

B.W.S
Belgian Wire Services

Product catalogue 2025



Content

STEEL WIRE ROPES

1X7 AND 1X19
6X7+FC AND 6X7+IWRC
6X12+7FC AND 6X24+7FC
6X19+FC AND 6X19+IWRC
6X36 WS+FC AND 6X36 WS+IWRC
6X37+FC
18X7+IWRC
6X7+FC + PVC TRANSPARANT AND 6X7+IWRC + PVC TRANSPARANT
6X19+FC + PVC TRANSPARANT AND 6X19+IWRC + PVC TRANSPARANT
1X19 AISI 316 AND 7X7 AISI 316 AND 7X19 AISI 316
6X36 WS+FC AISI 316 AND 6X36 WS+IWRC AISI 316

TURNBUCKLES

RIGGING SCREWS DIN 1480
TURNBUCKLES JAW-JAW
CLOSED BODY RIGGING SCREWS

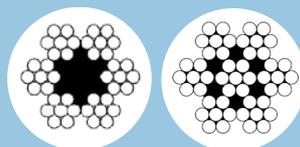
SHACKLES AND WIRE ROPE ACCESSORIES

GALVANISED DEE/BOW SHACKLES WITH SCREW PIN HIGH RESISTANCE
GALVANISED DEE/BOW SHACKLES WITH NUT AND SAFETY PIN HIGH RESISTANCE
GALVANISED DEE/BOW SHACKLES WITH SQUARE HEAD HIGH RESISTANCE .
GALVANISED DEE/BOW SHACKLES WITH SUNKEN SQUARE HEAD WITH KEY
SELF COLOURED DEE/BOW SHACKLES WITH SQUARE HEAD PIN C1045 AND SELF
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SELF COLOURED DEE/BOW SHACKLES WITH SQUARE HEAD PIN C1015 AND SELF
COLOURED DEE/BOW SHACKLES WITH COUNTERSUNK PIN C1015
GALVANISED DEE/BOW SHACKLES WITH SCREW PIN
GALVANISED WIRE ROPE CLIPS
GALVANISED THIMBLES

SPECIALS

LASHING HERCULES IN PP WITH 3 STRANDS
LASHING CHAINS
TURNBUCKLES TYPE HAMBURGER
TURNBUCKLES TYPE DECKLASHING
RATCHET LOAD BINDER WITH HOOKS
LASHING WIRE
PICTURES

Galvanised steel wire rope



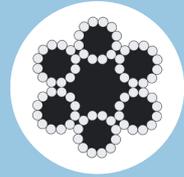
DIN 3055	Type	Construction
	6 x 7 + FIBRE CORE	(1+6)
	6 x 7 + STEEL CORE	(1+6) - (7x7)

Diameter (mm)	Minimum breaking force 1960 N/mm ²		Weight	
	6x7 (kN)	7x7 (kN)	6x7 (kg/100m)	7x7 (kg/100m)
1.0	0.77	0.76	0.36	0.4
1.5	1.46	1.71	0.8	0.9
1.8	/	2.46	1.2	1.35
2.0	2.6	3.04	1.43	1.57
2.5	4.07	4.75	2.2	2.5
3.0	5.86	6.84	3.22	3.5
4.0	10.4	12.2	5.72	6.29
5.0	16.2	19.0	8.94	9.83
6.0	23.4	27.4	12.9	14.2
8.0	41.6	45.0	22.9	25.2

Galvanised steel wire rope

Type

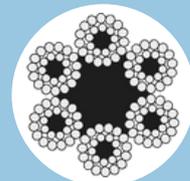
6 x 12 + 7 FIBRE CORE



DRY

Diameter (mm)	Minimum breaking force 1960 N/mm ² (kN)	Weight (kg/100m)
3	3.69	2.02
4	6.56	3.6
5	10.05	5.6
6	14.7	8.1
8	26.15	14.0
10	40.96	22.0
12	59	32.0

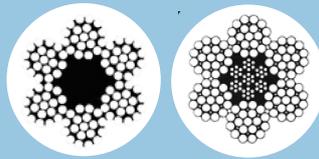
DIN 3068	Type	Construction
	6 x 24 + 7 FIBRE CORE	(FE + 9 + 15)



DRY

Diameter (mm)	Minimum breaking force 1770 N/mm ² (kN)	Weight (kg/100 m)
6	17.8	11.5
8	31.7	20.4
10	49.6	31.8
12	71.4	45.8
14	97.1	62.4
16	127	81.5
18	161	103
20	198	127
22	240	154
24	285	183
26	335	215

