

Resistance
Welding
Equipment

Spot Welding
Electrodes

Special Tooling

Bar Stock

HOLDERS

Special
Forgings

Elconite

Ignitron Tubes

Seam Welder
Wheels

C.D. Studs

ARC Studs

Concrete
Anchors

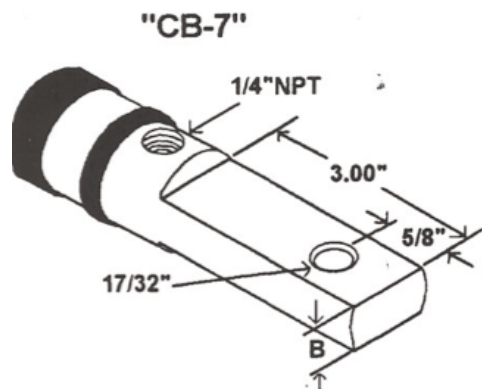
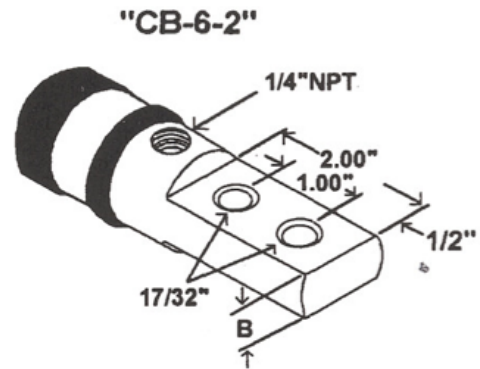
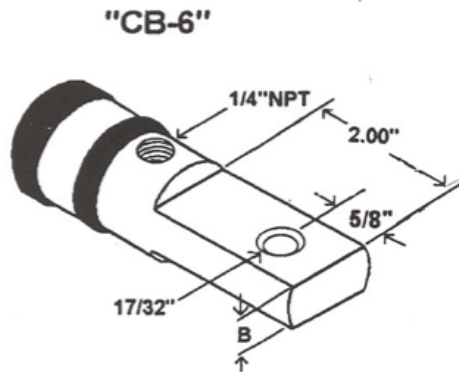
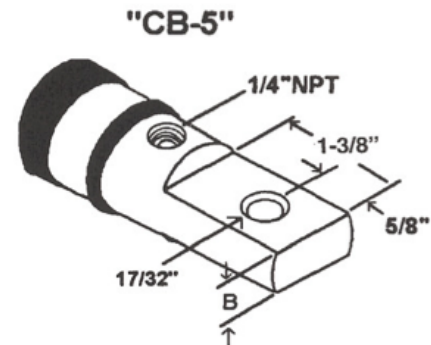
Controls

Stud Welding
Equipment

Repair and
Service

Educational
Programs

Terminals for Water-Cooled Jumpers (WCJ)



B=Thickness	B=Thickness
350-400MCM	450-1000MCM
9/16" Thick	5/8" Thick

Terminals Furnished as Shown
UNLESS changes are specified.

CAL WCJ TERMINAL DATA

MCM SIZE	TERMINAL DIA	OUTER HOSE DIA (O.D)
150-300MCM	1.00"	1-3/8"
350-400MCM	1-1/8"	1-5/8"
450-600MCM	1-1/4"	1-3/4"
650-750MCM	1-1/2"	2"
1000MCM	1-1/2"	2"
1200MCM	1-13/16"	2-3/8"

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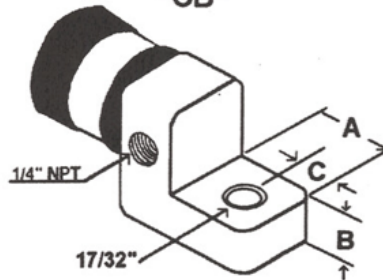
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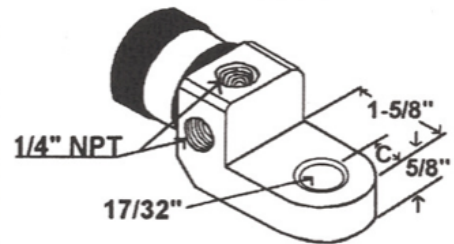
Terminals for Water-Cooled Jumpers (WCJ)

"CB"



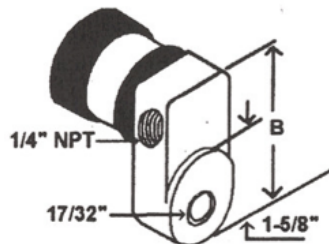
	A =	B =	C =
350-400MCM	1-5/16"	1/2"	9/16"
450-600MCM	1-7/16"	1/2"	5/8"
750-1000MCM	1-1/2"	9/16"	5/8"

"CDB"



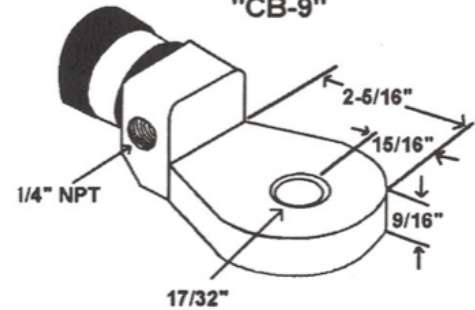
	C =
350-600MCM	9/16" Back
750-1000MCM	5/8" Back

"CB-2"

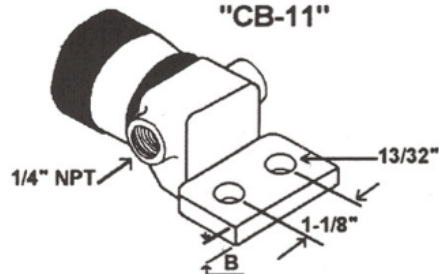


	B =
350-400MCM	2-11/16"
450-1000MCM	3-1/8"

"CB-9"



"CB-11"



	B =
350-600MCM	3/8"
750-1000MCM	9/16"



SPOT WELD, INC.

2290 Wycliff St., St. Paul, MN 55114
 (Ph.) 651-646-1393, (Fax) 651-646-3616
www.spotweldinc.com

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DUTY CYCLE	MULTIPLIER
100 %	1.00
90 %	.95
80 %	.90
70 %	.84
60 %	.78
50 %	.71
40 %	.63
30 %	.55
20 %	.45
10 %	.32
5 %	.22
3 %	.17
2 %	.14

Determining the MCM size required

To determine the required MCM rating, it is first necessary to know: (1) the duty cycle, (2) current to be used and (3) length of the cable to be used, measured bolt hole center to bolt hole center.

Once this has been determined, proceed as follows:

1. Find the closest duty cycle shown on the multiplier chart to the left. Take your current level and multiply it times the multiplier shown. This will give you the continuous duty current of the cable.
2. Refer to the chart below. Looking up from the length of your required cable, find the angular line closest to the continuous current level you just established. Then follow the angular line to the right for the MCM rating.

Water-Cooled Jumper Selection Chart

