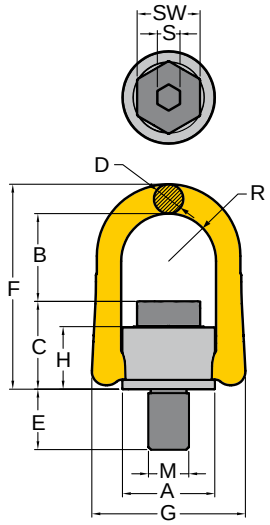
UNC Thread (8-272)

Item No.	Working Load Limit lbs* x (y) [z]	Thread TPI	Dimensions (inch) A	B	C	D	E	F	G	K	Torque in ft. lbs	N.W. lbs
8-272-006	1320 (1550) [2650]	1/2 - 13UNC	1.38	1.97	1.77	0.39	0.75	3.74	1.57	1.42	7	0.7
8-272-013	2860 (3300) [5720]	5/8 - 11UNC	1.50	1.97	2.13	0.51	0.94	4.09	1.81	1.61	20	1.2
8-272-018	3960 (4400) [7900]	3/4 - 10UNC	1.50	1.97	2.68	0.51	1.13	4.09	1.81	1.61	20	1.2
8-272-020	4400 (5500) [8800]	7/8 - 9UNC	1.50	2.13	2.68	0.51	1.31	4.80	2.44	2.17	50	2.2
8-272-035	7700 (8800) [15400]	1 - 8UNC	1.57	2.60	3.46	0.75	1.50	6.06	3.07	2.76	110	4.8
8-272-060	11000 (13200) [22000]	1 1/4 - 7UNC	1.97	3.39	4.72	0.87	1.88	8.11	3.54	3.15	250	9.9
8-272-080	17600 (22000) [33000]	1 1/2 - 6UNC	1.97	3.39	4.72	0.87	2.25	8.11	3.54	3.15	300	10.0
8-272-120	28600 (28600) [37400]	1 3/4 - 5UNC	2.56	4.33	4.80	0.98	2.63	9.25	3.86	3.31	400	12.1
8-272-130	30800 (35200) [39600]	2 - 4.5UNC	2.56	4.33	4.80	0.98	3.00	9.25	3.86	3.31	400	13.5
8-272-140	44000 (48400) [55000]	2 1/4 - 4.5UNC	2.76	4.72	5.91	1.26	3.38	10.63	4.72	3.70	550	23.1
8-272-160	44000 (48400) [61600]	2 1/2 - 4UNC	2.76	4.72	5.91	1.26	3.75	10.63	4.72	3.70	590	23.5
8-272-310	88000 (88000) [110000]	3 - 4UNC	3.54	5.12	8.27	1.77	4.50	13.39	6.69	5.71	880	67.3
8-272-350	88000 (105600) [110000]	3 1/2 - 4UNC	3.54	5.12	8.27	1.77	5.25	13.39	6.69	5.71	1100	70.2
8-272-400	88000 (110000) [110000]	4 - 4UNC	3.54	5.12	8.27	1.77	6.00	13.39	6.69	5.71	1470	74.6

★ Design Factor 4:1

※ Thread up to 6" are available upon request

※ Tested to meet GS-OA-15-04



Patent Pending

Anchor Point

Metric Thread (8-231)

Item No.	Working Load Limit tonnes*		Thread	Dimensions (mm)											Torque in Nm	N.W. kg	Repair Kits
	5:1	4:1	M	A	B	C	D	E	F	G	H	R	S	SW			
8-231-005	0.4	0.5	M 8 x 1.25	33	42	28	11	12	80	58	23	17	6	13	30	0.3	**8-P231-005**
8-231-007	0.56	0.7	M10 x 1.5	33	41	29	11	15	80	58	23	17	6	17	60	0.3	**8-P231-007**
8-231-010	0.8	1.0	M12 x 1.75	33	40	31	11	18	80	58	23	17	8	19	100	0.3	**8-P231-010**
8-231-015	1.2	1.5	M14 x 2	51	56	45	17	21	117	90	36	27	10	22	120	0.9	**8-P231-015**
8-231-020	1.6	2.0	M16 x 2	51	54	46	17	24	117	90	36	27	10	24	150	0.9	**8-P231-020**
8-231-025	2.0	2.5	M18 x 2	65	78	57	20	27	153	108	44	34	12	30	200	1.9	**8-P231-025**
8-231-030	2.4	3.0	M20 x 2.5	51	52	49	17	30	117	90	36	27	12	30	250	1.0	**8-P231-030**
8-231-050	4.0	5.0	M24 x 3	72	81	59	22	36	162	125	44	37	14	36	400	2.6	**8-P231-050**
8-231-056	4.5	5.6	M27 x 3	87	96	79	30	38	205	148	62	46	17	41	400	4.9	**8-P231-056**
8-231-078	6.25	7.8	M30 x 3.5	87	94	81	30	48	205	148	62	46	17	46	500	5.0	**8-P231-078**
8-231-125	10.0	12.5	M36 x 4	110	112	98	38	54	246	188	75	57	22	55	1000	9.6	**8-P231-125**
8-231-156	12.5	15.6	M42 x 4.5	110	101	109	38	63	246	188	83	57	24	65	1500	10.9	**8-P231-156**
8-231-200	16.0	20.0	M48 x 5	110	97	113	38	72	246	188	83	57	27	75	2000	11.6	**8-P231-200**
8-231-220	17.6	22.0	M56 x 5.5	123	113	123	38	84	273	202	91	64	—	85	2100	15.0	**8-P231-220**
8-231-225	18.0	22.5	M64 x 6	123	112	124	38	96	273	202	91	64	—	95	2200	16.3	**8-P231-225**