Galvanised steel wire rope

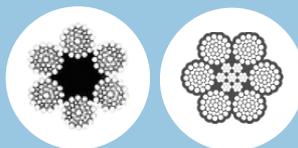


DIN 3060	Type	Construction
	6 x 19 + STANDARD + FIBRE CORE	(1 + 6 + 12)
	6 x 19 + STANDARD + STEEL CORE	(1 + 6 + 12)

DRY

Diameter (mm)	Minimum breaking force N/mm ²		Weight	
	1960 (kN)		(kg/100m)	
	6x19 +PP	6x19 +IWRC	6x19 +PP	6x19 +IWRC
3	5.42	6.39	3.11	3.42
4	9.81	11.4	5.14	6.09
5	15	17.7	8.65	9.65
6	21.7	25.5	12.5	13.8
7	29.5	34.8	17.0	18.7
8	38.5	45.3	22.1	24.3
9	48.7	57.5	28.0	30.8
10	60.2	71	34.6	37.6
11		85.9	41.9	46.1
12	86.64	102	49.8	54.8
14	118	139	67.8	74.6
16	154	182	88.6	97.4
18	195		112.0	
20	240.7		138.0	
22	291		167.0	
24	313.0		199.0	

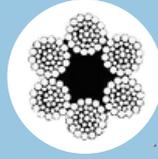
Galvanised steel wire rope



DIN 3064	Type	Construction
	6 x 36 + WARRINGTON - SEALE - FIBRE CORE	(1 + 7 + (7 + 7) + 14)
	6 x 36 + WARRINGTON - SEALE - FIBRE CORE	(1 + 7 + (7 + 7) + 14)

Diameter (mm)	Minimum breaking force N/mm ²		Weight	
	1960 (kN)		(kg/100m)	
	6x36+PP	6x36+IWRC	6x36+PP	6x36+IWRC
8	41.4	44.7	24.3	26.8
9	53.0	56.5	30.8	33.9
10	64.7	69.8	38.0	41.8
11	77.1	84.4	46.0	50.6
12	93.1	100.0	54.8	60.2
13	109.0	118.0	64.3	70.7
14	127.0	137.0	74.5	82.0
15	145.0	157.0	85.3	93.0
16	165.0	179.0	97.3	107.0
18	200.0	218.0	118.0	135.0
19	233.0	252.0	127.0	144.0
20	254.0	279.0	152.0	167.0
22	313.0	338.0	184.0	202.0
24	373.0	402.0	219.0	241.0
26	437.0	472.0	257.0	283.0
28	507.0	547.0	298.0	328.0
30	582.0	628.0	342.0	376.0
32	662.3	715.0	389.0	428.0
34	747.0	807.0	440.0	482.0
36	838.3	904.0	493.0	516.0
38	934.0	1010.0	549.0	575.0
40	1035.0	1120.0	608.0	637.0
42	1140.0	1230.0	670.0	737.0
44	1252.0	1350.0	736.0	771.0
48	1490.0	1610.0	876.0	917.0
52	1748.0	1890.0	1030.0	1080.0

Galvanised steel wire rope



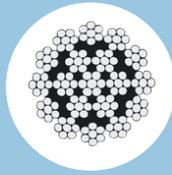
DIN 3066	Type	Construction
	6 x 37 + FIBRE CORE	(1 + 6 + 12 + 18)

DRY

Diameter (mm)	Minimum breaking force 1960 N/mm ²	Weight
	(kN)	(kg/100m)
6	20.8	12.5
8	37	22
9	46.8	28
10	57.8	34.6
12	83.3	49.8
14	113.3	67.8
16	148	88.6
18	187.3	112
20	231.3	138
22	278	167
24	333	199
26	353	234
28	453.3	271

Diameter (mm)	Minimum breaking force 1770 N/mm ²	Weight
	(kN)	(kg/100m)
30	470	311
32	534	354
36	676	448
40	835	554
44	1010	670
48	1200	797

Galvanised steel wire rope

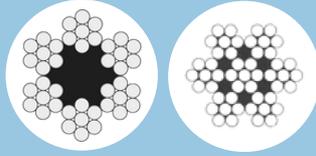


DIN 3069	Type	Construction	
	18 x 7 + STEEL CORE	(1 + 6)	(19 x 7)

GREASED A1

Diameter (mm)	Minimum breaking force 1960 N/mm ²	Weight
	(kN)	(kg/100m)
4	11.9	6.45
5	15.95	10
6	22.99	14.5
7	31.35	19.7
8	40.92	25.7
9	51.7	32.6
10	63.91	40.2
11	77.33	48.6
12	91.96	57.9
13	107.9	67.9
14	125.4	78.8
16	163.9	103
18	206.8	130
20	255.2	161
22	309.1	195
24	368.5	231

