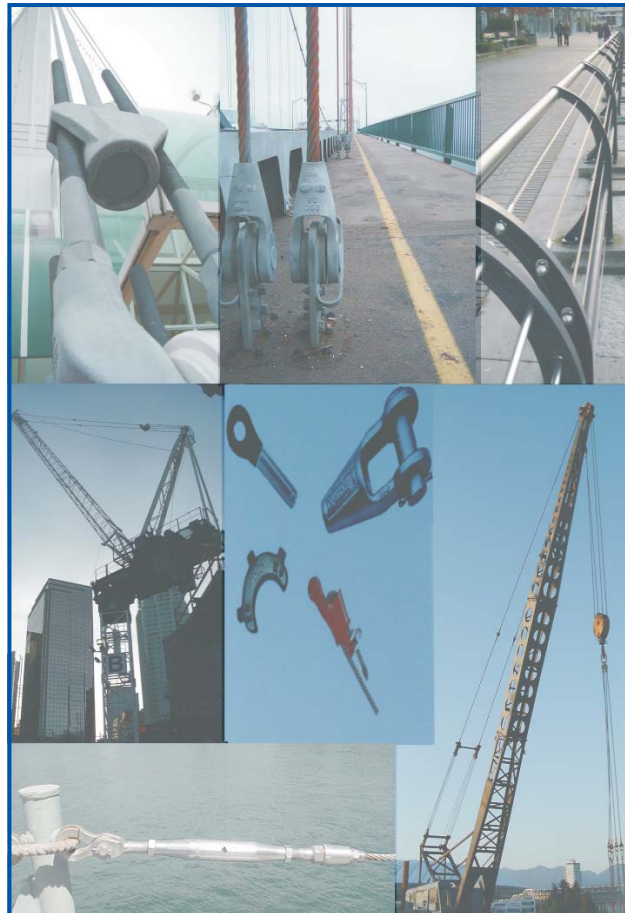




WIRE ROPE TERMINATIONS



Head Office: Unit 1, 9663-199A Street Langley BC V1M 2X7
Phone: 604 881 3000 Fax: 604 881 3010
Email: info@wescovan.com

Rigging Centre: 2437 Beta Avenue Burnaby BC V5C 5N1
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CHOICE OF END FITTINGS

The selection of the right end fittings is as important as the right selection of wire rope for the application. The right selection and installation of these products is vital to maintain the assemblies integrity and strength. Rope fittings are generally subject to the same loadings as the wire rope they are used on, and should never be allowed to exceed the working load limit.

Selection of end fittings can be determined by the following:

- A) Application.
- B) Construction and lay of rope.
- C) Safety Factor and Working Load Limit required.
- D) Delivery required.
- E) Site or Factory manufacture.



Rope fittings shall be properly designed for the service expected of them, and be installed and assembled to manufacturers specifications.

EFFICIENCY RATINGS

TERMINATIONS	EFFICIENCY RATING
WIRE ROPE SPLICE	
FLEMISH EYE SPLICE	1/4" TO 1" DIAMETER AND SMALLER 95%
	1 1/8" TO 2" DIAMETER 92.5%
	2 1/8" & LARGER DIAMETER 90%
PRESSED SLEEVE	1" DIAMETER AND SMALLER 95%
	1 1/8" TO 2" DIAMETER 92.5%
	2 1/8" & LARGER DIAMETER 90%
HAND TUCKED SPLICE	ONLY TO BE USED WHERE SLING ENDS ARE TERMINATED AND NOT ALLOWED TO ROTATE
	1/4" DIAMETER - 90%, 5/16" DIAMETER - 89%,
	3/8" DIAMETER - 88%, 7/16" DIAMETER - 87%,
	1/2" DIAMETER - 86%, 5/8" DIAMETER - 84%
	3/4" DIAMETER - 82%, 7/8" DIA. & GREATER - 80%
SWAGE SOCKET	OPEN OR CLOSED 100%
SPELTER SOCKET	OPEN OR CLOSED 100%
WEDGE SOCKET	75-90% DEPENDING ON DESIGN (Check with Wesco)
CLIPS	80% IF INSTALLED CORRECTLY

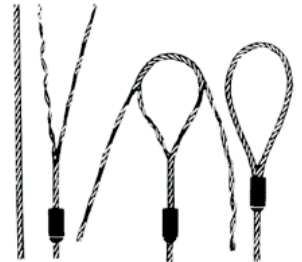


SPLICED EYES

Flemish Eye Splice

The Flemish eye splice is fabricated by opening or unlaying the rope body into two parts, one having three strands and the other having the remaining three strands and the core. The rope is unlayed to allow the loop or eye to be formed by looping one part in one direction and the other part in the other direction and laying the rope back together. The strands are rolled back around the rope body. A metal sleeve is then slipped over the ends of the splice and pressed (swaged) to secure the ends to the body of the sling.

