

POWERTEC®
HEAVY DUTY LIFTING

E-CATALOGUE 2026

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE

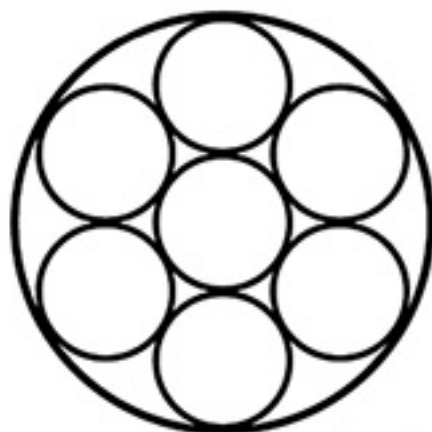


POWERTEC®

HEAVY DUTY LIFTING

WIRE ROPE

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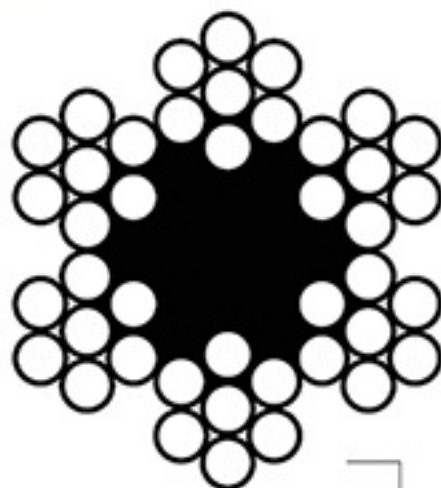
**BERSERTIFIKAT
INTERNASIONAL**

Construction of
WIRE ROPE 1 x 7

**HEAVY DUTY
CHIEF INSPECTOR**

Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1570N/mm ²	1770N/mm ²
0.6	0.18	0.308	0.347
0.8	0.32	0.547	0.617
1	0.5	0.855	0.963
1.5	1.13	1.92	2.17
2	2.01	3.42	3.85
2.5	3.14	5.34	6.02
3	4.52	7.69	8.67
3.5	6.15	10.5	11.8
4	8.03	13.7	15.4
4.5	10.2	17.3	19.5
5	12.6	21.4	24.9
6	18.1	30.8	34.4
7	24.6	41.9	47.34
8	32.1	54.7	60.5

**BERSERTIFIKAT
INTERNASIONAL**



Construction of
WIRE ROPE 6 x 7 + FC

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength					
		Minimum Breaking Strength (kN)					
mm	kg/100m	1570N/mm ²		1770N/mm ²		1960N/mm ²	
	FC	RW/LWG	FC	RW/LWG	FC	RW/LWG	FC
1.2	0.555	0.557	0.75	0.81	0.84	0.91	0.94
2	1.40	1.55	2.38	2.25	2.35	2.54	2.81
3	3.76	3.48	4.99	5.07	5.28	5.71	6.33
4	5.62	5.19	6.30	6.61	6.40	7.10	7.40
5	8.77	8.68	13.00	14.00	14.00	15.80	16.20
6	12.60	13.90	18.70	20.20	21.10	22.80	25.30
7	17.20	19.00	25.50	27.60	28.70	31.10	34.40
8	22.10	24.80	33.30	36.00	37.60	40.60	45.00
9	28.80	31.30	42.20	45.60	47.90	51.40	56.90
10	35.10	38.70	52.10	56.20	58.70	63.50	70.30
11	42.50	46.80	63.00	68.10	71.10	76.80	85.10
12	50.50	55.70	75.00	81.10	84.00	91.50	101.00
13	59.00	65.40	88.00	95.20	99.00	107.00	118.00
14	68.00	75.90	102.00	110.00	115.00	124.00	136.00
16	89.90	99.10	133.00	144.00	150.00	162.00	180.00
18	114.00	125.00	168.00	180.00	188.00	205.00	228.00
20	140.00	155.00	208.00	225.00	235.00	254.00	281.00
22	170.00	187.00	252.00	272.00	284.00	307.00	340.00
24	202.00	223.00	300.00	324.00	338.00	366.00	406.00
26	237.00	262.00	352.00	381.00	397.00	429.00	475.00
28	275.00	303.00	408.00	441.00	460.00	498.00	551.00
30	316.00	348.00	469.00	507.00	528.00	571.00	633.00
32	359.00	395.00	525.00	577.00	591.00	639.00	709.00
34	406.00	447.00	582.00	631.00	659.00	704.00	782.00
36	455.00	502.00	641.00	700.00	731.00	783.00	863.00
38	507.00	559.00	702.00	763.00	800.00	857.00	940.00
40	561.00	619.00	765.00	831.00	870.00	931.00	1020.00
42	619.00	682.00	831.00	904.00	946.00	1013.00	1117.00
44	679.00	749.00	900.00	981.00	1027.00	1100.00	1210.00
46	742.00	818.00	972.00	1062.00	1113.00	1194.00	1307.00
48	808.00	891.00	1050.00	1148.00	1204.00	1294.00	1419.00

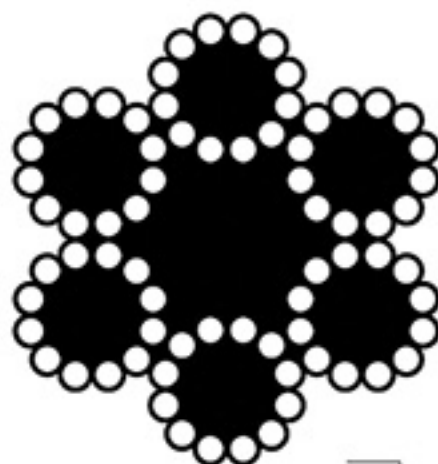
**BERSERTIFIKAT
INTERNASIONAL**

AVAILABLE in RED PVC Coated

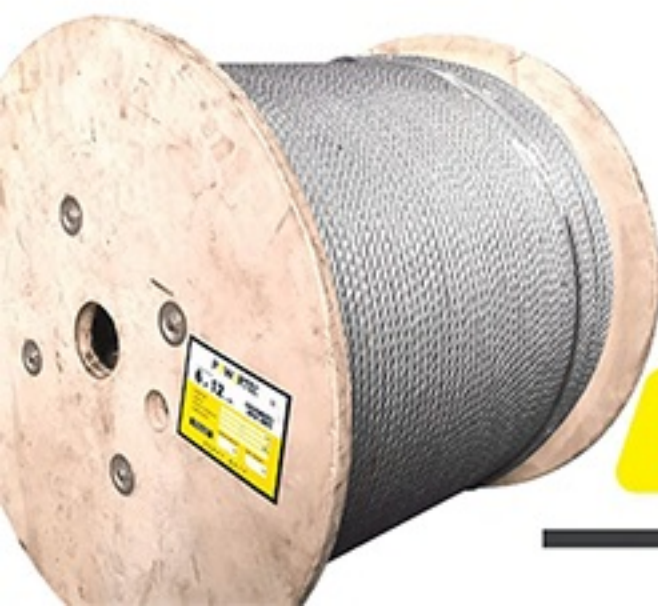
Construction of
**WIRE ROPE 6 x 7 + FC
PVC COATED****HEAVY DUTY
CHIEF INSPECTOR**

Diameter (mm)	Unit Weight (kg/100m)	MBS (kN)	
		1770N/mm ²	1960N/mm ²
1.5-2.5	1.27	1.32	1.46
2.0-3.0	2.00	2.35	2.6
3.0-4.0	4.02	5.29	5.86
3.0-5.0	5.04	5.29	5.86
4.0-5.0	6.74	9.41	10.4
4.0-6.0	8.00	9.41	10.4
5.0-6.0	10.18	14.7	16.3
6.0-8.0	16.04	21.1	23.4
8.0-10	26.95	37.6	41.6

**BERSERTIFIKAT
INTERNASIONAL**



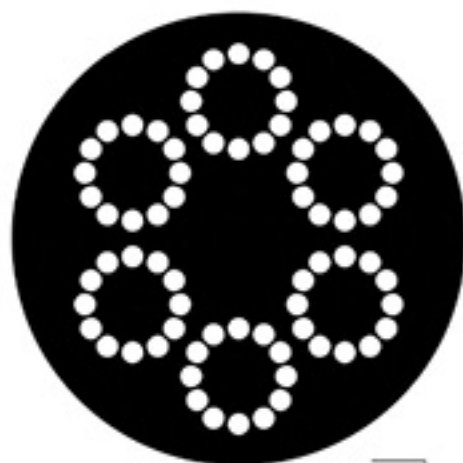
Construction of
WIRE ROPE 6 x 12 + 7FC



**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1570N/mm ²	1770N/mm ²
NF/SF			
5	6.28/5.78	8.20	9.25
6	9.04/8.32	11.80	13.30
7	12.30/11.30	16.10	18.10
8	16.10/14.80	21.00	23.70
9	20.30/18.70	26.60	30.00
10	25.10/23.10	32.80	37.00
11	30.40/28.00	39.70	44.80
12	36.10/33.30	47.30	53.30
14	49.20/45.30	64.30	72.50
16	64.30/59.10	84.00	94.70
18	81.30/74.80	106.00	120.00
20	100/92.40	131.00	148.00
22	121/112	159.00	179.00
24	145/133	189.00	213.00
26	170/156	222.00	250.00
28	197/181	257.00	290.00
30	226/208	295.00	333.00
32	257/237	336.00	379.00
34	290/267	379.00	428.00
36	325/299	425.00	479.00
38	362/334	474.00	534.00
40	402/370	525.00	592.00
42	442/407	579.00	652.00
44	486/447	635.00	716.00
46	531/488	694.00	782.00

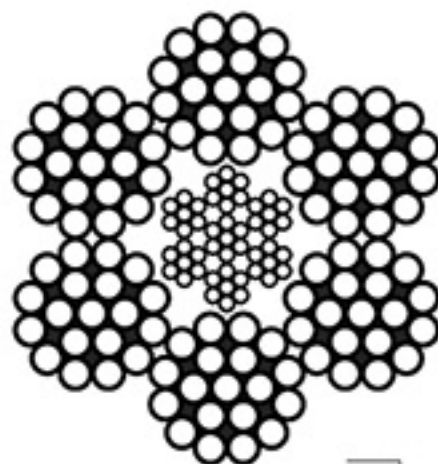
**BERSERTIFIKAT
INTERNASIONAL**

Construction of
**WIRE ROPE 6 x 12 + 7FC
PVC Coated**

**HEAVY DUTY
CHIEF INSPECTOR****AVAILABLE in RED PVC Coated**

Diameter (mm)	Unit Weight (kg/100m)	MBS (kN) 1770N/mm ²
2.0-3.0	1.57	1.48
3.0-4.0	3.06	3.33
3.0-5.0	4.08	3.33
4.0-5.0	5.04	5.92
4.0-6.0	6.29	5.92
6.0-8.0	12.22	13.30
8.0-10	20.20	23.70
10-12	30.80	37

**BERSERTIFIKAT
INTERNASIONAL**



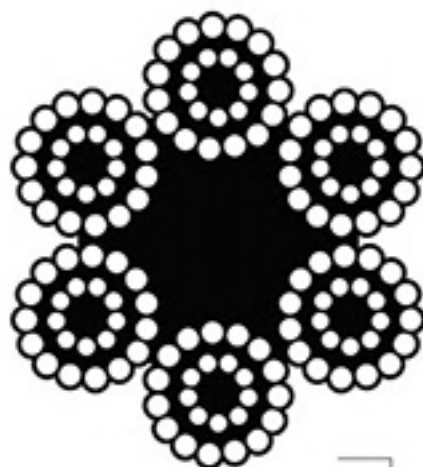
Construction of
WIRE ROPE 6 x 19 + IWRC

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1770N/mm ²	
	RWR/IWS	RWR/IWS	
3	3.43	5.29	
4	6.10	9.40	
5	9.53	14.70	
6	13.70	21.20	
7	18.70	28.80	
8	24.40	37.60	
9	30.90	47.60	
10	38.10	58.80	
11	46.10	71.10	
12	54.90	84.60	
13	64.40	99.30	
14	74.70	115	
16	97.50	150	
18	123	190	
20	152	235	
22	184	284	
24	219	338	
26	258	397	
28	299	461	
30	343	529	
32	390	602	
34	440	679	
36	494	762	
38	550	849	
40	610	940	
42	672	1040	
42	738	1140	
46	806	1240	
48	878	1350	
50	953	1470	
52	1030	1590	
54	1110	1710	
56	1190	1840	

**BERSERTIFIKAT
INTERNASIONAL**

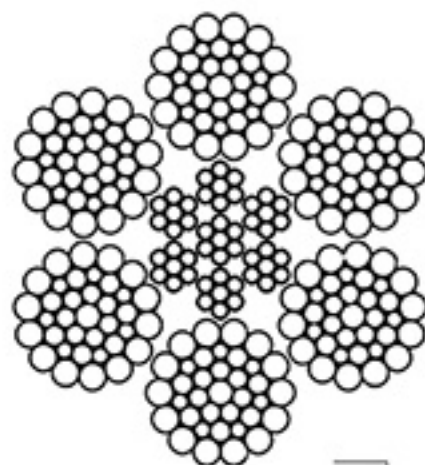


Construction of
WIRE ROPE 6 x 24 + 7FC

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1570N/mm ²	1770N/mm ²
NF/SF			
5	7.95/7.60	11.00	12.40
8	20.40/19.50	28.10	31.70
9	25.80/24.60	35.60	40.10
10	31.80/30.40	44.00	49.60
11	38.50/36.80	53.20	60.00
12	45.80/43.80	63.30	71.40
13	53.70/51.40	74.30	83.80
14	62.30/59.60	86.20	97.10
16	81.40/77.80	113.00	127.00
18	103.00/98.50	142.00	161.00
20	127/122	176.00	198.00
22	154/147	213.00	240.00
24	183/175	253.00	285.00
26	215/206	297.00	335.00
28	249/238	345.00	389.00
30	286/274	396.00	446.00
32	326/311	450.00	507.00
34	368/351	508.00	573.00
36	412/394	570.00	642.00
38	459/439	635.00	716.00
40	509/486	703.00	793.00
42	561/536	775.00	874.00
44	616/589	851.00	959.00
46	673/643	930.00	1050.00
48	733/700	1010.00	1140.00
50	795/760	1100.00	1240.00

**BERSERTIFIKAT
INTERNASIONAL**

Construction of
**WIRE ROPE 6 x 36 + IWRC
GALVANIZED**

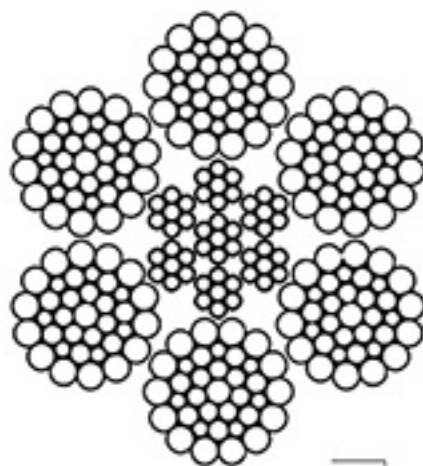


HEAVY DUTY
CHIEF INSPECTOR



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1960N/mm ²	
	IWR/IWS	IWR/IWS	
8	26,8	44,7	
9	33,9	57,3	
10	41,8	69,8	
11	50,6	84,9	
12	60,2	100	
13	70,6	118	
14	81,9	137	
16	107	179	
18	135	226	
20	167	279	
22	202	338	
24	241	402	
26	283	472	
28	328	547	
30	376	628	
32	428	715	
34	483	807	
36	542	904	
38	604	1010	
40	669	1120	
42	737	1230	
44	809	1350	
46	884	1480	
48	963	1610	
50	1050	1740	

**BERSERTIFIKAT
INTERNASIONAL**



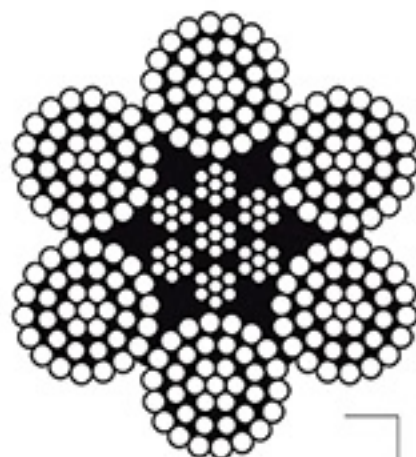
Construction of
**WIRE ROPE 6 x 36 + IWRC
UNGALVANIZED**

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1770N/mm ²	
	IWR/IWS	IWR/IWS	
6	15.00	22.60	
8	26.80	40.30	
9	33.90	51.00	
10	41.80	63.00	
11	50.60	76.20	
12	60.20	90.70	
13	70.60	106	
14	81.90	124	
16	107	161	
18	135	204	
20	167	252	
22	202	305	
24	241	363	
26	283	426	
28	328	494	
30	376	567	
32	428	645	
34	483	728	
36	542	817	
38	604	910	
40	669	1010	
42	737	1110	
44	809	1220	
46	884	1330	
48	963	1450	
50	1050	1580	
52	1130	1700	
54	1220	1840	
56	1310	1980	
58	1410	2120	
60	1500	2270	
62	1610	2420	
65	1766	2662	

**BERSERTIFIKAT
INTERNASIONAL**



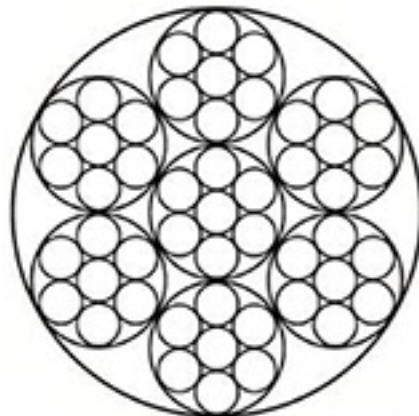
Construction of
WIRE ROPE 6 x 37 + IWRC

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1770N/mm ²	
		IWR/IWS	IWR/IWS
5	9.53		14.10
6	13.70		20.30
7	18.70		27.70
8	24.40		36.10
9	30.90		45.70
10	38.10		56.50
11	46.10		68.30
12	54.90		81.30
13	64.40		95.40
14	74.70		111
16	97.60		145
18	123		183
20	152		226
22	184		273
24	219		325
26	258		382
28	299		443
30	343		508
32	390		578
34	440		653
36	494		732
38	550		815
40	610		903
42	672		996
44	738		1090
46	806		1190
48	878		1300
50	953		1410
52	1030		1530
54	1110		1650
56	1190		1770
58	1280		1900
60	1370		2030
62	1460		2170
64	1560		2310
66	1660		2460
68	1760		2610
70	1870		2770
72	1980		2930
74	2090		3090
76	2200		3260
78	2320		3440
80	2440		3610

**BERSERTIFIKAT
INTERNASIONAL**

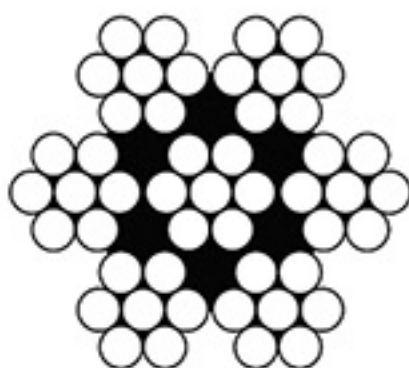


Construction of
WIRE ROPE 7 x 7 + IWRC

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight	Nominal Tensile Strength					
		Minimum Breaking Strength (kN)					
mm	kg/100m	1570N/mm ²		1770N/mm ²		1960N/mm ²	
		FC	IWRC	FC	IWRC	FC	IWRC
12	0.905	0.557	0.75	0.81	0.84	0.94	1.00
2	1.40	1.55	2.38	2.25	2.35	2.54	2.81
3	3.10	3.40	4.39	5.07	5.08	5.78	6.03
4	5.62	5.19	8.33	9.61	9.40	13.10	11.20
5	8.77	8.69	13.00	14.00	14.00	19.80	17.60
6	12.40	13.00	19.70	20.20	21.10	22.80	25.30
7	17.20	19.00	25.50	27.00	28.70	31.10	34.40
8	22.50	24.80	33.30	36.00	37.60	43.60	45.00
9	28.80	31.30	42.20	46.00	47.80	51.40	56.90
10	35.10	38.70	52.10	56.00	58.70	63.50	70.30
11	42.50	46.80	63.00	66.10	71.10	76.80	85.10
12	50.50	55.70	75.00	81.10	84.00	91.50	101.00
13	59.00	65.40	89.00	95.20	99.00	107.00	118.00
14	68.80	75.90	105.00	110.30	115.00	124.00	138.00
16	89.90	99.10	133.00	144.30	150.00	162.00	180.00
18	114.00	126.00	166.00	180.30	190.00	205.00	228.00
20	140.00	155.00	205.00	225.30	235.00	254.00	281.00
22	170.00	187.00	252.00	272.30	284.00	307.00	348.00
24	202.00	223.00	300.00	321.30	338.00	366.00	406.00
26	237.00	262.00	362.00	381.30	397.00	429.00	475.00
28	275.00	305.00	428.00	441.30	460.00	498.00	551.00
30	316.00	348.00	499.00	507.30	528.00	571.00	633.00
32	359.00	396.00	573.00	577.30	591.00	640.00	709.00
34	406.00	447.00	652.00	651.30	679.00	734.00	813.00
36	455.00	502.00	735.00	730.30	761.00	823.00	912.00
38	507.00	559.00	822.00	813.30	848.00	917.00	1016.00
40	561.00	619.00	913.00	901.30	940.00	1015.00	1126.00
42	619.00	682.00	1007.00	994.30	1036.00	1123.00	1241.00
44	679.00	749.00	1103.00	1091.30	1137.00	1233.00	1362.00
46	742.00	818.00	1202.00	1192.30	1243.00	1344.00	1486.00
48	808.00	891.00	1303.00	1298.30	1354.00	1464.00	1621.00