Galvanised steel wire rope



DIN 3055	Type	Construction
	6 x 7 + FIBRE CORE + TRANSPARANT PVC	(1 + 6)

Diameter (mm)	Minimum breaking force 1960 N/mm ²	Weight
	(kN)	(kg/100m)
1.5-2.5	1.46	1.5
2-3	2.6	1.7
2-4	2.6	1.9
2-6	2.6	4.63
3-4	5.86	3.7
3-5	5.86	5.1
4-5	10.4	5.5
4-6	10.4	7.1
5-6	16.2	10.8
5-7	16.2	11.2
6-8	23.3	13.5

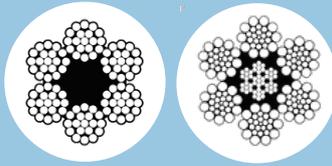
ON DEMAND ALSO AVAILABLE IN RED + BLACK PVC

DIN 3055	Type	Construction
	6 x 7 + STEEL CORE + TRANSPARANT PVC	(1 + 6) (7 x 7)

Diameter (mm)	Minimum breaking force 1960 N/mm ²	Weight
	(kN)	(kg/100m)
2-3	3.04	2.1
3-4	5.86	4.0
4-5	11.3	7.5
6-8	25.3	16

ON DEMAND ALSO AVAILABLE IN RED + BLACK PVC

Galvanised steel wire rope

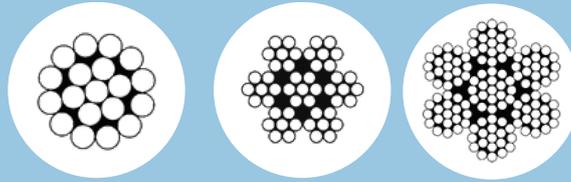


DIN 3060	Type	Construction
	6 x 19 + FIBRE CORE + TRANSPARANT PVC	(1 + 6 + 12)
	6 x 19 + STEEL CORE + TRANSPARANT PVC	(1 + 6 + 12)

Diameter (mm)	Minimum breaking force 1960 N/mm ²	Weight
	(kN)	(kg/100m)
	6x19 + PP + PVC	6x19 + PP + PVC
6-8	21.7	15.1
8-10	38.5	28
10-12	60.2	42
12-14	86.64	58

ON DEMAND ALSO AVAILABLE IN RED PVC

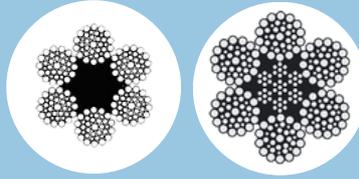
Stainless steel wire rope



	Type	Construction
DIN 3053	1 x 19	AISI 316
DIN 3055	7 x 7	AISI 316
DIN 3060	7 x 19	AISI 316

Diameter (mm)	Minimum breaking force 1960 N/mm ²			Weight		
	(kN)			(kg/100m)		
	RVS 1x19	RVS 7x7	RVS 7x19	RVS 1x19	RVS 7x7	RVS 7x19
1.0	0.825	0.563		0.5	0.42	
1.5	1.86	1.269		1.15	0.95	
2.0	3.3	2.256	2.08	2.04	1.68	1.64
2.5	5.15	3.52	3.26	3.19	2.63	2.58
3.0	7.42	5.08	4.69	4.59	3.78	3.69
4.0	13.2	9.022	8.34	8.16	6.72	6.56
5.0	20.6	14.1	13.02	12.75	10.5	10.25
6.0	29.7	20.3	18.75	18.4	15.12	14.76
7.0	40.2	27.65	25.52	24.3	20.58	20.1
8.0	53.0	36.1	33.3	31.7	26.88	26.24
10.0	83.5	55.9	52.1	49.5	38.4	41.0
12.0		81.1	75.0		55.3	59.04
14.0			102.0			74.6
16.0			133			97.4
20.0			208			152