* Proof Load is 2.5 times the Working Load Limit on the 4:1 design factor.

** Bolt in GEOMET® finished on request

UNC Thread (8-232)

Item No.	Working Load Limit lbs*	Thread TPI	Dimensions (inch)											Torque in ft. lbs	N.W. lbs	Repair Kits
			A	B	C	D	E	F	G	H	R	S	SW			
8-232-010	1700	1/2 - 13 UNC	1.97	2.23	1.73	0.65	0.75	4.61	3.54	1.42	1.06	5/16	3/4	73	1.8	**8-P232-010**
8-232-020	3500	5/8 - 11 UNC	1.97	2.13	1.81	0.65	0.94	4.61	3.54	1.42	1.06	3/8	15/16	110	2.0	**8-P232-020**
8-232-030	5300	3/4 - 10 UNC	1.97	2.07	1.89	0.65	1.10	4.61	3.54	1.42	1.06	1/2	1 1/8	185	2.2	**8-P232-030**
8-232-038	6700	7/8 - 9 UNC	2.56	2.99	2.28	0.79	1.10	6.02	4.25	1.73	1.34	5/8	1 5/16	221	4.3	**8-P232-038**
8-232-050	8800	1 - 8 UNC	2.81	3.17	2.34	0.87	1.61	6.38	4.92	1.73	1.46	7/8	1 1/2	295	5.7	**8-P232-050**
8-232-078	13700	1 1/4 - 7 UNC	3.43	3.66	3.23	1.18	1.61	8.07	5.83	2.44	1.79	7/8	1 7/8	368	11.0	**8-P232-078**
8-232-125	22000	1 1/2 - 6 UNC	4.29	4.38	3.87	1.50	2.39	9.69	7.40	2.93	2.22	1	2 1/4	585	21.2	**8-P232-125**
8-232-200	35200	2 - 4.5 UNC	4.29	3.80	4.46	1.50	3.00	9.69	7.40	3.25	2.22	1 1/4	3	1476	25.6	**8-P232-200**

★ Design Factor 5:1

** Bolt in GEOMET® finished on request

WARNING
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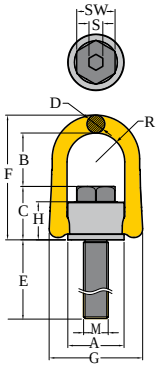


Patent Pending

Anchor Point Long Bolt

Metric Thread

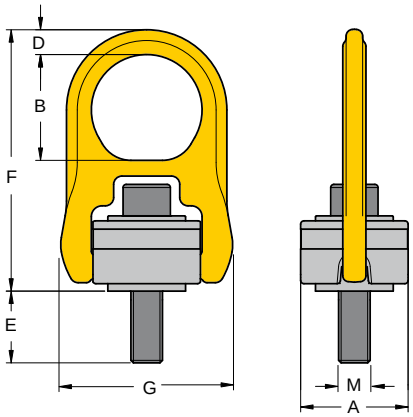
Item No.	Working Load Limit tonnes*		Thread	Dimensions (mm)											Torque in Nm	N.W. kg	Repair Kits
	5:1	4:1	M	A	B	C	D	E	F	G	H	R	S	SW			
8-231-005/105L	0.4	0.5	M 8 x 1.25	31	42	28	11	83	80	58	23	17	6	13	30	0.3	**8-P231-005/105L**
8-231-007/125L	0.56	0.7	M10 x 1.5	31	41	29	11	103	80	58	23	17	6	17	60	0.4	**8-P231-007/125L**
8-231-010/150L	0.80	1	M12 x 1.75	31	40	31	11	128	80	58	23	17	8	19	100	0.4	**8-P231-010/150L**
8-231-020/185L	1.6	2	M16 x 2	51	54	46	17	149	117	90	36	27	10	24	150	1.1	**8-P231-020/185L**
8-231-030/230L	2.4	3	M20 x 2.5	51	52	49	17	194	117	90	36	27	12	30	250	1.4	**8-P231-030/230L**
8-231-050/265L	4	5	M24 x 3	72	81	59	22	221	162	125	44	37	14	36	400	3.2	**8-P231-050/265L**
8-231-078/340L	6.25	7.8	M30 x 3.5	87	94	81	30	278	205	148	62	46	17	46	500	6.3	**8-P231-078/340L**
8-231-125/300L	10	12.5	M36 x 4	110	112	98	38	225	246	188	75	57	22	55	1000	10.9	**8-P231-125/300L**
8-231-156/350L	12.5	15.6	M42 x 4.5	110	101	109	38	268	246	188	83	57	24	65	1500	13.9	**8-P231-156/350L**
8-231-200/385L	16	20	M48 x 5	110	97	113	38	303	246	188	83	57	27	75	2000	14.7	**8-P231-200/385L**