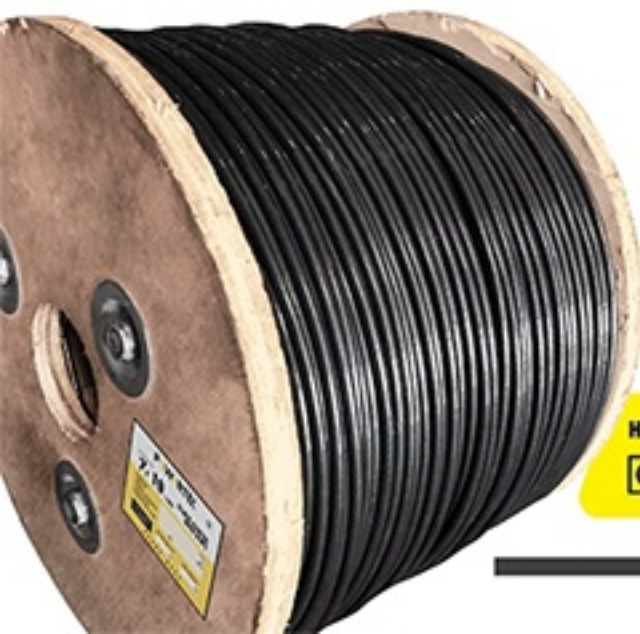
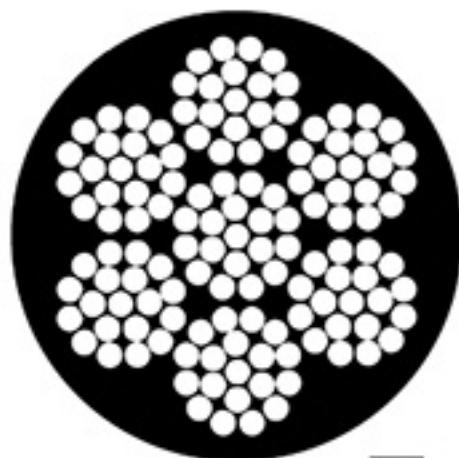
**BERSERTIFIKAT
INTERNASIONAL**

Construction of
WIRE ROPE 7 x 7
Stainless Steel **304 / 316**

HEAVY DUTY
CHIEF INSPECTOR

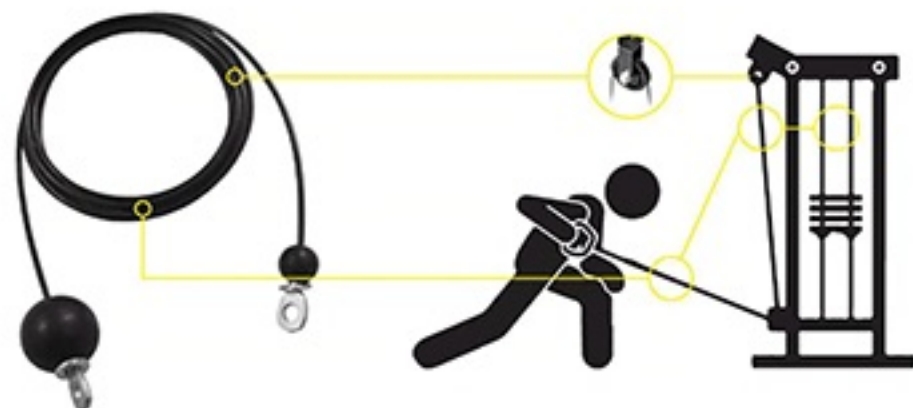


Diameter (mm)	Appro Weight (Kg/100m)	Minimum breaking force(KN)
0.5	0.09	0.14
0.8	0.25	0.29
1	0.39	0.56
1.2	0.56	0.81
1.5	0.88	1.27
2	1.57	2.25
3	3.53	5.07
4	6.28	9.01
5	9.82	14.09
6	14.14	20.29
8	25.15	36.07
10	39.30	56.36
12	56.59	81.16

**BERSERTIFIKAT
INTERNASIONAL**

Construction of
**WIRE ROPE 7 x 19 + IWRC
GYM CABLE
(Nylon Coated)**

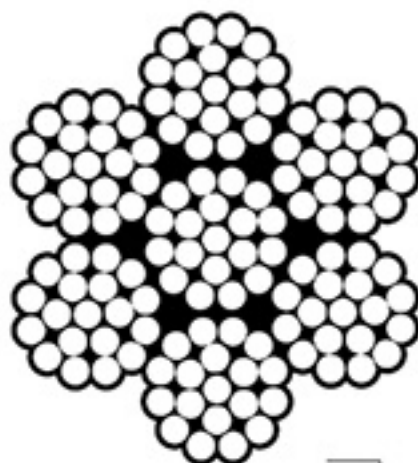
**HEAVY DUTY
CHIEF INSPECTOR**

**SPECIFICALLY INTENDED FOR GYM WEIGHT LIFTING EQUIPMENT**

Diameter	Unit Weight	MBS (kN)
(mm)	kg / 100m	1770 N / mm ²
3 - 5	5.68	5.29
4 - 6	9	9.4

**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

**BERSERTIFIKAT
INTERNASIONAL**



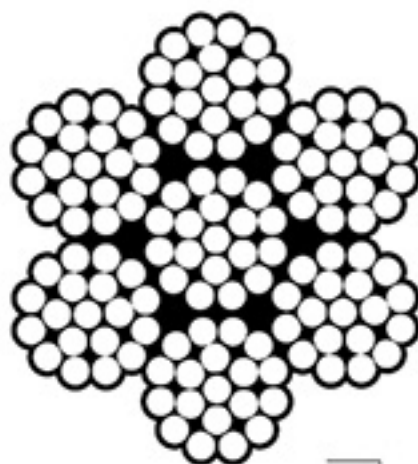
Construction of
WIRE ROPE 7 x 19
Stainless Steel 304

HEAVY DUTY
CHIEF INSPECTOR



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1570N/mm ²	
	RWR/WS	FC	RWR/WS
3	3.43	4.34	4.69
4	6.10	7.71	8.34
5	9.53	12.00	13.00
6	13.70	17.40	18.80
7	18.70	23.60	25.50
8	24.40	30.80	33.40
9	30.90	39.00	42.20
10	38.10	48.20	52.10
11	46.10	58.30	63.10
12	54.90	69.40	75.10
13	64.40	81.50	88.10
14	74.70	94.50	102
16	97.50	123	133
18	123	156	169
20	152	193	208
22	184	233	252
24	219	278	300
26	258	326	352
28	299	378	409
30	343	434	469
32	390	494	534
34	440	557	603
36	494	625	676
38	550	696	753
40	610	771	834
42	672	850	919
42	738	933	1010
46	806	1020	1100
48	878	1110	1200
50	953	1200	1300
52	1030	1300	1410
54	1110	1410	1520
56	1190	1510	1630

**BERSERTIFIKAT
INTERNASIONAL**



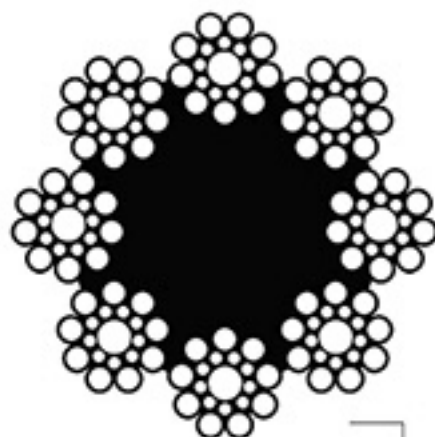
Construction of
WIRE ROPE 7 x 19
Stainless Steel 316

HEAVY DUTY
CHIEF INSPECTOR



Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1570N/mm ²	
	IWR/IWS	FC	IWR/IWS
3	3.43	4.34	4.69
4	6.10	7.71	8.34
5	9.53	12.00	13.00
6	13.70	17.40	18.80
7	18.70	23.60	25.50
8	24.40	30.80	33.40
9	30.90	39.00	42.20
10	38.10	48.20	52.10
11	46.10	58.30	63.10
12	54.90	69.40	75.10
13	64.40	81.50	88.10
14	74.70	94.50	102
16	97.50	123	133
18	123	156	169
20	152	193	208
22	184	233	252
24	219	278	300
26	258	326	352
28	299	378	409
30	343	434	469
32	390	494	534
34	440	557	603
36	494	625	676
38	550	696	753
40	610	771	834
42	672	850	919
42	738	933	1010
46	806	1020	1100
48	878	1110	1200
50	953	1200	1300
52	1030	1300	1410
54	1110	1410	1520
56	1190	1510	1630

**BERSERTIFIKAT
INTERNASIONAL**



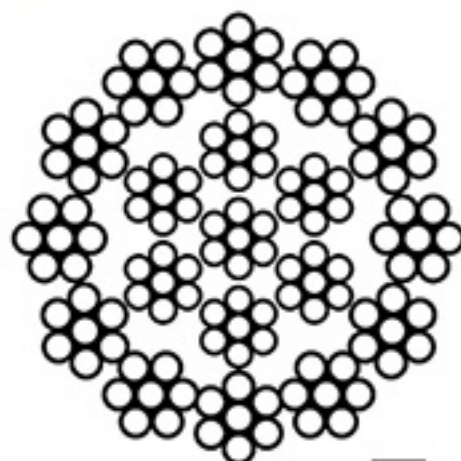
Construction of
WIRE ROPE 8 x 19(S) + SC

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Strength (kN)						
		Double Strength (Mpa)				Single Strength (Mpa)		
		1180/1770	1320/1620	1370/1770	1570/1770	1570	1620	1770
8	21.8	25.7	26.5	28.1	30.8	29.4	30.4	33.2
9	27.5	32.5	-	35.6	38.9	37.3	-	42
9.5	30.7	36.2	37.3	39.7	43.6	41.5	42.8	46.8
10	34.0	40.1	41.3	44.0	48.1	46.0	47.5	51.9
11	41.1	48.6	50.0	53.2	58.1	55.7	57.4	62.8
12	49.0	57.8	59.5	63.3	69.2	66.2	68.4	74.7
12.7	54.8	64.7	66.6	70.9	77.5	74.2	76.6	83.6
13	57.5	67.8	69.8	74.3	81.2	77.7	80.2	87.6
14	66.6	78.7	81.0	86.1	94.2	90.2	93.0	102
14.3	69.5	82.1	-	-	98.3	-	-	-
15	76.5	90.3	-	98.9	108	104	-	117
16	87.0	103	106	113	123	118	122	133
17.5	104	123	-	-	147	-	-	-
18	110	130	134	142	156	149	154	168
19	123	145	149	159	173	166	171	187
20	136	161	165	176	192	184	190	207
20.6	144	170	-	-	204	-	-	-
22	165	194	200	213	233	223	230	251

**BERSERTIFIKAT
INTERNASIONAL**

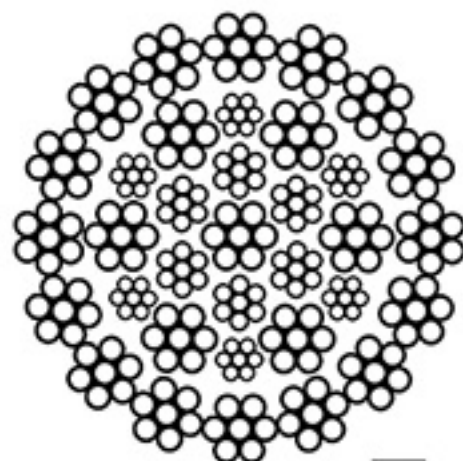


Construction of
**WIRE ROPE 19 x 7 + IWRC
Non Rotating**

**HEAVY DUTY
CHIEF INSPECTOR**



Nominal Diameter	Approx Weight		Nominal Tensile Strength					
			Minimum Breaking Strength (kN)					
	kg/100m		1570N/mm ²		1770N/mm ²		1960N/mm ²	
mm	FC	6x19x7	FC	6x19x7	FC	6x19x7	FC	6x19x7
6	14.0	15.5	17.5	18.5	19.8	20.9	21.9	23.1
7	19.1	21.1	23.8	25.2	26.9	28.4	29.8	31.5
8	25.0	27.5	31.1	33.0	35.1	37.2	38.9	41.1
9	31.6	34.8	39.4	41.7	44.4	47.0	49.2	52.1
10	39.0	43.0	48.7	51.5	54.9	58.1	60.8	64.3
11	47.2	52.0	58.9	62.3	66.4	70.2	73.5	77.8
12	56.2	61.9	70.1	74.2	79.0	83.6	87.5	92.6
13	65.9	72.7	82.3	87	92.7	98.1	103	109
14	76.4	84.3	95.4	101	108	114	119	126
16	99.8	110	125	132	140	149	156	165
18	126	139	158	167	178	188	197	208
20	156	172	195	206	219	232	243	257
22	189	208	236	249	266	281	294	311
24	225	248	280	297	316	334	350	370
26	264	291	329	348	371	392	411	435
28	306	337	382	404	430	455	478	504
30	351	387	438	463	494	523	547	579
32	399	440	498	527	562	594	622	658
34	451	497	563	595	634	671	702	743
36	505	557	631	667	711	752	787	833
38	563	621	703	744	792	838	877	928
40	624	688	779	824	878	929	972	1030
42	688	759	859	908	968	1020	1070	1130
44	755	832	942	997	1060	1120	1180	1240

**BERSERTIFIKAT
INTERNASIONAL**

Construction of
WIRE ROPE 35 x K7 + WSC

**HEAVY DUTY****CHIEF INSPECTOR**

Nominal Diameter	Approx Weight	Nominal Tensile Strength	
		Minimum Breaking Strength (kN)	
mm	kg/100m	1960N/mm ²	
	IWR/IWS	IWR/IWS	
12	73,4	108	
14	100	158	
16	131	206	
18	165	260	
20	204	321	
22	247	389	
24	294	463	
26	345	543	
28	400	630	
30	459	720	
32	522	820	
34	590	930	
36	661	1040	
38	736	1160	
40	816	1290	
42	900	1420	
44	816	1560	
46	1080	1700	
48	1180	1850	
50	1280	2010	

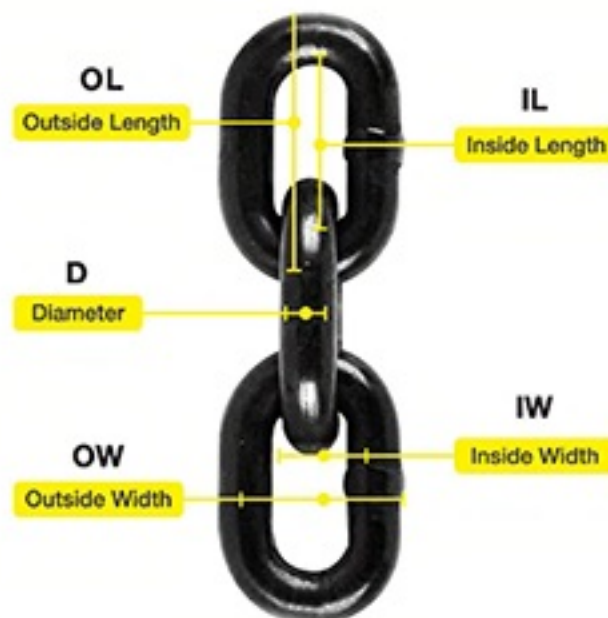
POWERTEC®

HEAVY DUTY LIFTING

CHAIN

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

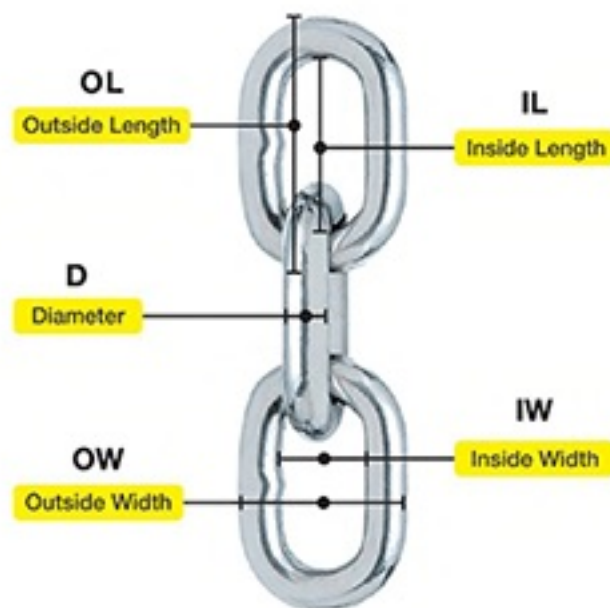
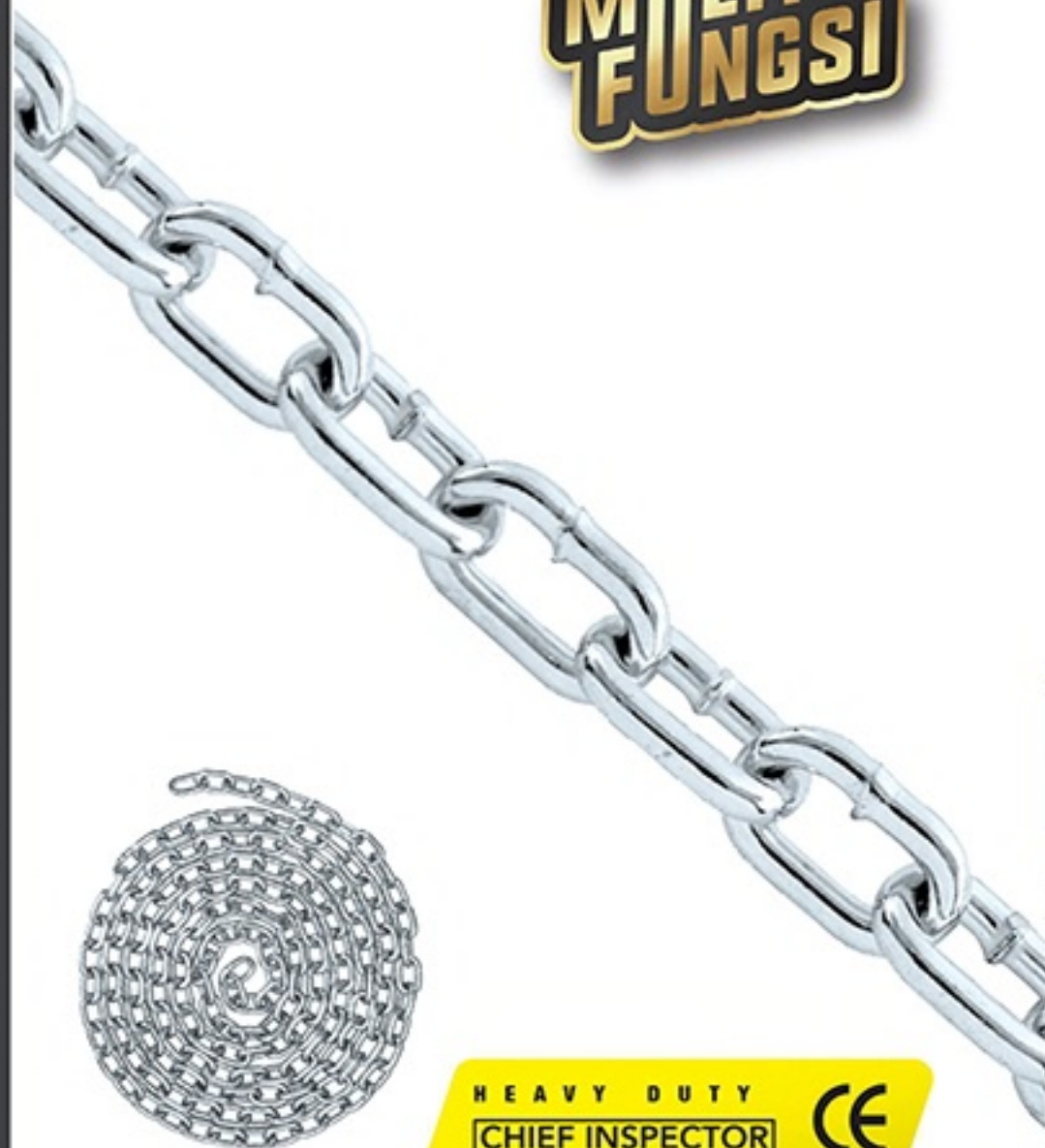
CHIEF INSPECTOR



SIZE	DIAMETER (D)	INSIDE WIDTH (IW)	INSIDE LENGTH (IL)	OUTSIDE WIDTH (OW)	OUTSIDE LENGTH (OL)	WLL	TEST LOAD	MIN BREAKING LOAD	WEIGHT
mm	mm	min, mm	mm	max, mm	mm	TON	KN	KN	kg/m
5 x 15	5	6	15	17	25	0.8	19.6	31.4	0.54
6 x 18	6	7.2	18	20.4	30	1.1	28.3	45.2	0.8
6.3 x 19	6.3	7.2	19	20.4	31.6	1.2	31.2	49.9	0.8
7.1 x 21	7.1	8.4	21	23.8	35.2	1.6	39.6	63.3	1.1
8 x 24	8	9.6	24	27.2	40	2	50.3	80.4	1.4
9 x 27	9	10.8	27	30.6	45	2.5	63.3	102	1.8
10 x 30	10	12	30	34	50	3.2	78.5	126	2.2
11.2 x 34	11.2	13.2	34	37.4	56.4	4	98.5	158	2.7
13 x 39	13	15.6	39	44.2	65	5.3	133	212	3.7
16 x 48	16	19.2	48	54.4	80	8	201	322	5.6
18 x 54	18	21.6	54	61.2	90	10	254	407	7
20 x 60	20	24	60	68	100	12.5	314	503	8.7
22 x 66	22	26.4	66	74.8	110	15	380	608	10.5
26 x 78	26	33.8	78	96.2	130	21.2	531	849	15.2

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

MULTI FUNGSI



HEAVY DUTY

CHIEF INSPECTOR



SIZE		DIAMETER (D)	OUTSIDE LENGTH (OL)	OUTSIDE WIDTH (OW)	INSIDE LENGTH (IL)	INSIDE WIDTH (IW)	WLL
mm	inch	mm	mm	mm	mm	mm	kg
3	1/8	3,5	29,2	14,15	22,1	7	200
5	3/16	5	36,5	19,9	16,2	9,2	400
6	1/4	6,2	41	21,8	28,2	9,4	750
8	5/16	7,5	48	30	32,7	14	1200
10	3/8	9	59	34	40	16,5	1700
12	1/2	12,5	72,1	43,3	46,5	17,3	3000
16	5/8	15,2	94,4	58	63,3	28	4700
18	3/4	18,8	122	69,4	83,1	35	6800
22	7/8	21,5	124	78,5	81,5	35	9500
24	1	23,8	152	92	104	41,5	12150

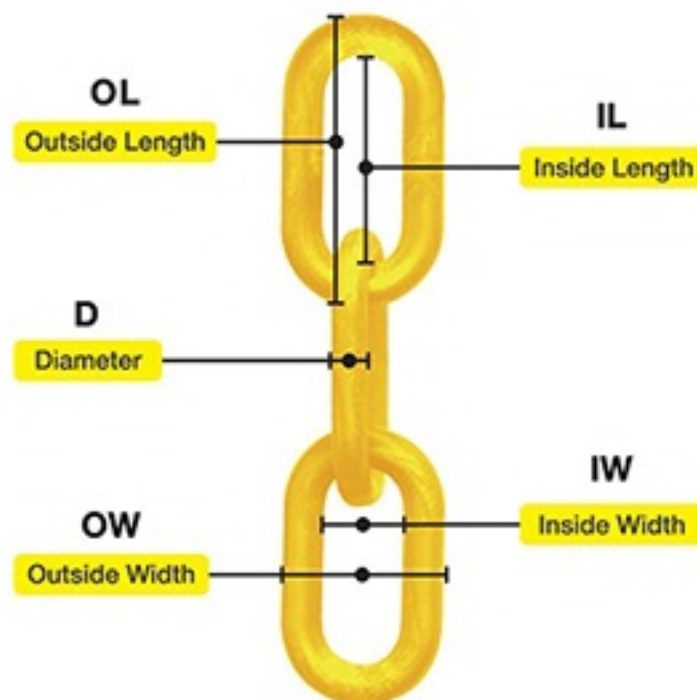
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**UV-Protection
WEATHER-Proof**