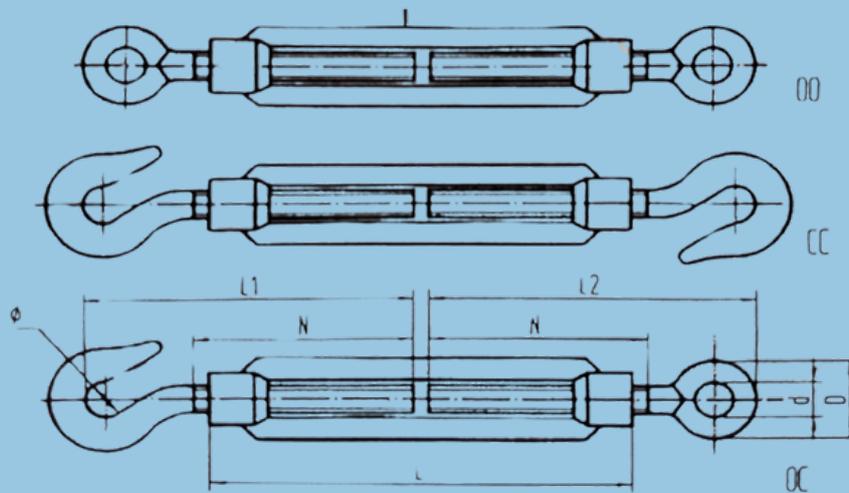
Stainless steel wire rope



DIN 3064	Type	Construction
	6 x 36 + WARRINGTON - SEALE - FIBRE CORE	AISI 316
	6 x 36 + WARRINGTON - SEALE - STEEL CORE	AISI 316

Diameter (mm)	Minimum breaking force 1960 N/mm ²		Weight	
	(kN)		(kg/100m)	
	6x36 + PP	6x36 + IWRC	6x36 + PP	6x36 + IWRC
10	51.8	55.9	36.5	40.9
12	74.6	80.5	52.8	58.9
14	102.0	110.0	71.9	80.2
16	133.0	143.0	94.0	105.0
18	168.0	181.0	119.0	133.0
20	207.0	224.0	147.0	164.0
22	251.0	271.0	178.0	198.0
24	298.0	322.0	211.0	236.0
26	328.0	354.0	248.0	276.0
28	380.0	410.0	288.0	321.0
30	437.0	471.0	330.0	368.0

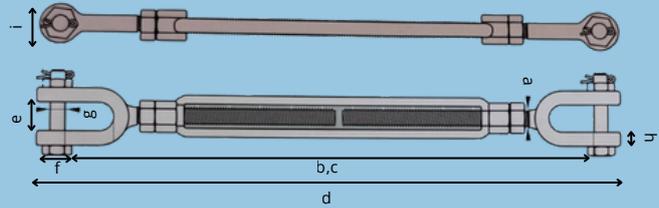
RIGGING SCREWS DIN1480 - C1015



M	L (mm)	diam D (mm)	d (mm)	L2 (mm)	diam (mm)	N (mm)	L1 (mm)	HOOK/HOOK HOOK/EYE		EYE/EYE	
								SWL (ton)	ABL (ton)	SWL (ton)	ABL (ton)
6	110	20	9	80	8	55	77	0.07	0.24	0.07	0.8
8	110	22	10	85	10.5	57	85	0.14	0.41	0.14	1.6
10	125	31	14	105	13	68	106	0.22	0.62	0.22	2.6
11	125	33	15	108	15	68	110	0.26	0.75	0.26	3
12	125	35	16	116	16	70	117	0.31	0.85	0.31	3.5
14	140	40	18	124	18	75	124	0.45	1.2	0.45	4.5
16	170	47	22	150	20	88	144	0.6	1.9	0.6	5.5
20	200	52	24	168	21	105	170	0.91	2.5	0.91	8.6
22	220	60	28	190	24	118	200	1.1	3.7	1.1	9
24	255	65	28	212	26	135	215	1.3	4.5	1.3	14
30	255	71	31	234	34	135	235	1.6	5.5	1.6	19
32	295	89	36	253	36	148	270	2.2	7.2	2.2	25
36	295	93	36	285	38	158	280	2.3	8.5	2.9	31