* Proof Load is 2.5 times the Working Load Limit on the 4:1 design factor.

** Bolt in GEOMET® finished on request

Hoist Ring

with Alloy Steel Washer



Metric Thread (8-203)

	Item No.	Working Load Limit tonnes* 5 : 1	Working Load Limit tonnes* 4 : 1	Thread M	A	B	D	E	F	G	Torque in Nm	N.W. kg
	8-203-004	0.40	0.50	M 8 x 1.25	40	41	9	17	102	65	10	0.4
	8-203-005	0.45	0.55	M10 x 1.5	40	41	9	11	102	65	16	0.5
§	**8-203-005L**	0.45	0.55	M10 x 1.5	40	41	9	26	102	65	16	0.5
	8-203-010	1.05	1.30	M12 x 1.75	65	64	15	15	158	105	38	1.7
§	**8-203-010L**	1.05	1.30	M12 x 1.75	65	64	15	30	158	105	38	1.7
	8-203-019	1.90	2.40	M16 x 2	65	64	15	20	158	105	81	1.8
§	**8-203-019L**	1.90	2.40	M16 x 2	65	64	15	35	158	105	81	1.8
	8-203-021	2.15	2.70	M20 x 2.5	65	64	15	25	158	105	136	1.8
§	**8-203-021L**	2.15	2.70	M20 x 2.5	65	64	15	45	158	105	136	1.9
	8-203-030	3.00	3.75	M20 x 2.5	85	79	19	25	204	134	136	4.0
§	**8-203-030L**	3.00	3.75	M20 x 2.5	85	79	19	45	204	134	136	5.2
	8-203-042	4.20	5.25	M24 x 3	85	79	19	26	204	134	312	4.2
§	**8-203-042L**	4.20	5.25	M24 x 3	85	79	19	56	204	134	312	4.3
	8-203-070	7.00	8.75	M30 x 3.5	100	100	25	81	241	160	637	6.6
	8-203-110	11.00	13.75	M36 x 4	120	111	30	76	286	194	1005	15.0
	8-203-125	12.50	15.60	M42 x 4.5	120	111	30	65	286	220	1005	16.0
	8-203-135	13.50	16.90	M48 x 5	120	111	30	70	286	220	1350	16.0
	8-203-155	15.50	19.40	M56 x 5.5	138	109	34	79	308	241	1350	19.1
	8-203-223	22.30	27.90	M64 x 6	138	100	38	98	312	241	2847	23.0

* Proof Load is 2.5 times the Working Load Limit on the 4:1 design factor.

** Bolt in GEOMET® finished on request

§ Long Bolts are designed for soft metal work piece.

UNC thread (8-204)