AVAILABLE IN 3 COLOUR
(Yellow, Red & White)

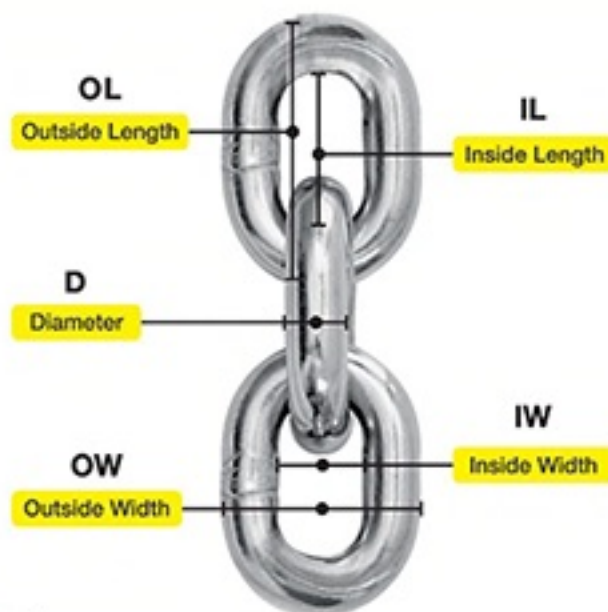


HEAVY DUTY
CHIEF INSPECTOR



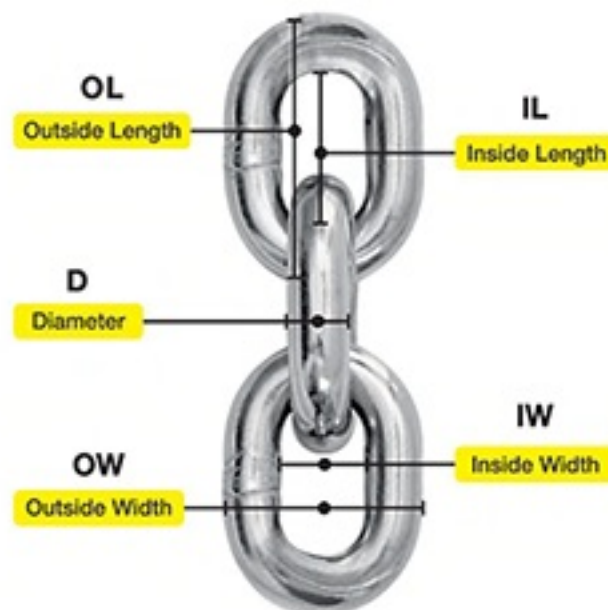
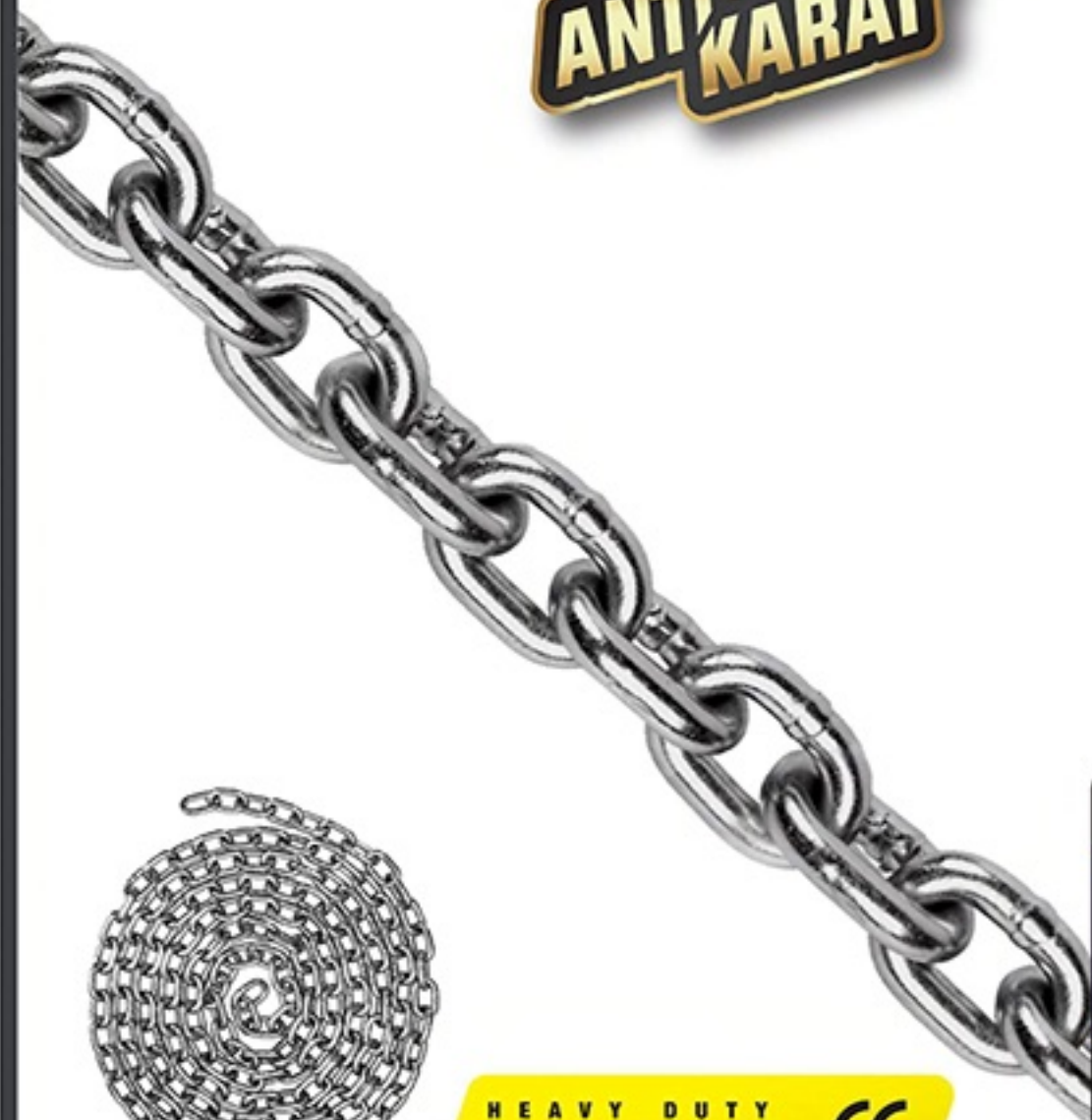
SIZE		DIAMETER	OUTSIDE LENGTH	OUTSIDE WIDTH	INSIDE LENGTH	INSIDE WIDTH
		(D)	(OL)	(OW)	(IL)	(IW)
mm	inch	mm	mm	mm	mm	mm
4	1/8	3,72	34,24	15,67	26,46	7,78
5	3/16	4,92	38,77	21,65	27,68	11,02
6	1/4	5	37,11	19,77	26,69	6,86
8	5/16	7,37	50,42	25,53	37,94	9,25
10	3/8	9,62	75,1	38,75	56,18	20,1
12	1/2	11,37	86,65	19,3	62,65	19,6

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

ANTI KARAT

SS 304

SIZE		DIAMETER (D)	OUTSIDE LENGTH (OL)	OUTSIDE WIDTH (OW)	INSIDE LENGTH (IL)	INSIDE WIDTH (IW)
mm	inch	mm	mm	mm	mm	mm
3	3/32	2,93	29,47	11,41	22,85	5
4	1/8	3,93	34,67	14,32	26,26	5,63
5	3/16	4,94	35,49	17,48	26,14	6,84
6	1/4	5,95	47,59	23,57	35,22	10,74
8	5/16	7,86	55,6	27,89	38,95	11,16
10	3/8	9,76	62,43	33,98	41,91	15
12	1/2	11,75	71,31	42,6	47,17	18,6
16	5/8	15,6	86,5	52,71	54,7	21,36
20	3/4	18,8	115	70	77,6	32,4

HEAVY DUTY
CHIEF INSPECTOR


ANTI KARAT

SS 316

SIZE		DIAMETER	OUTSIDE LENGTH	OUTSIDE WIDTH	INSIDE LENGTH	INSIDE WIDTH
		(D)	(OL)	(OW)	(IL)	(IW)
mm	inch	mm	mm	mm	mm	mm
6	1/4	5,73	53,67	24,27	41,82	11,68
8	5/16	7,7	67,5	32,16	51,7	15,34
12	1/2	11,85	101,74	48,34	77,6	23,75
16	5/8	15,96	109,32	54,36	77,5	21,8

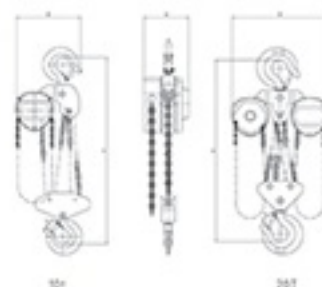
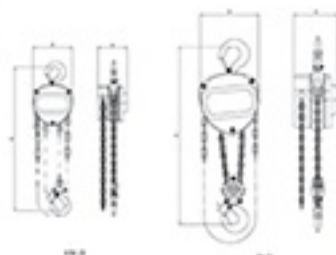
HEAVY DUTY
CHIEF INSPECTOR


POWERTEC®

HEAVY DUTY LIFTING

HOIST

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE



HEAVY DUTY
CHIEF INSPECTOR



▲ All structural parts made of high quality steel.

▲ Alloy steel hooks.

▲ Gear made of alloy steel.

▲ Strong nut.

▲ Hollow structure increases strength.

▲ Casting safety latches.

▲ All Major components are strictly heat treated.

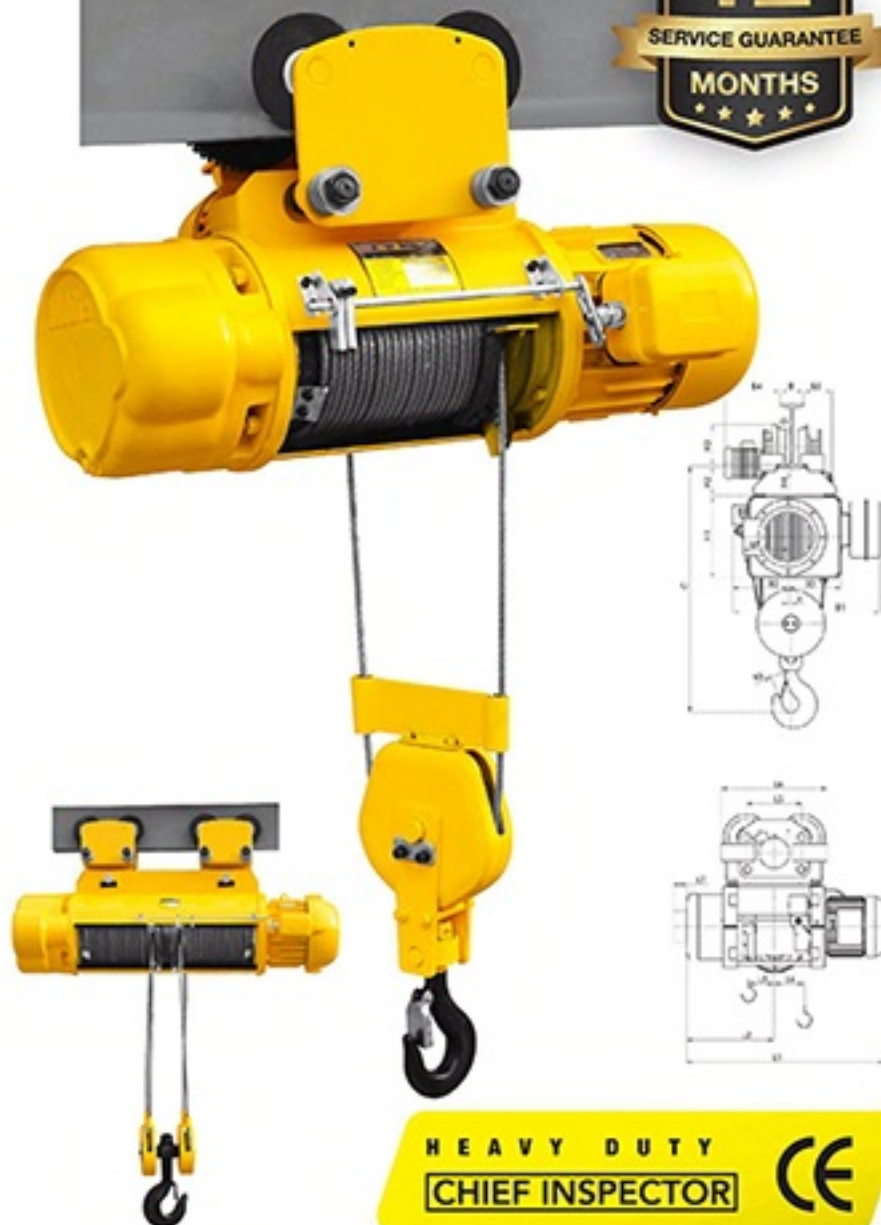
▲ Load chain made by GERMAN machine.

MODEL	HSZ-0.5	HSZ-1	HSZ-1.5	HSZ-2	HSZ-3	HSZ-5	HSZ-10	HSZ-15	HSZ-20
Capacity (T)	0.5	1	1.5	2	3	5	10	15	20
Standard Lift (M)	3	3	3	3	3	3	3	3	3
Running Test Load (T)	0.825	1.25	1.875	2.5	3.75	6.25	12.5	18.75	25
Force of full load (N)	221	304	343	410	343	414	414	621	4142
No. of links of load chain	1	1	1	1	2	2	4	6	8
Load chain diameter (mm)	6	6	8	8	8	10	10	10	10
Dimension	A	125	147	183	183	183	215	340.5	420
	B	111	126	141	141	141	163	163	172
	C	270	317	398	398	405	626	798	890
	D	36	40	45	50	58	64	85	100

12

SERVICE GUARANTEE

MONTHS



HEAVY DUTY

CHIEF INSPECTOR



▲ Model CD - 1 Type Single Speed Hoist with Trolley

▲ With a compact, light weight, small size and easy to use, and other characteristics, it can be installed on a separate overhead I-Beam, can also be installed in matching electric single - girder, double beam, cantilever, such as gantry cranes for use.

* Warna Produk tergantung ketersediaan

MODEL		CD-1									
		1		2		3		5		7.5	
Lifting Capacity(t)		6		12		18		27		36	
Lifting Height(m)		6		12		18		27		36	
Lifting Speed(m/min)		8		8		8		8		8	
Running Speed(m/min)		20		20		20		20		20	
Wire rope	Nominal Diameter(mm)	7.2		10		13		15		18	
	Structure	6 x 37 + NP		6 x 37 + NP		6 x 37 + NP		6 x 37 + NP		6 x 37 + NP	
	Extension Ratio(Mpa)	1670		1670		1670		1770		1770	
I Beam Track Type		86-124		100-154		106-154		122-186		122-186	
Lift Track Minimum Radius(m)		1.5		2		2.5		2.5		3	
Lifting Motor	Model	20V, 31.4		20V, 31.4		20V, 14.4		20V, 45.4		20V, 45.4	
	Capacity(Kw)	205, 0.315		205, 0.43.0		205, 0.44.5		205, 0.87.5		205, 0.87.5	
	ALP(Min/m)	1300		1300		1300		1300		1300	
	Phase	3		3		3		3		3	
	Voltage(V)	380		380		380		380		380	
	Current(A)	4.3		7.6		11		16		16	
Running Motor	Frequency(Hz)	50		50		50		50		50	
	Model	20V, 11.4		20V, 11.4		20V, 11.4		20V, 12.47		20V, 12.47	
	Capacity(Kw)	0.2		0.4		0.6		0.8		0.8	
	ALP(Min/m)	1300		1300		1300		1300		1300	
	Phase	3		3		3		3		3	
	Voltage(V)	380		380		380		380		380	
Lift Time(s)	Current(A)	0.72		0.72		0.72		1.8		1.8	
	Frequency(Hz)	50		50		50		50		50	
	Current(A)	120		120		120		120		120	
Classification Grade		M3 / 20% EO		M3 / 20% EO		M3 / 20% EO		M3 / 20% EO		M3 / 20% EO	
Packaging Measurement(mm)		86*1754		100*1754		106*1754		122*1754		122*1754	
Gross Weight(kg)		145		195		215		275		275	
Net Weight(kg)		135		185		205		265		265	

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



HEAVY DUTY

CHIEF INSPECTOR



- ▲ Hooks are designed to bend slowly to warn of overload.
- ▲ Simple load chain guide system (horizontal operation o.k.).
- ▲ Easy-to-use free-wheeling feature eliminates the need to use lever to take up slack or position the hook.
- ▲ Simple design makes routine inspection or maintenance fast and easy.
- ▲ Fully enclosed brake system.
- ▲ High impact gear case & break cover.
- ▲ Non-absestos brake disc.
- ▲ Superior rubber grip.
- ▲ Every lever hoist is operationally tested to 150% of the rated capacity and issued an individual test certificate.
- ▲ Minimum breaking loads is 4 times of rated capacity.

MODEL	HSHZ-0.75	HSHZ-1	HSHZ-1.5	HSHZ-2	HSHZ-3	HSHZ-4
Capacity (T)	0,75	1	1,5	2	3	6
Standard Lift (M)	1,5	1,5	1,5	1,5	1,5	1,5
Running Test Load (T)	0,937	1,25	1,875	2,5	3,75	7,5
Force of full load (N)	325	325	380	380	480	480
Load chain diameter (mm)	6	6	8	8	10	10
Net Weight (Kg)	6,5	7	11,3	11,3	18,5	27,5
Packing (L*W*H) cm	36*15*14,5	36*15*14,5	52*19,5*15	52*19,5*15	52*20*21	52*20*21

POWERTEC®

HEAVY DUTY LIFTING

LOAD RESTRAIN

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE



Load Binder Lever Type



Load Binder Ratchet Type

**NOT FOR LIFTING!
ONLY FOR LASHING!**

HEAVY DUTY

CHIEF INSPECTOR

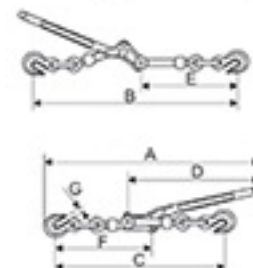


LOAD BINDER

LEVER TYPE

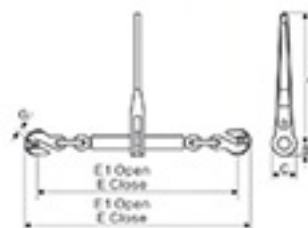
Chain Size (in)	W.L.L. (lbs)	Proof Load (lbs)	Min. Ultimate Load (lbs)	Weight (lbs)	Handle Length (in)
1/4-5/16	2600	5200	7800	3.52	11.42
5/16-3/8	5400	10800	19000	8.37	15.43
3/8-1/2	9200	18400	28000	12.11	17.24
1/2-5/8	11000	22000	44000	19.7	21.00

Dimension (in)						
A	B	C	E	E1	F	G
18.5	17.3	14.17	11.42	8.27	8.07	0.35
25.2	23.2	19.49	15.55	11.22	11.22	0.51
28.5	26.38	22.05	17.64	12.99	12.20	0.59
33.86	30.12	25.78	20.87	14.37	14.37	0.74



RATCHET TYPE

Chain Size (in)	W.L.L. (lbs)	Proof Load (lbs)	Min. Ultimate Load (lbs)	Weight (lbs)	Handle Length (in)
1/4-5/16	2600	5200	7800	3.52	7.16
5/16-3/8	5400	10800	19000	10.50	13.42
3/8-1/2	9200	18400	33000	12.90	13.92
1/2-5/8	13000	26000	46000	14.38	13.92



Dimension (in)							
A	B	C	E	E1	F	F1	G
7.16	0.89	1.77	16.22	21.26	17.79	22.83	0.35
13.92	1.30	2.60	22.64	30.64	25.24	33.24	0.51
13.92	1.30	2.60	24.13	32.13	27.04	35.04	0.59
13.92	1.30	2.60	26.45	34.45	30.07	38.07	0.74

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

COLOR OPTION



POLYESTER
MULTIFILAMENT
& STEEL
MATERIAL

**BERSERTIFIKAT
INTERNASIONAL**



NEW LOOK!

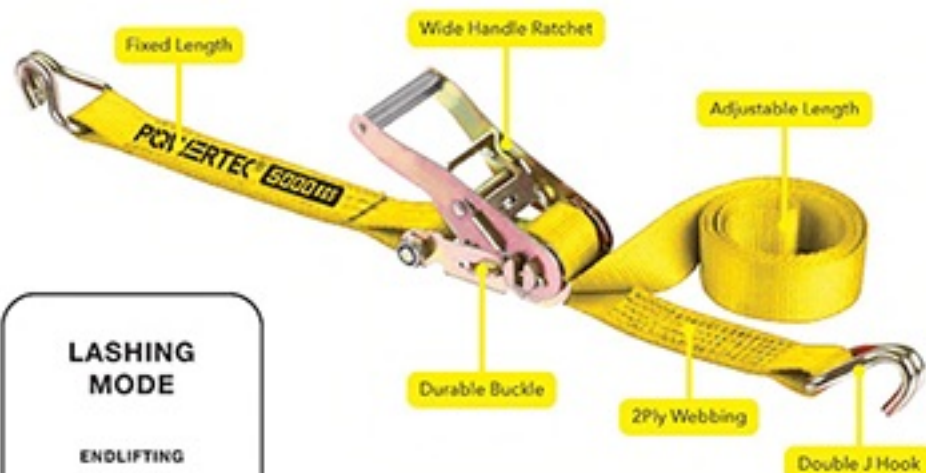
**SPAREPARTS
AVAILABLE**

**NOT FOR LIFTING!
ONLY FOR LASHING!**

**HEAVY DUTY
CHIEF INSPECTOR**



▲ Polyester Multifilament Ratchet Tie Down & Steel Lashing are specially manufacture to POWERTEC spesification and in accordance to EN 12195/2.