Care should be taken not to deform or damage the sleeves on these slings. Slings which have sleeves made of a different grade or type metal than the rope body may experience accelerated deterioration due to an electrochemical reaction between the two metals. This is particularly evident in salt water or brackish conditions.



Fold Back Mechanical Splice

The fold back splice is fabricated by forming a loop at the end of the rope, sliding one or more sleeves over the short end of the loop eye and pressing these sleeves to secure the end of the rope to the sling body. Sleeves can be either steel, stainless steel, aluminum or copper. Steel sleeves are the most commonly used sleeve due to their durability. Copper and aluminum sleeves are less durable.

A drawback to this type of sling is that the lifting capacity of the sling depends completely upon the integrity of the pressed or swaged joint. Should the metal sleeve(s) fail, the entire eye will also fail.

Care should be taken not to deform or damage the sleeves on these slings. Slings which have sleeves made of a different grade or type metal than the rope body may experience accelerated deterioration due to an electrochemical reaction between the two metals. This is particularly evident in salt water or brackish conditions.



Hand Tucked Splice

A hand tucked splice is made by passing the wire rope around a thimble or forming an eye and splicing the dead end (short end) into the live end (long end) of the rope. Normally, each dead end strand is given one forming tuck and three full tucks around the same strand in the body of the rope. One additional full tuck is made when splicing more pliable wire ropes such as 6 x 36 construction.

A Drawback to the type of splice is the reduction in sling working load limits. The use of a swivel on single leg lifts and free hanging loads which may rotate is not recommended. A tag line should always be used to prevent rotation of the sling body. **When the sling body of a hand tucked splice is allowed to rotate, the splice will unlay, pull out and drop the load.**



Becket Loop End

Becket loop ends are mechanically spliced onto the end of wire rope to assist in the **INSTALLATION PURPOSES ONLY**. When installing new wire rope the loop assembly allows the connection of the new rope to the existing rope without the use of wire mesh grips.

The becket fitting will be slightly larger than the diameter of wire rope. For further information on these fittings and sizes please contact Wesco Industries.



WIRE ROPE CLIPS

Wire rope clips are useful for field installations. Correct installation with the use of a torque wrench, the termination efficiency will be 80%. It is important that installation instructions are followed carefully and the table below outlining minimum clips to be used and torque to be applied is **strictly adhered to**.

Wire rope clip installation is as follows:

1. Turn back specified amount of rope (see table) from thimble or loop. Apply first clip one base width from dead end of rope. Apply U-bolt over dead end of wire rope - live end rests in saddle (Never saddle a dead horse!). Tighten nuts evenly, alternating from one nut to the other until reaching the recommended torque.
2. When two clips are required, apply the second clip as near the loop or thimble as possible. Tighten nuts evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or thimble as possible, turn nuts on second clip firmly, but do not tighten. Proceed to Step 3.
3. When three or more clips are required, space additional clips between first two - take up rope slack - tighten nuts on all clips, alternating from one nut to the other until reaching the recommended torque.
4. Apply an initial load equal to or greater than the loads expected in use. Inspect for proper spacing and retighten the nuts to the



Step 1



Step 2



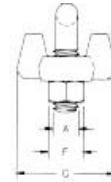
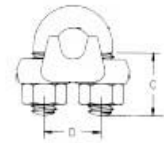
Step 3



Rope Sizes Inches	Minimum number of Clips	Amount of Rope to Turn Back in Inches	Torque in Foot Pounds
1/8	2	3 1/4	4.5
3/16	2	3 3/4	7.5
1/4	2	4 3/4	15
5/16	2	5 1/4	30
3/8	2	6 1/2	45
7/16	2	7	65
1/2	3	11 1/2	65
9/16	3	12	95
5/8	3	12	95
3/4	4	18	130
7/8	4	19	225
1	5	26	225
1 1/8	6	34	225
1 1/4	7	44	360
1 3/8	7	44	360
1 1/2	8	54	360
1 5/8	8	58	430
1 3/4	8	61	590
2	8	71	750
2 1/4	8	73	750
2 1/2	9	84	750
2 3/4	10	100	750
3	10	106	1,200

