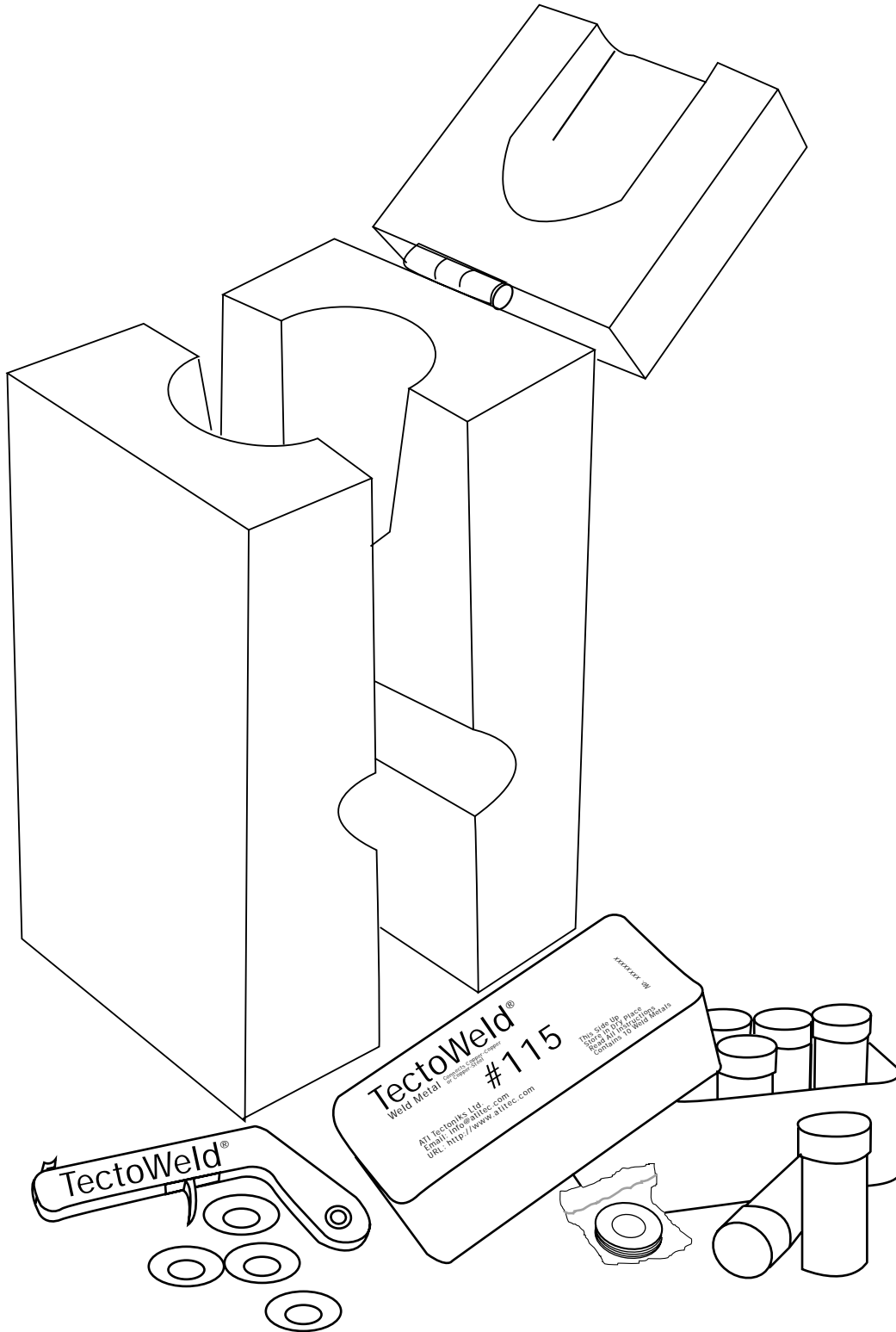


# TectoWeld<sup>®</sup>

Connect with the best!



LISTED, 17BJ  
Exothermic Welding Connection System



ATI Tectoniks Limited

URL: <http://www.atitec.com>

Email: [info@atitec.com](mailto:info@atitec.com)

# TectoWeld<sup>®</sup>

Connect with the best!



## Exothermic Welded Connectors

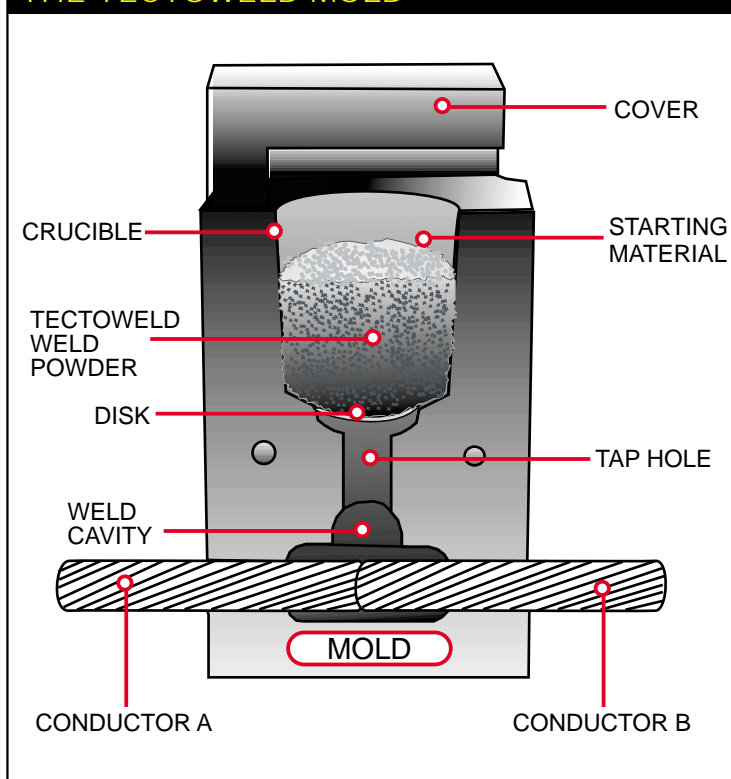
The process of exothermic welding is a method of making electrical connections of copper to copper or copper to steel in which no outside source of heat or power is required.

In this process, a special welding powder is placed into a high temperature mold and ignited. This ignition process of the particles (exothermic reaction) creates extremely high heat and produces a molten metal slag. The liquid copper metal flows into the weld cavity, filling any available space and completes the weld. The weld is then allowed to cool and solidify before it is removed from the mould. The mold is ready for the next weld after a brief cleaning with a brush. This entire process takes only seconds to complete.

Exothermically welded connections produce a permanent connection superior in performance to any known mechanical or pressure type surface-to-surface contact connector. Because the connection produced is a molecular bond, an exothermically welded connection will not loosen or increase in resistance over the lifetime of the installation.

As recommended by IEC and IEEE regulations all earthing system connections should be made by exothermic weld. Connections should include, but not be limited to, all cable to cable splices, T s, X s, etc.; all cable to earthing rods, earthing rod splices, cable to steel and cast iron, cable lug terminations, bus bar connections and cable to rail connections.

## THE TECTOWELD MOLD



### Advantages of Exothermic Welding:

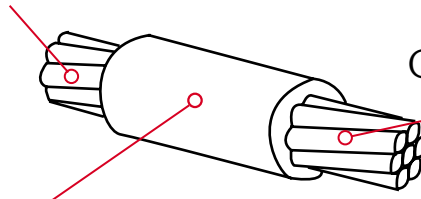
- Current carrying (fusing) capacity equal to that of the conductor
- Will not deteriorate with age
- Permanent molecular bond that cannot loosen or corrode
- Will withstand repeated faults
- Low labour costs
- No special skills required
- No external power or heat required
- Can be checked visually for quality
- Portable.

Exothermic welding is applicable to materials other than copper, some of these are listed below.

- |                     |                   |                          |           |
|---------------------|-------------------|--------------------------|-----------|
| - Common steel      | - Stainless steel | - Steel rail             | - Monel   |
| - Copper-clad Steel | - Cast iron       | - Columbium              | - Niobium |
| - Bronze            | - Brass           | - Commercially pure iron |           |
| - Wrought iron      | - Silicon Bronze  | - Galvanised             |           |

## Part Numbering & Ordering Information

Conductor A 95mm<sup>2</sup>



Conductor B 35mm<sup>2</sup>

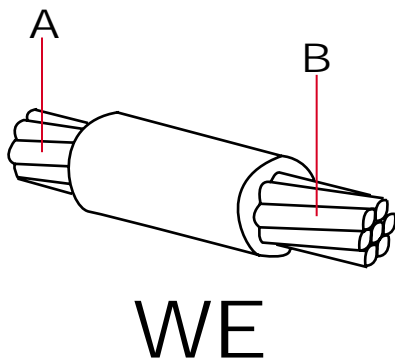
Type WE connection

WE-95/35

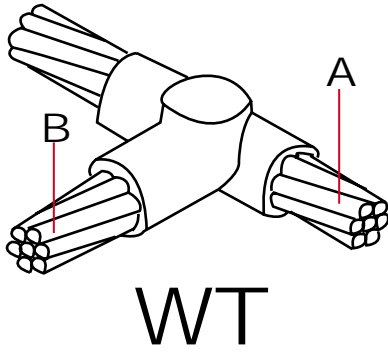
Mold Type

Conductor A

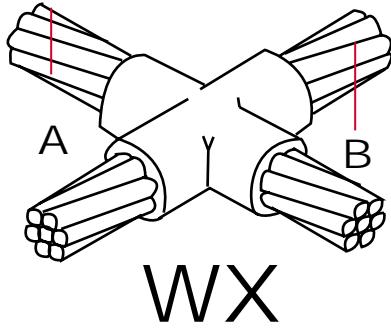
Conductor B



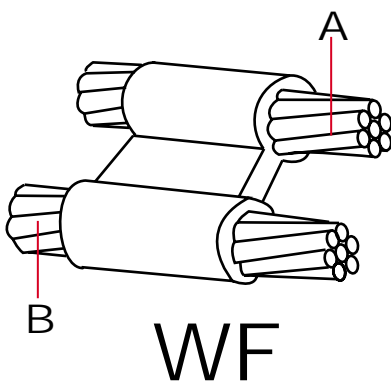
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10 mm <sup>2</sup>	10mm <sup>2</sup>	WE-10/10	3	32
16	16	WE-16/16	3	32
25	25	WE-25/25	3	32
30	30	WE-30/30	3	32
35	35	WE-35/35	3	32
50	50	WE-50/50	3	45
70	70	WE-70/70	3	65
95	95	WE-95/95	3	90
120	120	WE-120/120	3	115
150	150	WE-150/150	3	115
185	185	WE-185/185	3	150
240	240	WE-240/240	3	200
300	300	WE-300/300	3	250
400	400	WE-400/400	4	2 X 150
500	500	WE-500/500	4	2 X 200



