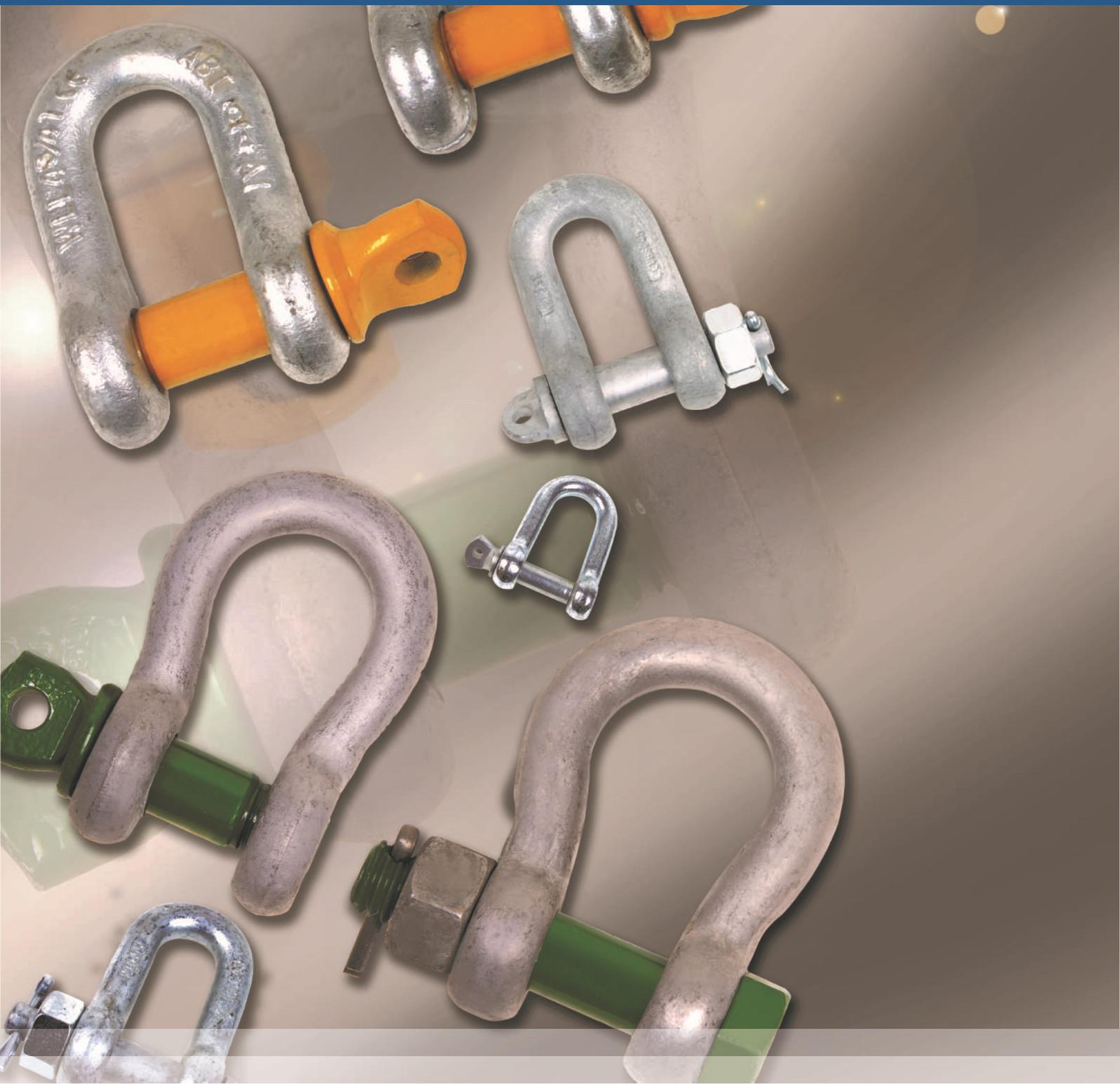


SHACKLES, SWIVELS AND SNATCH BLOCKS



SAE / Green pin shackles »