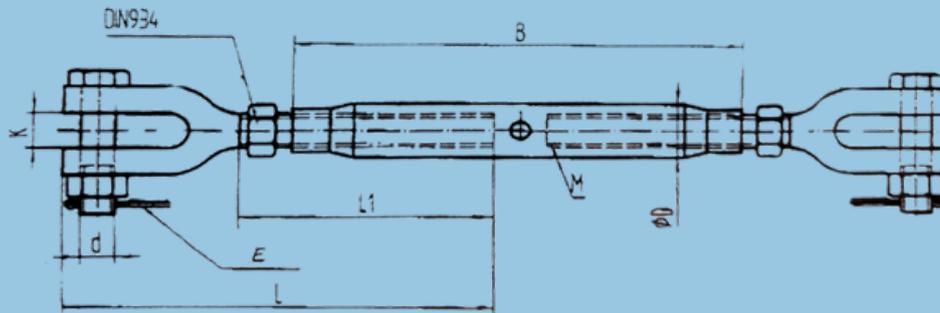
TURNBUCKLES JAW - JAW WITH SAFETY BOLT

ASTM F1145-92



working load limit	diameter thread	take up	length closed position	length open position	length closed position	opening jaw	length inside	diameter pin	thickness jaw eye	diameter jaw eye	weight each
(ton)	a (inch)	(inch)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	h (mm)	i (mm)	(kg)
0.54	3/8	6	305	409	305	12	21	8	9	21	0.57
1.0	1/2	6	330	587	418	16	26	10	11	26	0.96
1.0	1/2	9	380	682	469	18	26	10	11	26	1.18
1.0	1/2	12	457	914	533	20	26	10	11	26	1.5
1.59	5/8	6	346	469	494	18	32	13	14	33	1.5
1.59	5/8	9	421	622	481	18	32	13	14	33	2.12
2.36	3/4	6	366	487	556	18	32	13	14	33	2.56
2.36	3/4	9	442	597	610	24	38	16	16	41	3.0
2.36	3/4	12	508	791	846	24	38	16	16	41	3.03
2.36	3/4	18	671	1095	1095	24	38	16	16	41	4.65
3.27	7/8	12	559	825	636	27	42	19	19	48	3.65
3.27	7/8	16	712	1101	853	27	42	19	19	48	4.8
4.54	1	6	447	555	532	30	50	22	20	55	5.21
4.54	1	12	598	859	683	30	50	22	20	55	6.96
4.54	1	18	750	1164	965	30	50	22	20	55	8.4
4.54	1	24	902	1469	1184	30	50	22	20	55	8.9
6.9	1 1/4	12	641	916	900	44	71	28	26	68	11.9
6.9	1 1/4	18	793	1218	1069	44	71	28	26	68	13.6
6.9	1 1/4	24	961	1538	1306	44	71	28	26	68	14.2
9.71	1 1/2	12	675	895	806	52	71	35	28	80	16.9
9.71	1 1/2	24	980	1550	1111	52	71	35	28	80	20.7
12.7	1 3/4	18	1084	1614	1246	59	66	42	33	90	28.7
12.7	1 3/4	24	1153	1672	1338	63	93	50	41	108	45.4
16.8	2	24	1254	1830	1479	75	114	57	41	143	98.0
27.2	2 1/2	24	1305	1878	1561	90	110	70	41	158	98.0

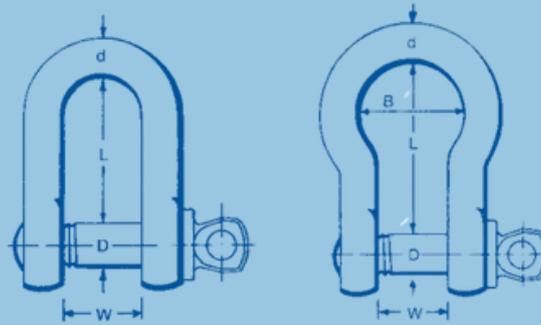
Closed body rigging screws - Jaw - Jaw



M (mm)	B (mm)	L (mm)	L1 (mm)	K (mm)	diam D (mm)	d (mm)	E (mm)	SWL (ton)	ABL (ton)
6	100	92	54	7.0	14.5	5	1.5x20	0.2	1.1
8	108	106	59	9.0	17.0	6	2x20	0.25	1.4
10	125	120	68	10.5	21.0	8	2x20	0.3	1.7
12	195	169	106	13.0	24.5	10	2.5x25	0.6	3.4
16	230	207	122	18.0	29.5	12	3x30	0.7	4.5
20	270	243	145	20.0	33.0	16	4x40	1.1	6.0
22	295	268	165	25.0	35.6	20	4x40	2.0	13.0
24	325	298	180	30.0	42.0	22	4x45	3.0	16.0
27	325	300	180	28.0	44.0	24	5x60	3.9	
33	370	378	220	38.0	57.0	30	6x70	4.8	
39	400	400	235	45.0	54.0	33	6x70	6.0	