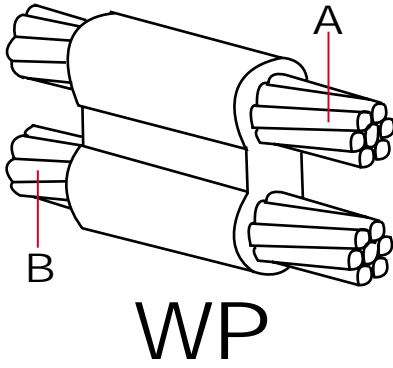
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10 mm <sup>2</sup>	10mm <sup>2</sup>	WT-10/10	3	32
16	16	WT-16/16	3	45
25	25	WT-25/25	3	45
25	16	WT-25/16	3	45
30	30	WT-30/30	3	45
30	25	WT-30/25	3	45
30	16	WT-30/16	3	45
35	35	WT-35/35	3	45
35	30	WT-35/30	3	45
35	25	WT-35/25	3	45
35	16	WT-35/16	3	45
50	50	WT-50/50	3	90
50	35	WT-50/35	3	45
50	30	WT-50/30	3	45
50	25	WT-50/25	3	45
50	16	WT-50/16	3	45
70	70	WT-70/70	3	90
70	50	WT-70/50	3	90
70	35	WT-70/35	3	65
70	30	WT-70/30	3	65
70	25	WT-70/25	3	65
70	16	WT-70/16	3	65
95	95	WT-95/95	3	115
95	70	WT-95/70	3	90
95	50	WT-95/50	3	90
95	35	WT-95/35	3	90
95	30	WT-95/30	3	90
95	25	WT-95/25	3	65
95	16	WT-95/16	3	65
120	120	WT-120/120	3	150
120	95	WT-120/95	3	150
120	70	WT-120/70	3	90
120	50	WT-120/50	3	90
120	35	WT-120/35	3	90
150	150	WT-150/150	3	200
150	120	WT-150/120	3	150
150	95	WT-150/95	3	150
150	70	WT-150/70	3	90
150	50	WT-150/50	3	90
150	35	WT-150/35	3	90
150	30	WT-150/30	3	90
150	25	WT-150/25	3	90
185	185	WT-185/185	3	200
185	150	WT-185/150	3	200
185	120	WT-185/120	3	200
185	95	WT-185/95	3	150
240	240	WT-240/240	3	2 X 150
240	185	WT-240/185	3	200
240	150	WT-240/150	3	200
240	120	WT-240/120	3	200
240	95	WT-240/95	3	200
300	300	WT-300/300	4	2 X 200
300	240	WT-300/240	4	2 X 200
300	185	WT-300/185	3	250
300	150	WT-300/150	3	200



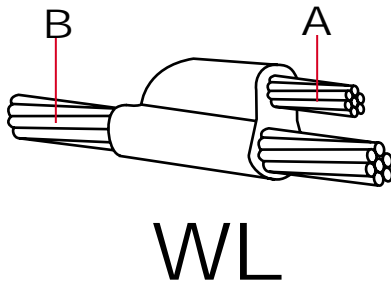
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10 mm <sup>2</sup>	10mm <sup>2</sup>	WX-10/10	3	32
16	16	WX-16/16	3	45
25	25	WX-25/25	3	45
30	30	WX-30/30	3	65
35	35	WX-35/35	3	65
35	25	WX-35/25	3	65
50	50	WX-50/50	3	90
50	35	WX-50/35	3	90
50	25	WX-50/25	3	90
70	70	WX-70/70	3	115
70	50	WX-70/50	3	115
70	35	WX-70/35	3	115
70	25	WX-70/25	3	115
95	95	WX-95/95	3	150
95	70	WX-95/70	3	150
95	50	WX-95/50	3	115
95	35	WX-95/35	3	115
120	120	WX-120/120	3	200
120	95	WX-120/95	3	200
120	70	WX-120/70	3	150
120	50	WX-120/50	3	150
120	35	WX-120/35	3	150
120	25	WX-120/25	3	150
150	150	WX-150/150	3	250
150	120	WX-150/120	3	250
150	95	WX-150/95	3	200
150	70	WX-150/70	3	150
150	50	WX-150/50	3	150
185	185	WX-185/185	3	2 X 150
185	150	WX-185/150	3	250
185	120	WX-185/120	3	250
185	95	WX-185/95	3	200
185	70	WX-185/70	3	200
240	240	WX-240/240	4	2 X 250
240	185	WX-240/185	4	2 X 200
240	150	WX-240/150	4	2 X 200
240	120	WX-240/120	4	2 X 150



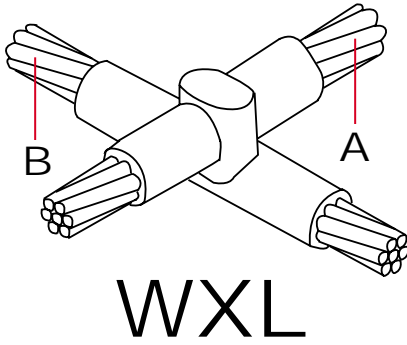
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	10mm <sup>2</sup>	WF-10/10	3	45
16	16	WF-16/16	3	45
25	25	WF-25/25	3	45
30	30	WF-30/30	3	65
35	35	WF-35/35	3	65
35	25	WF-35/25	3	65
50	50	WF-50/50	3	90
50	35	WF-50/35	3	90
50	25	WF-50/25	3	90
70	70	WF-70/70	3	115
70	50	WF-70/50	3	115
70	35	WF-70/35	3	90
70	25	WF-70/25	3	90
95	95	WF-95/95	3	150
95	70	WF-95/70	3	150
95	50	WF-95/50	3	150
95	35	WF-95/35	3	115
120	120	WF-120/120	3	200
120	95	WF-120/95	3	200
120	70	WF-120/70	3	200
120	50	WF-120/50	3	150



Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	10mm <sup>2</sup>	WP-10/10	3	45
16	16	WP-16/16	3	45
25	25	WP-25/25	3	45
30	30	WP-30/30	3	45
35	35	WP-35/35	3	65
35	30	WP-35/30	3	65
50	50	WP-50/50	3	90
50	35	WP-50/35	3	90
50	25	WP-50/25	3	65
70	70	WP-70/70	3	115
70	50	WP-70/50	3	115
70	35	WP-70/35	3	90
70	30	WP-70/30	3	90
95	95	WP-95/95	3	150
95	70	WP-95/70	3	150
95	50	WP-95/50	3	115
95	35	WP-95/35	3	115
120	120	WP-120/120	3	200
120	95	WP-120/95	3	200
120	70	WP-120/70	3	150
120	50	WP-120/50	3	150
150	150	WP-150/150	4	2 X 150
150	120	WP-150/120	3	250
150	95	WP-150/95	3	200
150	70	WP-150/70	3	150
185	185	WP-185/185	4	2 X 150
185	150	WP-185/150	4	2 X 150
185	120	WP-185/120	3	250
185	95	WP-185/95	3	200
240	240	WP-240/240	4	2 X 200
240	185	WP-240/185	4	2 X 150
240	150	WP-240/150	4	2 X 150
240	120	WP-240/120	4	250
300	300	WP-300/300	4	2 X 250
300	240	WP-300/240	4	2 X 250
300	185	WP-300/185	4	2 X 200
300	150	WP-300/150	4	2 X 150
240	95	WX-240/95	4	250
120	30	WT-120/30	3	90
120	25	WT-120/25	3	90
120	16	WT-120/16	3	90

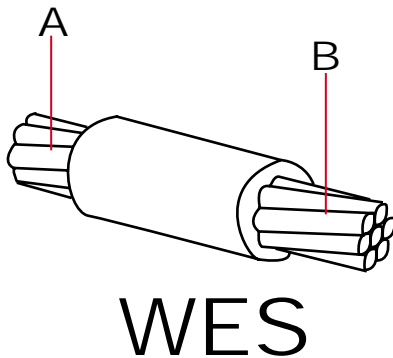


Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	10mm <sup>2</sup>	WL-10/10	3	45
16	16	WL-16/16	3	45
25	25	WL-25/25	3	45
30	30	WL-30/30	3	65
35	35	WL-35/35	3	65
35	25	WL-35/25	3	65
50	50	WL-50/50	3	90
50	35	WL-50/35	3	65
50	25	WL-50/25	3	65
70	70	WL-70/70	3	115
70	50	WL-70/50	3	115
70	35	WL-70/35	3	90
70	25	WL-70/25	3	90
95	95	WL-95/95	3	150
95	70	WL-95/70	3	115
95	50	WL-95/50	3	115
95	35	WL-95/35	3	115
120	120	WL-120/120	3	200
120	95	WL-120/95	3	200
120	70	WL-120/70	3	150
120	50	WL-120/50	3	115



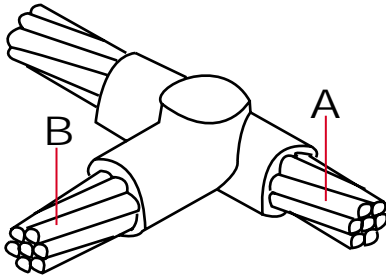
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10 mm <sup>2</sup>	10mm <sup>2</sup>	WXL-10/10	5	65
16	16	WXL-16/16	5	65
25	25	WXL-25/25	5	90
30	30	WXL-30/30	5	90
35	35	WXL-35/35	5	90
35	25	WXL-35/25	5	90
50	50	WXL-50/50	10	150
50	35	WXL-50/35	10	150
50	25	WXL-50/25	10	115
70	70	WXL-70/70	10	200
70	50	WXL-70/50	10	150
70	35	WXL-70/35	10	115
70	25	WXL-70/25	10	115
95	95	WXL-95/95	10	250
95	70	WXL-95/70	10	200
95	50	WXL-95/50	10	150
95	35	WXL-95/35	10	150
120	120	WXL-120/120	10	2 X 150
120	95	WXL-120/95	10	250
120	70	WXL-120/70	10	200
120	50	WXL-120/50	10	200
120	35	WXL-120/35	10	150
120	25	WXL-120/25	10	150
150	150	WXL-150/150	11	2 X 200
150	120	WXL-150/120	11	2 X 200
150	95	WXL-150/95	10	2 X 150
150	70	WXL-150/70	10	250
150	50	WXL-150/50	10	200
185	185	WXL-185/185	11	3 X 200
185	150	WXL-185/150	11	3 X 200
185	120	WXL-185/120	11	2 X 250
185	95	WXL-185/95	11	2 X 200
185	70	WXL-185/70	10	2 X 150
240	240	WXL-240/240	11	3 X 250
240	185	WXL-240/185	11	3 X 200
240	150	WXL-240/150	11	3 X 200
240	120	WXL-240/120	11	2 X 250
240	95	WXL-240/95	11	2 X 250

NOTE: For WXL connections mold price codes 10 & 11 include a handle clamp.