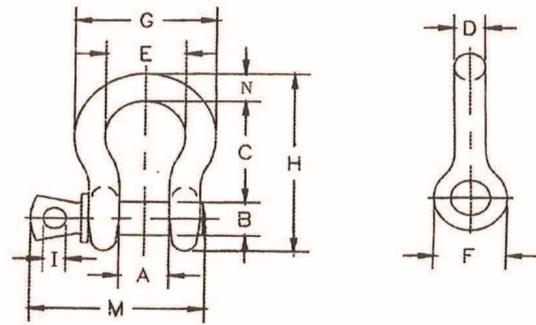
DIN 82101, stainless steel and chain shackles »

Snatch blocks / Pulley wheels »



SHACKLES, SAE - BOW MODEL G209

- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1

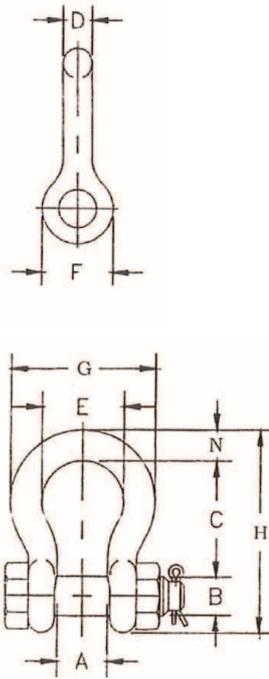


WLL	A	B	C	D	E	F	G	H	I	M	N	Weight/ pcs	Product code
t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
0,33	10	7	22	5	15	14	25	38	4	29	5	0,03	SAK03PBP
0,50	12	8	29	7	20	16	33	47	5	35	5	0,05	SAK05PBP
0,75	14	10	31	8	22	19	38	53	6	42	8	0,09	SAK07PBP
1,00	17	11	37	10	26	23	45	63	7	52	10	0,14	SAK10PBP
1,50	19	13	43	11	30	27	52	74	8	61	11	0,17	SAK15PBP
2,00	21	16	48	13	34	30	59	84	10	69	13	0,33	SAK20PBP
3,25	27	19	61	16	43	38	75	106	11	85	18	0,62	SAK32PBP
4,75	32	23	72	19	51	46	89	126	13	101	21	1,07	SAK47PBP
6,50	37	26	84	23	58	53	102	148	13	114	25	1,64	SAK65PBP
8,50	43	29	96	26	69	61	119	167	14	129	27	2,28	SAK85PBP
9,50	46	32	108	30	74	69	131	190	16	142	32	3,36	SAK95PBP
12,00	52	35	119	33	93	76	146	210	18	156	35	4,31	SAK120PBP
13,50	57	38	133	36	92	84	162	233	19	174	38	6,14	SAK135PBP
17,00	61	42	146	39	99	92	175	254	21	187	41	7,80	SAK170PBP
25,00	73	51	178	47	127	106	225	313	26	231	57	12,60	SAK250PBP
35,00	83	57	197	53	146	122	253	348	31	263	61	20,40	SAK350PBP
55,00	105	70	267	69	184	145	327	453	35	330	80	38,90	SAK550PBP
85,00	127	82	330	76	200	165	367	546	38	490	105	70,00	SAK850PBP