MBL EQUALS 5XWLL

Galvanised dee / Bow shackles with screw pin high resistance

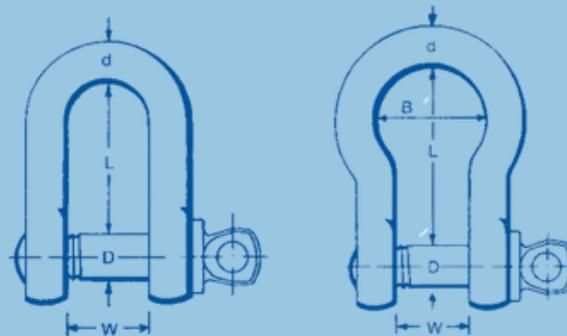


WLL	d	D	W	B	L	L	Weight
CMU					DEE	BOW	
(ton)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/100)
0.33	5	6	9.5	16	19	22.0	2
0.5	7	8	12.0	20	25	29.0	6
0.75	9	10	13.5	21	27	32.0	11
1.0	10	11	17.0	26	31	36.5	15
1.5	11	12	18.5	29	37	43.0	21
2.0	13	16	22.0	32	43	51.0	37
3.25	16	19	27.0	43	51	64.0	65
4.75	19	22	31.0	51	59	76.0	106
6.5	22	25	36.0	58	73	83.0	156
8.5	25	28	43.0	68	85	95.0	232
9.5	28	32	47.0	75	90	108.0	328
12.0	32	35	51.0	83	94	115.0	451
13.5	35	38	57.0	92	115	133.0	593
17.0	38	42	60.0	99	127	146.0	789
25.0	45	50	74.0	126	149	178.0	1340
35.0	50	57	83.0	138	171	197.0	1885
55.0	65	70	105.0	180	203	260.0	3786

WLL = WORKING LOAD LIMIT CMU= CHARGE MAXIMALE D'UTILISATION

SAFETY FACTOR : 6 TIMES WLL = MINIMUM BREAKING STRENGTH EXCEPTION:
25T- 35T- 55T IS THE SAFETY FACTOR 4 TIMES WLL

Galvanised dee / bow shackles with nut and safety pin high resistance



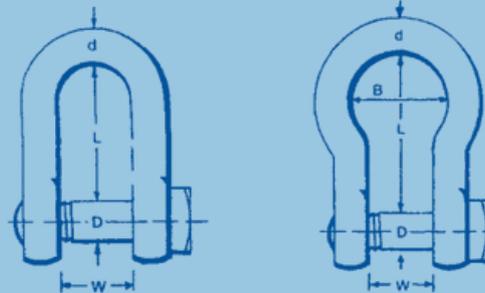
WLL	d	D	W	B	L	L	Weight
CMU					DEE	BOW	
(ton)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/100)
0.5	7	8	12	20	25	29	7
0.75	9	10	13	21	27	32	13
1.0	10	11	17	26	31	37	17
1.5	11	12	19	29	37	43	25
2.0	13	16	22	32	43	51	44
3.25	16	19	27	43	51	64	79
4.75	19	22	31	51	59	76	126
6.5	22	25	36	58	73	83	188
8.5	25	28	43	68	85	95	278
9.5	28	32	47	75	90	108	387
12.0	32	35	51	83	94	115	526
13.5	35	38	57	92	115	133	694
17.0	38	42	60	99	127	146	879
25.0	45	50	74	126	149	178	1499
35.0	50	57	83	138	171	197	2065
55.0	65	70	105	180	203	260	4105

WLL = WORKING LOAD LIMIT CMU= CHARGE MAXIMALE D'UTILISATION

SAFETY FACTOR :6 TIMES WLL = MINIMUM BREAKING STRENGTH
EXCEPTION:25T- 35T- 55T IS THE SAFETY FACTOR 4 TIMES WLL

FISHERY SHACKLES

Galvanised dee / bow shackles with square head pin high resistance



WLL	d	D	W	B	L	L	Weight
CMU					DEE	BOW	
(ton)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/100)
2.0	13	16	22	32	43	51	34
3.25	16	19	27	43	51	64	63
4.75	19	22	31	51	59	76	95
6.5	22	25	36	58	73	83	155
8.5	25	28	43	68	85	95	230
9.5	28	32	47	75	90	108	324
12.0	32	35	51	83	94	115	440
13.5	35	38	57	92	115	133	600
17.0	38	42	60	99	127	146	750
25.0	45	50	74	126	149	178	1400

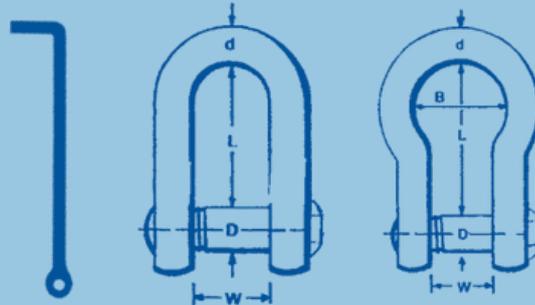
WLL = WORKING LOAD LIMIT CMU= CHARGE MAXIMALE D'UTILISATION

