



For wire rope Ø		Approximate resin volume
mm	inch	
11 - 13	1/2	35
14 - 16	5/8	50
18 - 19	3/4	80
20 - 22	7/8	120
23 - 26	1	160
27 - 30	1 1/8	220
31 - 36	1 1/2 - 1 3/8	350
37 - 39	1 1/2	425
40 - 42	1 5/8	500
43 - 48	1 3/4 - 1 7/8	700
49 - 54	2 - 2 1/8	1200
55 - 60	2 1/4 - 2 3/8	1450
61 - 68	2 1/2 - 2 5/8	1850
69 - 75	2 3/4 - 2 7/8	2250
76 - 80	3 - 3 1/8	3500
81 - 86	3 1/4 - 3 3/8	4000
87 - 93	3 1/2 - 3 5/8	5000
94 - 102	3 3/4 - 4	7500
108 - 115	4 1/4 - 4 1/2	10500
120 - 130	4 3/4 - 5	14000
135 - 140	5 1/2	16000

Required resin volume for socketing wire rope terminations

#### WARNINGS

- Always carry out a visual inspection before using a socket and pin.
- Never use a part showing cracks.
- Do not side-load a socket.
- Repairs are not allowed, for any repairs contact your supplier.
- Never shock-load a socket.

## Warnings and application instructions

### General

Safety measures should be taken into account when using our sockets. Carefully follow all installation instructions. Important measures can be found below.

### Spelter Sockets

- Proper spelter socket terminations have an efficiency equal to the breaking load of the wire. This can be limited by the minimum breaking load of the socket (MBL), as mentioned in the tables
- Please read the instructions of the resin manufacturer carefully before use. Incorrect use of the resin or spelter material can result in an unsafe termination. More information can also be obtained from your wire rope supplier
- Always remove any dirt and grease from the wire rope broom and socket basket
- Ensure that the broomed wires are evenly spaced in the basket and that the wire and basket are aligned with each other
- When using white metal or zinc, the socket may be preheated to 300°C (570°F), but never over 350°C (660°F)
- Make sure the base of the socket is properly sealed. This to prevent resin leakage, which may cause voids
- Never use an assembly before the resin is fully hardened
- Procedures in EN 13411-4, ISO 17558 or equivalent should be followed
- Socketing shall always be executed by competent personnel only

### Fast Connector Sockets

- The FCS standard (rotating) connector shall be used with non-rotating or rotation resistant wire rope
- The FCS Spin Resistant connector shall be used with non-rotation resistant wire rope only, but will also work with rotation resistant wire rope
- Socketing of the connector shall be executed by competent personnel only. Normal socketing procedures for spelter sockets shall be followed

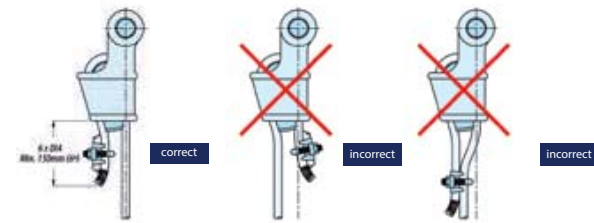
## Warnings and application instructions

### Super reeve Connector Sockets

- The SCS standard (rotating) connector shall be used with non-rotating or rotation resistant wire rope
- The SCS Spin Resistant connector shall be used with non-rotation resistant wire rope only, but will also work with rotation resistant wire rope
- Socketing of the connector shall be executed by competent personnel only. Normal socketing procedures for spelter sockets shall be followed
- The connector cap shall be secured after socketing by means of a high strength thread locking adhesive
- The connector cap is not a lifting device; it is used to pull the connector through the reeving system with a standard shackle
- The connector shall always be installed and used with the retainer properly installed

### Wedge Sockets

- Always mount the loaded part of the wire in the centre line of the pin (see figures below)
- Secure properly the dead end with a wire rope clip
- Do not attach the dead end to the live wire
- The dead end should have a length of 6 times the wire diameter with a minimum of 150 mm
- Ensure that the wire rope and wedge are fully seated after the first load
- A load may slip if the connection is not properly installed
- Inspect the connection regularly
- The efficiency of a 6 or 8 strand wire rope and most high performance ropes with a Ropeblock wedge socket connection is 80% of the MBL of the wire rope, but limited to the MBL of the socket
- Check your wire rope supplier for efficiency rating details when used with high performance ropes and test the assembly to determine efficiency
- Nominal intermediate rope sizes should be used with the biggest socket within the range



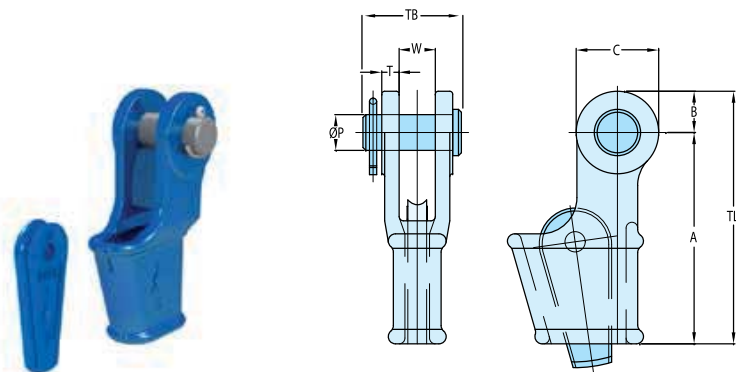
SEE OUR WARNINGS AND APPLICATION INSTRUCTIONS