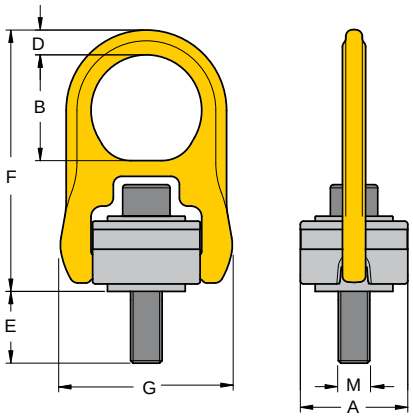
	Item No.	Working Load Limit lbs*	Thread TPI	A	B	D	E	F	G	Torque in ft. lbs	N.W. lbs
	8-204-004	800	5/16 - 18UNC	1.57	1.61	0.35	0.71	4.02	2.56	7	0.9
	8-204-005	1000	3/8 - 16UNC	1.57	1.61	0.35	0.71	4.02	2.56	12	0.9
	8-204-010	2500	1/2 - 13UNC	2.56	2.32	0.59	0.75	6.26	4.13	28	3.7
§	**8-204-010L**	2500	1/2 - 13UNC	2.56	2.32	0.59	1.26	6.26	4.13	28	3.7
	8-204-019	4000	5/8 - 11UNC	2.56	2.32	0.59	0.74	6.26	4.13	60	4.0
§	**8-204-019L**	4000	5/8 - 11UNC	2.56	2.32	0.59	1.75	6.26	4.13	60	4.0
	8-204-021	5000	3/4 - 10UNC	2.56	2.87	0.59	1.24	6.26	4.13	100	4.0
§	**8-204-021L**	5000	3/4 - 10UNC	2.56	2.87	0.59	1.73	6.26	4.13	100	4.2
	8-204-030	7000	3/4 - 10UNC	3.35	2.87	0.59	0.87	6.26	5.28	100	8.8
§	**8-204-030L**	7000	3/4 - 10UNC	3.35	2.87	0.87	1.87	8.03	5.28	100	9.5
	8-204-042	8000	7/8 - 9UNC	3.35	2.87	0.87	1.43	8.03	5.28	160	9.3
§	**8-204-042L**	8000	7/8 - 9UNC	3.35	2.87	0.87	2.37	8.03	5.28	160	9.7
	8-204-045	10000	1 - 8UNC	3.35	2.87	0.87	1.36	8.03	5.28	230	9.5
§	**8-204-045L**	10000	1 - 8UNC	3.35	2.87	0.87	2.36	8.03	5.28	230	10.1
	8-204-070	15000	1 1/4 - 7UNC	3.95	3.15	1.00	2.25	8.58	6.30	470	14.5
	8-204-125	24000	1 1/2 - 6UNC	4.72	4.29	1.38	2.17	12.09	8.66	800	35.2
	8-204-135	30000	2 - 4.5UNC	4.72	4.29	1.38	3.01	12.09	8.66	1100	35.2

★ Design Factor 5:1

§ Long Bolts are designed for soft metal work piece.

** Bolt in GEOMET® finished on request

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT



Hoist Ring

with Ball Bearing

Ball Bearing Inside
Patent

Metric Thread (8-201)

	Item No.	Working Load Limit tonnes* 5 : 1	Working Load Limit tonnes* 4 : 1	Thread M	Dimensions (mm) A	B	D	E	F	G	Torque in Nm	N.W. kg
	8-201-004	0.40	0.50	M 8 x 1.25	40	41	9	16.5	102	65	10	0.4
	8-201-005	0.45	0.55	M10 x 1.5	40	41	9	11.5	102	65	16	0.4
§	**8-201-005L**	0.45	0.55	M10 x 1.5	40	41	9	26.5	102	65	16	0.5
	8-201-010	1.05	1.30	M12 x 1.75	65	64	15	14.0	158	105	38	1.7
§	**8-201-010L**	1.05	1.30	M12 x 1.75	65	64	15	29.0	158	105	38	2.1
	8-201-019	1.90	2.40	M16 x 2	65	64	15	19.0	158	105	81	1.7
§	**8-201-019L**	1.90	2.40	M16 x 2	65	64	15	34.0	158	105	81	1.8
	8-201-021	2.15	2.70	M20 x 2.5	65	64	15	24.0	158	105	136	1.8
§	**8-201-021L**	2.15	2.70	M20 x 2.5	65	64	15	44.0	158	105	136	1.8
	8-201-030	3.00	3.75	M20 x 2.5	85	79	19	25.0	204	134	136	4.1
§	**8-201-030L**	3.00	3.75	M20 x 2.5	85	79	19	45.0	204	134	136	4.2
	8-201-042	4.20	5.25	M24 x 3	85	79	19	25.0	204	134	312	4.2
§	**8-201-042L**	4.20	5.25	M24 x 3	85	79	19	50.0	204	134	312	4.3

* Proof Load is 2.5 times the Working Load Limit on the 4:1 design factor.

** Bolt in GEOMET® finished on request

§ Long Bolts are designed for soft metal work piece.

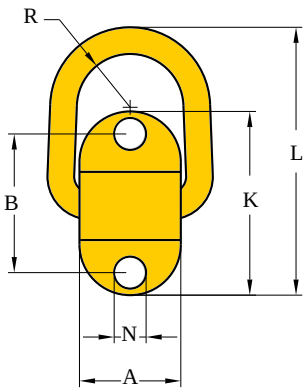
UNC thread (8-202)