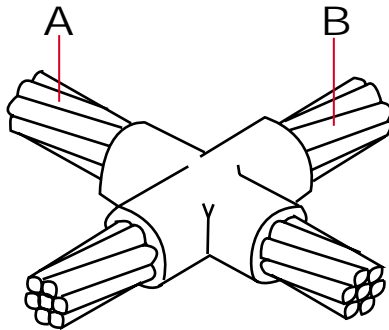
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	10mm <sup>2</sup>	WES-10/10	2	32
16	16	WES-16/16	2	32
25	25	WES-25/25	2	32
30	30	WES-30/30	2	32
35	35	WES-35/35	2	32
50	50	WES-50/50	2	45





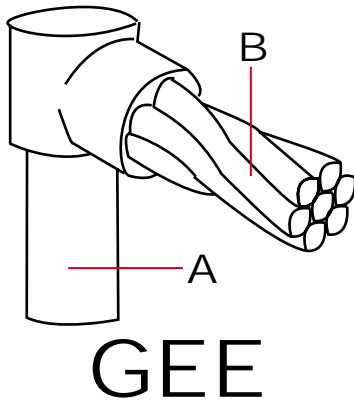
WTS

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	10mm <sup>2</sup>	WTS-10/10	2	45
16	16	WTS-16/16	2	45
25	25	WTS-25/25	2	45
25	16	WTS-25/16	2	45
30	30	WTS-30/30	2	45
30	25	WTS-30/25	2	45
30	16	WTS-30/16	2	45
35	35	WTS-35/35	2	45
35	30	WTS-35/30	2	45
35	25	WTS-35/25	2	45
35	16	WTS-35/16	2	45
50	50	WTS-50/50	2	90
50	35	WTS-50/35	2	65
50	30	WTS-50/30	2	65
50	25	WTS-50/25	2	45
50	16	WTS-50/16	2	45

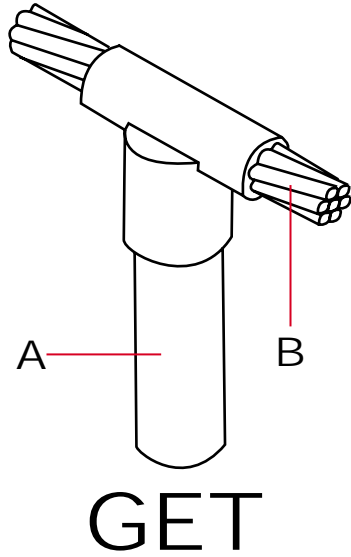


WXS

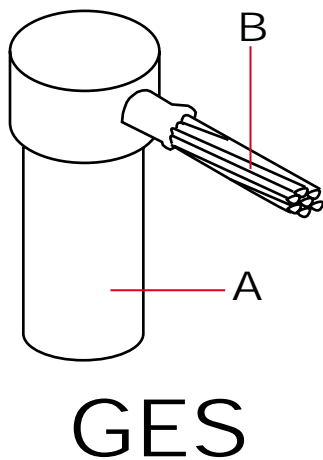
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	10mm <sup>2</sup>	WXS-10/10	2	45
16	16	WXS-16/16	2	45
25	25	WXS-25/25	2	45
30	30	WXS-30/30	2	45
35	35	WXS-35/35	2	65
35	25	WXS-35/25	2	65
50	50	WXS-50/50	2	90
50	35	WXS-50/35	2	90
50	25	WXS-50/25	2	90



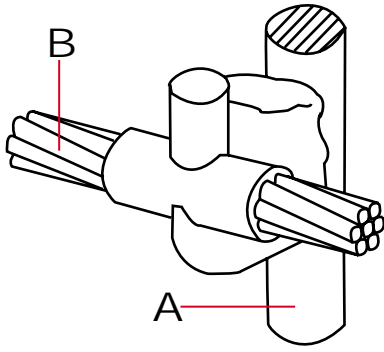
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	16mm <sup>2</sup>	GEE-12/16	3	45
	25	GEE-12/25	3	65
	30	GEE-12/30	3	65
	35	GEE-12/35	3	65
	50	GEE-12/50	3	90
	70	GEE-12/70	3	90
	95	GEE-12/95	3	90
	120	GEE-12/120	3	90
5/8 inch [14.3mm]	16	GEE-15/16	3	65
	25	GEE-15/25	3	65
	30	GEE-15/30	3	65
	35	GEE-15/35	3	65
	50	GEE-15/50	3	90
	70	GEE-15/70	3	90
	95	GEE-15/95	3	90
	120	GEE-15/120	3	90
	150	GEE-15/150	3	115
	185	GEE-15/185	3	150
3/4 inch [17.3mm]	25	GEE-18/25	3	90
	30	GEE-18/30	3	90
	35	GEE-18/35	3	90
	50	GEE-18/50	3	90
	70	GEE-18/70	3	90
	95	GEE-18/95	3	90
	120	GEE-18/120	3	90
	150	GEE-18/150	3	115
	185	GEE-18/185	3	150
	240	GEE-18/240	3	200
1 inch [22.4mm]	25	GEE-24/25	3	150
	30	GEE-24/30	3	150
	35	GEE-24/35	3	150
	50	GEE-24/50	3	150
	70	GEE-24/70	3	150
	95	GEE-24/95	3	150
	120	GEE-24/120	3	150
	150	GEE-24/150	3	200
	185	GEE-24/185	3	200
	240	GEE-24/240	3	200
300	GEE-24/300	3	250	



Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	16mm <sup>2</sup>	GET-12/16	3	90
	25	GET-12/25	3	90
	30	GET-12/30	3	90
	35	GET-12/35	3	90
	50	GET-12/50	3	90
	70	GET-12/70	3	115
	95	GET-12/95	3	115
	120	GET-12/120	3	150
5/8 inch [14.3mm]	16	GET-15/16	3	90
	25	GET-15/25	3	90
	30	GET-15/30	3	90
	35	GET-15/35	3	90
	50	GET-15/50	3	90
	70	GET-15/70	3	115
	95	GET-15/95	3	115
	120	GET-15/120	3	150
	150	GET-15/150	3	200
	185	GET-15/185	3	250
3/4 inch [17.3mm]	25	GET-18/25	3	90
	30	GET-18/30	3	90
	35	GET-18/35	3	90
	50	GET-18/50	3	115
	70	GET-18/70	3	115
	95	GET-18/95	3	115
	120	GET-18/120	3	150
	150	GET-18/150	3	200
	185	GET-18/185	3	250
	240	GET-18/240	3	250
1 inch [22.4mm]	25	GET-24/25	3	150
	30	GET-24/30	3	150
	35	GET-24/35	3	150
	50	GET-24/50	3	150
	70	GET-24/70	3	150
	95	GET-24/95	3	150
	120	GET-24/120	3	200
	150	GET-24/150	3	200
	185	GET-24/185	3	250
	240	GET-24/240	3	250
	300	GET-24/300	4	2 X 150

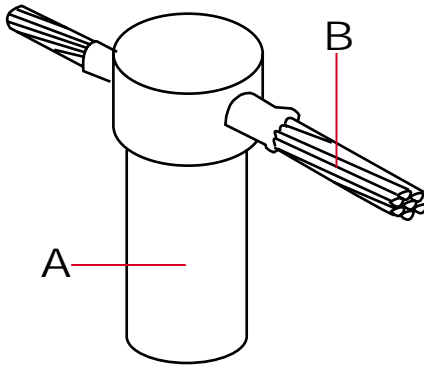


Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch	10mm <sup>2</sup>	GES-12/10	2	45
	16	GES-12/16	2	45
	25	GES-12/25	2	65
	30	GES-12/30	2	65
	35	GES-12/35	2	65
5/8 inch	10	GES-15/10	2	45
	16	GES-15/16	2	65
	25	GES-15/25	2	65
	30	GES-15/30	2	65
3/4 inch	35	GES-15/35	2	65
	10	GES-18/10	2	45
	16	GES-18/16	2	65
	25	GES-18/25	2	65
	30	GES-18/30	2	65
	35	GES-18/35	2	90