SEE OUR WARNINGS AND APPLICATION INSTRUCTIONS



## Open Wedge Sockets with pin

Quenched and tempered cast steel



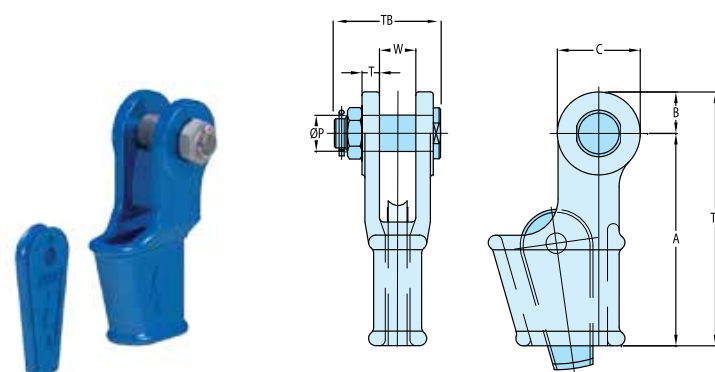
Model nr.	MBL (Mtons)	for wire Ø		Dimensions (mm)								Weight (kg)
		mm	inch	A	B	C	ØP	T	TL	TB	W	
OWS 0.25 P	8	7-8	5/16	110	18	36	16	9	128	51	18	0,8
OWS 0.5 P	12	9-10	3/8	145	23	46	20,6	11	168	63	20,5	1,7
OWS 1 P	20	11-13	1/2	146	28,5	57	25	12	174,5	67	25	2,1
OWS 2 P	25	14-16	5/8	176	35	70	30	15	211	85	31	4
OWS 3 P	40	18-19	3/4	210	40	80	35	16	250	95	38	7
OWS 4 P	55	20-22	7/8	237,5	47,5	95	41	18	285	110	44	10
OWS 5 P	75	24-26	1	275	55	110	51	22	330	128	51	15
OWS 6 P	90	27-29	1 1/8	310	65	130	57	25	375	142	57	21
OWS 7 P	110	30-32	1 1/4	350	73	146	63	28	423	155	63	31
OWS 8 P	125	34-36	1 3/8	400	74	148	64	28	474	160	70	37
OWS 9 P	150	37-39	1 1/2	450	80	142	70	30	530	177	77	51
OWS 10 P	170	40-42	1 5/8	500	87	160	76	33	587	187	76	64
OWS 11 P	225	43-48	1 3/4 - 1 7/8	550	100	186	89	39	650	215	89	96
OWS 12 P	280	49-52	2	640	105	205	95	46	745	244	101	130
OWS 13 P	360	54-58	2 1/4	660	125	250	108	54	785	275	114	180
OWS 14 P	425	60-68	2 1/2	835	135	270	121	60	970	300	127	275
OWS 15 P	460	72-76	3	1000	150	300	133	76	1150	355	146	440
OWS 16 P	625	81-86	3 1/4 - 3 3/8	1100	150	300	140	79	1250	375	159	510

MBL = Minimum Breaking Load  
The standard finish of our sockets is blue. Hot dipped galvanized is also available. All sockets can be provided with Declaration of compliance according EN 10204-2.1, material certificate according EN 10204-3.1 and EC Declaration according machine directive 2006/42/EC.

SEE OUR WARNINGS AND APPLICATION INSTRUCTIONS

## Open Wedge Sockets with bolt and nut

Quenched and tempered cast steel



Model nr.	MBL (Mtons)	for wire Ø		Dimensions (mm)								Weight (kg)
		mm	inch	A	B	C	ØP	T	TL	TB	W	
OWS 0.25 B	8	7-8	5/16	110	18	36	16	9	128	62	18	0,8
OWS 0.5 B	12	9-10	3/8	145	23	46	20,6	11	168	75	20,5	1,7
OWS 1 B	20	11-13	1/2	146	28,5	57	25	12	174,5	80	25	2,1
OWS 2 B	25	14-16	5/8	176	35	70	30	15	211	96	31	4
OWS 3 B	40	18-19	3/4	210	40	80	35	16	250	107	38	7
OWS 4 B	55	20-22	7/8	237,5	47,5	95	41	18	285	123	44	10
OWS 5 B	75	24-26	1	275	55	110	51	22	330	138	51	15
OWS 6 B	90	27-29	1 1/8	310	65	130	57	25	375	160	57	21
OWS 7 B	110	30-32	1 1/4	350	73	146	63	28	423	165	63	31
OWS 8 B	125	34-36	1 3/8	400	74	148	64	28	474	185	70	37
OWS 9 B	150	37-39	1 1/2	450	80	142	70	30	530	201	77	51
OWS 10 B	170	40-42	1 5/8	500	87	160	76	33	587	209	76	64
OWS 11 B	225	43-48	1 3/4 - 1 7/8	550	100	186	89	39	650	237	89	96
OWS 12 B	280	49-52	2	640	105	205	95	46	745	263	101	130
OWS 13 B	360	54-58	2 1/4	660	125	250	108	54	785	298	114	180
OWS 14 B	425	60-68	2 1/2	835	135	270	121	60	970	330	127	275
OWS 15 B	460	72-76	3	1000	150	300	133	76	1150	380	146	440
OWS 16 B	625	81-86	3 1/4 - 3 3/8	1100	150	300	140	79	1250	397	159	510

MBL = Minimum Breaking Load  
The standard finish of our sockets is blue. Hot dipped galvanized is also available. All sockets can be provided with Declaration of compliance according EN 10204-2.1, material certificate according EN 10204-3.1 and EC Declaration according machine directive 2006/42/EC.

SEE OUR WARNINGS AND APPLICATION INSTRUCTIONS