Forged Clips

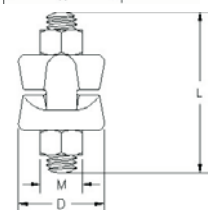
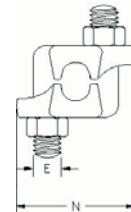
Stock Code	Rope Size Inches	Dimensions - Inches				
		A	C	D	F	G
22FG-04	1/8	0.22	0.44	0.47	0.38	0.81
22FG-06	3/16	0.25	0.56	0.59	0.44	0.94
22FG-08	1/4	0.31	0.50	0.75	0.56	1.19
22FG-10	5/16	0.38	0.75	0.88	0.69	1.31
22FG-12	3/8	0.44	0.75	1.00	0.75	1.63
22FG-14	7/16	0.50	1.00	1.19	0.88	1.81
22FG-16	1/2	0.50	1.00	1.19	0.88	1.91
22FG-18	9/16	0.56	1.25	1.31	0.94	2.06
22FG-20	5/8	0.56	1.25	1.31	0.94	2.06
22FG-24	3/4	0.62	1.44	1.50	1.06	2.25
22FG-28	7/8	0.75	1.62	1.75	1.25	2.44
22FG-32	1	0.75	1.81	1.88	1.25	2.63
22FG-36	1 1/8	0.75	2.00	2.00	1.25	2.81
22FG-40	1 1/4	0.88	2.13	2.31	1.44	3.13
22FG-44	1 3/8	0.88	2.31	2.38	1.44	3.13
22FG-48	1 1/2	0.88	2.38	2.62	1.44	3.41
22FG-52	1 5/8	1.00	2.62	2.75	1.63	3.63
22FG-56	1 3/4	1.13	2.75	3.06	1.81	3.81
22FG-64	2	1.25	3.00	3.38	2.00	4.44



*Larger sizes available upon request.

Chair Type Grips

Stock Code	Rope Size Inches	Dimensions - Inches				
		D	E	L	M	N
22GR-06CM	3/16 & 1/4	0.94	0.38	1.56	0.69	1.28
22GR-10CM	5/16	1.06	0.38	1.81	0.69	1.41
22GR-12CM	3/8	1.06	0.44	2.31	0.75	1.85
22GR-14CM	7/16 & 1/2	1.25	0.50	2.75	0.88	2.06
22GR-18CM	9/16 & 5/8	1.50	0.63	3.31	1.06	2.59
22GR-24CM	3/4	1.81	0.75	3.44	1.25	3.06
22GR-28C	7/8	2.13	0.75	4.13	1.25	3.14
22GR-32C	1	2.25	0.75	4.63	1.25	3.53
22GR-36C	1 1/8	2.38	0.88	5.25	1.44	3.91
22GR-40C	1 1/4	2.50	0.88	5.25	1.44	4.03
22GR-44C	1 3/8	3.00	1.00	7.00	1.63	4.66



SPELTER SOCKETS

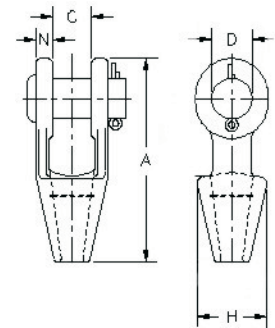
Spelter sockets are an excellent termination fitting as they offer 100% efficiency rating when installed by a qualified person to either 6 x 7, 6 x 19, or 6 x 37 IPS, EIPS, EEIP, RRL, FC or IWRC wire rope. Sockets are assembled with zinc or resin material, and are available as open or closed. Spelter sockets can be installed onsite, and can be reused if a magnetic particle test and visual inspection occurs.

Those inexperienced in the socketing process should not try to fabricate assemblies without first getting expert training. It is far better to leave fabrication of this type of assembly to Wesco Industries.