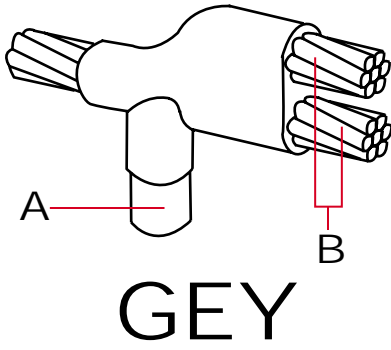
## GST

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	16mm <sup>2</sup>	GST-12/16	7	90
	25	GST-12/25	7	90
	30	GST-12/30	7	90
	35	GST-12/35	7	90
	50	GST-12/50	7	115
	70	GST-12/70	7	115
	95	GST-12/95	7	150
	120	GST-12/120	7	150
5/8 inch [14.3mm]	16	GST-15/16	7	90
	25	GST-15/25	7	90
	30	GST-15/30	7	90
	35	GST-15/35	7	90
	50	GST-15/50	7	115
	70	GST-15/70	7	115
	95	GST-15/95	7	150
	120	GST-15/120	7	150
	150	GST-15/150	7	200
	185	GST-15/185	7	250
240	GST-15/240	8	2 X 200	
3/4 inch [17.3mm]	25	GST-18/25	7	90
	30	GST-18/30	7	90
	35	GST-18/35	7	90
	50	GST-18/50	7	115
	70	GST-18/70	7	150
	95	GST-18/95	7	150
	120	GST-18/120	7	200
	150	GST-18/150	7	200
	185	GST-18/185	8	2 X 200
	240	GST-18/240	8	2 X 250
1 inch [22.4]	25	GST-24/25	7	90
	30	GST-24/30	7	90
	35	GST-24/35	7	90
	50	GST-24/50	7	115
	70	GST-24/70	7	150
	95	GST-24/95	7	150
	120	GST-24/120	7	200
	150	GST-24/150	7	250
	185	GST-24/185	8	2 X 200
	240	GST-24/240	8	2 X 250
300	GST-24/300	8	3 X 200	

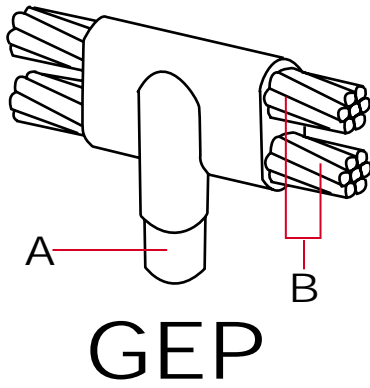


## GTS

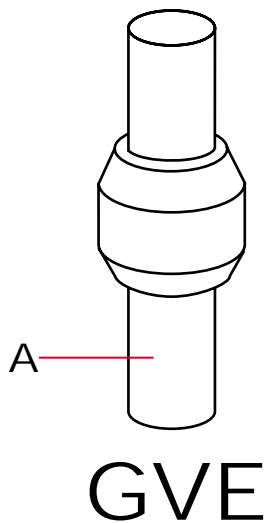
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	10mm <sup>2</sup>	GTS-12/10	2	45
	16	GTS-12/16	2	65
	25	GTS-12/25	2	65
	30	GTS-12/30	2	90
	35	GTS-12/35	2	90
5/8 inch [14.3mm]	10	GTS-15/10	2	45
	16	GTS-15/16	2	65
	25	GTS-15/25	2	65
	30	GTS-15/30	2	90
3/4 inch [17.3mm]	35	GTS-15/35	2	90
	10	GTS-18/10	2	65
	16	GTS-18/16	2	65
	25	GTS-18/25	2	90
	30	GTS-18/30	2	90
35	GTS-18/35	2	90	



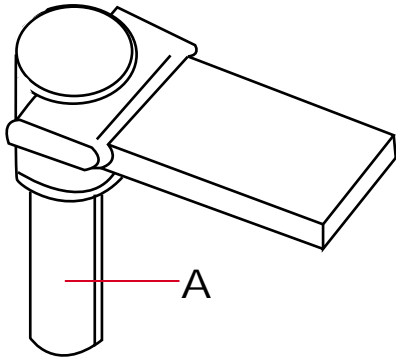
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	16mm <sup>2</sup>	GEY-12/16	5	90
	25	GEY-12/25	5	90
	30	GEY-12/30	5	90
	35	GEY-12/35	5	115
	50	GEY-12/50	5	115
	70	GEY-12/70	5	150
	95	GEY-12/95	5	200
5/8 inch [14.3mm]	16	GEY-15/16	5	90
	25	GEY-15/25	5	90
	30	GEY-15/30	5	115
	35	GEY-15/35	5	115
	50	GEY-15/50	5	150
	70	GEY-15/70	5	200
	95	GEY-15/95	5	250
	120	GEY-15/120	6	2 X 150
	150	GEY-15/150	6	2 X 200
3/4 inch [17.3mm]	25	GEY-18/25	5	115
	30	GEY-18/30	5	115
	35	GEY-18/35	5	150
	50	GEY-18/50	5	150
	70	GEY-18/70	6	200
	95	GEY-18/95	6	250
	120	GEY-18/120	6	2 X 150
	150	GEY-18/150	6	2 X 200
1 inch [22.4mm]	25	GEY-24/25	5	115
	30	GEY-24/30	5	150
	35	GEY-24/35	5	150
	50	GEY-24/50	5	200
	70	GEY-24/70	5	250
	95	GEY-24/95	6	2 X 150
	120	GEY-24/120	6	2 X 200
	150	GEY-24/150	6	3 X 150
	185	GEY-24/185	6	3 X 200
240	GEY-24/240	6	3 X 250	



Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	16mm <sup>2</sup>	GEP-12/16	5	90
	25	GEP-12/25	5	115
	30	GEP-12/30	5	115
	35	GEP-12/35	5	115
	50	GEP-12/50	5	150
	70	GEP-12/70	5	200
	95	GEP-12/95	5	250
5/8 inch [14.3mm]	16	GEP-15/16	5	90
	25	GEP-15/25	5	115
	30	GEP-15/30	5	150
	35	GEP-15/35	5	150
	50	GEP-15/50	5	200
	70	GEP-15/70	5	250
	95	GEP-15/95	6	2 X 150
	120	GEP-15/120	6	2 X 200
	150	GEP-15/150	6	3 X 150
3/4 inch [17.3mm]	185	GEP-15/185	6	2 X 250
	240	GEP-15/240	6	3 X 250
	25	GEP-18/25	5	115
	30	GEP-18/30	5	150
	35	GEP-18/35	5	150
	50	GEP-18/50	5	200
	70	GEP-18/70	6	250
	95	GEP-18/95	6	2 X 150
1 inch [22.4mm]	120	GEP-18/120	6	2 X 200
	150	GEP-18/150	6	3 X 150
	185	GEP-18/185	6	3 X 200
	240	GEP-18/240	6	3 X 250
	25	GEP-24/25	5	150
	30	GEP-24/30	5	200
	35	GEP-24/35	5	200
	50	GEP-24/50	5	250
	70	GEP-24/70	6	2 X 150
95	GEP-24/95	6	2 X 200	
120	GEP-24/120	6	2 X 250	
150	GEP-24/150	6	3 X 200	
185	GEP-24/185	6	3 X 250	
240	GEP-24/240	6	4 X 250	

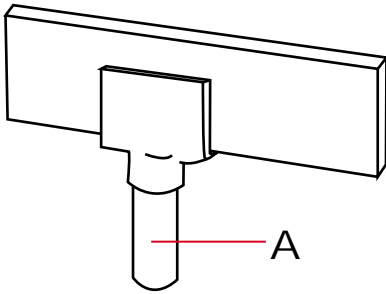


Conductor A	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	GVE-12	3	150
5/8 inch [14.3mm]	GVE-15	4	200
3/4 inch [17.3mm]	GVE-18	4	250



## GBN

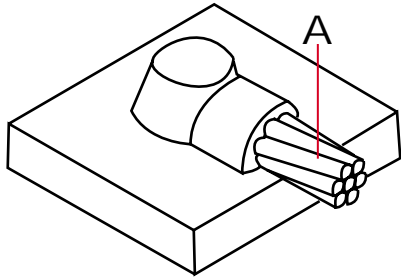
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
1/2 inch [12mm]	2 x 20mm <sup>2</sup>	GBN-12/0220	3	65
	2 X 25	GBN-12/0225	3	65
	2 X 30	GBN-12/0230	3	90
	3 X 20	GBN-12/0320	3	90
	3 X 25	GBN-12/0325	3	90
	3 X 30	GBN-12/0330	3	90
	3 X 40	GBN-12/0340	3	90
	3 X 50	GBN-12/0350	3	115
	4 X 20	GBN-12/0420	3	90
	4 X 25	GBN-12/0425	3	90
5/8 inch [14.3mm]	2 X 30	GBN-15/0230	3	115
	3 X 20	GBN-15/0320	3	90
	3 X 25	GBN-15/0325	3	90
	3 X 30	GBN-15/0330	3	115
	3 X 40	GBN-15/0340	3	115
	3 X 50	GBN-15/0350	3	150
	4 x 20	GBN-15/0420	3	90
	4 X 25	GBN-15/0425	3	115
	5 X 25	GBN-15/0525	3	115
	5 X 30	GBN-15/0530	3	150
	5 X 40	GBN-15/0540	3	150
	5 X 50	GBN-15/0550	3	200
	6 X 25	GBN-15/0625	3	150
	6 X 30	GBN-15/0630	3	150
6 X 40	GBN-15/0640	3	200	
6 X 50	GBN-15/0650	3	200	
3/4 inch (17.3mm)	2 X 30	GBN-18/0230	3	150
	3 X 20	GBN-18/0320	3	115
	3 X 25	GBN-18/0325	3	150
	3 X 30	GBN-18/0330	3	150
	3 X 40	GBN-18/0340	3	200
	3 X 50	GBN-18/0350	4	2 X 150
	4 x 20	GBN-18/0420	3	150
	4 X 25	GBN-18/0425	3	150
3/4 inch	5 X 25	GBN-18/0525	3	150
	5 X 30	GBN-18/0530	3	200
	5 X 40	GBN-18/0540	3	200
	5 X 50	GBN-18/0550	4	2 X 150
	6 X 25	GBN-18/0625	3	200
	6 X 30	GBN-18/0630	3	250
	6 X 40	GBN-18/0640	4	2 X 200
6 X 50	GBN-18/0650	4	2 X 200	