SHACKLES, SAE - BOW MODEL WITH LOCKING G2130



- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1

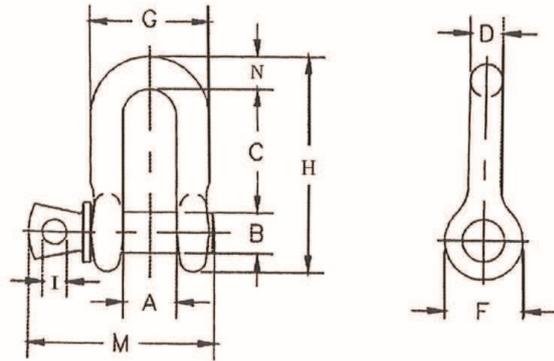


WLL	A	B	C	D	E	F	G	H	N	Weight/ pcs	Product code
t	mm	kg									
0,50	12	8	29	7	20	16	33	47	7	0,05	SAK05PLBP
0,75	14	10	31	8	22	19	38	53	8	0,10	SAK07PLBP
1,00	17	11	37	10	26	23	45	63	10	0,15	SAK10PLBP
1,50	19	13	43	11	30	27	52	74	11	0,22	SAK15PLBP
2,00	21	16	48	13	34	30	59	84	13	0,36	SAK20PLBP
3,25	27	19	61	16	43	38	75	106	18	0,76	SAK32PLBP
4,75	32	23	72	19	51	46	89	126	21	1,23	SAK47PLBP
6,50	37	26	84	23	58	53	102	148	25	1,79	SAK65PLBP
8,50	43	29	96	26	69	61	119	167	27	2,57	SAK85PLBP
9,50	46	32	108	29	74	69	131	190	32	3,75	SAK95PLBP
12,00	52	35	119	32	83	76	146	210	35	5,31	SAK120PLBP
13,50	57	38	133	35	92	84	162	233	38	7,18	SAK135PLBP
17,00	61	42	146	38	99	92	175	254	41	9,43	SAK170PLBP
25,00	73	51	178	45	127	106	225	313	57	15,40	SAK250PLBP
35,00	83	57	197	51	146	122	256	348	61	23,70	SAK350PLBP
55,00	105	70	267	67	184	145	327	453	80	44,61	SAK550PLBP
85,00	127	83	330	76	200	165	365	546	92	70,00	SAK850PLBP
120,00	133	96	372	92	229	203	419	626	105	120,0	SAK1200PLBP
150,00	140	108	368	104	254	229	468	653	116	153	SAK1500PLBP



SHACKLES, SAE - DEE MODEL G210

- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1

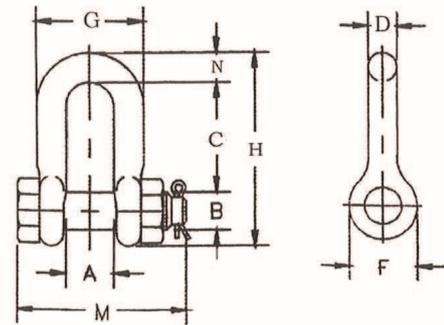


WLL	A	B	C	D	F	G	H	I	M	Weight/ pcs	Product code
t	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
0,33	10	7	16	5	14	20	31	4	29	0,02	SAK03SBP
0,50	12	8	23	7	16	25	41	5	35	0,05	SAK05SBP
0,75	14	10	26	8	19	30	49	6	42	0,08	SAK07SBP
1,00	17	11	32	10	23	36	59	7	52	0,13	SAK10SBP
1,50	19	13	37	11	27	42	68	8	61	0,20	SAK15SBP
2,00	21	16	42	13	30	46	77	10	69	0,27	SAK20SBP
3,25	27	19	51	16	37	59	96	11	85	0,57	SAK32SBP
4,75	32	23	61	19	46	70	115	13	101	1,20	SAK47SBP
6,50	37	26	72	23	53	81	135	13	114	1,43	SAK65SBP
8,50	43	29	81	25	61	94	151	14	129	2,15	SAK85SBP
9,50	46	32	91	29	69	103	172	16	142	3,06	SAK95SBP
12,00	52	35	100	32	76	115	191	18	156	4,11	SAK120SBP
13,50	57	38	111	35	84	127	210	19	174	5,28	SAK135SBP
17,00	61	42	122	38	92	137	230	21	187	7,23	SAK170SBP
25,00	73	51	146	45	106	162	279	26	231	12,10	SAK250SBP
35,00	83	57	172	51	122	184	312	31	263	19,20	SAK350SBP
55,00	105	70	203	67	145	238	377	35	330	32,50	SAK550SBP