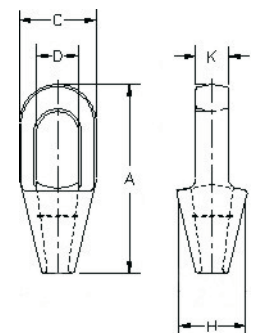
Open Spelter Sockets

Stock Code	Rope Size Inches	Dimensions - Inches				
		A	C	D	H	N
60OSP-G08CR	1/4	4.56	0.91	0.69	1.56	0.36
60OSP-G12CR	5/16 - 3/8	4.84	0.81	0.81	1.69	0.44
60OSP-G16CR	7/16 - 1/2	5.56	1.00	1.00	1.88	0.50
60OSP-G20CR	9/16 - 5/8	6.75	1.25	1.19	2.25	0.56
60OSP-G24CR	3/4	7.94	1.50	1.38	2.62	0.62
60OSP-G28CR	7/8	9.25	1.75	1.63	3.25	0.80
60OSP-G32CR	1	10.56	2.00	2.00	3.75	0.88
60OSP-G36CR	1 1/8	11.81	2.25	2.25	4.12	1.00
60OSP-G40CR	1 1/4 - 1 3/8	13.19	2.50	2.50	4.75	1.13
60OSP-G48CR	1 1/2	15.12	3.00	2.75	5.25	1.19
60OSP-G52CR	1 5/8	16.25	3.00	3.00	5.50	1.31
60OSP-G56CR	1 3/4 - 1 7/8	18.25	3.50	3.50	6.38	1.56



Closed Spelter Sockets

Stock Code	Rope Size Inches	Dimensions - Inches				
		A	C	D	H	K
60CSP-G08CR	1/4	4.50	1.50	0.88	1.56	0.50
60CSP-G12CR	5/16 - 3/8	4.88	1.69	0.97	1.69	0.69
60CSP-G16CR	7/16 - 1/2	5.44	2.00	1.16	1.88	0.88
60CSP-G20CR	9/16 - 5/8	6.31	2.63	1.41	2.38	1.00
60CSP-G24CR	3/4	7.56	3.00	1.66	2.75	1.25
60CSP-G28CR	7/8	8.75	3.63	1.88	3.25	1.50
60CSP-G32CR	1	9.88	4.13	2.30	3.75	1.75
60CSP-G36CR	1 1/8	11.00	4.50	2.56	4.13	2.00
60CSP-G40CR	1 1/4 - 1 3/8	12.12	5.30	2.81	4.75	2.25
60CSP-G48CR	1 1/2	13.94	5.33	3.19	5.25	2.50
60CSP-G52CR	1 5/8	15.13	5.75	3.25	5.50	2.75
60CSP-G56CR	1 3/4 - 1 7/8	17.25	6.75	3.75	6.38	3.00



SWAGE SOCKETS

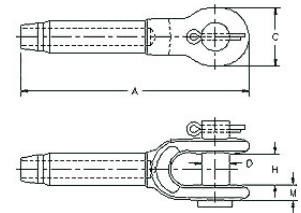
Swage sockets are suitable for either 6 x 19, or 6 x 37 IPS, EIPS, EEIP, RRL, and IWRC wire rope. Swage sockets have an efficiency rating of 100%. Sockets are forged from special bar quality carbon steel and are swaged (pressed) onto the wire rope using special dies in a large hydraulic press.

Swage sockets are commonly used for pendant ropes on cranes.



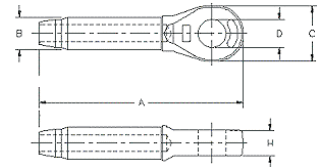
Open Swage Sockets

Stock Code	Rope Size Inches	Dimensions - Inches				
		A	C	D	H	M
60OSW-S08C	1/4	4.81	1.38	0.69	0.69	0.38
60OSW-S10C	5/16	6.25	1.62	0.81	0.81	0.47
60OSW-S12C	3/8	6.25	1.62	0.81	0.81	0.47
60OSW-S14C	7/16	7.81	2.00	1.00	1.00	0.56
60OSW-S16C	1/2	7.81	2.00	1.00	1.00	0.56
60OSW-S18C	9/16	9.50	2.38	1.19	1.25	0.68
60OSW-S20C	5/8	9.50	2.38	1.19	1.25	0.68
60OSW-S24C	3/4	11.56	2.75	1.38	1.50	0.78
60OSW-S28C	7/8	13.41	3.13	1.62	1.75	0.94
60OSW-S32C	1	15.47	3.69	2.00	2.00	1.06
60OSW-S36C	1 1/8	17.31	4.06	2.25	2.25	1.19
60OSW-S40C	1 1/4	19.06	4.50	2.53	2.50	1.22