## GBT

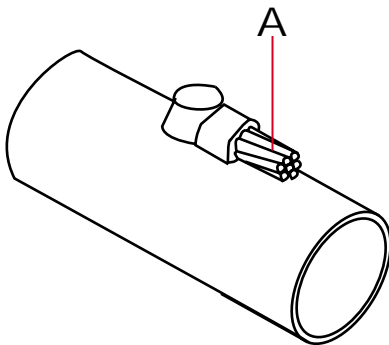
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	
1/2 inch	2 x 20mm	GBT-12/0220	3	65	
	2 X 25	GBT-12/0225	3	65	
	2 X 30	GBT-12/0230	3	90	
	3 X 20	GBT-12/0320	3	90	
	3 X 25	GBT-12/0325	3	90	
	3 X 30	GBT-12/0330	3	90	
	3 X 40	GBT-12/0340	3	90	
	3 X 50	GBT-12/0350	3	115	
	4 X 20	GBT-12/0420	3	90	
	4 X 25	GBT-12/0425	3	90	
	5/8 inch	2 X 30	GBT-15/0230	3	90
		3 X 20	GBT-15/0320	3	90
		3 X 25	GBT-15/0325	3	90
3 X 30		GBT-15/0330	3	115	
3 X 40		GBT-15/0340	3	115	
3 X 50		GBT-15/0350	3	200	
4 x 20		GBT-15/0420	3	90	
4 X 25		GBT-15/0425	3	115	
5 X 25		GBT-15/0525	3	115	
5 X 30		GBT-15/0530	3	150	
5 X 40		GBT-15/0540	3	150	
5 X 50		GBT-15/0550	3	200	
6 X 25		GBT-15/0625	3	150	
6 X 30		GBT-15/0630	3	150	
6 X 40		GBT-15/0640	3	200	
6 X 50	GBT-15/0650	3	250		
3/4 inch	2 X 30	GBT-18/0230	3	150	
	3 X 20	GBT-18/0320	3	150	
	3 X 25	GBT-18/0325	3	150	
	3 X 30	GBT-18/0330	3	150	
	3 X 40	GBT-18/0340	3	200	
	3 X 50	GBT-18/0350	4	2 X 150	
	4 x 20	GBT-18/0420	3	150	
	4 X 25	GBT-18/0425	3	200	
3/4 inch	5 X 25	GBT-18/0525	3	150	
	5 X 30	GBT-18/0530	3	200	
	5 X 40	GBT-18/0540	3	200	
	5 X 50	GBT-18/0550	4	2 X 150	
	6 X 25	GBT-18/0625	3	200	
	6 X 30	GBT-18/0630	3	250	
	6 X 40	GBT-18/0640	3	250	
	6 X 50	GBT-18/0650	4	2 X 150	



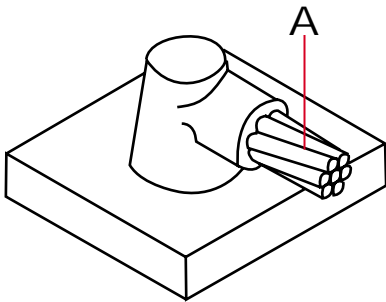


## SHEA

Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16mm <sup>2</sup>	SHEA-16	1	45	
25	SHEA-25	1	45	
30	SHEA-30	1	45	
35	SHEA-35	1	65	DX - 3
50	SHEA-50	3	90	DX - 3
70	SHEA-70	3	115	DX - 3
95	SHEA-95	3	115	DX - 3
120	SHEA-120	3	115	DX - 3
150	SHEA-150	3	150	DX - 3
185	SHEA-185	3	200	DX - 3
240	SHEA-240	3	200	DX - 3
300	SHEA-300	3	250	DX - 3

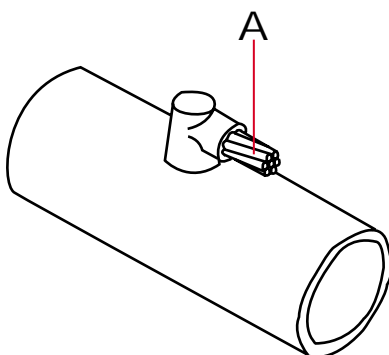


Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16mm <sup>2</sup>	SHEA-16-D	1	45	
25	SHEA-25-D	1	45	
30	SHEA-30-D	1	45	
35	SHEA-35-D	1	65	DX - 3
50	SHEA-50-D	3	90	DX - 3
70	SHEA-70-D	3	115	DX - 3
95	SHEA-95-D	3	115	DX - 3
120	SHEA-120-D	3	115	DX - 3
150	SHEA-150-D	3	150	DX - 3
185	SHEA-185-D	3	200	DX - 3
240	SHEA-240-D	3	200	DX - 3
300	SHEA-300-D	3	250	DX - 3

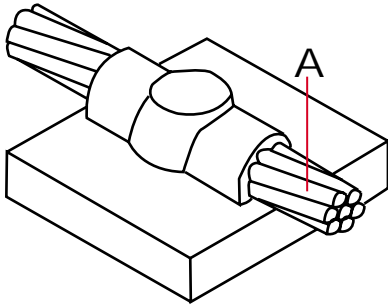


## SHEB

Conductor A	Mold Type	Price Code	Weld Metal
16mm <sup>2</sup>	SHEB-16	2	45
25	SHEB-25	2	45
30	SHEB-30	2	45
35	SHEB-35	2	65
50	SHEB-50	3	90
70	SHEB-70	3	115
95	SHEB-95	3	115
120	SHEB-120	3	115
150	SHEB-150	3	150
185	SHEB-185	3	200
240	SHEB-240	3	200
300	SHEB-300	3	250

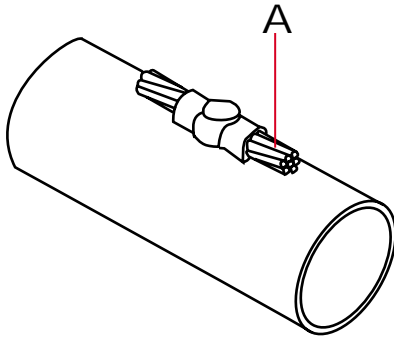


Conductor A	Mold Type	Price Code	Weld Metal
16mm <sup>2</sup>	SHEB-16-D	2	45
25	SHEB-25-D	2	45
30	SHEB-30-D	2	45
35	SHEB-35-D	2	65
50	SHEB-50-D	3	90
70	SHEB-70-D	3	115
95	SHEB-95-D	3	115
120	SHEB-120-D	3	115
150	SHEB-150-D	3	150
185	SHEB-185-D	3	200
240	SHEB-240-D	3	200
300	SHEB-300-D	3	250

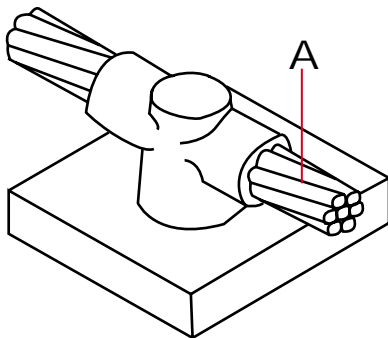


## SHTA

Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16mm <sup>2</sup>	SHTA-16	1	45	
25	SHTA-25	1	45	
30	SHTA-30	1	45	
35	SHTA-35	1	65	DX - 3
50	SHTA-50	3	90	DX - 3
70	SHTA-70	3	115	DX - 3
95	SHTA-95	3	150	DX - 3
120	SHTA-120	3	150	DX - 3
150	SHTA-150	3	200	DX - 3
185	SHTA-185	3	250	DX - 3
240	SHTA-240	4	2 X 150	DX - 3
300	SHTA-300	4	2 X 200	DX - 3

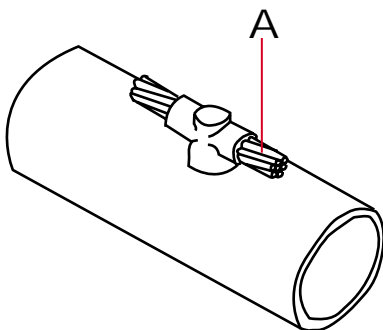


Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16 mm <sup>2</sup>	SHTA-16-D	1	45	
25	S HTA-25-D	1	45	
30	S HTA-30-D	1	45	
35	S HTA-35-D	1	65	DX - 3
50	S HTA-50-D	3	90	DX - 3
70	S HTA-70-D	3	115	DX - 3
95	S HTA-95-D	3	150	DX - 3
120	SHTA-120-D	3	150	DX - 3
150	SHTA-150-D	3	200	DX - 3
185	SHTA-185-D	3	250	DX - 3
240	SHTA-240-D	4	2 X 150	DX - 3
300	SHTA-300-D	4	2 X 200	DX - 3

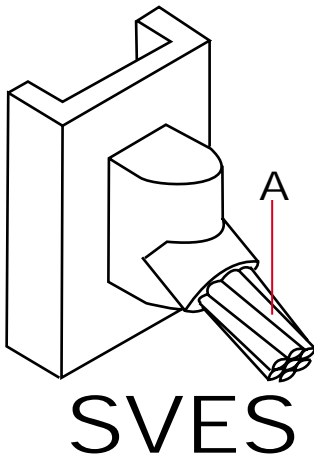


## SHTB

Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SHTB-16	2	45
25	SHTB-25	2	45
30	SHTB-30	2	45
35	SHTB-35	2	65
50	SHTB-50	3	115
70	SHTB-70	3	115
95	SHTB-95	3	150
120	SHTB-120	3	150
150	SHTB-150	3	200
185	SHTB-185	3	250
240	SHTB-240	4	2 X 150
300	SHTB-300	4	2 X 200

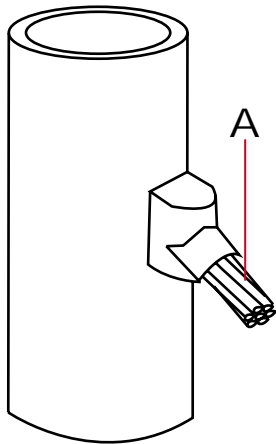


Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SHTB-16-D	2	45
25	SHTB-25-D	2	45
30	SHTB-30-D	2	45
35	SHTB-35-D	2	65
50	SHTB-50-D	3	90
70	SHTB-70-D	3	115
95	SHTB-95-D	3	150
120	SHTB-120-D	3	150
150	SHTB-150-D	3	200
185	SHTB-185-D	3	250
240	SHTB-240-D	4	2 X 150
300	SHTB-300-D	4	2 X 200

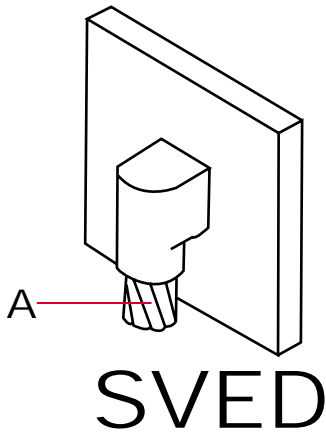


Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SVES-16	3	45
25	SVES-25	3	45
30	SVES-30	3	45
35	SVES-35	3	65
50	SVES-50	3	90
70	SVES-70	3	115
95	SVES-95	3	115
120	SVES-120	3	115
150	SVES-150	3	150
185	SVES-185	3	200
240	SVES-240	3	200
300	SVES-300	3	250

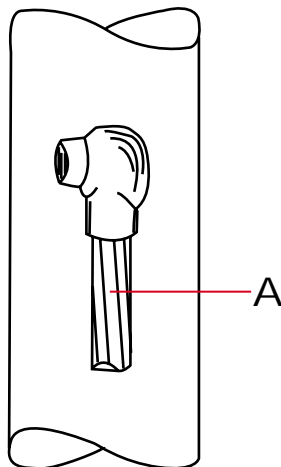
The part numbers for the range of mold types are just a suffix with the diameter range. i.e. SVES-95-1-4 (SVES 95mm<sup>2</sup> wire for pipes 1" dia - 4" dia.).