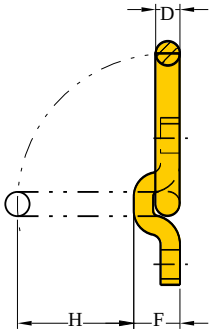
	Item No.	Working Load Limit lbs*	Thread TPI	A	B	D	E	F	G	Torque in ft. lbs	N.W. lbs
	8-202-004	800	5/16 - 18UNC	1.57	1.61	0.35	0.71	4.02	2.56	7	0.9
	8-202-005	1000	3/8 - 16UNC	1.57	1.61	0.35	0.71	4.02	2.56	12	0.9
	8-202-010	2500	1/2 - 13UNC	2.56	2.32	0.59	1.07	6.26	4.13	28	3.7
§	**8-202-010L**	2500	1/2 - 13UNC	2.56	2.32	0.59	1.26	6.26	4.13	28	4.1
	8-202-019	4000	5/8 - 11UNC	2.56	2.32	0.59	0.74	6.26	4.13	60	3.7
§	**8-202-019L**	4000	5/8 - 11UNC	2.56	2.32	0.59	1.75	6.26	4.13	60	4.0
	8-202-021	5000	3/4 - 10UNC	2.56	2.87	0.59	1.24	6.26	4.13	100	4.0
§	**8-202-021L**	5000	3/4 - 10UNC	2.56	2.87	0.59	1.73	6.26	4.13	100	4.0
	8-202-030	7000	3/4 - 10UNC	3.35	2.87	0.59	0.87	6.26	5.28	100	9.0
§	**8-202-030L**	7000	3/4 - 10UNC	3.35	2.87	0.87	1.87	8.03	5.28	100	9.0
	8-202-042	8000	7/8 - 9UNC	3.35	2.87	0.87	1.43	8.03	5.28	160	9.2
§	**8-202-042L**	8000	7/8 - 9UNC	3.35	2.87	0.87	2.37	8.03	5.28	160	9.5
	8-202-045	10000	1 - 8UNC	3.35	2.87	0.87	1.36	8.03	5.28	230	9.3
§	**8-202-045L**	10000	1 - 8UNC	3.35	2.87	0.87	2.36	8.03	5.28	230	9.7

★ Design Factor 5:1

§ Long Bolts are designed for soft metal work piece.

** Bolt in GEOMET® finished on request





Bolt-on Tie Down. Code “DAB” .

Designed with spring, stop at any angle

supplied without bolt

Item No.	Working Load Limit	Dimensions (mm)									N.W.
	tonnes*	A	B	D	F	H	K	L	N	R	kg
8-058-1T	1.0	50	72	14	27	55	98	139	14	24	0.7
8-058-3T	3.0	58	84	17	33	50	114	144	18	29	1.1
8-058-5T	5.0	64	116	22	43	74	160	203	23	33	2.5

★ Design factor 5:1

Bolts of grade 10.9 & 12.9 are recommended

Weld-on Lifting Points

				8-0573 Economic Point							8-057 Weld-on Point					8-082 Weld-on Ring					8-081 Weld-on Hook							
																												
	Number of legs	Load direction	Item No.	8-0573-01	8-0573-03	8-0573-05	8-0573-08	8-0573-10	8-0573-20	8-0573-30	8-057-1T	8-057-3T	8-057-5T	8-057-8T	8-057-10T	8-082-04	8-082-06	8-082-10	8-082-16	8-082-30	8-081-01	8-081-02	8-081-03	8-081-04	8-081-05	8-081-08	8-081-10	8-081-15
	1	0°		1	3	5	8	10	20	30	1	3	5	8	10	4	6.7	10	16	31.5	1	2	3	4	5	8	10	15
	2	0°		2	6	10	16	20	40	60	2	6	10	16	20	8	13.4	20	32	63	2	4	6	8	10	16	20	30
	1	90°		1	3	5	8	10	20	30	1	3	5	8	10	4	6.7	10	16	31.5	1	2	3	4	5	8	10	15
	2	90°		2	6	10	16	20	40	60	2	6	10	16	20	8	13.4	20	32	63	2	4	6	8	10	16	20	30
	2	0-45°		1.4	4.2	7	11.2	14	28	42	1.4	4.2	7	11.2	14	5.6	9.4	14	22.4	44.1	1.4	2.8	4.2	5.6	7	11.2	14	21
	2	45-60°		1	3	5	8	10	20	30	1	3	5	8	10	4	6.7	10	16	31.5	1	2	3	4	5	8	10	15
	2	unsymm.		1	3	5	8	10	20	30	1	3	5	8	10	4	6.7	10	16	31.5	1	2	3	4	5	8	10	15
	3-4	0-45°		2.1	6.3	10.5	16.8	21	42	63	2.1	6.3	10.5	16.8	21	8.4	14.1	21	33.6	66.2	2.1	4.2	6.3	8.4	10.5	16.8	21	31.5
	3-4	45-60°		1.5	4.5	7.5	12	15	30	45	1.5	4.5	7.5	12	15	6	10.1	15	24	47.3	1.5	3	4.5	6	7.5	12	15	22.5
	3-4	unsymm.		1	3	5	8	10	20	30	1	3	5	8	10	4	6.7	10	16	31.5	1	2	3	4	5	8	10	15

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT

WELDING INSTRUCTIONS

The welding should only be carried out by qualified welder according to Standards, e.g. EN 287 or AWS.