Closed Swage Sockets

Stock Code	Rope Size Inches	Dimensions - Inches				
		A	B	C	D	H
60CSW-S08C	1/4	4.31	0.50	1.38	0.75	0.50
60CSW-S10C	5/16	5.44	0.77	1.62	0.88	0.67
60CSW-S12C	3/8	5.44	0.77	1.62	0.88	0.67
60CSW-S14C	7/16	6.91	0.98	2.00	1.06	0.86
60CSW-S16C	1/2	6.91	0.98	2.00	1.06	0.86
60CSW-S18C	9/16	8.66	1.25	2.38	1.25	1.13
60CSW-S20C	5/8	8.66	1.25	2.38	1.25	1.13
60CSW-S24C	3/4	10.28	1.55	2.88	1.44	1.31
60CSW-S28C	7/8	11.94	1.70	3.12	1.69	1.50
60CSW-S32C	1	13.56	1.98	3.63	2.06	1.75
60CSW-S36C	1 1/8	15.03	2.25	4.00	2.31	2.00
60CSW-S40C	1 1/4	16.94	2.53	4.50	2.56	2.25



- Larger sizes available upon request.

WEDGE SOCKETS

Wedge sockets are suitable for most constructions of wire ropes and have an efficiency rating of 80% the breaking strength of 6 x 19/6 x 37 EIPS grade wire rope if correctly installed. Sockets can be installed onsite quickly and easily by a competent trained person.

Assembly and Operating Safety:

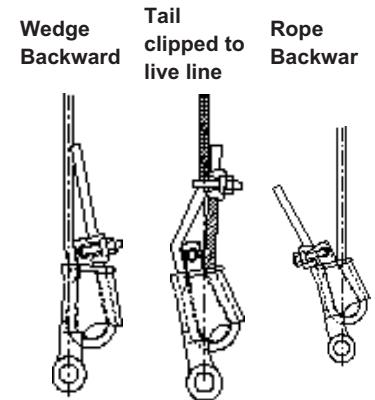
- Use only with standard 6 to 8 strand wire rope of designated size. For intermediate size rope, use next larger size socket (eg. 9/16" wire rope use a 5/8" socket). Welding of the tail on standard wire rope is not recommended. The tail length of the dead end should be a minimum of 6 rope diameters but not less than 6 inches.
- To use with Rotation Resistant wire ropes ensure that the dead end is welded, brazed or seized before inserting the wire rope into the wedge socket to prevent core slippage or loss of rope lay. The tail length of the dead end should be a minimum of 20 rope diameters but not less than 6 inches.
- Properly match socket, wedge and clip to wire rope size.
- Align live end of rope, with centre line of pin.
- Secure dead end section of rope.
- Tighten nuts on clip to recommended torque.
- Do not attach dead end to live end or install wedge backwards.
- Use a hammer to seat wedge and rope as deep into socket as possible before applying load.
- Apply first load to fully seat the wedge and wire rope in the socket. This load should be of equal or greater weight than loads expected in use.
- During use, do not strike the dead end section with any other elements of the rigging (called two blocking).



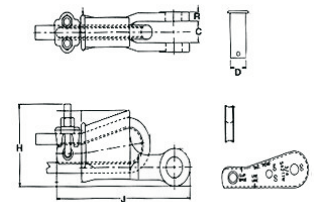
INSTALLATION CORRECT



INSTALLATION INCORRECT



Stock Code	Rope Size Inches	Dimensions - Inches				
		C	D	H	J	R
60WGE-S12CR	3/8	0.81	0.81	3.12	7.38	0.44
60WGE-S16CR	1/2	1.00	1.00	3.85	8.75	0.50
60WGE-S20CR	5/8	1.25	1.19	4.58	10.34	0.56
60WGE-S24CR	3/4	1.50	1.38	6.37	12.03	0.66
60WGE-S28CR	7/8	1.75	1.63	6.28	14.00	0.75
60WGE-S32CR	1	2.00	2.00	7.02	15.86	0.88
60WGE-S36CR	1 1/8	2.25	2.25	7.76	17.70	1.00
60WGE-S40CR	1 1/4	2.50	2.30	N/A	N/A	1.12



STEEL STOPS (FERRULES)

Steel stops are commonly used on 6 x 19 or 6 x 37 wire rope and is swaged onto the end of wire ropes to form an anchor point on winch drums, anchor into steel fittings or to be used in conjunction with logging fittings in the field. **Ferrules are not intended for use in applications where loads are fully suspended overhead.**

Common sizes are as per the tables below, any other dimensions are custom manufactured to your specifications.