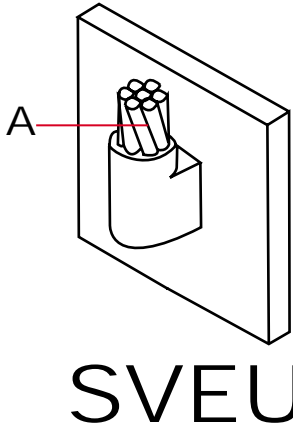
Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SVES-16-D	3	45
25	SVES-25-D	3	45
30	SVES-30-D	3	45
35	SVES-35-D	3	65
50	SVES-50-D	3	90
70	SVES-70-D	3	115
95	SVES-95-D	3	115
120	SVES-120-D	3	115
150	SVES-150-D	3	150
185	SVES-185-D	3	200
240	SVES-240-D	3	200
300	SVES-300-D	3	250



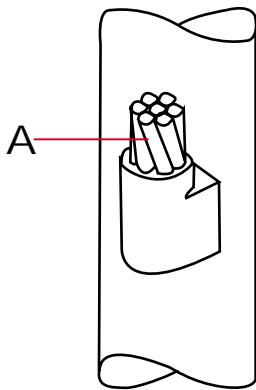
Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16mm <sup>2</sup>	SVED-16	3	65	
25	SVED-25	3	65	
30	SVED-30	3	65	
35	SVED-35	3	90	
50	SVED-50	3	90	DX - 3
70	SVED-70	3	150	DX - 3
95	SVED-95	3	150	DX - 3
120	SVED-120	3	200	DX - 3
150	SVED-150	3	200	DX - 3
185	SVED-185	3	250	DX - 3
240	SVED-240	5	2 X 150	DX - 3
300	SVED-300	5	2 X 200	DX - 3



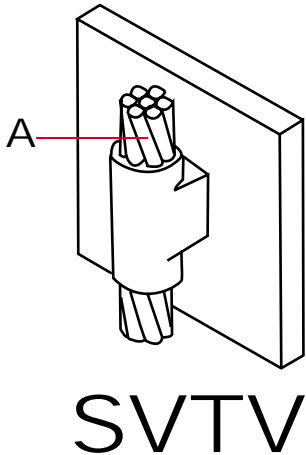
Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SVED-16-D	3	65
25	SVED-25-D	3	65
30	SVED-30-D	3	65
35	SVED-35-D	3	90
50	SVED-50-D	3	90
70	SVED-70-D	3	150
95	SVED-95-D	3	150
120	SVED-120-D	3	200
150	SVED-150-D	3	200
185	SVED-185-D	3	250
240	SVED-240-D	5	2 X 150
300	SVED-300-D	5	2 X 200



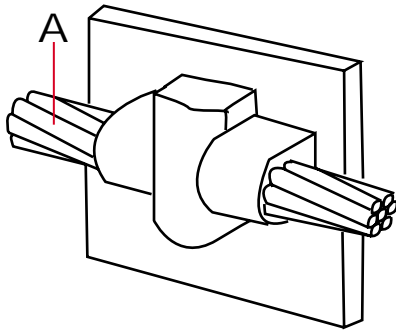
Conductor A	Mold Type	Price Code	Weld Metal
16mm <sup>2</sup>	SVEU-16	3	65
25	SVEU-25	3	65
30	SVEU-30	3	65
35	SVEU-35	3	90
50	SVEU-50	3	90
70	SVEU-70	3	150
95	SVEU-95	3	150
120	SVEU-120	3	200
150	SVEU-150	3	200
185	SVEU-185	3	250
240	SVEU-240	5	2 X 150
300	SVEU-300	5	2 X 200



Conductor A	Mold Type	Price Code	Weld Metal
16mm <sup>2</sup>	SVEU-16-D	3	65
25	SVEU-25-D	3	65
30	SVEU-30-D	3	65
35	SVEU-35-D	3	90
50	SVEU-50-D	3	90
70	SVEU-70-D	3	150
95	SVEU-95-D	3	150
120	SVEU-120-D	3	200
150	SVEU-150-D	3	200
185	SVEU-185-D	3	250
240	SVEU-240-D	5	2 X 150
300	SVEU-300-D	5	2 X 200

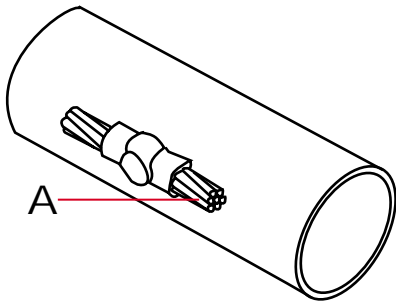


Conductor A	Mold Type	Price Code	Weld Metal
16mm <sup>2</sup>	SVTV-16	3	90
25	SVTV-25	3	90
30	SVTV-30	3	90
35	SVTV-35	3	115
50	SVTV-50	5	150
70	SVTV-70	5	200
95	SVTV-95	5	250
120	SVTV-120	5	250
150	SVTV-150	5	2 X 150

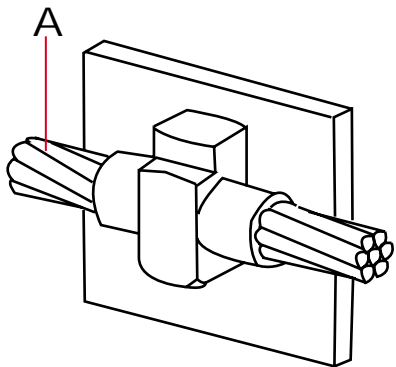


## SVTHA

Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16 mm <sup>2</sup>	SVTHA-16	3	45	
25	SVTHA-25	3	45	
30	SVTHA-30	3	45	
35	SVTHA-35	3	65	
50	SVTHA-50	3	90	DX - 3
70	SVTHA-70	3	115	DX - 3
95	SVTHA-95	3	150	DX - 3
120	SVTHA-120	3	150	DX - 3
150	SVTHA-150	3	200	DX - 3
185	SVTHA-185	3	200	DX - 3
240	SVTHA-240	3	250	DX - 3
300	SVTHA-300	3	2 X 200	DX - 3

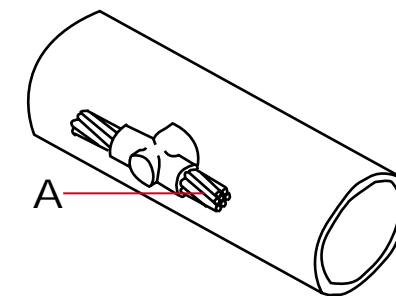


Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16mm <sup>2</sup>	SVTHA-16-D	3	45	
25	SVTHA-25-D	3	45	
30	SVTHA-30-D	3	45	
35	SVTHA-35-D	3	60	
50	SVTHA-50-D	3	90	DX - 3
70	SVTHA-70-D	3	115	DX - 3
95	SVTHA-95-D	3	150	DX - 3
120	SVTHA-120-D	3	150	DX - 3
150	SVTHA-150-D	3	200	DX - 3
185	SVTHA-185-D	3	250	DX - 3
240	SVTHA-240-D	4	2 X 150	DX - 3
300	SVTHA-300-D	4	2 X 200	DX - 3

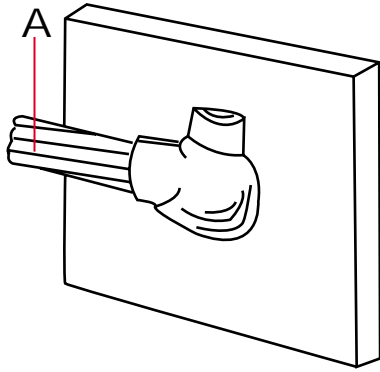


## SVTHB

Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SVTHB-16	3	65
25	SVTHB-25	3	65
30	SVTHB-30	3	65
35	SVTHB-35	3	90
50	SVTHB-50	3	115
70	SVTHB-70	3	150
95	SVTHB-95	3	150
120	SVTHB-120	3	150
150	SVTHB-150	3	200
185	SVTHB-185	3	250
240	SVTHB-240	5	2 X 150
300	SVTHB-300	5	2 X 200

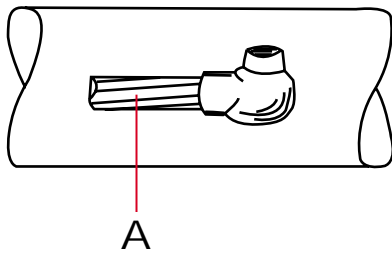


Conductor A	Mold Type	Price Code	Weld Metal
16 mm <sup>2</sup>	SVTHB-16-D	3	65
25	SVTHB-25-D	3	65
30	SVTHB-30-D	3	65
35	SVTHB-35-D	3	90
50	SVTHB-50-D	3	90
70	SVTHB-70-D	3	115
95	SVTHB-95-D	3	150
120	SVTHB-120-D	3	150
150	SVTHB-150-D	3	200
185	SVTHB-185-D	3	250
240	SVTHB-240-D	4	2 X 150
300	SVTHB-300-D	4	2 X 200