SAFETY FACTOR :6 TIMES WLL = MINIMUM BREAKING STRENGTH

EXCEPTION:25T IS THE SAFETY FACTOR 4 TIMES WLL

FISHERY SHACKLES

Galvanised dee / bow shackles with sunken square head pun with key



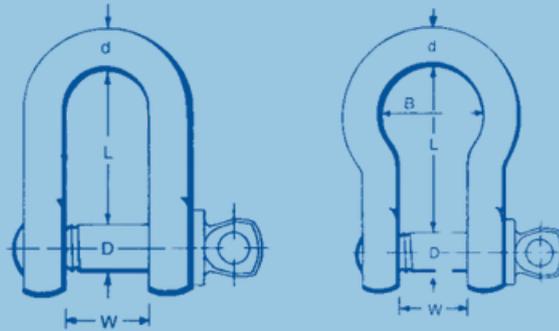
WLL	d	D	W	B	L	L	Weight
CMU					DEE	BOW	
(ton)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/100)
2.0	13	16	22	32	43	51	32
3.25	16	19	27	43	51	64	55
4.75	19	22	31	51	59	76	88
6.5	22	25	36	58	73	83	137
8.5	25	28	43	68	85	95	205
9.5	28	32	47	75	90	108	284
12.0	32	35	51	83	94	115	386
13.5	35	38	57	92	115	133	517
17.0	38	42	60	99	127	146	684

WLL = WORKING LOAD LIMIT CMU= CHARGE MAXIMALE D'UTILISATION

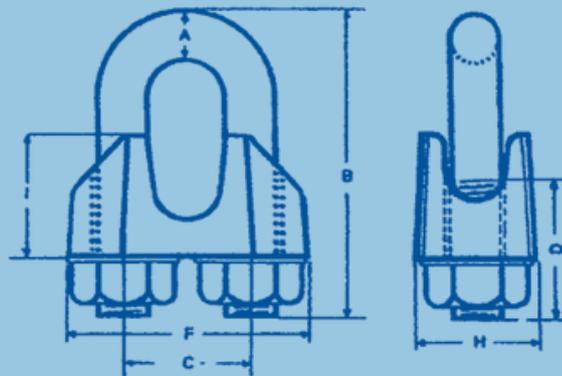
SAFETY FACTOR: 6 TIMES WLL = MINIMUM BREAKING STRENGTH

COMMERCIAL SHACKLES

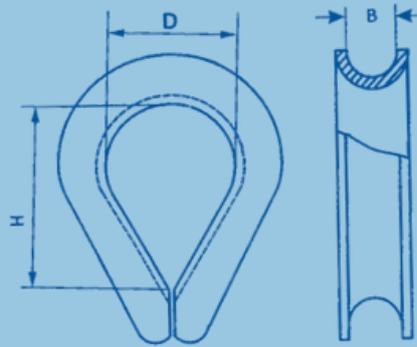
Galvanised dee / bow shackles with screw pin



d	D	W	B	L	Weight
				DEE	
(mm)	(mm)	(mm)	(mm)	(mm)	(kg/100)
5	5	10	15	21	1.8
6	6	12	18	25	3.2
8	8	16	24	33	7.0
10	10	20	30	42	13.0
12	12	25	39	52	24.0
14	14	28	42	58	36.0
16	16	32	48	67	50.0
19	19	38	57	80	92.0
22	22	44	66	92	140.0
25	25	51	75	107	210.0
28	28	56	84	117	300.0
32	32	64	96	134	450.0
35	35	70	105	147	570.0
38	38	76	114	160	675.0
45	45	90	135	180	1250.0
50	50	100	150	200	1750.0



Diameter (mm)	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	H (mm)	I (mm)	Weight (kg/100)
3	4	20	9	12	21	10	10	1.4
5	5	24	11	13	23	11	10	1.5
6	5	28	13	15	26	12	11	2.1
8	6	34	16	19	30	14	15	4.1
10	8	42	19	22	34	18	17	6.8
11	8	44	20	22	36	19	18	7.2
13	10	55	24	30	42	23	21	13.0
14	10	57	25	30	44	23	22	13.5
16	12	63	29	33	50	26	26	21.0
19	12	75	32	38	54	29	30	28.0
22	14	85	37	44	61	33	34	40.0
26	14	95	41	45	65	35	37	44.0
30	16	110	48	50	74	37	43	66.0
34	16	120	52	55	80	42	50	85.0
40	16	140	58	60	88	45	55	104.0



WLL				Weight
Diameter (mm)	B (mm)	H (mm)	D (mm)	(kg/100)
2,5 X 3	3	19	12	0.5
3,5 X 4	4	21	13	0.8
4 X 5	4	23	14	1.0
5 X 6	6	25	16	1.6
6 X 7	7	28	18	1.9
7 X 8	8	32	20	3.0
9 X 10	10	38	24	4.7
11 X 12	12	45	28	6.8
13 X 14	14	51	32	10.0
15 X 16	16	58	36	14.5
17 X 18	18	64	40	18.0
18 X 20	20	72	45	29.0
20 X 22	22	80	50	32.0
22 X 24	24	90	56	47.0
24 X 26	26	99	62	59.0
26 X 28	28	112	70	80.0
28 X 30	30	120	75	110.0
30 X 32	32	128	80	123.0
32 X 34	34	152	95	156.0
34 X 36	36	160	100	176.0
36 X 38	38	176	110	192.0