LASHING MODE

ENDLIFTING



ENDLESS



0.8 Ton - Handle Ratchet

5 Ton - Handle Ratchet



MODEL (inch)	WIDTH (mm)	LENGTH (m)	TENSION STRENGTH (kg)	BREAKING LOAD (kg)	SAFETY FACTOR
1	25	5	400	800	2:1
2	50	5	2500	5000	2:1
2	50	8	2500	5000	2:1
2	50	10	2500	5000	2:2
2	50	12	2500	5000	2:3
2	50	15	2500	5000	2:4

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

POWERTEC®

HEAVY DUTY LIFTING

RIGGING HARDWARE

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE

**BERSERTIFIKAT
INTERNASIONAL**

CARABINER GALVANIZED

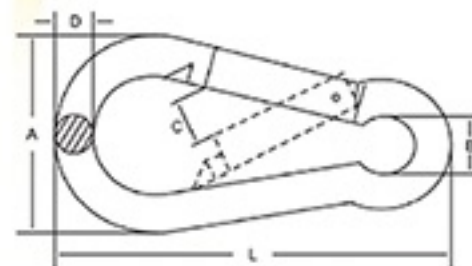


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi untuk pengait juga
penghubung antara ikatan 1
dengan ikatan lainnya.



Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4X40	20	7	7	4	40	200	6
5X50	25	8	7	5	50	220	16
6X60	30	9	8	6	60	260	28
7X70	35	10	8	7	70	400	45
8X80	40	12	9	8	80	500	63
9X90	45	12	10	9	90	550	90
10X100	50	16	11	10	100	770	125
11X120	57	18	16	11	120	990	192
12X140	67	20	19	12	140	1200	250
13X160	74	22	25	13	160	1400	350
14X180	86	22	35	14	180	1600	455
15X200	90	26	37	15	200	1800	618

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

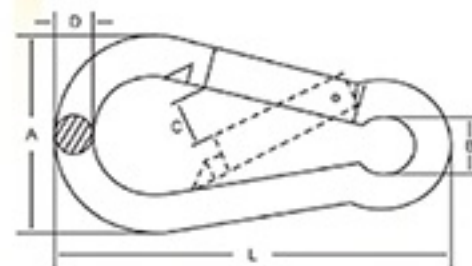
CHIEF INSPECTOR



CARABINER NUT GALVANIZED



Berfungsi untuk pengait juga
penghubung antara ikatan 1
dengan ikatan lainnya.



Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4X40	20	7	7	3.7	40	200	8
5X50	25	8	7	4.7	50	220	14
6X60	30	9	8	5.5	60	260	25
7X70	35	10	8	6.2	70	400	37
8X80	40	12	9	7.0	80	500	51
9X90	45	12	10	8.1	90	550	78
10X100	50	16	11	8.8	100	770	98
11X120	57	18	16	9.7	120	990	147
12X140	67	20	19	10.6	140	1200	202
13X160	74	22	25	12.2	160	1400	314
14X180	86	22	35	13.5	180	1600	433
15X200	90	26	37	14.1	200	1800	554

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

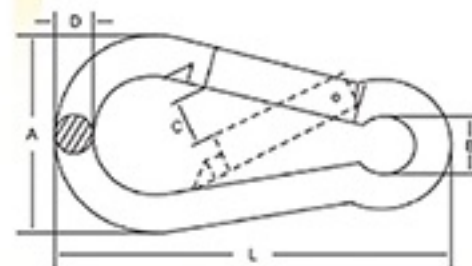
CHIEF INSPECTOR



CARABINER SS 304



Berfungsi untuk pengait juga
penghubung antara ikatan 1
dengan ikatan lainnya.



Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L		
4X40	20	7	7	4	40	80	8.2
5X50	25	8	7	5	50	100	18.3
6X60	30	9	8	6	60	140	28.4
7X70	35	10	8	7	70	200	45.7
8X80	40	12	9	8	80	250	71.1
9X90	45	12	10	9	90	280	91.4
10X100	50	16	11	10	100	400	146.2
11X120	57	18	16	11	120	500	194.5
12X140	67	20	19	12	140	600	274
13X160	74	22	25	13	160	700	362
14X180	86	29	35	14	180	900	500

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

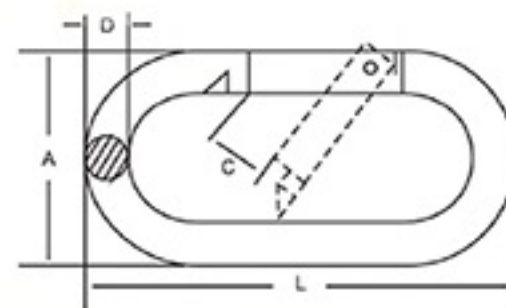


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi untuk pengait juga
penghubung antara ikatan 1
dengan ikatan lainnya.



Size (mm)	W.L.L (Kg)	Dimension (mm)				N.W (g/pc)
A	C	D	L			
8	113	41	26	8	78	76
10	181	50	31	10	100	153
11	226	57.5	38	10.5	120	204

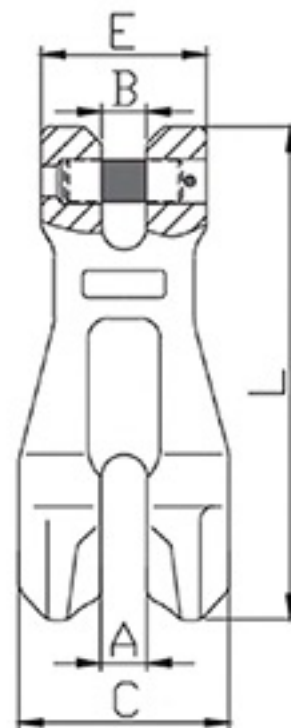
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Berfungsi untuk memangkas panjang rantai dengan cara menekuk dan mengaitkannya tanpa harus memotong.

Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			A	B	C	E	L	
6-8	1.12	4.48	7.5	7.5	33	26	73.5	0.17
7/8-8	2	8.0	9.5	9.5	45	36	101	0.41
10-8	3.15	12.6	13	13	55	48	138	0.97
13-8	5.3	21.2	18	16	75	59	177	2.01
16-8	8	32	21	21	93	73	220	3.32
18/20-8	12.5	50	22	22	99	78	238	6.2
22-8	15	60	25.5	25.5	118	98	295	8.5

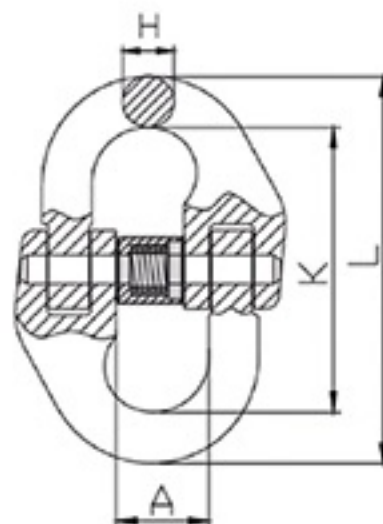
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai penghubung atau penyambung mata rantai dengan hook, master link, hook dan rigging hardware lainnya.

Size	W.L.L (t)	B.L (t)	Dimension (mm)				N.W. (kg/pc)
			A	L	K	H	
6-8	1.12	4.48	15	58	42	7.0	0.08
7-8	1.5	6	19	71.8	54.8	8.5	0.145
7/8-8	2	8	18	79.5	62.5	8.5	0.146
8-8	2	8	18	79.5	60.5	8.5	0.16
10-8	3.15	12.6	25	93	68	10.8	0.30
13-8	5.3	21.2	29	117	87	15	0.70
16-8	8	32	34.5	148	108.4	19.8	1.1
18-8	10	40	38	154	112	21	1.84
18/20-8	12.5	50	41	169.5	121.5	24	1.8
22-8	15	60	48	193.5	141.5	26	3.2
26-8	21.2	84.8	57.5	220	158	30	4.5
32-8	31.5	126	67	281	205	37	9

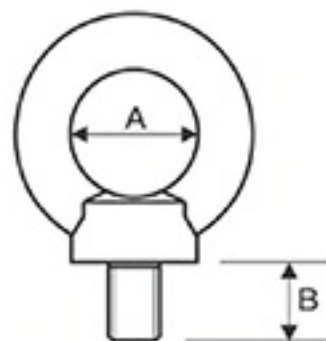
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai mata pengait
berbentuk U seperti mur untuk
ditanamkan pada permukaan
objek yang akan diangkat.

Size (mm)	W.L.L (t)	Dimension (mm)		N.W. (kg/pc)
		A	B	
M6	0.07	16	13	0.05
M8	0.14	20	15	0.06
M10	0.23	25	18	0.11
M12	0.34	30	22	0.18
M14	0.49	35	28	0.27
M16	0.7	35	28	0.28
M18	0.93	35	28	0.30
M20	1.2	40	30	0.45
M22	1.5	45	35	0.67
M24	1.8	50	38	0.87
M27	2.5	50	38	0.88
M30	3.6	60	45	0.66
M33	4.3	60	45	1.72
M36	5.1	70	55	2.65
M39	5.1	70	55	2.8
M42	7	80	65	4.03
M45	8	80	65	4.25
M48	8.6	90	70	6.38
M52	9.9	90	70	6.6
M56	11.5	100	80	8.8

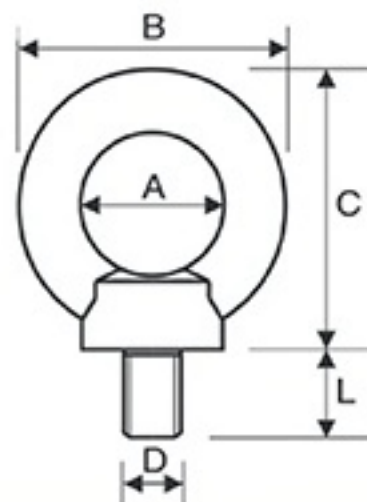
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



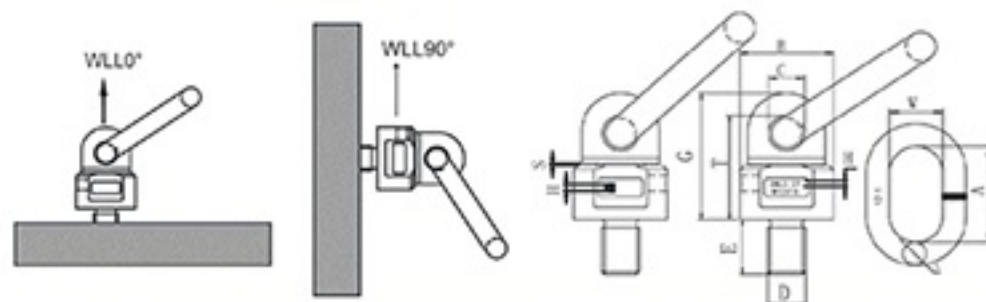
HEAVY DUTY

CHIEF INSPECTOR



Size (mm)	Dimension (mm)					W.L.L (lbs)	N.W. (kg/pc)
	D	A	B	C	L		
M6	5.6	16	27	28	13	70	0.03
M8	8	20	36	36	13	140	0.06
M10	10	25	45	45	17	230	0.11
M12	12	30	54	53	20	340	0.18
M16	16	35	63	62	27	700	0.28
M20	20	40	72	71	30	1200	0.45
M24	24	50	90	90	36	1800	0.87
M30	30	60	108	109	45	3600	1.66

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



Size	W.L.L (°)	W	DxR	R	G	G	F	A	W	N	M	S	N.W. (kg/pc)
M8	0.5	0.6	M8x13	40	16.5	51	41	55	30	14	3	1	0.41
M10	0.45	0.9	M10x15	40	16.5	51	41	55	30	14	3	1	0.43
M10x90	0.45	1.0	M10x90	40	16.5	51	41	55	30	14	3	1	0.38
M12	0.6	1.0	M12x18	40	16.5	51	41	55	30	14	3	1	0.44
M12x40	0.6	1.0	M12x40	40	16.5	51	41	55	30	14	3	1	0.52
M12x45	0.6	1.0	M12x45	40	16.5	51	41	55	30	14	3	1	0.47
M12x110	0.6	1.0	M12x110	40	16.5	51	41	55	30	14	3	1	0.53
M14	1.12	2.0	M14x20	40	16.5	51	41	55	30	14	3	1	0.45
M16	1.3	2.0	M16x30	40	16.5	52	42	55	30	14	3	1	0.46
M16x40	1.3	2.0	M16x40	40	16.5	52	42	55	30	14	3	1	0.48
M16x100	1.3	2.0	M16x100	40	16.5	52	42	55	30	14	3	1	0.54
M16x120	1.3	2.0	M16x120	40	16.5	52	42	55	30	14	3.5	1	0.6
M20	2	4	M20x30	60	18	66	56	70	35	16	3.5	1	0.96
M20x120	2	4	M20x120	60	18	66	56	70	35	16	3.5	1	1.17
M24	3.5	6.3	M24x30	70	22	78	65.5	85	40	18	3.5	1.5	1.49
M24x30	3.5	6.3	M24x30	70	22	78	65.5	85	40	18	3.5	1.5	1.42
M24x90	3.5	6.3	M24x90	70	22	78	65.5	85	40	18	3.5	1.5	1.66
M24x120	3.5	6.3	M24x120	70	22	78	65.5	85	40	18	3.5	1.5	1.74
M27	3.5	6.3	M27x30	70	22	78	65.5	85	40	20	3.5	1.5	1.47
M30(85)	6	10.6	M30x30	80	23.5	96.5	80.5	85	40	20	4	1.5	2.17
M30x90	6	10.6	M30x90	80	23.5	96.5	80.5	85	40	20	4	1.5	2.18
M30x120	6	10.6	M30x120	80	23.5	96.5	80.5	85	40	20	4	1.5	2.65
M30(85)	8	11.8	M30x30	80	26	112	92	115	50	22	6	2	3.57
M30x90	8	11.8	M30x90	80	26	112	92	115	50	22	6	2	3.58
M30x120	8	11.8	M30x120	80	26	112	92	115	50	22	6	2	4.01
M36x54	8	11.8	M36x54	80	27	109	89.5	115	50	22	6	2	4.17
M36x100	8	11.8	M36x100	80	27	109	89.5	115	50	22	6	2	6.41
M36	8	11.8	M36x58	80	27	109	89.5	115	50	22	6	2	3.65
M36x90	8	11.8	M36x90	80	27	109	89.5	115	50	22	6	2	3.71
M42	12	15	M42x50	90	27	109	89.5	115	50	25	6	2.5	2.42
M42x60	12	15	M42x60	90	27	109	89.5	115	50	25	6	2.5	6.12
M42x120	12	15	M42x120	90	27	109	89.5	115	50	25	6	2.5	4.46
M42x180	12	15	M42x180	90	27	109	89.5	115	50	25	6	2.5	5.0
M48x88	12	15	M48x88	90	27	109	89.5	115	50	25	6	2.5	4.17
M48	13	15	M48x98	90	27	109	89.5	115	50	25	6	2.5	4.02
M48x110	13	15	M48x110	90	27	109	89.5	115	50	25	6	2.5	4.8
M54x84	15	25	M54x84	117	42	310	280	150	70	30	7	2.5	11.6
M54x90	15	25	M54x90	117	42	310	280	150	70	30	7	2.5	12.4

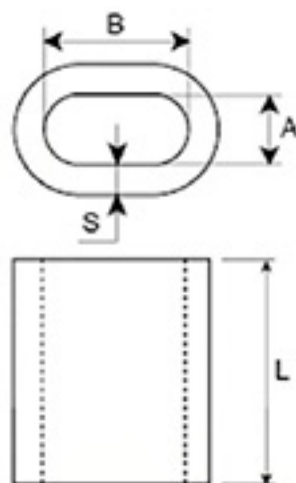
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

HEAVY DUTY
CHIEF INSPECTOR



Baja tempa dari keseluruhan
dasar cincin hingga sekrup,
permukaan bawah dan ulir
lulus uji inspeksi, bearing
(bantalan roda baja) yang
kuat dan anti macet.

**BERSERTIFIKAT
INTERNASIONAL**



Berfungsi sebagai pengunci khusus yang disebut terminasi untuk menyatukan wire rope dengan cara dijepit/press.

**HEAVY DUTY
CHIEF INSPECTOR**



FERRULE CODE	A (mm)	B (mm)	S (mm)	L (mm)	WEIGHT Kgs/1000Pcs
1	1.2	2.4	0.65	5	0.098
1.5	1.7	3.4	0.75	6	0.176
2	2.2	4.4	0.85	7	0.285
2.5	2.7	5.4	1.05	9	0.439
3	3.3	6.6	1.25	11	0.907
3.5	3.8	7.6	1.5	13	1.18
4	4.4	8.8	1.7	14	1.63
4.5	4.9	9.8	1.9	16	2.39
5	5.5	11.0	2.1	18	3.62
6	6.6	13.2	2.5	21	5.87
6.5	7.2	14.4	2.7	23	7.18
7	7.8	15.6	2.9	25	9.83
8	8.8	17.6	3.3	28	12.96
9	9.9	19.8	3.7	32	18.94
10	10.9	21.8	4.1	35	24.09
11	12.1	24.2	4.5	39	35.35
12	13.2	26.4	4.9	42	44.18
13	14.2	28.4	5.4	46	59.86
14	15.3	30.6	5.8	49	73.5
16	17.5	35.0	6.7	56	111
18	19.6	39.2	7.6	63	156
20	21.7	43.4	8.4	70	217
22	24.3	48.6	9.2	77	292
24	26.4	52.8	10.0	84	376
26	28.5	57.0	10.9	91	481
28	31.0	62.0	11.7	98	603
30	33.1	66.2	12.5	105	739
32	35.2	70.4	13.4	112	897
34	37.8	75.6	14.2	119	1077
36	39.8	79.6	15.0	126	1275
38	41.9	83.8	15.8	133	1503
40	44.0	88.0	16.6	140	1734
42	46.2	92.4	17.5	147	2024
44	48.4	96.8	18.3	154	2314
46	50.6	101.2	19.2	161	2662
48	52.8	105.6	20.0	168	3010
50	55.0	110.0	20.8	175	3412
52	57.2	114.4	21.6	182	3813
54	59.4	118.8	22.5	189	4293
56	61.6	123.2	23.3	196	4772
58	63.8	127.6	24.2	203	5326
60	66.0	132.0	25.0	210	5880

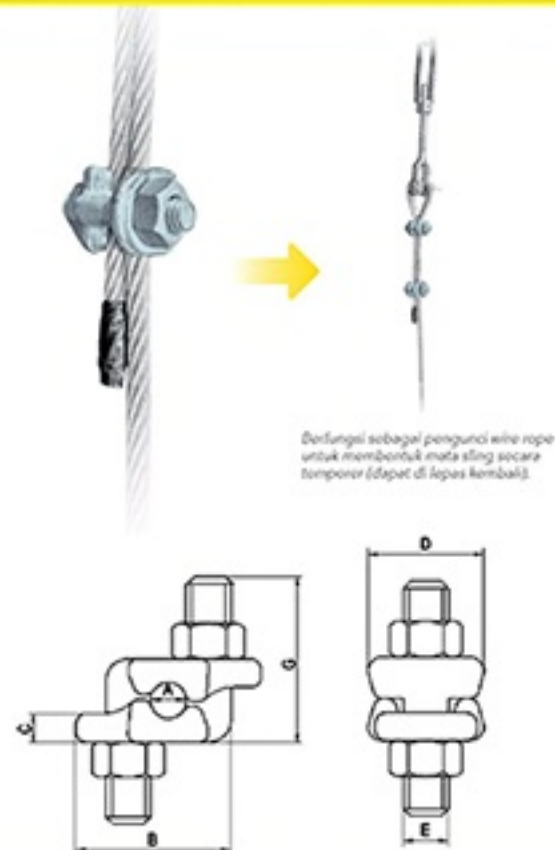
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Size (inch)	Dimension (mm)					
	A	B	C	D	E	G
3/16-1/4	8	32	6	24	3/8-16UNC	35
5/16	8	35	7	28	3/8-16UNC	40
3/8	11	41	7.5	28	7/16-14UNC	46
7/16-1/2	14	48	8.5	32	1/2-13UNC	56
9/16-5/8	17	58	9.5	38	5/8-11UNC	68.5
3/4	21	68	11	46	3/4-10UNC	85
7/8	24	75.5	12	54	3/4-10UNC	88
1	27	78	14	57	3/4-10UNC	98
1 1/8	30	88	15	60	7/8-9UNC	106
1 1/4	32	90	16	63.5	7/8-9UNC	110
1 3/8-1 1/2	38	105	18	76	7/8-9UNC	141

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

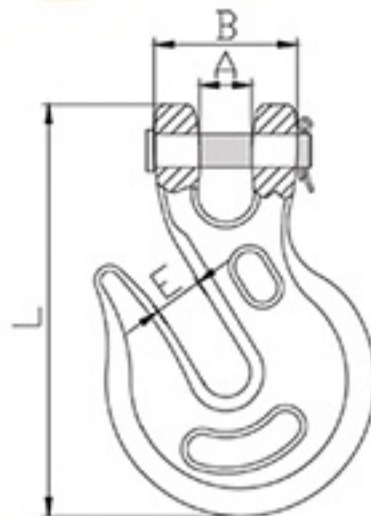


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (lbs)		Dimension (mm)				N.W. (kg/po)
	Carbon	Alloy	A	B	E	L	
1/4"	2600	3500	8.5	25	9.2	78.5	0.36
5/16"	3900	4700	10	30.5	11.2	93	0.62
3/8"	5400	7100	13	35	12.7	114.5	1.00
7/16"	7200	8750	17	42	14.5	126	1.5
1/2"	9200	12000	19	47	17	144	2.22
5/8"	13000	15800	23	56	20	177	4.41
3/4"	20200	24700	24	66.5	24	207.5	6.50

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

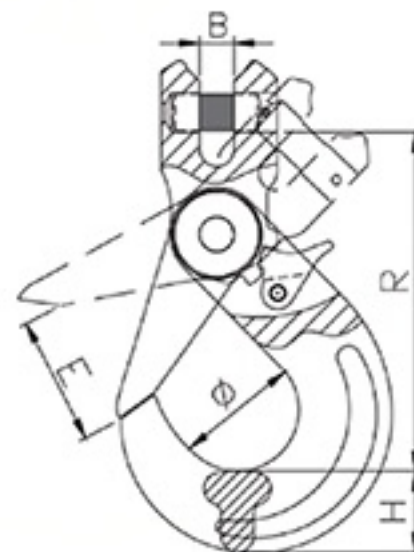


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			E	B	H	Φ	R	
6-8	1.12	4.48	29	8.5	19.5	34	95.5	0.5
7/8-8	2	8	34	9.5	24	46	121	0.8
10-8	3.15	12.8	44	12	28.5	56	146	1.5
13-8	5.3	21.2	52	15	40	69	182	2.8
16-8	8	32	60	18	50.5	86	218	5.6
20-8	12.5	50	83	25	55	100	240	7.5
22-8	15	60	88	25.5	67	98	276.5	11.5
26-8	21.2	84.8	95.5	30	75	110	310.5	18.5