SHACKLES, SAE - DEE MODEL WITH LOCKING G2150



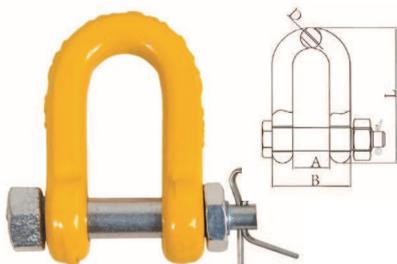
- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1



WLL	A	B	C	D	F	G	H	M	N	Weight/ pcs	Product code
t	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
0,50	12	8	19	7	16	25	41	40	7	0,06	SAK05SLBP
0,75	14	10	26	8	19	30	49	46	8	0,10	SAK07SLBP
1,00	17	11	31	10	23	36	59	55	10	0,15	SAK10SLBP
1,50	19	13	36	11	27	41	68	64	11	0,22	SAK15SLBP
2,00	21	16	42	13	30	46	77	71	13	0,34	SAK20SLBP
3,25	27	19	51	16	38	59	96	90	16	0,67	SAK32SLBP
4,75	32	23	61	19	46	70	115	103	21	1,14	SAK47SLBP
6,50	37	26	72	23	53	81	135	120	25	1,74	SAK65SLBP
8,50	43	29	81	26	61	94	151	135	26	2,52	SAK85SLBP
9,50	46	32	91	29	69	103	172	150	32	3,45	SAK95SLBP
12,00	52	35	100	32	76	115	191	165	35	4,90	SAK120SLBP
13,50	57	38	111	35	84	127	210	183	38	6,24	SAK135SLBP
17,00	61	42	122	38	92	137	230	196	42	8,39	SAK170SLBP
25,00	73	51	146	45	106	162	279	230	54	14,20	SAK250SLBP
35,00	82	57	172	51	122	184	312	264	51	21,20	SAK350SLBP
55,00	105	70	203	67	145	238	377	344	67	38,60	SAK550SLBP
85,00	127	83	216	76	165	279	429	419	89	56,00	SAK850SLBP
120,00	133	96	240	92	203	320	500	510	102	95,00	SAK1200SLBP

CHAIN SHACKLES

- can be joined directly to a lifting chain without a connecting link
- paint coated
- safety factor 4 : 1



For chain	WLL	A	B	D	L	Weight	Product code
mm	t	mm	mm	mm	mm	kg	
7/8	2,00	15	32	9	56	0,14	SAKSA78
10	3,15	21	43	11,5	71	0,27	SAKSA10
13	5,30	25	51	14,5	91	0,50	SAKSA13
16	8,00	30	63	17,5	111	0,89	SAKSA16

SNATCH BLOCKS 0,5 - 5,0T



- one- or two-wheel side opening snatch blocks for steel wire rope
- with hook ends
- with slide bearings, with grease nipple or aperture
- powder coated
- safety factor 4 : 1

WLL	Max. rope diameter	Wheel diameter	L-size	Weight	Product code	Product code
t	mm	mm	mm	kg	1-wheel	2-wheel
0,5	8	75	225	1,7	VAP050075	-
1,0	10	100	260	3,2	VAP1000100	-
1,5	13	125	310	5,0	VAP1500125	-
2,0	16	150	380	8,3	VAP2000150	-
3,0	19	180	415	12,0	VAP3000180	VAP30180K2
4,0	22	200	480	18,0	VAP4000200	VAP40200K2
5,0	25	250	585	27,0	VAP5000250	VAP50250K2

Also other sizes available with 3-4 weeks delivery time.