Steel Ferrule

Stock Code	Rope Size Inches	After Swage Dimensions (In.)		Weight Each Pounds
		Diameter	Length	
30KNB-06	3/16	0.53	0.81	0.1
30KNB-08	1/4	0.53	1.12	0.2
30KNB-10	5/16	0.76	1.19	0.2
30KNB-12	3/8	0.76	1.56	0.3
30KNB-14	7/16	0.88	1.75	0.3
30KNB-16	1/2	1.01	1.75	0.3
30KNB-18	9/16	1.13	1.81	0.4
30KNB-20	5/8	1.53	2.00	0.9
30KNB-24	3/4	1.53	2.00	0.9
30KNB-DL28	7/8	2.04	2.25	2.0
30KNB-DL32	1	2.04	2.25	2.2
30KNB-DL36	1 1/8	2.26	2.37	2.2
30KNB-40	1 1/4	2.26	2.37	2.2



Choker Knob

Stock Code	Rope Size Inches	Dimensions - Inches		Weight Each Pounds
		Diameter	Length	
30CHK-12	3/8	1.08	1.69	0.3
30CHK-14	7/16	1.08	1.69	0.3
30CHK-16	1/2	1.08	1.69	0.3
30CHK-18	9/16	1.08	1.69	0.3
30CHK-20	5/8	1.45	2.25	0.8
30CHK-24	3/4	1.61	2.50	2.4
30CHK-28	7/8	2.04	3.00	2.3
30CHK-32	1	2.04	3.00	2.3
30CHK-36	1 1/8	2.26	3.00	2.6



- Please confirm dimensions of above if application is critical.

Spiral Ferrule

Spiral Ferrules with Manganese Bronze two piece wedges are easy to install and quick to change. The two piece wedge grips all the cable. Ferrules and wedges are reusable many times. Spiral ferrules are commonly used in the forestry industry. Installation procedures are:

- Step 1 - Insert cable through ferrule in regular manner.
- Step 2 - Spread strands and lay them in individual wedge grooves.
- Step 3 - Tap wedge and cable down into ferrule to 3/8" from top.
- Step 4 - On the first load, both cable and wedge will seat solidly in ferrule pocket.



Stock Code	Rope Size Inches	Description	Dimensions - Inches	
			Diameter	Length
30SP-18/20M-S	7/16, 1/2, 9/16	M4 Silver	1.12	1.31
30SP-14/18	7/16, 1/2, 9/16	LB4 Cream	1.50	1.63
30SP-18/20M	9/16, 5/8	LB5 Pink	1.50	1.63
30SP-16	1/2	B4 Brown	2.00	1.69
30SP-36IM	5/8	B5 Maroon	2.00	1.69
30SP-24I	3/4	B6 Grey	2.00	1.69
30SP-24M	3/4	L6 White	2.12	2.31
30SP-28M	7/8	L7 Black	2.12	2.31
30SP-28RDI	7/8	J7 Red	2.44	2.63
30SP-32	1	L8 Green	2.12	2.31
30SP-32L8I	1	J8 Blue	1.44	2.63
30SP-36I	1 1/8	J9 Yellow	2.44	2.63
30SP-32M	1 1/4	J10 Orange	2.44	2.63
30SP-40I	1 1/4	S10 Purple	2.81	2.12
30SP-44I	1 3/8	S11 Gold	2.81	3.12



Zinc Choker Ferrule

Standard zinc choker ferrules are reusable many times, because the heat treated, special alloy steel from which they are manufactured easily withstands the remelting of the zinc without damage. Ferrules are not subject to mushrooming under normal conditions.