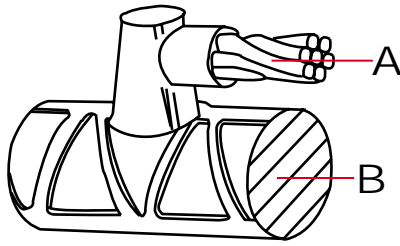


## SVEH

Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16mm <sup>2</sup>	SVEH-16-(L/R)	3	45	
25	SVEH-25-(L/R)	3	45	
30	SVEH-30-(L/R)	3	45	
35	SVEH-35-(L/R)	3	65	
50	SVEH-50-(L/R)	3	90	DX - 3
70	SVEH-70-(L/R)	3	115	DX - 3
95	SVEH-95-(L/R)	3	115	DX - 3
120	SVEH-120-(L/R)	3	115	DX - 3
150	SVEH-150-(L/R)	3	150	DX - 3
185	SVEH-185-(L/R)	3	200	DX - 3
240	SVEH-240-(L/R)	3	200	DX - 3
300	SVEH-300-(L/R)	3	250	DX - 3

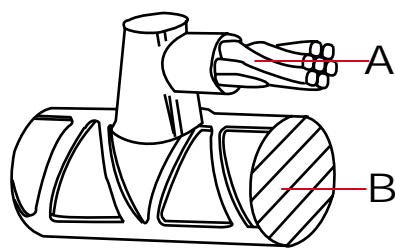


Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
16 mm <sup>2</sup>	SVEH16-(L/R)D	3	45	
25	SVEH-25-(L/R)D	3	45	
30	SVEH-30-(L/R)D	3	45	
35	SVEH-35-(L/R)D	3	65	
50	SVEH-50-(L/R)D	3	90	DX - 3
70	SVEH-70-(L/R)D	3	115	DX - 3
95	SVEH-95-(L/R)D	3	115	DX - 3
120	SVEH-120-(L/R)D	3	115	DX - 3
150	SVEH-150-(L/R)D	3	150	DX - 3
185	SVEH-185-(L/R)D	3	200	DX - 3
240	SVEH-240-(L/R)D	3	200	DX - 3
300	SVEH-300-(L/R)D	3	250	DX - 3



## RHEH

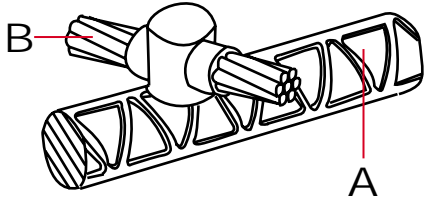
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	DuxSeal
10mm (diameter)	16mm <sup>2</sup>	RHEH-10/16	3	25	DX-3
	25	RHEH-10/25	3	32	DX-3
	30	RHEH-10/30	3	45	DX-3
	35	RHEH-10/35	3	65	DX-3
	50	RHEH-10/50	3	90	DX-3
	70	RHEH-10/70	3	90	DX-3
	95	RHEH-10/95	3	115	DX-3
	120	RHEH-10/120	3	150	DX-3
13mm (diameter)	16	RHEH-13/16	3	25	DX-3
	25	RHEH-13/25	3	32	DX-3
	30	RHEH-13/30	3	45	DX-3
	35	RHEH-13/35	3	65	DX-3
	50	RHEH-13/50	3	90	DX-3
	70	RHEH-13/70	3	90	DX-3
	95	RHEH-13/95	3	115	DX-3
	120	RHEH-13/120	3	150	DX-3
16mm (diameter)	16	RHEH-16/16	3	25	DX-3
	25	RHEH-16/25	3	32	DX-3
	30	RHEH-16/30	3	45	DX-3
	35	RHEH-16/35	3	65	DX-3
	50	RHEH-16/50	3	90	DX-3
	70	RHEH-16/70	3	90	DX-3
	95	RHEH-16/95	3	115	DX-3
	120	RHEH-16/120	3	150	DX-3
19mm (diameter)	16	RHEH-19/16	3	25	DX-3
	25	RHEH-19/25	3	32	DX-3
	30	RHEH-19/30	3	45	DX-3
	35	RHEH-19/35	3	65	DX-3
	50	RHEH-19/50	9	90	DX-3
	70	RHEH-19/70	9	90	DX-3
	95	RHEH-19/95	9	115	DX-3
	120	RHEH-19/120	9	150	DX-3
22mm (diameter)	16	RHEH-22/16	3	25	DX-3
	25	RHEH-22/25	3	32	DX-3
	30	RHEH-22/30	3	45	DX-3
	35	RHEH-22/35	3	65	DX-3
	50	RHEH-22/50	9	90	DX-3
	70	RHEH-22/70	9	90	DX-3
	95	RHEH-22/95	9	115	DX-3
	120	RHEH-22/120	9	150	DX-3



## RHEH

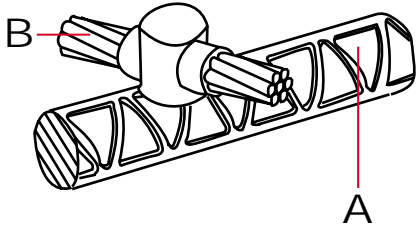
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	DuxSeal
25mm (diameter)	30mm <sup>2</sup>	RHEH-25/30	3	45	DX-3
	35	RHEH-25/35	3	65	DX-3
	50	RHEH-25/50	3	90	DX-3
	70	RHEH-25/70	3	115	DX-3
	95	RHEH-25/95	3	115	DX-3
	120	RHEH-25/120	3	150	DX-3
29mm (diameter)	30	RHEH-29/30	1	45	DX-3
	35	RHEH-29/35	1	65	DX-3
	50	RHEH-29/50	3	90	DX-3
	70	RHEH-29/70	3	115	DX-3
	95	RHEH-29/95	3	115	DX-3
	120	RHEH-29/120	3	150	DX-3
32mm (diameter)	30	RHEH-32/30	1	45	DX-3
	35	RHEH-32/35	1	65	DX-3
	50	RHEH-32/50	3	90	DX-3
	70	RHEH-32/70	3	115	DX-3
	95	RHEH-32/95	3	115	DX-3
	120	RHEH-32/120	3	150	DX-3
36mm (diameter)	30	RHEH-36/30	1	45	DX-3
	35	RHEH-36/35	1	65	DX-3
	50	RHEH-36/50	9	90	DX-3
	70	RHEH-36/70	9	115	DX-3
	95	RHEH-36/95	9	115	DX-3
	120	RHEH-36/120	9	150	DX-3
43mm (diameter)	30	RHEH-43/30	9	45	DX-3
	35	RHEH-43/35	9	65	DX-3
	50	RHEH-43/50	9	90	DX-3
	70	RHEH-43/70	9	115	DX-3
	95	RHEH-43/95	9	115	DX-3
	120	RHEH-43/120	9	150	DX-3
57mm (diameter)	50	RHEH-57/50	9	90	DX-3
	70	RHEH-57/70	9	115	DX-3
	95	RHEH-57/95	9	115	DX-3
	120	RHEH-57/120	9	150	DX-3





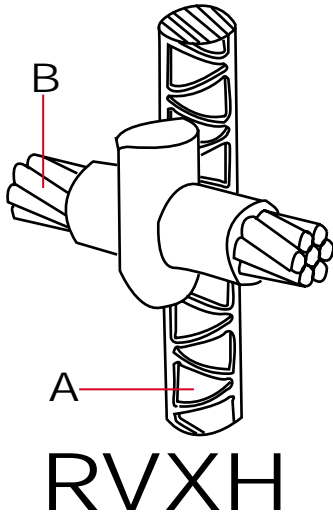
## RHXH

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	DuxSeal
10mm (diameter)	16mm <sup>2</sup>	RHXH-10/16	3	65	DX-3
	25	RHXH-10/25	3	65	DX-3
	30	RHXH-10/30	3	90	DX-3
	35	RHXH-10/35	3	90	DX-3
	50	RHXH-10/50	10	115	DX-3
	70	RHXH-10/70	10	115	DX-3
	95	RHXH-10/95	10	150	DX-3
	120	RHXH-10/120	10	200	DX-3
13mm (diameter)	16	RHXH-13/16	3	65	DX-3
	25	RHXH-13/25	3	65	DX-3
	30	RHXH-13/30	3	90	DX-3
	35	RHXH-13/35	10	90	DX-3
	50	RHXH-13/50	10	115	DX-3
	70	RHXH-13/70	10	115	DX-3
	95	RHXH-13/95	10	150	DX-3
	120	RHXH-13/120	10	200	DX-3
16mm (diameter)	16	RHXH-16/16	3	65	DX-3
	25	RHXH-16/25	3	65	DX-3
	30	RHXH-16/30	3	90	DX-3
	35	RHXH-16/35	10	90	DX-3
	50	RHXH-16/50	10	115	DX-3
	70	RHXH-16/70	10	115	DX-3
	95	RHXH-16/95	10	150	DX-3
	120	RHXH-16/120	10	200	DX-3
19mm (diameter)	16	RHXH-19/16	9	65	DX-3
	25	RHXH-19/25	9	65	DX-3
	30	RHXH-19/30	9	90	DX-3
	35	RHXH-19/35	9	90	DX-3
	50	RHXH-19/50	9	115	DX-3
	70	RHXH-19/70	9	115	DX-3
	95	RHXH-19/95	9	150	DX-3
	120	RHXH-19/120	9	200	DX-3
22mm (diameter)	16	RHXH-22/16	9	65	DX-3
	25	RHXH-22/25	9	65	DX-3
	30	RHXH-22/30	9	90	DX-3
	35	RHXH-22/35	9	90	DX-3
	50	RHXH-22/50	9	115	DX-3
	70	RHXH-22/70	9	115	DX-3
	95	RHXH-22/95	9	150	DX-3
	120	RHXH-22/120	9	200	DX-3