SNATCH BLOCKS 4,0 - 22,0T



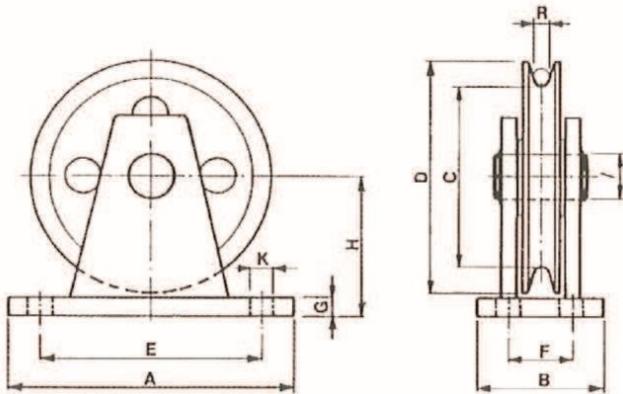
- one-wheel side opening heavy duty snatch blocks for steel wire rope
- ball bearing and with grease nipple (4 t model with slide bearing)
- safety factor 4 : 1

WLL	Max. rope diameter	Wheel diameter	L-size	Weight	Product code
t	mm	mm	mm	kg	With shackle
4	16 - 18	150	390	6	VAP4150S
8	20 - 22	200	505	16	VAP8200S
12	24 - 26	300	730	32	VAP12300S
22	28 - 32	360	910	89	VAP22360S

Also other sizes available with 3-4 weeks delivery time.

PULLEY WHEELS WITH BASE

- one-wheel pulleys with base attachment
- slide bearing
- electro galvanized / ground coating
- safety factor 4 : 1



WLL	Max. rope diameter	A	B	C	D	E	F	G	H	I	K	Weight	Product code
t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
0,5	8	120	60	78	100	90	30	8	60	20	10	1,5	VAP05JAL
1,0	10	140	60	98	125	110	35	10	77	25	12	2,4	VAP10JAL
2,0	12	180	80	118	150	140	40	12	92	30	14	4,5	VAP20JAL
3,0	16	230	100	160	200	180	50	15	120	35	18	8,2	VAP30JAL
5,0	20	320	120	225	275	260	60	20	165	40	23	18,0	VAP50JAL

PULLEY WHEELS

- one-wheel pulley with slide bearings
- ground coating
- safety factor 4 : 1



WLL	Max. rope diameter	Wheel diameter	Axle diameter	Weight	Product code
t	mm	mm	mm	kg	
0,5	8	100	20	0,8	VAPY05
1,0	10	125	25	1,5	VAPY10
2,0	12	150	30	3,0	VAPY20
3,0	16	200	35	6,0	VAPY30
5,0	20	275	40	13,0	VAPY50

SHACKLE G-209

Design: Screw pin anchor shackle.

Material: Carbon steel with headbolt in alloy steel.

Marking: WLL.

Proof load: 2 x WLL.

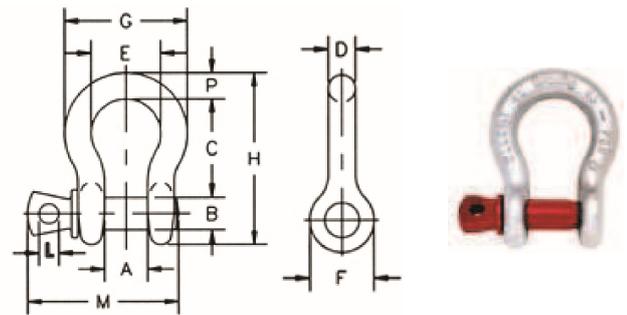
Finish: Galvanized with painted bolt.

Safety factor: 6:1.



25t and up

Crosby



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

CROSBY SHACKLE G-2130

Design: Bolt type anchor shackle. Headbolt with nut and pin.

Forged according to U.S. specification RR-C-271.