Support material

- Material of the welding block is S355J2+N (1.0577+N, St 52-3N, B.S. 4360.50D, AISI 1019 etc.).
- Prior to welding, the contact areas must be free from impurities, oil, paint, rust, scale, etc., for example by grinding. If the surface is at all corroded, all rust must be completely removed from the weld area. Painted surface must be prepared in the same way.
- The steel support member must have a carbon content of no more than 0.40%.
- In ambient temperature of 10°C and below, pre-heating of the weld area prior to welding must be carried out.

Seam welding

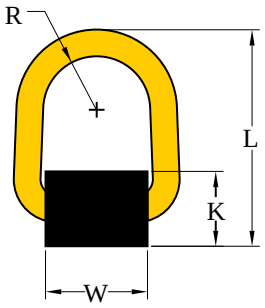
- The welds must be sufficiently strong to take the required loads.
- Before starting the final weld pass, clean well the root pass to avoid inclusions.
- The complete welding operation must be carried out continuously so that the parts do not have time to cool.
- Effects of temperature
  - The complete construction can be annealed stress release at <600°C without reduction of WLL.
  - Do not rapidly cool the weld.
- A thorough inspection of the weld should be performed. No cracks, pitting, inclusions, notches or undercuts are allowed. If doubt exists, use a suitable NDT method, such as magnetic particle or liquid penetrant to verify.
- If repair is required, grind out the defect and re-weld using the original qualified procedure.

Welding materials

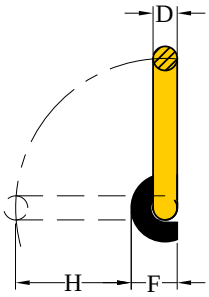
- Weld materials must have a minimum tensile strength of 70,000 PSI (such as AWS A5.1 E-7018), following the electrode manufacturer' s recommendations. Reference information as below:

MIG arc welding:

- Wire diameter 0.8 - 1.2 as per DIN 8559-SG 3, AWS A 5.18.
- Important: do not weld in the open air during bad weather



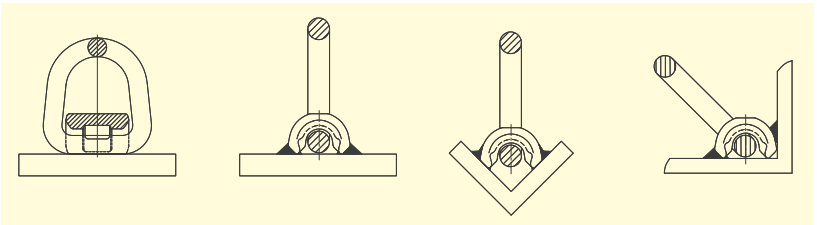
Economic Type



180° Pivot

Economic Point

Economic Type without Spring Inside

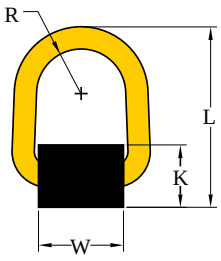


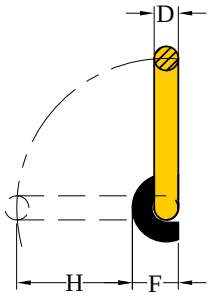
Item No.	Working Load Limit	Dimensions (mm)							N.W.
	tonnes*	D	F	H	K	L	R	W	kg
8-0573-01	1.0	14	26	56	37	105	24	48	0.5
8-0573-03	3.0	17	31	63	48	112	29	54	0.9
8-0573-05	5.0	22	37	66	56	154	33	56	1.3
8-0573-08	8.0	26	47	88	68	169	34	55	2.4
8-0573-10	10.0	20	47	88	68	191	41	70	2.8
8-0573-20	20.0**	25	70	123	93	234	50	91	6.5
8-0573-30	30.0**	35	98	145	130	328	70	127	17.2