LASHING Hercules in PP with 3 strands

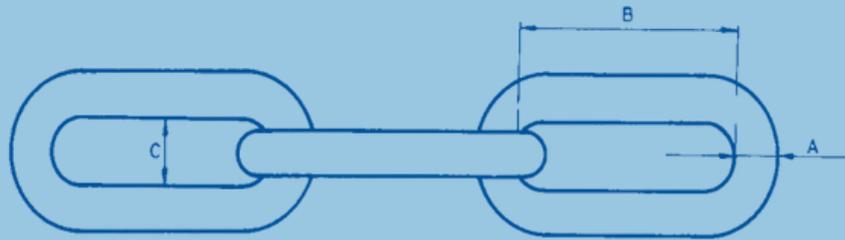


	Minimum breaking force 1960 N/mm ²	Weight
Diameter (mm)	(kN)	(kg/100m)
8	9.41	4
10	13.97	8.6
12	19.90	11.5

PP - multicolour

	Minimum breaking force 1960 N/mm ²	Weight
Diameter (mm)	(kN)	(kg/100m)
8 - 220	9.8	2.72

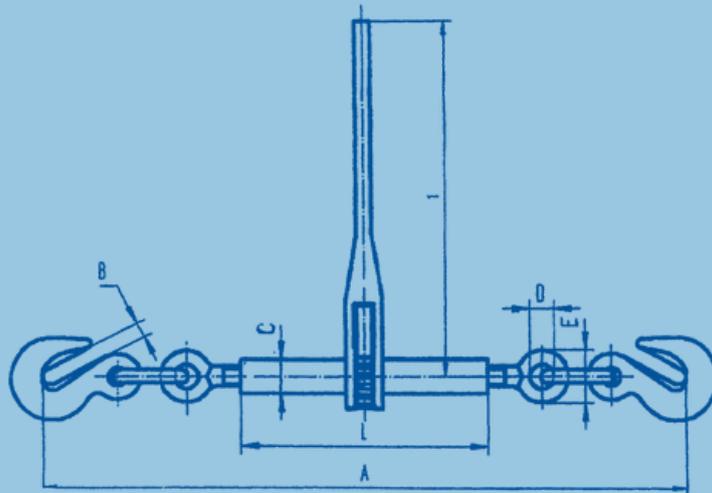
LASHING chains



	Minimum breaking force 1960 N/mm ²	Weight
Diameter (mm)	(kN)	(kg/100m)
8	9.41	4
10	13.97	8.6
12	19.90	11.5

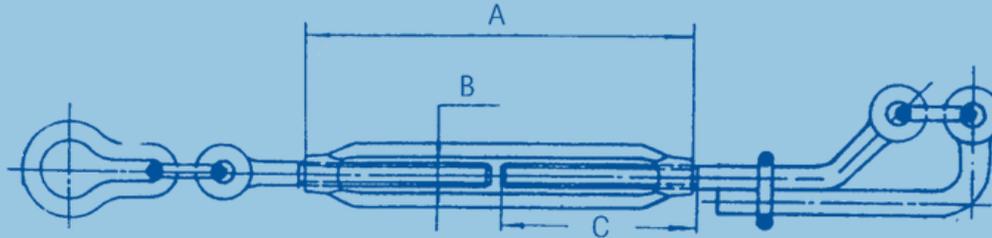


Ratchet load binder with hooks



Diameter (mm)	H (mm)	C (mm)	L (mm)	A (mm)	B (mm)	D (mm)	E (mm)	Gewicht (kg/100)
8 X 10	360	34	250	592 - 782	12.5	20	52	480
10 X 13	360	34	250	614 - 804	14.5	20	52	530
13 X 16	360	36	250	670 - 860	18.0	24	61	720

Turnbuckle type: decklashing



	A	B	C	Breaking load	Weight
Diameter (mm)	(mm)	(mm)	(mm)	ton	(kg/100m)
M32 x 565	565	M32	285	18	1800

LASHING wire



Construction	Diameter	Minimum breaking force	Weight
(mm)	(mm)	(kN)	(kg/100)
6x12+7FC	8	19.6	14
6x12+7FC	10	29.41	22
6x12+7FC	12	46.08	28
6x12+7FC	14	58.85	43
6x12+7FC	16	78.43	50
6x12+7FC	18	98.04	75
6x12+7FC	20	117.64	86
6x19+FC	16	137.25	75