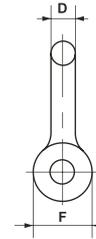
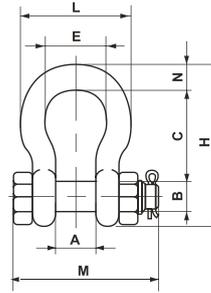
Material: Carbon steel with headbolt in alloy steel.

Marking: WLL, RFID chip for 25T and higher.

Proof load: 2 x WLL.

Finish: Galvanized with painted bolt.

Safety factor: 6:1.



25t and up



Art No	Stock Code	WLL tons	Nominalsize In.	A	B	C	D	E	F	H	L	M	N	C	A	Weight kg/pcs.
11.311019464		0,33	3/16							37,3	24,9	32,8	4,85	1,50	1,50	0,03
11.311019466	05A0010	0,5	1/4	11,9						46,7	32,5	39,6	6,35	1,50	1,50	0,05
11.311019468	05A0020	0,75	5/16							53	37,3	46,2	7,85	1,50	1,50	0,10
11.311019470	05A0040	1	3/8		11,2					63,0	45,2	55,1	9,65	3,30	1,50	0,15
11.311019471	05A0030	1,5	7/16				11,2			74,0	51,5	63,8	11,2	3,30	1,50	0,22
11.311019472	05A0050	2	1/2							83,5	58,5	71,1	12,7	3,30	1,50	0,36
11.311019490	05A0060	3,25	5/8							106	74,5	90,4	17,5	3,30	1,50	0,62
11.311019515	05A0070	4,75	3/4							126	89,0	105	20,6	6,35	1,50	1,23
11.311019533	05A0080	6,5	7/8							148	102	122	24,6	6,35	1,50	1,79
11.311019551	05A0090	8,5	1							167	119	137	26,9	6,35	1,50	2,28
11.311019579	05A0100	9,5	1-1/8			108				190	131	150	31,8	6,35	1,50	3,75
11.311019597	05A0110	12	1-1/4			119				210	146	170	35,1	6,35	1,50	5,31
11.311019613	05A0120	13,5	1-3/8			133				233	162	183	38,1	6,35	3,30	7,18
11.311019631	05A0130	17	1-1/2			146				254	175	196	41,1	6,35	3,30	8,62
11.311019659	05A0140	25	1-3/4			178		127	106	313	225	246	57	6,35	3,30	15,4
11.311019677	05A0150	35	2			197		146	122	348	253	275	61	6,35	3,30	23,7

BOW SHACKLE US.STD - SCREW

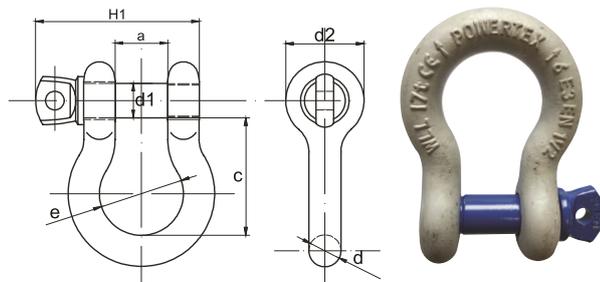
Design: Forged according to. U.S. specification RR-C-271D Type IVA, Grade A, Class 2.

Material: Forged alloy steel, supplied with alloy screw pin. Not to be heat-treated.

Marking: WLL, CE, size, grade, charge number and manufacturer ID.

Finish: Hot dip galvanized.

Safety factor: 6:1.