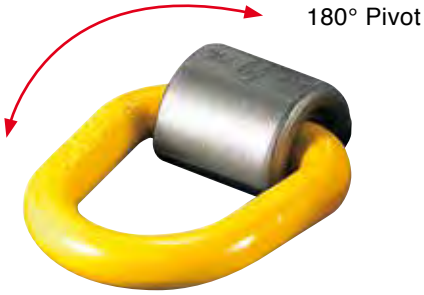
★ Design factor 5:1

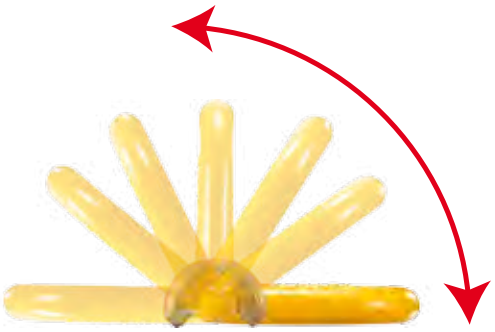
** Design factor 4:1

WARNING
NEVER EXCEED PUBLISHED WORKING LOAD LIMIT





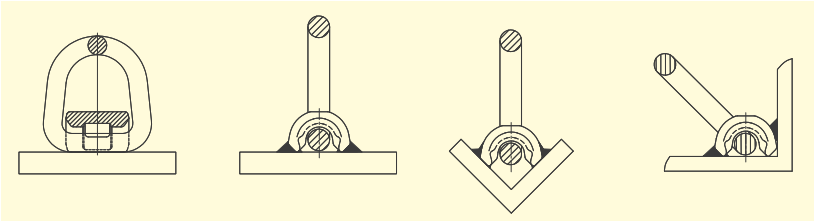




Stop at Any Angle

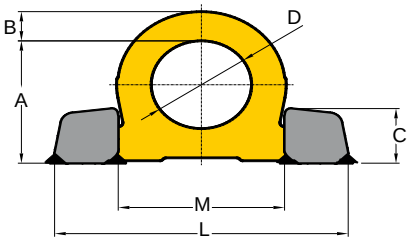
Weld-on Point. Code "DAA" .

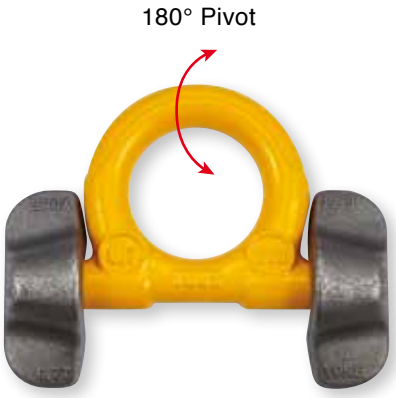
Designed with spring, stop at any angle

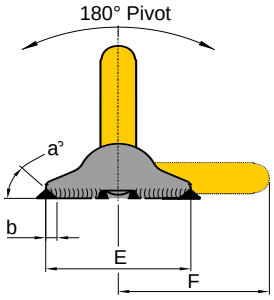


Item No.	Working Load Limit	Dimensions (mm)							N.W.
	tonnes*	D	F	H	K	L	R	W	kg
8-057-1T	1.0	14	27	55	38	105	24	50	0.5
8-057-3T	3.0	17	34	60	48	112	29	58	0.9
8-057-5T	5.0	22	43	74	61	154	33	64	1.3
8-057-8T	8.0	26	54	82	73	169	34	61	2.6
8-057-10T	10.0	20	54	103	73	191	41	75	3.1

★ Design factor 5:1



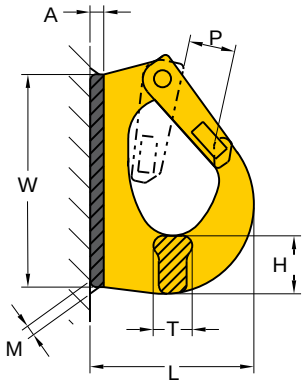


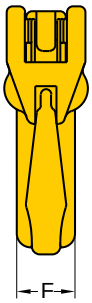


Weld-on Ring

Item No.	Working Load Limit	Dimensions (mm)										N.W.
	tonnes*	A	B	C	D	E	F	L	M	a°	b	kg
8-082-04	4	66	14	30	48	65	70	135	76	45	5	0.6
8-082-06	6.7	85	20	39	60	89	91	171	98	45	5	1.5
8-082-10	10	95	21	46	65	100	100	196	106	45	7	2.4
8-082-16	16	127	30	57	90	130	136	263	149	45	8	5.5
8-082-30	31.5	178	42	78	130	160	195	375	213	45	15	15.8

★ Design Factor 4:1






Repair Kits

Weld-on Hook

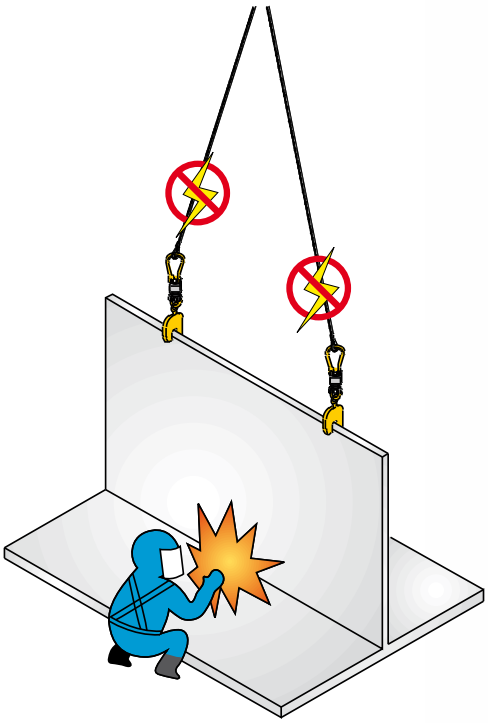
Item No.	Working Load Limit	Dimensions (mm)								N.W.	Repair
	tonnes*	A	F	H	L	M	P	T	W	kg	Kits
8-081-01	1.0	7	25	27	70	4	18	18	95	0.6	**8-P081-01**
8-081-02	2.0	8	30	30	85	5	25	20	115	1.0	**8-P081-02**
8-081-03	3.0	9	35	30	107	6	28	23	133	1.4	**8-P081-03**
8-081-04	4.0	10	42	38	114	7	28	30	142	2.2	**8-P081-04**
8-081-05	5.0	12	44	47	135	7	30	31	167	3.0	**8-P081-05**
8-081-08	8.0	12	50	52	137	8	32	39	176	3.7	**8-P081-08**
8-081-10	10.0	13	56	56	170	8	44	42	222	6.2	**8-P081-10**
8-081-15	15.0	14	61	67	184	10	54	45	242	7.9	**8-P081-15**