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

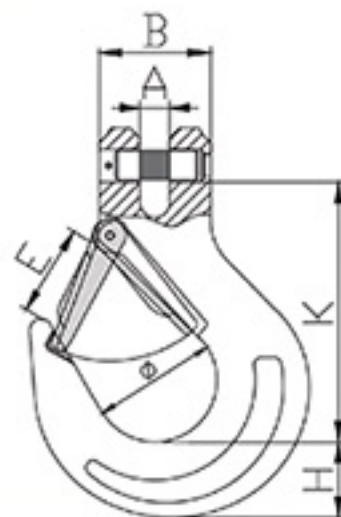
CHIEF INSPECTOR



CLEVIS SLING HOOK - LATCH



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (t)	B.L (t)	Dimension (mm)							N.W. (kg/pc)
			A	B	C	D	E	H	K	
6-8	1.12	4.48	8	32	35	23	76	26		0.32
7/8-8	2.0	8.0	9.5	37	37	32.5	85.5	29		0.52
10-8	3.15	12.8	13	49	46	35	104	39		1.05
13-8	5.3	21.2	16.5	56.5	56	42.5	128	47		2
16-8	8	32	221.5	70.5	60	54	150	55		3.7
20-8	12.5	50	24	77	79	58	180	61		6
22-8	15	60	27	91	101	62	213	72		10.4

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

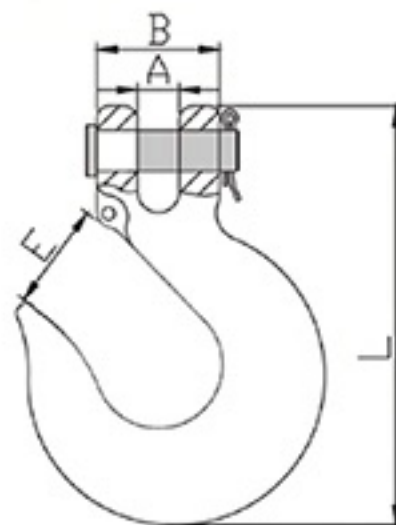


HEAVY DUTY

CHIEF INSPECTOR



CLEVIS SLIP HOOK



Size	W.L.L (lbs)		Dimension (mm)				N.W. (kg/pc)
	Carbon	Alloy	A	B	E	L	
1/4"	1950	2750	11	27	23.5	100	0.55
5/16"	2875	4300	12.5	33	26	114	0.82
3/8"	4000	5250	15	39	32	132.5	1.21
7/16"	5000	7000	17	44	40	147	2.09
1/2"	6500	9000	19	48	42.5	166	2.99
5/8"	9250	13500	18.5	58.7	51	200.5	4.85
3/4"	12500	19250	30.5	81	64.5	257	11.28

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

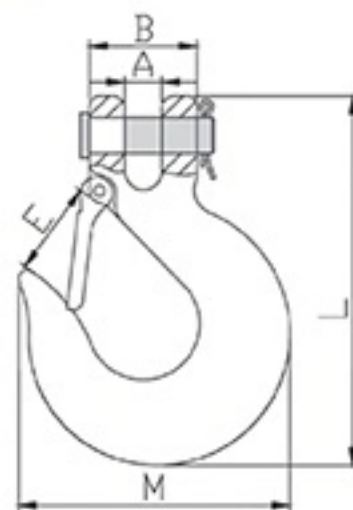


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (lbs)		Dimension (mm)					N.W. (kg/pc)
	Carbon	Alloy	A	B	L	M	E	
1/4	1950	2750	11.3	27	103.5	70.5	21.5	0.53
5/16	2875	4300	13	32	117	79	25.5	0.77
3/8	4000	5250	16	40	134	93.5	33.5	1.26
7/16	5000	7000	15	44	151.5	111	36	2.25
1/2	6500	9000	19	48	168	124.5	37.5	3.06
5/8	9250	13500	18.5	58.7	200.5	143	46.5	5.18
3/4	12500	19250	30	81	256	188	58	12.4

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



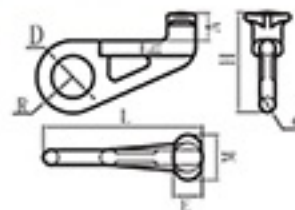
HEAVY DUTY

CHIEF INSPECTOR



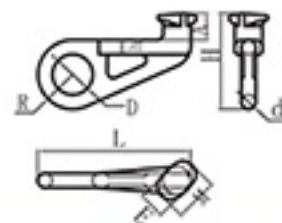
CONTAINER HOOK

Straight Type



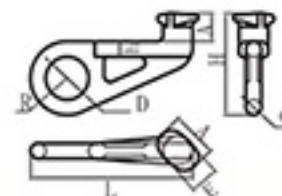
Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	M	H	h	E	R	D	d	L	
633-S	12.5	50	46	75	166	25	48	60	70	25	265	4

Left Type
45°



Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	M	H	h	E	R	D	d	L	
633-L	12.5	50	46	75	166	25	48	60	70	25	265	4

Right Type
45°



Size	W.L.L (t)	B.L (t)	Dimension (mm)									N.W. (kg/pc)
			A	M	H	h	E	R	D	d	L	
633-R	12.5	50	46	75	166	25	48	60	70	25	265	4

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

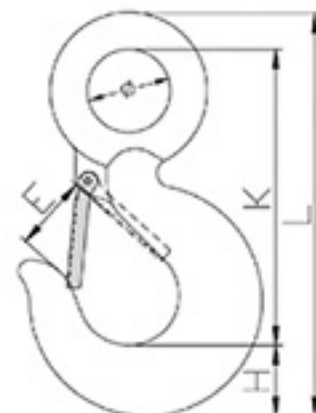


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Carbon		Alloy		Dimension (mm)					N.W. (kg/pc)
W.L.L (t)	B.L (t)	W.L.L (t)	B.L (t)	Φ	E	H	K	L	
0.5	2.5	0.75	3.75	16.5	19	17	72	97	0.21
0.75	3.75	1	5	19	22	19	82	110	0.28
1	5	1.5	7.5	23	23	21	93.5	125	0.4
1.5	7.5	2	10	28	24	26	103	140.5	0.65
2	10	3	15	31	27.5	28	119	162	0.95
3	15	5	25	39	33	37	146	201	1.95
5	25	7	35	51	40	46.5	186.5	256	3.77
7.5	37.5	11	55	62	51	57	231.5	317	6.8
10	50	15	75	73	57	67	261	360	9.8
15	75	22	110	89	75	76	318	434	16.25
20	100	30	150	90	82	91	360	495.5	27.2

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

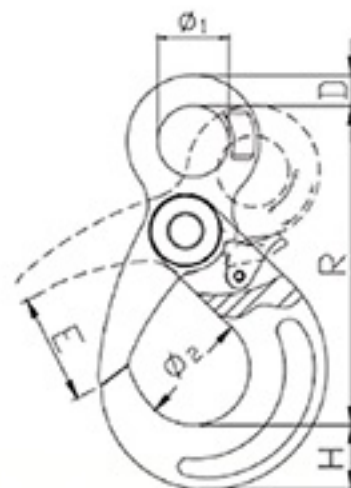


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			Ø1	R	D	Ø2	H	E	
6-8	1.12	4.48	22	110.5	10	34	19.5	28	0.5
7/8-8	2	8	25	136	12	46	24	34	0.8
10-8	3.15	12.6	32	171	15	56	28.5	44	1.55
13-8	5.3	21.2	40.5	208.5	19.5	69	40	52	3.2
16-8	8	32	56	257.5	22	86	50.5	60	5.74
20-8	12.5	50	64.5	275	27	100	55	81	8.5
22-8	15	60	70	320	30	98	67	82	13
26-8	21.2	84.8	80	363	334	110	75	110	18
32-8	31.5	126	105	472	45	166	97	168	44.5

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

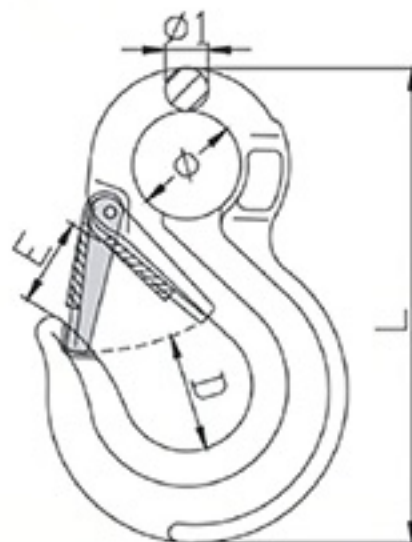


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			Ø 1	E	D	Ø	L	
6-8	1.12	4.48	9	24	21	20	108	0.3
7/8-8	2.0	8.0	11	30	26	25	130	0.4
10-8	3.15	12.6	15	34	39	38	167	0.9
13-8	5.3	21.2	19	39	54	43	213	1.7
16-8	8	32	23	46	64	50	255	3.2
20-8	12.5	50	24	40	80	62	305	5.8
22-8	15	60	32	71	80	62	348	8.5
26-8	21.2	84.8	35	81	82	64	394	13
32-8	31.5	126	37	102	112	68	460	17

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

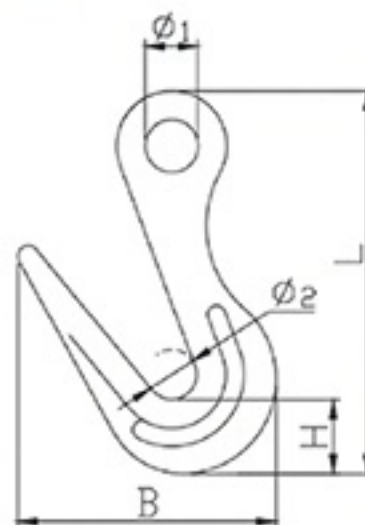


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (t)	B.L (t)	Dimension (mm)					N.W. (kg/pc)
			Ø1	B	Ø2	L	H	
2T	2	8	35	170	33	254	49	3.09

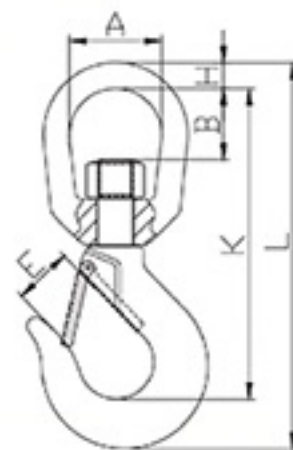
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Carbon W.L.L (t)	B.L (t)	Alloy W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
				A	E	B	H	K	L	
0.5	2.5	0.75	3.75	32	20	22.5	9	111	138	0.30
0.75	3.75	1	5	32	22	22.5	9	112	140	0.34
1	5	1.5	7.5	38	23	29.5	12	133.5	167	0.57
1.5	7.5	2	10	44	26	33	15.8	150.5	192	1.02
2	10	3	15	44	28	33	15.8	163	208	1.24
3	15	5	25	50	35	39	18	190	242	2.25
5	25	7	35	64	43	53	25	248.5	318	4.66
7.5	37.5	11	55	70	55	53	28.5	282	369	7.40
10	50	15	75	79	61	58	32	332	431	10.6
15	75	22	110	105	81	114	40	431	547	21.4
20	100	30	150	105	82.5	105	40	472	603	32.0

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

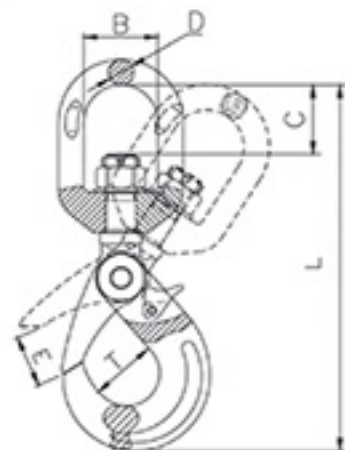


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengait maupun penarik beban yang biasanya memiliki pengunci atau kait pengaman beban.



Size	W.L.L (t)	B.L (t)	Dimension (mm)						N.W. (kg/pc)
			B	C	D	L	T	E	
6-8	1.12	4.48	32.5	22	11.25	170	34	29	0.71
7/8-8	2	8	35.5	26	12.5	210	46	34	1.1
10-8	3.15	12.6	42	34	15	247	56	44	2.0
13-8	5.3	21.2	50	38.5	16	302	69	52	4.0
16-8	8	32	61	55	21.5	383	86	60	7.3
20-8	12.5	50	72	61	26	418	100	83	11.6
22-8	15	60	95	95	33	527	98	88	16.0
26-8	21.2	84.8	122	115	42	610	110	95.5	21.5
32-8	31.5	126	140	146	52	777	166	150	79

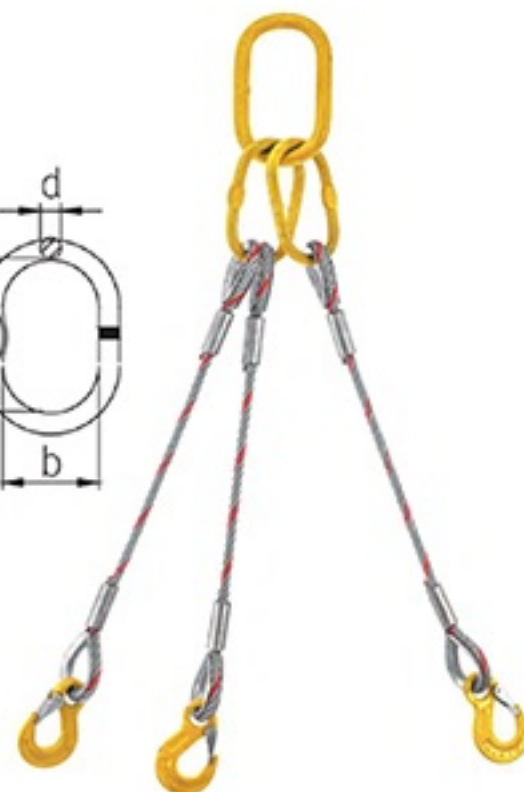
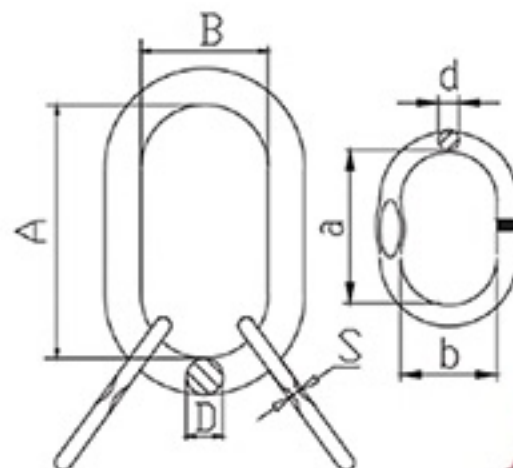
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



SIZE	WLL	A	B	D	a	b	d	s	WEIGHT
inch	ton	mm	mm	mm	mm	mm	mm	mm	kg
3/4	4,7	135	69	20	83,5	40	9	15	1
7/8	6,4	160	92	22,6	83,4	40,9	13,8	14,7	2,2
1	11	180	90	25,5	95	60	23	24	4
1 1/4	16	230	115	34	110	60	25	27	7
1 1/2	21,7	265	135	38	180	100	29	30	13
1 3/4	28,4	300	150	46	150	65	32	33	18
2	35	350	190	50	180	95	33	-	23
2 1/4	45	410	205	58	180	100	45	50	38
2 1/2	50	410	205	63	360	185	50	-	63
2 3/4	63	400	240	72	410	210	55	-	85

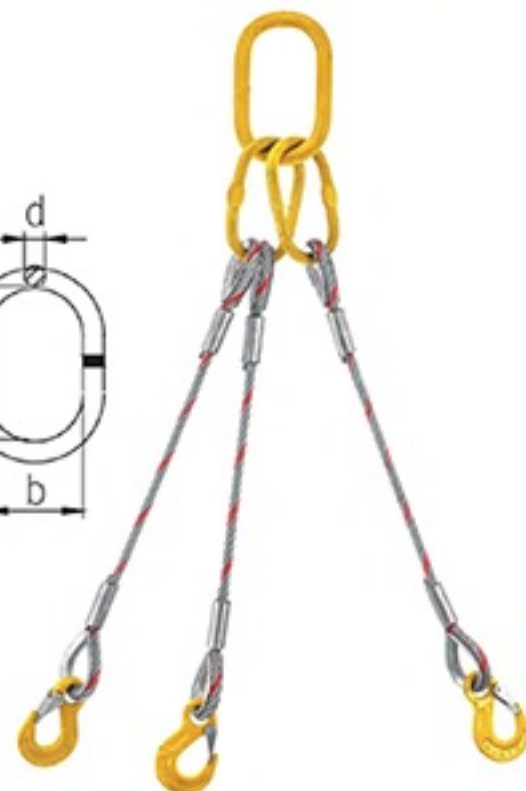
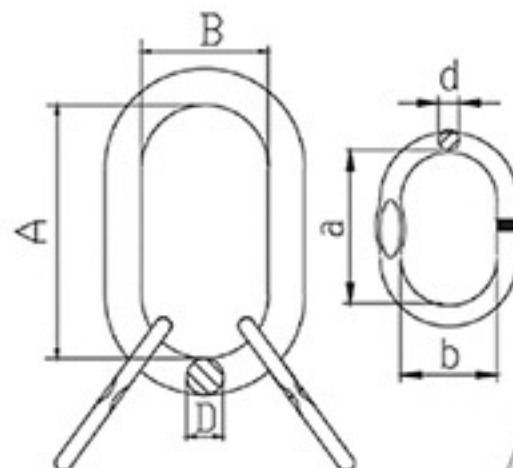
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

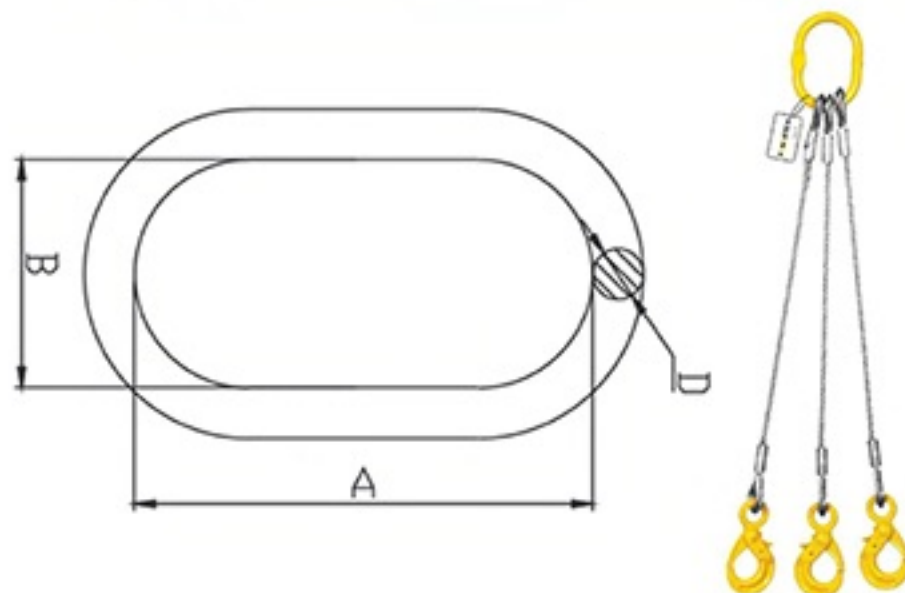
CHIEF INSPECTOR



SIZE	WLL	A	B	D	a	b	d	WEIGHT
inch	ton	mm	mm	mm	mm	mm	mm	kg
1/2"	2.36	100	60	14	85	40	12	0.82
5/8"	3.15	160	90	18	100	60	14	1.6
3/4"	4.25	160	90	20	100	60	14	1.95
7/8"	6.7	180	100	22	150	70	18	3.16
1"	10	270	140	25	155	80	20	5.28
1-1/8"	11.2	270	140	28	160	90	22	6.75
1-1/4"	17	270	140	32	180	100	25	9.3
1-1/2"	23.6	300	160	40	270	140	31	18.4
1-3/4"	31.5	340	180	45	285	155	36	26.6
2"	45	350	190	51	340	180	45	42.9

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

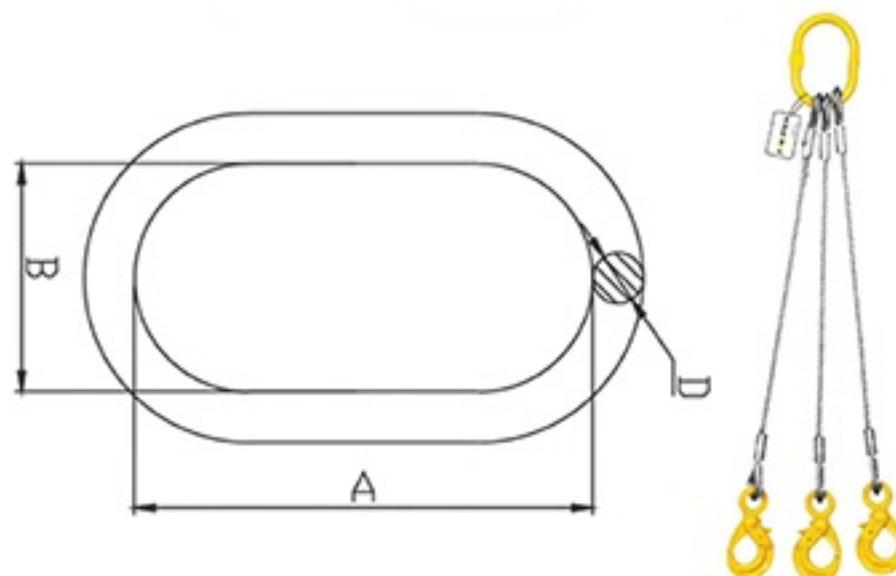
CHIEF INSPECTOR



SIZE	WLL	A	B	D	WEIGHT
inch	ton	mm	mm	mm	kg
1/2	2	125	62	12	0,385
5/8	3	150	74	15,5	0,65
3/4	4,7	140	67,5	20	1,01
7/8	6,4	180	90	22	1,56
1	11	180	90	26	2
1 1/4	16	220	110	32	4
1 1/2	21,7	265	130	38	7
1 3/4	28,4	305	155	45	11
2	35	350	180	52	16
2 1/4	45	410	205	58	24
2 1/2	50	410	205	63	30

**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

**BERSERTIFIKAT
INTERNASIONAL**



**HEAVY DUTY
CHIEF INSPECTOR**



SIZE inch	WLL ton	A mm	B mm	D mm	WEIGHT kg
7/16"	1.6	100	60	12	0.27
1/2"	2.12	100	60	14	0.38
3/4"	3.15	160	90	20	1.2
7/8"	8	180	100	22	1.63
1"	11.2	180	100	25	2.13
1-1/8"	12.5	270	140	28	3.81
1-1/4"	16	270	140	32	5.05
1-3/8"	21.2	285	155	36	6.83
1-1/2"	25	300	160	40	8.9
1-3/4"	31.5	340	180	45	12.8
2"	45	390	215	51	17.3

**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

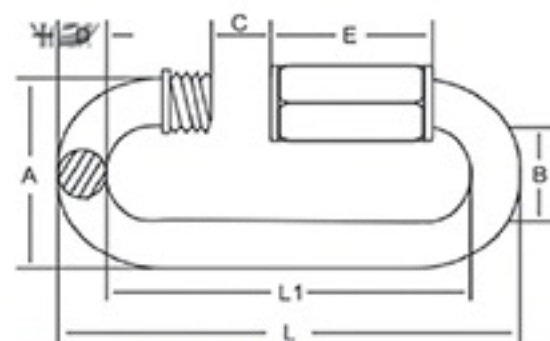
CHIEF INSPECTOR



QUICK LINK GALVANIZED



Berfungsi untuk pengait juga
penghubung antara mata rantai
maupun dengan rope.



Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L	L1	E		
3.5	17	10	5	3.5	36	29	11	220	8
4	19.5	11.5	5.5	4	39.5	31.5	12.5	440	12
5	23	13	6.5	5	48.5	35.5	16	660	21
6	26.5	14.5	7.5	6	57	45	19	880	35
7	30	16	8.5	7	66	52	21.5	1300	54
8	33.5	17.5	10.5	8	74	58	24	1760	75
9	37	19	11	9	80	62	26	2200	105
10	40.5	20.5	12	10	89	69	29	2640	135
12	47.5	23.5	15	12	104.5	80.5	33	3300	228
14	54.5	26.5	17	14	121	93	38.5	6100	350
16	61.5	29.5	19	16	140	108	45	8000	500

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

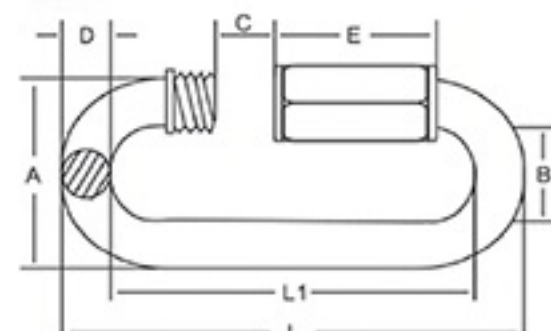


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi untuk pengait juga
penghubung antara mata rantai
maupun dengan rope.



Size (mm)	Dimension (mm)							W.L.L (lbs)	N.W. (g/pc)
	A	B	C	D	L	L1	E		
3.5	17	10	5	3.5	36	29	11	175	8.1
4	19.5	11.5	5.5	4	39.5	31.5	12.5	500	12
5	23	13	6.5	5	48.5	35.5	16	650	21
6	26.5	14.5	7.5	6	57	45	19	875	35.5
7	30	16	8.5	7	66	52	21.5	1200	66
8	33.5	17.5	10.5	8	74	58	24	1525	76
9	37	19	11	9	80	62	26	1975	111
10	40.5	20.5	12	10	89	69	29	2300	137
12	47.5	23.5	15	12	104.5	80.5	33	2500	253
14	54.5	26.5	17	14	121	93	38.5	2800	358

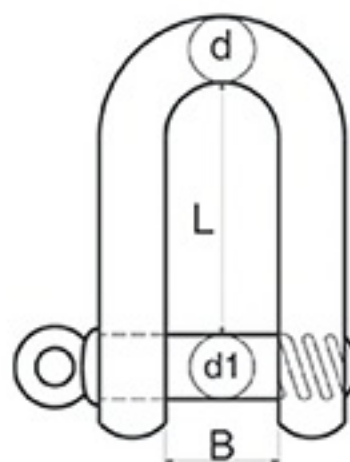
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



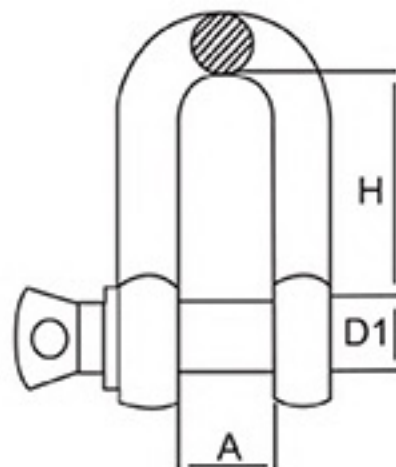
Size (mm)	W.L.L.(kg)	Dimension (mm)				Weight (kg/pc)
		B	D	L	d/d1	
5	80	10	10	18.5	5	0.014
6	100	12	11	25	6.5	0.028
8	200	14	15	31	8.5	0.049
10	320	18	17	36	10	0.049
12	520	24	23	46	13	0.18
16	800	30	32	59	17	0.42
20	1100	36	37	74	20	0.72
22	1500	43	43	86	23	1.18
25	2100	47	50	95	27	1.80
28	3000	55	56	110	30	2.50
32	3500	64	64	130	34	3.70
38	5000	76	76	145	40	6.10
44	7000	80	90	160	47	9.40
50	8000	90	100	185	53	11.50

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

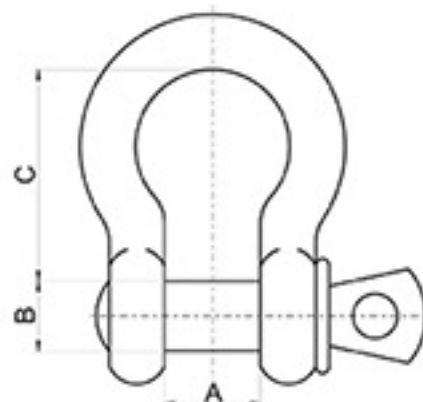


**HEAVY DUTY
CHIEF INSPECTOR**



Size (mm)	Dimension (mm)					W.L.L (Kg)	N.W. (g/pc)
	H	A	B	D	D1		
5	20	10	11	5	5	80	18
6	25	13	14	6	6	100	32
8	32	16	18	8	8	200	67
10	38	19	20	10	10	320	126
12	51	25	26	12	12	520	235
16	64	32	33	16	16	800	495
20	76	38	40	20	20	1100	790
22	89	44	50	22	22	1500	1280
25	100	51	57	25	25	2100	1980
28	115	57	73	28	28	3000	2970

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



Screw pin anchor shackle meet the requirements of federal specification RR-C-271F type IVA, grade A, class 2



Berfungsi untuk menyambung atau mengkaitkan sling dengan objek yang akan diangkat.



HEAVY DUTY

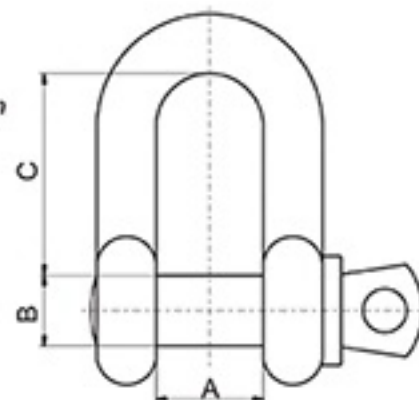
CHIEF INSPECTOR



Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
3/16	1/3	0.38	0.25	0.88	0.02
1/4	1/2	0.47	0.31	1.13	0.05
5/16	3/4	0.53	0.38	1.22	0.09
3/8	1	0.66	0.44	1.44	0.14
7/16	1-1/2	0.75	0.50	1.69	0.17
1/2	2	0.81	0.63	1.88	0.29
5/8	3-1/4	1.06	0.75	2.38	0.63
3/4	4-3/4	1.25	0.88	2.81	1.02
7/8	6-1/2	1.44	1	3.31	1.53
1	8-1/2	1.69	1.13	3.75	2.41
1-1/8	9-1/2	1.81	1.25	4.25	3.09
1-1/4	12	2.03	1.38	4.69	4.31
1-3/8	13-1/2	2.25	1.50	5.25	6.01
1-1/2	17	2.38	1.63	5.75	7.80
1-3/4	25	2.88	2	7	13.78
2	35	3.25	2.25	7.75	20.41
2-1/2	55	4.13	2.75	10.5	38.90
3	85	5	3.25	13	72

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

* Warna Produk tergantung ketersediaan



Screw pin anchor shackle meet the requirements of federal specification RR-C-271D type 1VA, grade A, class 2

Berfungsi untuk menyambung atau mengkaitkan sling dengan objek yang akan diangkat.



Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
1/4	1/2	0.47	0.31	0.97	0.05
5/16	3/4	0.53	0.38	1.07	0.08
3/8	1	0.66	0.44	1.28	0.13
7/16	1-1/2	0.75	0.50	1.48	0.20
1/2	2	0.81	0.63	1.66	0.27
5/8	3-1/4	1.06	0.75	2.04	0.57
3/4	4-3/4	1.25	0.88	2.40	1.19
7/8	6-1/2	1.44	1	2.86	1.43
1	8-1/2	1.69	1.13	3.24	2.15
1-1/8	9-1/2	1.81	1.25	3.61	3.06
1-1/4	12	2.03	1.38	3.97	4.11
1-3/8	13-1/2	2.25	1.50	4.43	5.28
1-1/2	17	2.38	1.63	4.84	7.23
1-3/4	25	2.88	2	5.78	12.13
2	35	3.25	2.25	6.77	19.19
2-1/2	55	4.13	2.75	8.07	32.27
3	85	5	3.25	8.56	42.50

HEAVY DUTY
CHIEF INSPECTOR

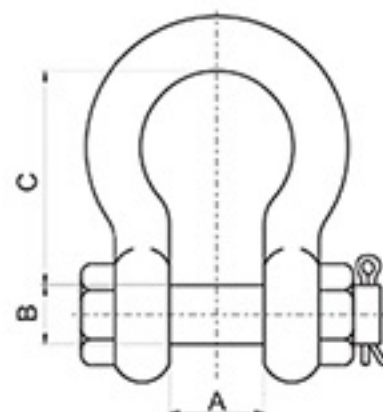


*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



HEAVY DUTY

CHIEF INSPECTOR



Bolt-type anchor shackle meet the requirements of federal specification RR-C-271D type 1VA, grade A, class 2



Berfungsi untuk menyambung atau mengkaitkan sling dengan objek yang akan diangkat.

Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
1/4	1/2	0.47	0.31	1.13	0.08
5/16	3/4	0.53	0.38	1.22	0.10
3/8	1	0.66	0.44	1.44	0.15
7/16	1-1/2	0.75	0.50	1.69	0.22
1/2	2	0.81	0.63	1.88	0.36
5/8	3-1/4	1.06	0.75	2.38	0.76
3/4	4-3/4	1.25	0.88	2.81	1.23
7/8	6-1/2	1.44	1	3.31	1.79
1	8-1/2	1.69	1.13	3.75	2.78
1-1/8	9-1/2	1.81	1.25	4.25	3.75
1-1/4	12	2.03	1.38	4.69	5.31
1-3/8	13-1/2	2.25	1.50	5.25	7.18
1-1/2	17	2.38	1.63	5.75	9.43
1-3/4	25	2.88	2	7	15.38
2	35	3.25	2.25	7.75	23.70
2-1/2	55	4.13	2.75	10.5	44.57
3	85	5	3.25	13	69.85
3-1/2	120	5.25	3.75	14.5	120.20
4	150	5.5	4.25	14.63	153.32

* Warna Produk tergantung ketersediaan

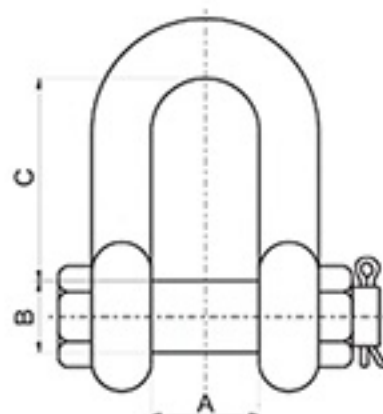


HEAVY DUTY

CHIEF INSPECTOR



G-2150 BOLT TYPE SHACKLE



Bolt-type chain shackle meet the requirements of federal specification RR-C-271D type 1VA, grade A, class 1



Berfungsi untuk menyambung atau mengkaitkan sling dengan objek yang akan diangkat.

Nominal Size (in)	W.L.L. (t)	Dimension (in)			Weight (kg/pc)
		A	B	C	
1/4	1/2	0.47	0.31	0.91	0.06
5/16	3/4	0.53	0.38	1.07	0.10
3/8	1	0.66	0.44	1.28	0.15
7/16	1-1/2	0.75	0.50	1.46	0.22
1/2	2	0.81	0.63	1.63	0.34
5/8	3-1/4	1.06	0.75	2	0.67
3/4	4-3/4	1.25	0.88	2.38	1.17
7/8	6-1/2	1.44	1	2.81	1.75
1	8-1/2	1.69	1.13	3.19	2.52
1-1/8	9-1/2	1.81	1.25	3.58	3.45
1-1/4	12	2.03	1.38	3.94	4.90
1-3/8	13-1/2	2.25	1.50	4.38	6.27
1-1/2	17	2.38	1.63	4.81	8.39
1-3/4	25	2.88	2	5.75	14.24
2	35	3.25	2.25	6.75	21.21
2-1/2	55	4.13	2.75	8	38.56
3	85	5	3.25	8.5	56.36
3-1/2	120	5.25	3.75	-	120
4	150	5.5	4.25	-	156

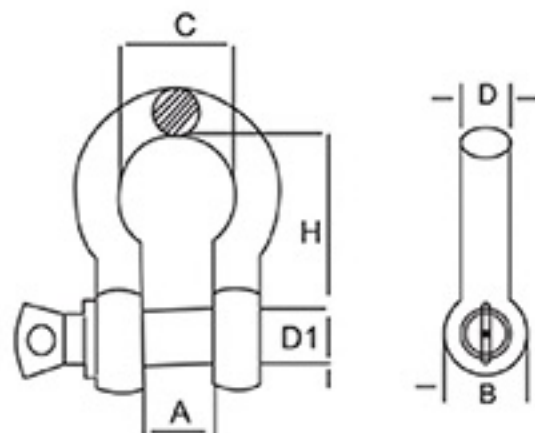
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Size (mm)	Dimension (mm)						W.L.L (lbs)	N.W. (g/pc)
	H	A	B	C	D	D1		
5	19	10	11	16	5	5	80	19
6	25	13	14	20	6	6	100	34
8	32	16	18	24	8	8	200	70
10	38	19	20	32	10	10	320	130
12	51	25	26	38	12	12	520	260
16	64	32	33	56	16	16	800	500
20	76	38	40	66	20	20	1100	800
22	89	44	50	74	22	22	1500	1300
25	100	51	57	80	25	25	2100	2000
28	115	57	73	94	28	28	3000	3000

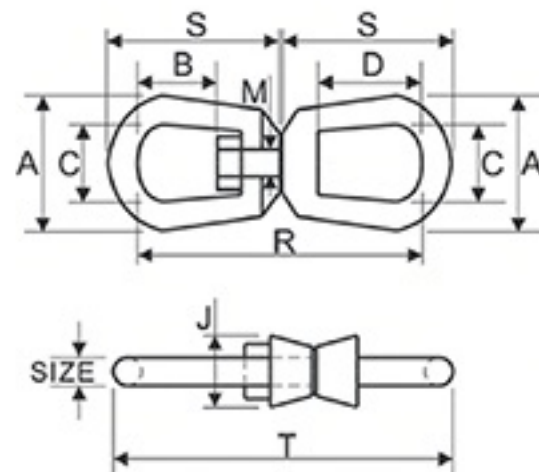
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai penghubung yang dapat diputar 360° antara 2 objek (Wire Rope, Rope hingga Rigging Accessories).

Size (in)	W.L.L.(lbs)	Weight(lbs)	Dimension (mm)								
			A	B	C	D	J	M	R	S	T
1/4	850	0.21	1.25	0.69	0.75	1.06	0.69	0.31	2.94	1.69	3.44
5/16	1250	0.39	1.63	0.81	1.00	1.25	0.81	0.38	3.56	2.06	4.19
3/8	2500	0.75	2.00	0.94	1.25	1.50	1.00	0.50	4.31	2.50	5.06
1/2	3600	1.43	2.50	1.31	1.50	2.00	1.31	0.63	5.44	3.19	6.44
5/8	5200	2.50	3.00	1.56	1.75	2.38	1.50	0.75	6.56	3.88	7.81
3/4	7200	4.13	3.50	1.75	2.00	2.63	1.88	0.88	7.19	4.31	8.69
7/8	10000	6.25	4.00	2.06	2.25	3.06	2.13	1.00	8.38	5.00	10.13
1	12500	9.00	4.50	2.31	2.50	3.50	2.38	1.13	9.63	5.75	11.63
1-1/4	18000	16.37	5.63	2.69	3.13	3.69	3.00	1.38	11.13	6.75	13.36
1-1/2	45200	49.06	7.00	4.19	4.00	4.19	4.00	2.25	17.13	10.00	20.13

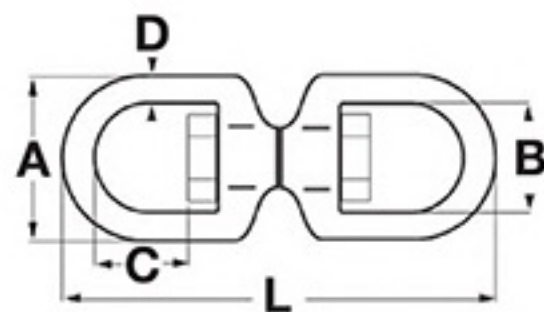
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



HEAVY DUTY

CHIEF INSPECTOR

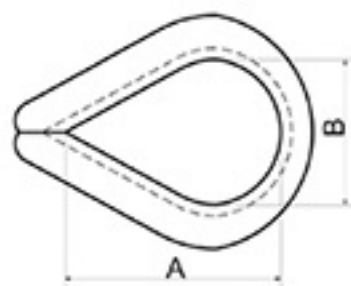


Berfungsi sebagai penghubung yang dapat diputar 360° antara 2 objek (Wire Rope, Rope hingga Rigging Accessories).

Size (mm)	Dimension (mm)					B.L (kg)	N.W. (kg/pc)
	A	B	C	D	L		
4	18	11	11	3.6	47	180	0.034
5	23	13	13	5	60	300	0.037
6	27	15	15	6	65	450	0.051
8	36	20	22	8	90	900	0.12
10	44	24	27	10	115	1500	0.25
13	58	32	35	13	154	3000	0.62
16	71	39	45	16	188	4500	0.95
20	80	41	50	19	231	6000	1.93
22	91	47	52	22	254	7500	2.25
25	113	63	67	25	295	9000	4.45

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

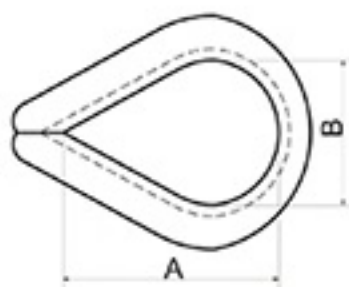
HEAVY DUTY
CHIEF INSPECTOR


Berfungsi sebagai pematik bentuk alami mata sling dan melindungi wire rope dari terkikis sampai terjepit.

Size (in)	Dimension (in)			Weight (kg/pc)
	A	B	C	
1/8	1.31	0.69	0.16	0.013
3/16	1.31	0.69	0.22	0.013
1/4	1.31	0.69	0.28	0.013
5/16	1.5	0.81	0.34	0.018
3/8	1.63	0.94	0.41	0.029
1/2	1.88	1.13	0.53	0.057
5/8	2.25	1.38	0.66	0.113
3/4	2.5	1.63	0.78	0.227
7/8	3.5	1.88	0.94	0.385
1	4.25	2.5	1.06	0.453
1-1/8-1-1/4	4.5	2.75	1.31	0.793
1-3/8	7.54	3.54	1.42	1.266
1-1/2	8.11	4.13	1.56	1.42
1-5/8	9.06	4.33	1.69	1.726
1-3/4	9.59	4.33	1.81	2.216
1-7/8	10.4	4.5	2.05	2.333
2	10.63	4.5	2.09	2.8
2-1/2	11.63	5.98	2.52	4

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

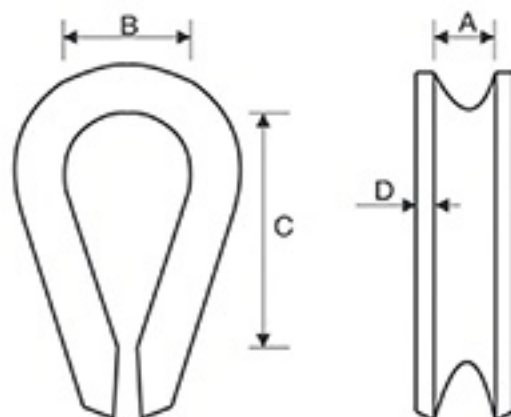
HEAVY DUTY
CHIEF INSPECTOR


Berfungsi sebagai pematik bentuk alami mata sling dan melindungi wire rope dari terkikis sampai terjepit.

Size (in)	Dimension (in)			Weight (kg/pc)
	A	B	C	
1/4	1.36	0.88	0.28	0.03
5/16	1.88	1.06	0.34	0.051
3/8	2.13	1.13	0.41	0.113
7/16	2.38	1.25	0.47	0.136
1/2	2.75	1.5	0.53	0.231
9/16	2.75	1.5	0.59	0.236
5/8	3.25	1.75	0.66	0.34
3/4	3.75	2	0.78	0.667
7/8	4.25	2.25	0.94	0.794
1	4.5	2.5	1.06	1.247
1-1/8-1-1/4	5.13	2.88	1.31	1.637
1-1/4-1-3/8	6.25	3.5	1.44	3.71
1-3/8-1-1/2	6.5	3.5	1.56	5.33
1-5/8	8	4	1.72	7.71
1-3/4	9	4.5	1.84	8.95
1-7/8-2	12	6	2.09	11.34
2-1/4	14	7	2.38	17.92
2-3/8	14.88	7	2.52	22.15
2-1/2	15.7	7.4	2.62	26.5
2-3/4	16.46	7.4	2.9	30.12
2-7/8	17.45	7.72	2.99	36
3	18.31	7.72	3.15	38.5
3-1/2	19.88	9.45	3.74	44

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

HEAVY DUTY
CHIEF INSPECTOR


Berfungsi sebagai pematok bentuk alami mata sling dan melindungi wire rope dari terkikis sampai terjepit.