POWERTEX

Art No	Code	WLL	Pin Ø d1	a*	c*	d	d2	e	Weight
		tons							
11.31PBSP00033	1331	0,33	6,3	10	22,6	5	14,5	15,5	0,026
11.31PBSP00050	1332	0,5	8	13	29	6,5	17,5	20	0,048
11.31PBSP00075	1333	0,75	9,5	13,5	31	8	21	21,5	0,082
11.31PBSP00100	1334	1	11,2	17	36,5	10	25	26,2	0,150
11.31PBSP00150	1335	1,5	12,7	18,5	42,9	11,3	27	29,5	0,20
11.31PBSP00200	1336	2	15,8	20,6	47,75	12,7	30,5	33,3	0,30
11.31PBSP00325	1337	3,25	19	27	60	16	40	43	0,65
11.31PBSP00475	1338	4,75	22	32	71,5	19	48	51	1,01
11.31PBSP00650	1339	6,5	25	37	84,5	22	54	58	1,5
11.31PBSP00850	1340	8,5	28	43,5	96,25	26,5	60	68,5	2,25
11.31PBSP00950	1341	9,5	32	48	109	29	68	75	3,25
11.31PBSP01200	1342	12	35	53	120,5	32	76	84	4,45
11.31PBSP01350	1343	13,5	38	59	134	35	84	94	5,95
11.31PBSP01700	1344	17	42	62	148,5	38	92	99	7,72
11.31PBSP02500	1345	25	50	75	178	45	106	128	12,64
11.31PBSP03500	1346	35	55	84	197,5	52	122	148	18,72
11.31PBSP05500	1347	55	70	107	269,5	66	145	186	37
11.31PBSP08500		85	80	130	325	76	165	205	58

BOW SHACKLE US.STD - SAFETY BOLT

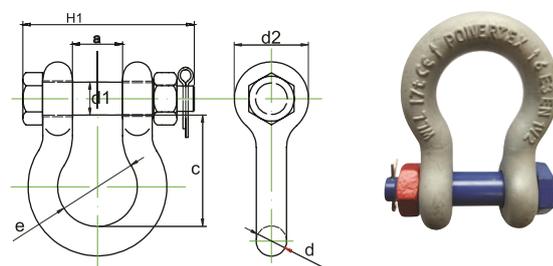
Design: Forged according to U.S. specification RR-C-271D Type IVA, Grade A, Class 2. Supplied with head-bolt with nut and cotter pin.

Material: Forged alloy steel. Head-bolt in alloy steel. Not to be heat-treated.

Marking: WLL, CE, size, grade, charge number and manufacturer ID.

Finish: Hot dip galvanized.

Safety factor: 6:1.



POWERTEX

Art No	Code	WLL	Pin Ø d1	a*	c*	d	d2	e	H1	Weight
		tons								
11.31PBSP00033		0,33	6	10	23	5	14,5	15,5	33,5	0,03
11.31PBSP00050	1232	0,5	8	13	29	6,5	17,5	20	42,5	0,05
11.31PBSP00075	1233	0,75	9,5	13,5	31	8	21	21,5	47	0,10
11.31PBSP00100	1234	1	11,2	17	37	10	25	26,2	56,5	0,15
11.31PBSP00150	1235	1,5	12,7	18,5	43	11,3	27	29,5	63,5	0,22
11.31PBSP00200	1236	2	15,8	20,6	48	12,7	30,5	33,3	75,5	0,36
11.31PBSP00325	1237	3,25	18,8	27	60	16	40	43	92	0,76
11.31PBSP00475	1238	4,75	22	32	72	19	48	51	106	1,2
11.31PBSP00650	1239	6,5	25	37	85	22	54	58	120	1,8
11.31PBSP00850	1240	8,5	28	43,5	96	26,5	60	68,5	135	2,6
11.31PBSP00950	1241	9,5	32	48	109	29	68	75	143	3,8
11.31PBSP01200	1242	12	35	53	121	32	76	84	164	5,3
11.31PBSP01350	1243	13,5	38	59	134	35	84	94	182	7,2
11.31PBSP01700	1244	17	42	62	149	38	92	99	195	9,4
11.31PBSP02500	1245	25	50	75	178	45	106	128	224	15
11.31PBSP03500	1246	35	56	84	197	52	122	148	248	24
11.31PBSP05500	1247	55	70	107	270	66	145	186	302	45

*Tolerance: +/- 5%