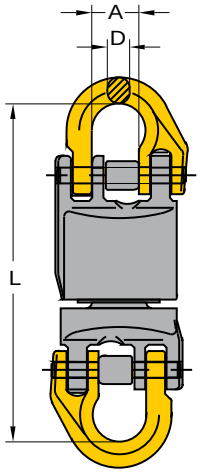
★ Design factor 5:1

YOKE recommends that the working load limit should be reduced to meet any appropriate legislative requirements, if welding on to an excavator. Please contact your YOKE distributors for further information.

YOKE Insulation Solution

- YOKE Insulated Swivel is designed for winch protection in overhead crane during welding operations.
- Heavy hoisting with a strong but lightweight system.
- Individual swivels & components are 100% proof load tested to a minimum of 2.5 times the working load limit.
- All Swivels are individually tested during manufacturing to assure 1000 Volts insulating property. Test certificate is packaged with each unit shipped.
- YOKE Insulated Swivels are designed with ball bearing which performs to fully swivel under Load.
- Acquired (K 91) certificate approved by Deutsche Gesetzliche Unfallversicherung (DGUV) .





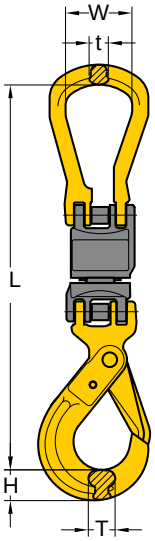
1000 Volts Resistance

Insulated Swivels

with 2 Half Links

Item No.	Working Load Limit	For Grade 80 Chain	Dimensions (mm)			N.W.
	tonnes*	mm	A	D	L	kg
8-123-07	2.0	7, 8	18	9	131	0.7
8-123-10	3.15	10	25	11	162	1.5
8-123-13	5.3	13	30	16	214	3.2
8-123-16	8.0	16	36	19	243	5.4
8-123-20	12.5	18, 20	42	22	285	9.0

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677



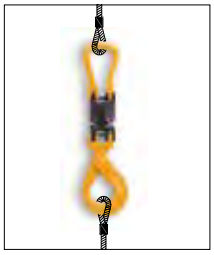
1000 Volts Resistance

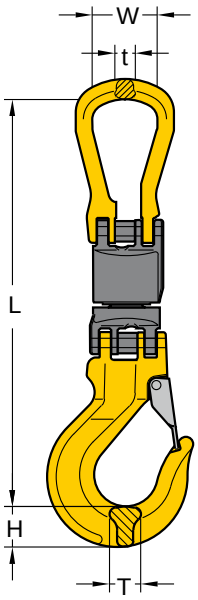
Insulated Swivels

with Open Master Link & Coupling Self Locking Hook

Item No.	Working Load Limit	For Grade 80 Chain	Dimensions (mm)					N.W.
	tonnes*	mm	H	L	T	W	t	kg
8-124-07	2.0	7, 8	24	310	20	50	15	1.8
8-124-10	3.15	10	30	374	26	65	19	3.3
8-124-13	5.3	13	39	471	30	72	23	6.7
8-124-16	8.0	16	49	560	36	80	25	12.0
8-124-20	12.5	18, 20	62	624	48	104	31	18.0

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677





1000 Volts Resistance

Insulated Swivels

with Open Master Link & Sling Hook

Item No.	Working Load Limit	For Grade 80 Chain	Dimensions (mm)					N.W.
	tonnes*	mm	H	L	T	W	t	kg
8-125-07	2.0	7, 8	23	267	19	50	15	1.3
8-125-10	3.15	10	31	335	23	65	19	3.0
8-125-13	5.3	13	36	410	28	72	23	5.5
8-125-16	8.0	16	45	484	32	80	25	9.5
8-125-20	12.5	18, 20	48	558	43	104	31	14.7

★ Design factor 4:1 proof tested and certified
Tested acc. to EN 1677

YOKE®

Safety is our first priority™

YP™

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YOKE®

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An ISO 9001 Registered Company

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