Size (mm)	Dimension (mm)				N.W. (g/pc)
	A	B	C	D	
1/8	0.16	0.69	1.31	0.05	7
3/16	0.22	0.69	1.31	0.05	8
1/4	0.28	0.69	1.31	0.05	9
5/16	0.34	0.81	1.50	0.05	12
3/8	0.41	0.94	1.63	0.06	15
1/2	0.53	1.13	1.88	0.08	70
5/8	0.66	1.38	2.25	0.13	200
3/4	0.78	1.63	2.50	0.14	250
7/8	0.94	1.88	3.50	0.16	470
1	1.06	2.50	4.25	0.16	570
1-1/8	1.31	2.75	4.50	0.22	1090

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

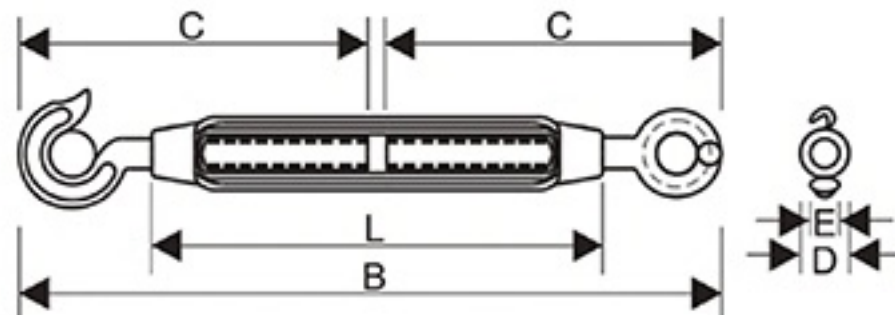


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



Size (mm)	W.L.L. (kg)	Dimension (mm)					Weight (kg/pc)
		B	C	D	E	L	
6	20	145	215	12	10	100	0.16
8	40	185	280	14	12	125	0.24
10	60	210	325	16	14	150	0.39
12	100	275	430	19	18	200	0.64
16	200	345	540	23	24	250	1.44
20	300	435	670	28	26	300	2.45
22	440	480	740	34	32	325	3.60
24	600	555	830	36	36	350	5.00
32	1000	480	740	34	32	325	3.60
38	1400	555	830	36	36	350	5.00

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

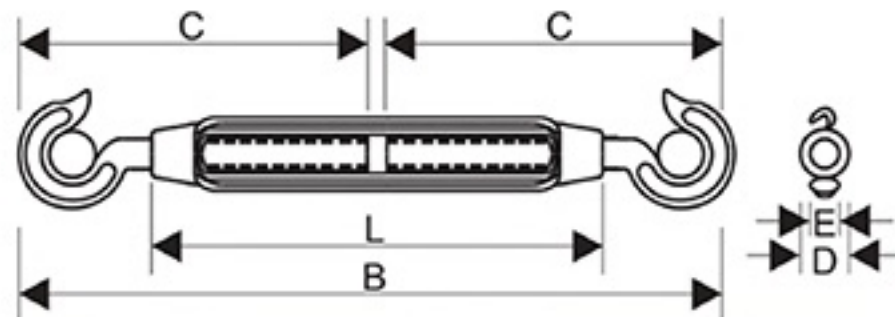


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



Size (mm)	W.L.L. (kg)	Dimension (mm)					Weight (kg/pc)
		B	C	D	E	L	
6	20	145	215	12	10	100	0.16
8	40	185	280	14	12	125	0.24
10	60	210	325	16	14	150	0.39
12	100	275	430	19	18	200	0.64
16	200	345	540	23	24	250	1.44
20	300	435	670	28	26	300	2.45
22	440	480	740	34	32	325	3.60
24	600	555	830	36	36	350	5.00
32	1000	480	740	34	32	325	3.60
38	1400	555	830	36	36	350	5.00

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

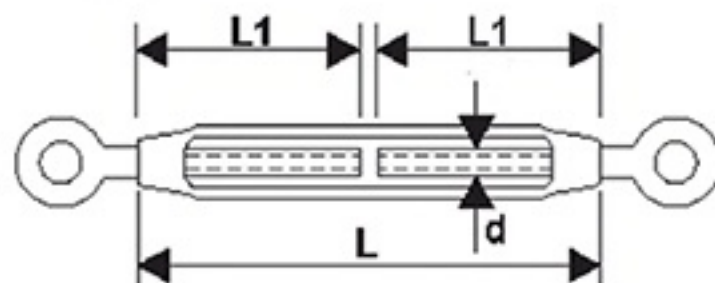


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



THREAD	BODY LENGTH	SCREW LENGTH	d	TEST LOAD	WEIGHT
mm	mm	mm	mm	t	kg/pc
M6	100	48	6	1.0	0.116
M8	125	58	8	1.2	0.220
M10	150	70	10	1.5	0.295
M12	200	90	12	2.0	0.600
M16	250	110	16	3.0	1.070
M20	300	135	20	4.0	1.790
M22	330	148	22	5.0	2.550
M24	350	178	26	6.0	3.800
M32	380	198	29	15	4.700
M38	440	218	35	20	7.330

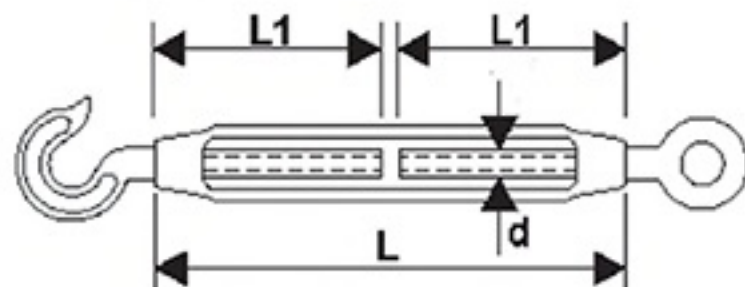


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.

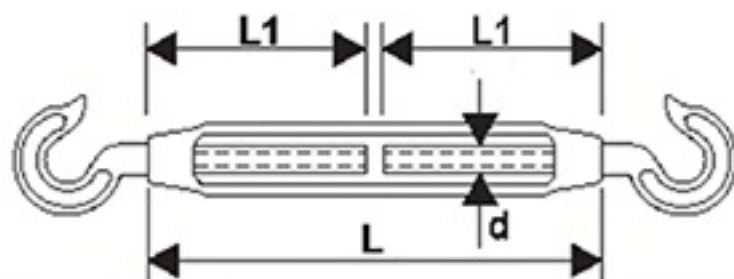


THREAD	BODY LENGTH	SCREW LENGTH	d	W.L.L.	WEIGHT
mm	mm	mm	mm	kg	kg/pc
M6 (1/4")	100	48	6	250	0.116
M8 (5/16")	125	58	8	300	0.220
M10 (3/8")	150	70	10	375	0.295
M12 (1/2")	200	90	12	500	0.600
M16 (5/8")	250	110	16	750	1.070
M20 (3/4")	300	135	20	1.000	1.790
M22 (7/8")	330	148	22	1.250	2.550
M24 (1")	350	178	26	1.500	3.800
M32 (1 1/4")	380	198	29	2.000	4.700
M38 (1 1/2")	440	218	35	2.500	7.330

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



HEAVY DUTY
CHIEF INSPECTOR



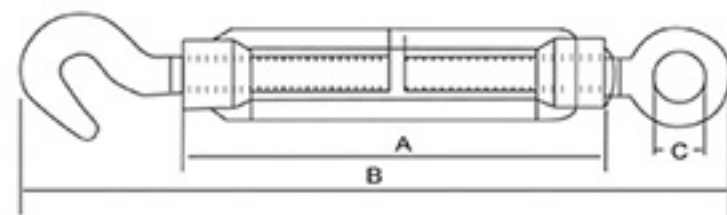
THREAD	BODY LENGTH	SCREW LENGTH	d	W.L.L.	WEIGHT
mm	mm	mm	mm	kg	kg/pc
M6 (1/4")	100	48	6	250	0.116
M8 (5/16")	125	58	8	300	0.220
M10 (3/8")	150	70	10	375	0.295
M12 (1/2")	200	90	12	500	0.600
M16 (5/8")	250	110	16	750	1.070
M20 (3/4")	300	135	20	1.000	1.790
M22 (7/8")	330	148	22	1.250	2.550
M24 (1")	350	178	26	1.500	3.800
M32 (1 1/4")	380	198	29	2.000	4.700
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*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

HEAVY DUTY
CHIEF INSPECTOR


Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



Size (mm)	WLL (kg)	Dimension (mm)			N.W (kg/pc)
		A	B	C	
M4 (1/8")	20	56	100 - 142	7	0.03
M5 (3/16")	40	70	115 - 168	8	0.05
M6 (1/4")	80	90	145 - 210	11	0.08
M8 (5/16")	140	110	182 - 257	12.8	0.16
M10 (3/8")	220	125	213 - 298	14	0.30
M12 (1/2")	300	125	238 - 318	16	0.40
M16 (5/8")	600	170	320 - 430	22	0.91
M20 (3/4")	800	200	357 - 497	24	1.60
M22 (7/8")	1000	326	480 - 735	24	2.37
M24 (1")	1200	354	530 - 810	27	3.07

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**

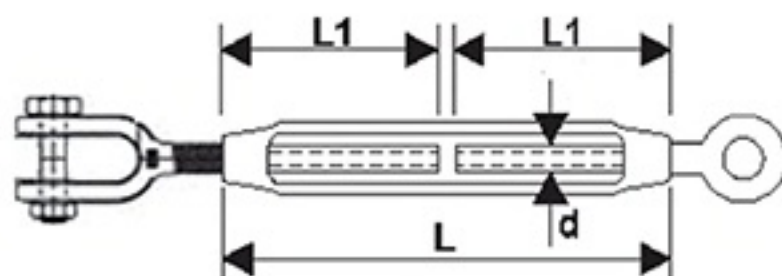


HEAVY DUTY

CHIEF INSPECTOR



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



Thread (mm)	Body Length(mm)	Screw Length(mm)	d(mm)	W.L.L. (kgs)	Weight (kg/pc)
M6	100	48	6	220	0.116
M8	125	58	8	300	0.220
M10	150	70	10	500	0.295
M12	200	95	12	900	0.600
M16	250	120	16	1500	1.070
M20	300	140	20	2300	1.790
M22	330	165	22	3200	2.550
M24	530	270	24	4500	3.800

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



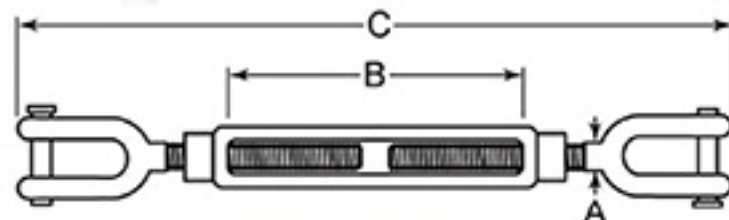
**HEAVY DUTY
CHIEF INSPECTOR**



TURNBUCKLE US TYPE J & J



Berfungsi sebagai pengatur tingkat ketegangan tarikan dengan fleksibel terhadap 2 objek yang saling terkait.



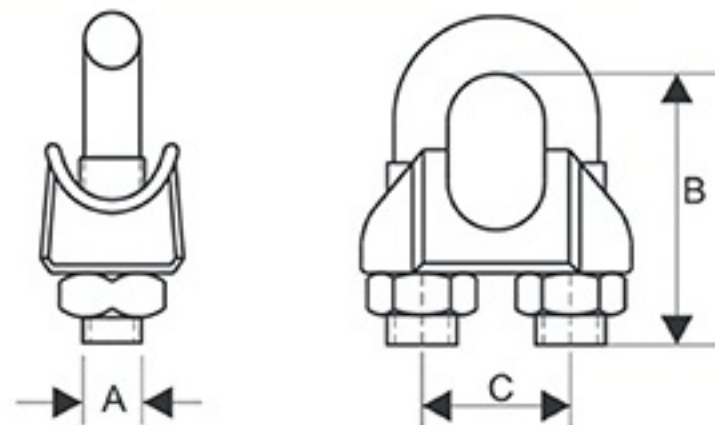
Size (da x take-up)	Average overall length with ends in closed position	Approx. unit weight (lbs)					W.L.L. (lbs)	
		eyes and/or hooks	hook/eye	hook/eye	shut end	body only	hook/hook/hook/eye	E/E, J/E, J/E, shut end
1/4" x 4"	8-1/4"	0.30	0.30	0.42	0.29	0.17	190	220
5/16" x 4-1/2"	9-9/16"	0.50	0.36	0.58	0.46	0.25	310	300
3/8" x 6"	11-7/8"	0.75	0.82	0.93	0.75	0.3	450	500
1/2" x 6"	13-5/16"	1.50	1.62	1.86	1.56	0.55	680	900
1/2" x 8"	16-5/16"	1.75	1.82	1.85	1.69	0.74	680	900
3/4" x 12"	19-5/16"	2.18	2.18	2.20	2	0.93	680	900
5/8" x 6"	15-1/2"	2.43	2.59	2.82	2.15	0.91	1800	1500
5/8" x 8"	18-1/2"	3	3.01	3.25	2.7	1.2	1800	1500
5/8" x 12"	21-1/2"	3.35	3.50	3.75	3.22	1.5	1800	1500
3/4" x 8"	17"	3.75	4.25	4.68	3.25	1.3	1300	2300
3/4" x 9"	20"	4.5	5	5.38	4	1.7	1300	2300
3/4" x 12"	23"	5.75	6.35	6.12	4.65	2.12	1300	2300
3/4" x 18"	29"	7	7.25	7.25	6.12	2.83	1300	2300
3/4" x 6"	18"	—	—	—	4.75	2	1800	3200
7/8" x 12"	24-5/8"	8.88	8.88	9.30	6.67	3	1800	3200
7/8" x 18"	30-5/8"	12.25	12.6	11.64	8.75	4.12	1800	3200
1" x 6"	20-5/8"	—	—	—	6.41	2.5	2250	4500
1" x 12"	26-5/8"	11.25	12	12.58	8.9	3.86	2250	4500
1" x 18"	32-5/8"	14	14.75	16.1	11.7	5.5	2250	4500
1" x 24"	38-5/8"	17	17.75	18.6	14.3	7	2250	4500
1-1/4" x 6"	20"	—	—	—	10.4	4	2900	6800
1-1/4" x 12"	26-7/8"	19	21.2	23.6	14.2	5.93	2900	6800
1-1/4" x 18"	32-7/8"	24.1	26	28.6	18	8	2900	6800
1-1/4" x 24"	41-7/8"	25	28.7	31.2	21.6	10	2900	6800
1-1/2" x 6"	22-1/2"	—	—	—	13.4	5.8	3450	8700
1-1/2" x 12"	32-3/8"	27	31.1	35.5	20.5	8.4	3450	8700
1-1/2" x 18"	38-3/8"	31.2	35.4	40.7	25.2	11.6	3450	8700
1-1/2" x 24"	48-3/8"	36.2	44.2	47.6	31.4	14.1	3450	8700
1-3/4" x 6"	—	—	—	—	20.7	8.75	—	12780
1-3/4" x 18"	41-3/4"	45	48.6	52.4	—	—	—	12780
1-3/4" x 24"	47-3/4"	56	60	64	43.9	13.5	—	12780
2" x 6"	—	—	—	—	31.5	12.5	—	16780
2" x 24"	51-3/4"	80	102	115	60.3	21.5	—	16780
2-1/2" x 6"	—	—	—	—	60.8	27	—	27080
2-1/2" x 24"	58-1/2"	189	189	200	119	54	—	27080
3-1/2" x 24"	65-1/2"	180	214	248	—	54	—	36080

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



Berfungsi sebagai pengunci wire rope untuk membentuk mata sling secara temporer (dapat di lepas kembali).



SIZE	A	B	C
mm	mm	mm	mm
3	3,8	15	9
5	4,5	18,5	10,5
6	4,8	22,5	12,7
8	5,7	26	15
10	7,5	32,3	18
12	9,5	42,5	23,2
16	11,5	53	28
20	11,5	60,5	33
22	13,5	67,5	37
26	13,5	75	40,5
28	15	90	47,5
30	15,3	93,5	46,7
32	15,3	98	45,5
38	15,3	116	58

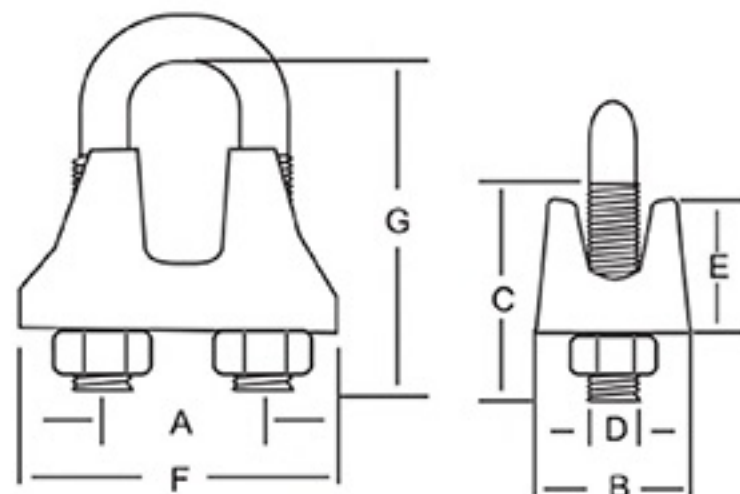
HEAVY DUTY
CHIEF INSPECTOR



**BERSERTIFIKAT
INTERNASIONAL**



Berfungsi sebagai pengunci wire rope untuk membentuk mata sling secara temporer (dapat di lepas kembali).



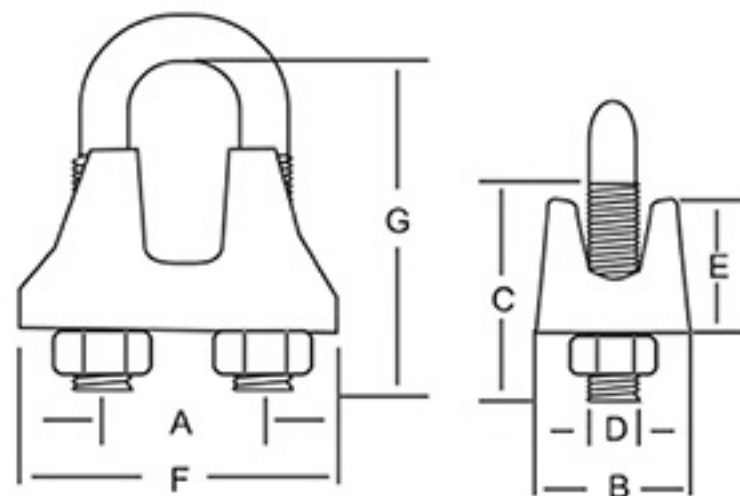
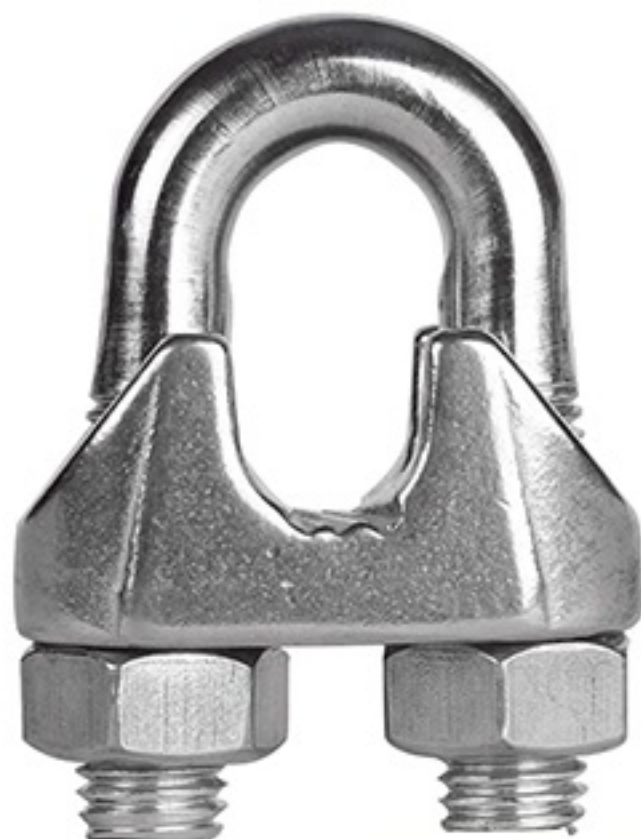
HEAVY DUTY

CHIEF INSPECTOR



Size (In) (mm)		Dimension (mm)							N.W. (g/pc)
		A	B	C	D	E	F	G	
1/8	3	9	10	12	4	10	21	16	14
3/16	5	11	11	13	5	10	23	19	15
1/4	6	13	12	15	5	11	26	23	21
5/16	8	16	14	19	6	15	30	28	41
3/8	10	19	18	22	8	17	34	34	68
7/16	11	20	19	22	8	18	36	36	72
1/2	12	23	21	27	9	20	40	45	120
1/2	13	24	23	30	10	21	42	45	130
9/16	14	25	23	30	10	22	44	47	135
5/8	16	29	26	33	12	26	50	51	210
3/4	19	32	29	38	12	30	54	63	280
7/8	22	35	30	44	11	34	59	68	400
1	25-26	40	33	43	14	36	65	82	560

**BERSERTIFIKAT
INTERNASIONAL**



Berfungsi sebagai pengunci wire rope untuk membentuk mata sling secara temporer (dapat di lepas kembali).

HEAVY DUTY

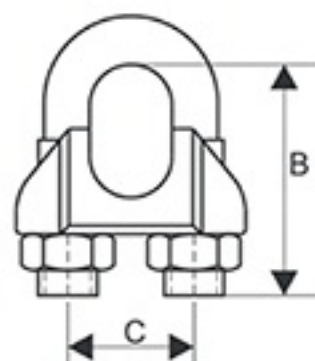
CHIEF INSPECTOR



Size (in)	(mm)	Dimension (mm)							N.W. (g/pc)
		A	B	C	D	E	F	G	
1/8	3	9	10	12	4	10	21	16	14
3/16	5	11	11	13	5	10	23	19	15
1/4	6	13	12	15	5	11	26	23	21
5/16	8	16	14	19	6	15	30	28	41
3/8	10	19	18	22	8	17	34	34	68
7/16	11	20	19	22	8	18	36	36	72
1/2	13	24	23	30	10	21	42	45	130
9/16	14	25	23	30	10	22	44	47	135
5/8	16	29	26	33	12	26	50	51	210
3/4	19	32	29	38	12	30	54	63	280
7/8	22	37	33	44	14	34	61	71	400

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



Berfungsi sebagai pengunci wire rope untuk membentuk mata sling secara temporer (dapat di lepas kembali).