Stock Code	Rope Size Inches	Description	Dimensions - Inches	
			Diameter	Length
30ZN-L331I	1/2, 5/8, 3/4	Bantam	2.00	1.69
30ZN-L332I	3/4, 7/8, 1	Light	2.12	2.63
30ZN-L334I	7/8, 1, 1 1/8	Junior	2.44	2.63
30ZN-L335I	1 1/4, 1 3/8, 1 1/2	Standard	2.81	3.12



THIMBLES

Thimbles come in a varying range of shapes and sizes. They are designed to protect the wire rope from wear and damage when using shackles and hooks. Thimbles can be supplied in either Galvanized, Stainless Steel, Bronze and Steel. The most common available is the standard heavy duty thimble (see dimensions below). For other types and sizes please contact Wesco for further details.



Heavy Duty Standard



Solid



Slip Thru



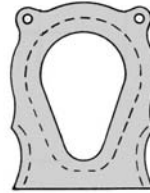
Half



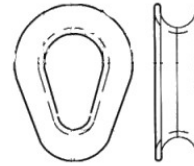
Combination



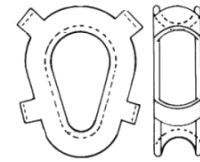
Tube



Towing



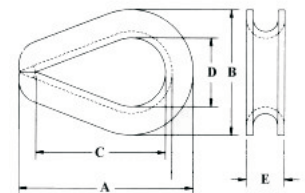
Hawser



Equalizing

Heavy Duty Thimbles

Stock Code	Rope Diameter Inches	Dimensions - Inches					
		A	B	C	D	E	Pin Dia.
76HD-G08	1/4	2.19	1.50	1.63	0.88	0.41	0.82
76HD-G10	5/16	2.50	1.82	1.88	1.06	0.50	0.94
76HD-G12	3/8	2.88	2.13	1.88	1.13	0.66	1.06
76HD-G14	7/16	3.25	2.38	2.38	1.25	0.75	1.18
76HD-G16	1/2	3.63	2.75	2.75	1.50	0.84	1.44
76HD-G18	9/16	3.63	2.75	2.75	1.50	0.90	1.44
76HD-G20	5/8	4.25	3.13	3.25	1.75	1.00	1.63
76HD-G24	3/4	5.00	3.75	3.75	2.00	1.25	1.88
76HD-G28	7/8	5.50	4.25	4.25	2.25	1.38	2.13
76HD-G32	1	6.13	5.00	4.50	2.50	1.56	2.38
76HD-G40	1 1/8-1 1/4	7.00	5.88	5.13	2.88	1.88	2.75

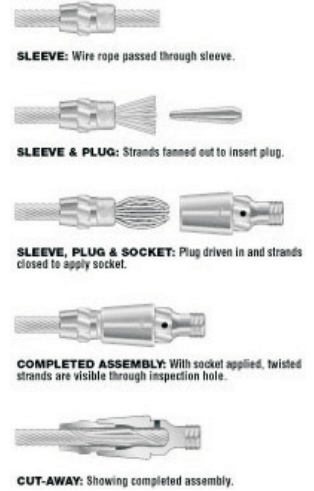


ELECTROLINE FITTINGS

Electroline fittings are a great termination to use, they are quick and easy to install, strong, reliable and versatile. A wide range of fittings are available in either galvanized or stainless steel.

Rope fittings are designed for linear applications only. Never subject Electroline fittings to angular loads. Those inexperienced in the termination process should not try to fabricate assemblies without first getting expert training. It is far better to leave fabrication of this type of assembly to Wesco Industries.

For further advice on fittings, dimensions and applications please contact Wesco Industries.



ARCHITECTURAL & MARINE FITTINGS

Wesco carries and manufactures a large range of stainless steel fittings for use in marine applications (Including ball shank fittings), sailboat rigging (mast stays & lifeline fittings), architectural, interior design and balustrading.

For further advice on fittings dimensions, applications and availability please contact Wesco



GRIPS

Mesh Grips

Mesh grips are used for pulling wire rope or cable. They install quickly and easily, and are designed to pass easily through ducts, block and sheaves. Mesh grips are reusable and do not damage the cable because pulling tensions remain uniform along the length of the grip.

With wire mesh grips, the holding power achieved is directly related to the length of mesh, the longer the mesh the firmer the grip. It is impossible to set any meaningful standard for breaking strength, therefore **MESH GRIPS ARE NOT TO BE USED FOR LIFTING!**



Stock Code	Tool Code	Rope Size Inches	Mesh Length
80GRP-KPJ-37	KPJ-37	3/8 to 1/2	7"
80GRP-KPL-050-1	KPL-050-1	1/2 to 5/8	12"
80GRP-KPL-050-2	KPL-050-2	1/2 to 5/8	17"
80GRP-KPL-062-1	KPL-062-1	5/8 to 3/4	12"
80GRP-KPL-075-24	KPL-075-24	3/4 to 1	24"
80GRP-KPL-075-36	KPL-075-36	3/4 to 1	36"
80GRP-KPL-100-24	KPL-100-24	1 to 1 1/4	24"
80GRP-KPL-100-36	KPL-100-36	1 to 1 1/4	36"

- Larger sizes are available.

Haven/Chicago Grips

Haven grips are designed to pull wire rope or cable. They are easily attached to the end of the cable, but should only be used where wire or cable damage is not a factor.

HAVEN GRIPS ARE NOT TO BE USED FOR LIFTING!



1604-20 Standard



1604-20L Latched

Stock Code	Tool Code	Rope Size Inches	Capacity - Pounds
80GRP-1604-10	1640-10	0 to 1/4	2,500
80GRP-1604-20	1604-20	1/8 to 1/2	5,000
80GRP-1604-20L	1604-20L	1/8 to 1/2	5,000
80GRP-1625-20	1625-20	5/16 to 3/4	8,000
80GRP-1625-20-7	1625-20-7/8	3/8 to 7/8	8,000
80GRP-1625-20-1	1625-20-1	1/2 to 1	8,000

MARLIN SPIKES

A quality forged product for hand splicing wire rope. Available in size range 6" to 24".

Stock Code	Size Inches
64MAR-06	6
64MAR-08	8
64MAR-10	10
64MAR-12	12
64MAR-14	14
64MAR-16	16
64MAR-18	18
64MAR-20	20
64MAR-24	24



OTHER PRODUCTS

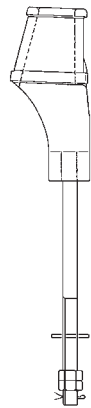
A range of tools for wire rope splicing and cutting is available. We can offer hand swage tools for sleeves (Nicopress & HK Porter), wire rope cutters (Felco, Morse Starrett & Pell Hydrashear), sleeves (aluminum, copper, zinc plated copper) Wire Rope Lubricant and Elevator sockets.



Hand Swage Tools for Sleeves



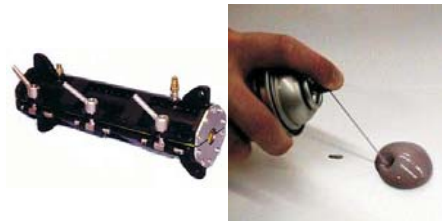
Sleeves - Aluminum, Copper & Zinc Plated Copper



Elevator Sockets



Wire Rope cutters - Hand, Hydraulic & hammer



Wire rope lubricant & applicators

WESCO

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Burnaby BC V5C 5N1

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Fax: 604 292 1222

Email: burnaby@wescovan.com

Distributors of:

Wire Rope & Fittings - Powerstrand, Casar, Esco, Crosby.

Wire Rope all types of constructions and diameters, Wire Rope Fittings, Wire Rope Assemblies, Grips, Hooks, & Links.

Slings - Powerstrand, Gunnebo, Campbell, Procraft.

Wire Rope, Chain, Webbing, Endless Polyester & Rope.

Chain & Fittings - Campbell, Gunnebo - Grabiq, Procraft.

Grade 30, Mooring & Lashing, Grade 70, 80 & 100.

Hoists & Trolleys - Columbus Mckinnon, Coffing & Campbell.

Chain Hoists, Lever Hoists, Cummalongs, Electric Hoists, Air Hoists, Winches, Beam Clamps & Trolleys.

Lifting Equipment - CM, Merrill, Terrier, Johnson, Rud, Crosby.

Shackles, Hooks, Plate Clamps, Crane Blocks, Eyebolts, Turnbuckles.

Cordage - Novatec Braid, Samson, Procraft.

Double Braid, 12 Strand, 8 Strand, 3 Strand & Cords.

Towing & Tie Down - Procraft, CM, Crosby.

Loadbinders, Straps, Chain & Hooks, & Wire Rope Assemblies.

Industries Supplied:

Crane, Construction, Logging, Marine, Industrial, Towing, Entertainment, Elevator, Mining, Offshore Oil & Gas, Fishing, Forestry, Utilities, Steel Works & Rigging.



COOPER Tools
Campbell[®]

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