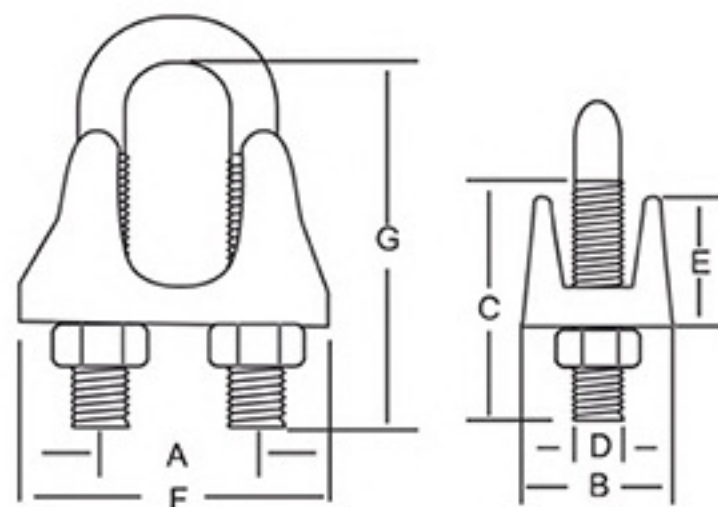
**HEAVY DUTY
CHIEF INSPECTOR**



Size (mm)	Dimension (mm)			N.W.(kg/pc)
	A	B	C	
M6	5	24	12	0.03
M8	6	30	15	0.05
M10	8	37	19	0.09
M12	10	47	24	0.18
M15	12	56	29	0.28
M20	14	70	36	0.47
M22	16	77	40	0.62
M25	18	85	43	0.85
M28	20	95	48	1.20
M32	22	108	55	1.57
M40	24	120	64	2.61
M45	27	137	72	3.63
M50	30	154	80	4.80

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**BERSERTIFIKAT
INTERNASIONAL**



Berfungsi sebagai pengunci wire rope untuk membentuk mata sling secara temporer (dapat di lepas kembali).

HEAVY DUTY

CHIEF INSPECTOR



Size (in)	Dimension (mm)							N.W. (g/pc)
	A	B	C	D	E	F	G	
1/8	11	14	14	5	10.8	22	20	15
3/16	13.5	15	16	6	13	26	24	30
1/4	17	18.5	20	8	15	32	31.5	52
5/16	18.3	20	22	8	16	35	34	60
3/8	22.5	22	27	10	22	40.5	41.8	100
7/16	24	23	30	10	22	43	42.8	110
1/2	27	26	35	12	23.3	49	53.9	174
9/16	30	26.5	40	14	27	52.5	54.7	225
5/8	33	28.5	40	14	28	57.5	59.2	248

POWERTEC®

HEAVY DUTY LIFTING

WINCH

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE



Friendly Hand Switch Controller Featured

HEAVY DUTY
CHIEF INSPECTOR



▲ KDJ - E2 electric windlass using cone roto. It is widely used in small houses, high buildings decoration, digging well, lifting soil and hanging things for warehouse, as well as the personal necessary equipment.

▲ This type of electric windlass has many advantages, such as triggering fast, small volume, light weight, tight structure, common use and convenient operation, etc.

*Warna Produk tergantung ketersediaan

MODEL		KDJ - 300 E2	KDJ - 500 E2
LIFTING CAPACITY	kg	300	500
LIFTING HEIGHT	m	70	70
LIFTING SPEED	m/min	18-24	8-16
POWER OF MOTOR	kW	1.7	1.7
Working Level		M3 / 25% ED	M3 / 25% ED
VOLTAGE	V	220 V / 1 F / 50 Hz	220 V / 1 F / 50 Hz
WIRE ROPE DIAMETER	mm	6	6
PACKAGING MEASUREMENT	cm	66 x 30 x 28	66 x 30 x 34
GROSS WEIGHT	kg	38	40
NETTO WEIGHT	kg	36	37

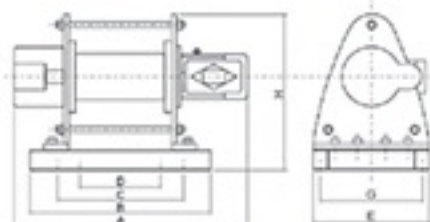
*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



ELECTRIC WINCH KDJ - E3

- ▲ Electric winches of the KDJ - E3 range are used for lifting, towing and positioning of loads under demanding conditions.
- ▲ The application of high - quality and gear motors ensure safety and a long service life. Option electronic overheat protection.
- ▲ The maintenance - free, oil lubricated gearbox has quiet running characteristics. Increased operating safety due to 36V contractor control.
- ▲ High strength mounting bracket can reduce vibration and ensure smooth operation.

*Warna Produk tergantung ketersediaan

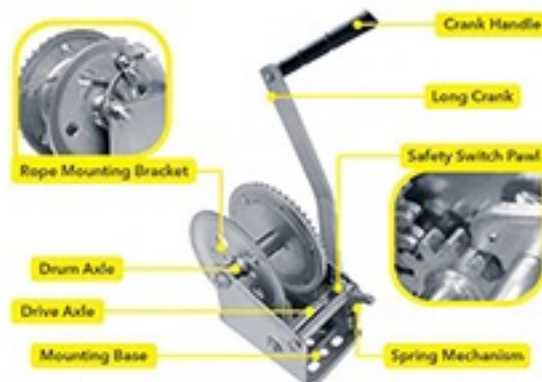


HEAVY DUTY
CHIEF INSPECTOR



MODEL		KDJ - 1000 E3	KDJ - 1500 E3	KDJ - 2000 E3	KDJ - 3000 E3	KDJ - 5000 E3
CAPACITY	TON	1	1.5	2	3	5
LIFTING SPEED	m/min	12	12	16	16	16
POWER	kW	3	4.5	7.5	7.5	18.5
VOLTAGE	V	380 V / 3 f / 50 Hz				
Working Level		M5 / 40% ED	M5 / 40% ED	M5 / 40% ED	M5 / 40% ED	M5 / 40% ED
LIFTING HEIGHT	m	100	100	100	100	200
WIRE ROPE DIAMETER	mm	8.7	11	13	17.5	19.5
SIZE	A	mm	880	980	1100	1220
	B	mm	650	700	800	900
	C	mm	440	405	510	600
	D	mm	340	355	370	470
	E	mm	450	478	700	700
	F	mm	410	420	610	630
	G	mm	568	585	850	850
WEIGHT WITHOUT WIRE ROPE	kg	170	230	407	429	760
PACKAGING MEASUREMENT	cm	100 x 60 x 70	107 x 65 x 85	121 x 81 x 100	131 x 81 x 100	171 x 92 x 115
GROSS WEIGHT	kg	225	300	496	584	1096
NETTO WEIGHT	kg	205	270	466	534	1026

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



BODY ONLY



600 - 1200 LBS



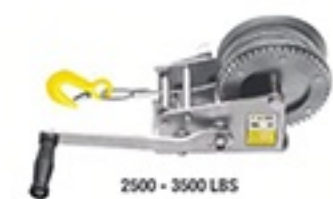
2500 - 3500 LBS

WLL		GEAR RATIO	WAY/SPEED	HANDLE LENGTH	GEAR PLATE	GROSS WEIGHT	PACKING DIMENSION
600 LBS	250 KG	3.2:1	2 WAY/1 SPEED	207 mm	94 mm	1.9 KG	19 x 12 x 14 cm
1200 LBS	540 KG	4.1:1	2 WAY/1 SPEED	207 mm	131 mm	2.7 KG	22 x 13 x 16 cm
2500 LBS	1100 KG	4.1 / 8.1	2 WAY/2 SPEED	227 mm	133 mm	4.5 KG	26 x 16 x 19 cm
3500 LBS	1600 KG	4.1 / 8.1	2 WAY/2 SPEED	227 mm	155 mm	4.8 KG	26 x 16 x 19 cm

CUSTOM SET



600 - 1200 LBS



2500 - 3500 LBS

WLL		WIRE ROPE Ø	FERRULE	THIMBLE	HOOK	GROSS WEIGHT	PACKING DIMENSION
600 LBS	250 KG	4 mm x 15 m	4 mm x 2	5 mm	0.5 TON	3.1 KG	19 x 12 x 14 cm
1200 LBS	540 KG	5 mm x 15 m	5 mm x 2	6 mm	1 TON	4.8 KG	22 x 13 x 16 cm
2500 LBS	1100 KG	6 mm x 15 m	6 mm	6 mm	1 TON	7.1 KG	26 x 16 x 19 cm
3500 LBS	1600 KG	6 mm x 15 m	6 mm	6 mm	1 TON	7.5 KG	26 x 16 x 19 cm

HEAVY DUTY
CHIEF INSPECTOR





WIRE REMOTE CONTROL



HEAVY DUTY HOOK



WIRELESS REMOTE CONTROL



MOUNTING HARDWARE



4-WAY ROLLER FAIRLEAD



OVERLOAD PROTECTOR

HEAVY DUTY
CHIEF INSPECTOR



ATTENTION:

The mounting bracket for the fairlead is not included in the 6000, 8000, 13000 lbs winches.

The Winch have to be installed a emergency switch. The Winch should be switched off electricity completely when not used.

DO



DONT



MODEL		6000	8000	13000
CAPACITY	LBS	6000	8000	13000
SINGLE LINE	KG	2722	3636	5959
LIFTING SPEED	M/MIN	5.4M/MIN	4.1M/MIN	2.4M/MIN
WIRE ROPE LENGTH	M	24	26	26
WIRE ROPE Ø	MM	7.2	8.1	9.5
DRUM SIZE	MM	64 x 134	64 x 224	64 x 224
MOTOR	HP	4.6	5.6	6.8
MOTOR TYPE		Permanent Magnet	Wound Series	Wound Series
POWER	KW	3.2	4.4	5.6
VOLTAGE	V	12	12	12
GEAR TRAIN		3 - Stage Planetary		
GEAR REDUCTION RATIO		216 : 1		
CLUTCH		Sliding Ring Gear		
DUTY CYCLE		Intermittently		
FAIRLEAD		4 - Ways Roller Fairlead		
GROSS WEIGHT	KG	24	36	40
NETTO WEIGHT	KG	22	33	37
PACKAGING MEASUREMENT	MM	510 x 345 x 260	600 x 345 x 260	600 x 345 x 260
OVERALL DIMENSION	MM	440 x 160 x 270	546 x 160 x 270	546 x 160 x 270

POWERTEC®

HEAVY DUTY LIFTING

SLING

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE

6:1 SAFETY FACTOR



▲ Polyester Multifilament Flat Webbing Slings & Polyester Multifilament Round Slings are specially manufacture to POWERTEC spesification and in accordance with EN1492-2:2000.

▲ We hereby certify that slings shown above have been inspected and comply with Quality Management System Approved to ISO9001:1994.

▲ Manufacture guaranteed against defects in material and / or workmanship

WORKING LOAD LIMITS



HEAVY DUTY

CHIEF INSPECTOR



✓	WIDTH	WLL (TON)	COLOUR	WORKING LOAD LIMITS IN TONNES				
				STRAIGHT LIFT	BASKET LIFT	CHOKER HITCH		
				M=1	M=0.8	β = 0-45°		
						M=1.4	M=2	M=1
	45MM	1		1,0	2,0	1,4	0,8	1,0
	47MM	2		2,0	4,0	2,8	1,6	2,0
	58MM	3		3,0	6,0	4,2	2,4	3,0
	72MM	4		4,0	8,0	5,6	3,2	4,0
	83MM	5		5,0	10,0	7,0	4,0	5,0
	90MM	6		6,0	12,0	8,4	4,8	6,0
	102MM	8		8,0	16,0	11,2	6,4	8,0
	116MM	10		10,0	20,0	14,0	8,0	10,0
	116MM	12		12,0	24,0	16,8	9,6	12,0
	130MM	15		15,0	30,0	21,0	12,0	15,0
	130MM	20		20,0	40,0	28,0	16,0	20,0
	175MM	25		25,0	50,0	35,0	20,0	25,0
	175MM	30		30,0	60,0	42,0	24,0	30,0
	200MM	40		40,0	80,0	56,0	32,0	40,0
	200MM	50		50,0	100,0	70,0	40,0	50,0

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

6:1 SAFETY FACTOR



▲ Polyester Multifilament Flat Webbing Slings & Polyester Multifilament Round Slings are specially manufacture to POWERTEC spesification and in accordance with EN1492-1:2000.

▲ We hereby certify that slings shown above have been inspected and comply with Quality Management System Approved to ISO9001:1994.

▲ Manufacture guaranteed against defects in material and / or workmanship

WORKING LOAD LIMITS



HEAVY DUTY

CHIEF INSPECTOR



WIDTH	WLL (TON)	COLOUR	WORKING LOAD LIMITS IN TONNES						
			STRAIGHT LIFT	CHOKED LIFT	BASKET HITCH			TWO LEGS SLING	
			M=1	M=0.8	PARALLEL	$\beta = 0-45^\circ$	$\beta = 45^\circ-60^\circ$	$\beta = 0-45^\circ$	$\beta = 45^\circ-60^\circ$
			M=1	M=0.8	M=2	M=1.4	M=1	M=1.4	M=1
25MM 2PLY	1		1,0	0,8	2,0	1,4	1,0	1,4	1,0
50MM 2PLY	2		2,0	1,6	4,0	2,8	2,0	2,8	2,0
75MM 2PLY	3		3,0	2,4	6,0	4,2	3,0	4,2	3,0
100MM 2PLY	4		4,0	3,2	8,0	5,6	4,0	5,6	4,0
125MM 2PLY	5		5,0	4,0	10,0	7,0	5,0	7,0	5,0
150MM 2PLY	6		6,0	4,8	12,0	8,4	6,0	8,4	6,0
200MM 2PLY	8		8,0	6,4	16,0	11,2	8,0	11,2	8,0
250MM 2PLY	10		10,0	8,0	20,0	14,0	10,0	14,0	10,0
300MM 2PLY	12		12,0	9,6	24,0	16,8	12,0	16,8	12,0
200MM 4PLY	16		16,0	12,8	32,0	22,4	16,0	22,4	16,0
250MM 4PLY	20		20,0	16,0	40,0	28,0	20,0	28,0	20,0
300MM 4PLY	24		24,0	19,2	48,0	33,6	24,0	33,6	24,0

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

POWERTEC®

HEAVY DUTY LIFTING

ROPE

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE

**DURABLE,
FLEXIBLE &
RESISTANT**

APPLICATION



SIZE mm	LENGTH meter
3	80
4	70
5	60
6	40

HEAVY DUTY
CHIEF INSPECTOR



**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

APPLICATION

**DURABLE,
FLEXIBLE &
RESISTANT**
Salt Water



**HEAVY DUTY
CHIEF INSPECTOR**



SIZE mm	LENGTH meter
6	±190
8	±190
10	±190
12	±190
16	±190
18	±190
24	±190
30	±190
32	±190
38	±190

**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

**DURABLE,
FLEXIBLE &
RESISTANT**

APPLICATION



HEAVY DUTY
CHIEF INSPECTOR



SIZE mm	LENGTH meter
3	±180
4	±180
5	±180
6	±180
8	±180
10	±180
12	±180
16	±180
18	±180

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

**DURABLE,
FLEXIBLE &
RESISTANT**

APPLICATION



HEAVY DUTY
CHIEF INSPECTOR

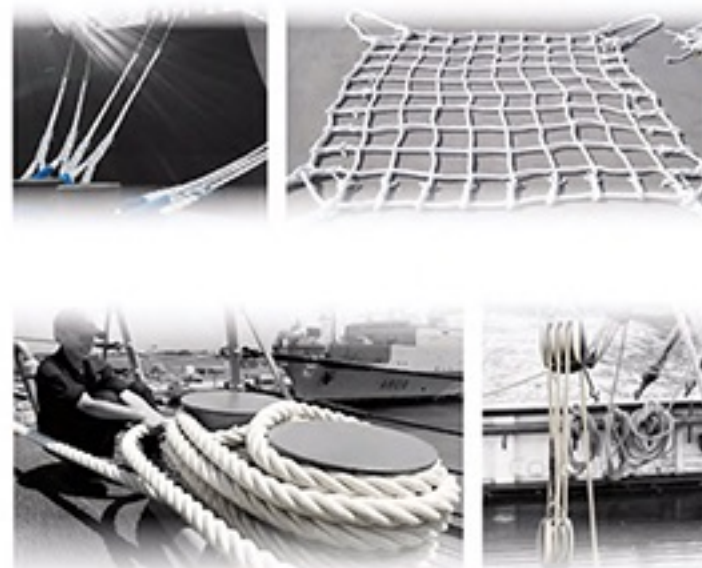


SIZE mm	LENGTH meter
6	±160
8	±140
10	±160
12	±160
16	±160
18	±160
24	±160

**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

**DURABLE,
FLEXIBLE &
RESISTANT**

APPLICATION



HEAVY DUTY
CHIEF INSPECTOR



SIZE mm	LENGTH meter
6	±200
8	±200
10	±200
12	±200
16	±200
18	±200
24	±200

**Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.*

POWERTEC®

HEAVY DUTY LIFTING

CUSTOM SLING

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE

HOW TO CUSTOMIZE CHAIN SLING

4
LENGTH
DETAILS

• SLING TYPE

1 SINGLE LEG
1 LEG



2 DOUBLE LEG
2 LEG



3 TRIPLE LEG
3 LEG



4 QUADRUPE LEG
4 LEG



CE

1

POWERTEC

• CHAIN SPECIFICATION

MATERIAL



G-80 ALLOY LOAD CHAIN

MATERIAL

TON

DIAMETER

millimeter

LONG

meter

CE

2

POWERTEC

• TOP ACCESORIES

1 MASTER LINK OVAL
A-342



2 MASTER LINK ASSEMBLY
A-345



3 CONNECTING LINK



CE

3

POWERTEC

• BOTTOM ACCESSORIES

1 CLEVIS SLING HOOK W/ LATCH



2 CLEVIS SELF LOCKING HOOK
SHUT LOCK



3 CLEVIS GRAB HOOK



4 CLEVIS SLIP HOOK W/ LATCH



CE

4

HOW TO CUSTOMIZE CHAIN SLING

4
LANGKAPAN
DIRAKTIS

• SLING TYPE

1 SINGLE LEG
1 LEG



2 DOUBLE LEG
2 LEG



3 TRIPLE LEG
3 LEG



4 QUADUPLE LEG
4 LEG



CE

1

POWERTEC®

• SWAGING PROCESS

1 SOFT EYE

WIRE CAPACITY : TON
WIRE DIAMETER : millimeter

EYE SIZE : centimeter
LONG : meter

FERRULE



1 THIMBLE EYE

WIRE CAPACITY : TON
WIRE DIAMETER : millimeter

THIMBLE SIZE : inch
LONG : meter

FERRULE



HEAVY DUTY THIMBLE

STANDARD THIMBLE



CE

2

POWERTEC®

• TOP ACCESORIES

1 MASTER LINK OVAL
A-342



2 MASTER LINK ASSEMBLY
A-345



CE

3

POWERTEC®

• BOTTOM ACCESSORIES

1 EYE HOOK HOOK



2 EYE SELF LOCKING HOOK



3 EYE SLING HOOK RELATCH



4 SWIVEL HOOK



5 SWIVEL SELF LOCKING HOOK



6 SCREW PIN ANCHOR SHACKLE
Q-209



7 SCREW PIN ANCHOR SHACKLE
Q-210



8 BOLT TYPE SHACKLE
Q-2130



9 BOLT TYPE SHACKLE
Q-2150



CE

4

POWERTEC®

HEAVY DUTY LIFTING

TROLLEY

WIRE ROPE | CHAIN | HOIST | LOAD RESTRAINT | RIGGING HARDWARE | WINCH | SLING | ROPE



*Galvanized Hand Chain 5 meter included.

**Length of chain can be provide as requested.

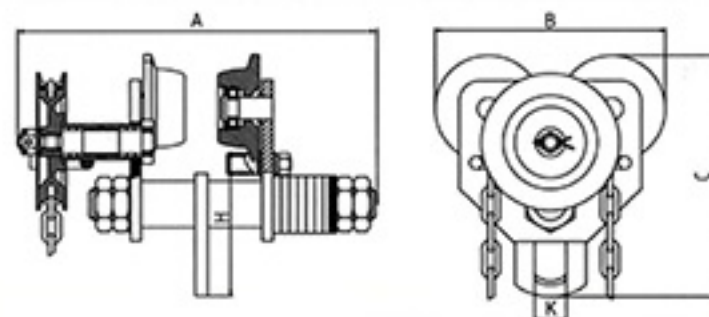
HEAVY DUTY
CHIEF INSPECTOR

▲ Simple design makes routine inspection or maintenance fast and easy.

▲ Superior Safety - Solid Body and materials.

▲ Adjustable beam width for any conditions.

▲ High impact gear case & break cover.



Capacity (t)	I-BEAM(mm)	Dimension(mm)						Net Weight (kg)
		A	B	C	H	F	K	
1T*5M	75-125mm	245,5	206	206	119	3	24	11
2T*5M	100-150mm	278,5	240	243	140	3	30,5	14,2
3T*5M	100-140mm	345,5	282	321	212	3	45	25
5T*5M	124-180mm	386,5	327	392,5	245	3	60	36,7
10T*5M	136-203mm	464,5	389	489,5	320	5	82	67

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.



HEAVY DUTY

CHIEF INSPECTOR

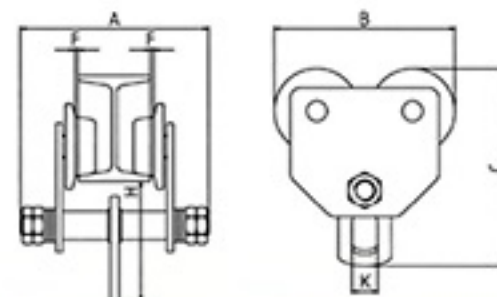


▲ Simple design makes routine inspection or maintenance fast and easy.

▲ Superior Safety - Solid Body and materials.

▲ Adjustable beam width for any conditions.

▲ Easy-to-use free accesories type features.



Capacity (t)	I-BEAM(mm)	Dimension(mm)						Net Weight (kg)
		A	B	C	H	F	K	
0.5T	75-125mm	177	170	187	114	3	24	4,2
1T	75-125mm	194	206	206	119	3	24	7
2T	100-150mm	235	240	243	140	3	30,5	10,5
3T	100-140mm	275	282	321	212	3	45	21
5T	124-180mm	338	327	392,5	245	3	60	32,7
10T	136-203mm	362	389	489,5	320	5	82	62

*Panduan ukur hanya estimasi, fisik bisa saja ada perbedaan karena adanya toleransi.

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HEAVY DUTY LIFTING