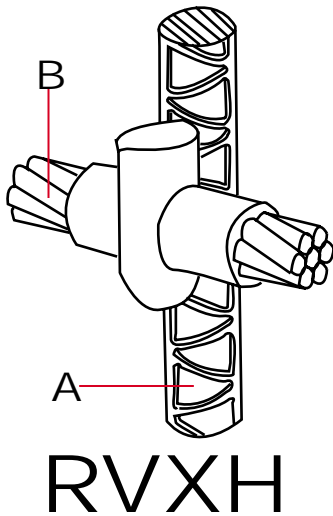


## RHXH

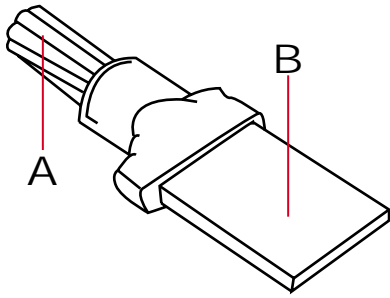
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	DuxSeal
25mm (diameter)	30mm <sup>2</sup>	RHXH-25/30	9	90	DX-3
	35	RHXH-25/35	9	90	DX-3
	50	RHXH-25/50	9	115	DX-3
	70	RHXH-25/70	9	115	DX-3
	95	RHXH-25/95	9	150	DX-3
	120	RHXH-25/120	9	200	DX-3
29mm (diameter)	30	RHXH-29/30	9	90	DX-3
	35	RHXH-29/35	9	90	DX-3
	50	RHXH-29/50	9	115	DX-3
	70	RHXH-29/70	9	115	DX-3
	95	RHXH-29/95	9	150	DX-3
	120	RHXH-29/120	9	200	DX-3
32mm (diameter)	30	RHXH-32/30	9	90	DX-3
	35	RHXH-32/35	9	90	DX-3
	50	RHXH-32/50	9	115	DX-3
	70	RHXH-32/70	9	115	DX-3
	95	RHXH-32/95	9	150	DX-3
	120	RHXH-32/120	9	200	DX-3
36mm (diameter)	30	RHXH-36/30	9	90	DX-3
	35	RHXH-36/35	9	90	DX-3
	50	RHXH-36/50	9	115	DX-3
	70	RHXH-36/70	9	115	DX-3
	95	RHXH-36/95	9	150	DX-3
	120	RHXH-36/120	9	200	DX-3
43mm (diameter)	30	RHXH-43/30	9	90	DX-3
	35	RHXH-43/35	9	90	DX-3
	50	RHXH-43/50	9	115	DX-3
	70	RHXH-43/70	9	115	DX-3
	95	RHXH-43/95	9	150	DX-3
	120	RHXH-43/120	9	200	DX-3
57mm (diameter)	50	RHXH-57/50	9	115	DX-3
	70	RHXH-57/70	9	115	DX-3
	95	RHXH-57/95	9	150	DX-3
	120	RHXH-57/120	9	200	DX-3



Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	DuxSeal
10mm (diameter)	16mm <sup>2</sup>	RVXH-10/16	7	90	DX-3
	25	RVXH-10/25	7	90	DX-3
	30	RVXH-10/30	7	90	DX-3
	35	RVXH-10/35	7	90	DX-3
	50	RVXH-10/50	7	115	DX-3
	70	RVXH-10/70	7	150	DX-3
	95	RVXH-10/95	7	150	DX-3
13mm (diameter)	120	RVXH-10/120	7	200	DX-3
	16	RVXH-13/16	7	90	DX-3
	25	RVXH-13/25	7	90	DX-3
	30	RVXH-13/30	7	90	DX-3
	35	RVXH-13/35	7	90	DX-3
	50	RVXH-13/50	7	115	DX-3
	70	RVXH-13/70	7	150	DX-3
16mm (diameter)	95	RVXH-13/95	7	150	DX-3
	120	RVXH-13/120	7	200	DX-3
	16	RVXH-16/16	7	90	DX-3
	25	RVXH-16/25	7	90	DX-3
	30	RVXH-16/30	7	90	DX-3
	35	RVXH-16/35	7	90	DX-3
	50	RVXH-16/50	7	115	DX-3
19mm (diameter)	70	RVXH-16/70	7	150	DX-3
	95	RVXH-16/95	7	150	DX-3
	120	RVXH-16/120	7	200	DX-3
	16	RVXH-19/16	7	90	DX-3
	25	RVXH-19/25	7	90	DX-3
	30	RVXH-19/30	7	90	DX-3
	35	RVXH-19/35	7	90	DX-3
22mm (diameter)	50	RVXH-19/50	7	115	DX-3
	70	RVXH-19/70	7	150	DX-3
	95	RVXH-19/95	7	150	DX-3
	120	RVXH-19/120	7	200	DX-3
	16	RVXH-22/16	7	90	DX-3
	25	RVXH-22/25	7	90	DX-3
	30	RVXH-22/30	7	90	DX-3
22mm (diameter)	35	RVXH-22/35	7	90	DX-3
	50	RVXH-22/50	7	115	DX-3
	70	RVXH-22/70	7	150	DX-3
	95	RVXH-22/95	7	150	DX-3
	120	RVXH-22/120	7	200	DX-3

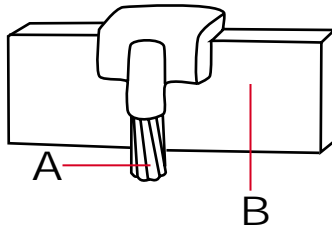


Conductor A	Conductor B	Mold Type	Price Code	Weld Metal	DuxSeal
25mm (diameter)	30mm <sup>2</sup>	RVXH-25/30	7	90	DX-3
	35	RVXH-25/35	7	90	DX-3
	50	RVXH-25/50	7	115	DX-3
	70	RVXH-25/70	7	150	DX-3
	95	RVXH-25/95	7	150	DX-3
	120	RVXH-25/120	7	200	DX-3
29mm (diameter)	30	RVXH-29/30	7	90	DX-3
	35	RVXH-29/35	7	90	DX-3
	50	RVXH-29/50	7	115	DX-3
	70	RVXH-29/70	7	150	DX-3
	95	RVXH-29/95	7	150	DX-3
	120	RVXH-29/120	7	200	DX-3
32mm (diameter)	30	RVXH-32/30	7	90	DX-3
	35	RVXH-32/35	7	90	DX-3
	50	RVXH-32/50	7	115	DX-3
	70	RVXH-32/70	7	150	DX-3
	95	RVXH-32/95	7	150	DX-3
	120	RVXH-32/120	7	200	DX-3
36mm (diameter)	30	RVXH-36/30	7	90	DX-3
	35	RVXH-36/35	7	90	DX-3
	50	RVXH-36/50	7	115	DX-3
	70	RVXH-36/70	7	150	DX-3
	95	RVXH-36/95	7	150	DX-3
	120	RVXH-36/120	7	200	DX-3
43mm (diameter)	30	RVXH-43/30	7	90	DX-3
	35	RVXH-43/35	7	90	DX-3
	50	RVXH-43/50	7	115	DX-3
	70	RVXH-43/70	7	150	DX-3
	95	RVXH-43/95	7	150	DX-3
	120	RVXH-43/120	7	200	DX-3
57mm (diameter)	50	RVXH-57/50	7	115	DX-3
	70	RVXH-57/70	7	150	DX-3
	95	RVXH-57/95	7	150	DX-3
	120	RVXH-57/120	7	200	DX-3



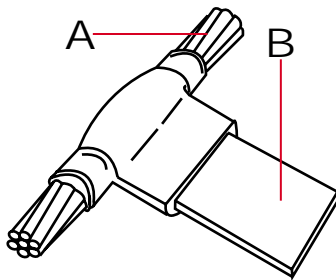
PK

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	2 X 20mm	PK-10/0220	3	32
16	3 X 25	PK-16/0325	3	45
25	3 X 25	PK-25/0325	3	45
30	3 X 25	PK-30/0325	3	45
35	3 X 25	PK-35/0325	3	45
50	3 X 25	PK-50/0325	3	65
	4 X 25	PK-50/0425	3	65
	5 X 25	PK-50/0525	3	65
70	3 X 25	PK-70/0325	3	65
	4 X 25	PK-70/0425	3	65
	5 X 25	PK-70/0525	3	65
95	4 X 25	PK-95/0425	3	90
	5 X 25	PK-95/0525	3	90
	5 X 30	PK-95/0530	3	90
	5 X 40	PK-95/0540	3	90
	5 X 50	PK-95-0550	3	90
	6 X 50	PK-95/0650	3	90
120	6 X 75	PK-95/0675	3	90
	5 X 25	PK-120/0525	3	90
	5 X 30	PK-120/0530	3	90
	5 X 40	PK-120/0540	3	115
	5 X 50	PK-120/0550	3	115
	6 X 50	PK-120/0650	3	115
150	6 X 75	PK-120/0675	3	115
	5 X 30	PK-150/0530	3	150
	5 X 40	PK-150/0540	3	150
	5 X 50	PK-150/0550	3	150
	6 X 50	PK-150/0650	3	150
	6 X 75	PK-150/0675	3	150
185	5 X 40	PK-185/0540	3	150
	5 X 50	PK-185/0550	3	200
	6 X 50	PK-185/0650	3	200
	8 X 50	PK-185/0850	3	200
	6 X 75	PK-185/0675	3	200
	8 X 75	PK-185/0875	3	200
240	5 X 50	PK-240/0550	3	250
	6 X 50	PK-240/0650	3	250
	8 X 50	PK-240/0850	4	2 X 150
	6 X 75	PK-240/0675	3	250
	8 X 75	PK-240/0875	4	2 X 150
300	6 X 50	PK-300/0650	4	2 X 150
	8 X 50	PK-300/0850	4	2 X 200
	10 X 50	PK-300/1050	4	2 X 200
	6 X 75	PK-300/0675	4	2 X 150
	8 X 75	PK-300/0875	4	2 X 200
500	10 X 50	PK-500/1050	4	2 X 200
	12 X 50	PK-500/1250	4	2 X 250
	8 X 75	PK-500/0875	4	2 X 200
	10 X 75	PK-500/1075	4	2 X 200
	12 X 75	PK-500/1275	4	2 X 250



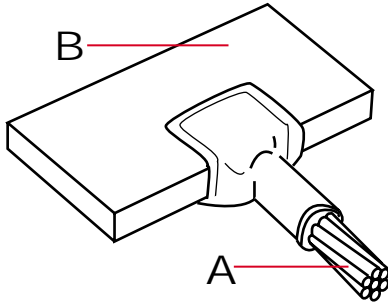
PV

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	2 X 25mm	PV-10/0225	3	45
16	2 X 25	PV-16/0225	3	45
25	2 X 25	PV-25/0225	3	45
30	2 X 25	PV-30/0225	3	65
50	2 X 25	PV-50/0225	3	65
30	3 X 25	PV-30/0325	3	65
35	3 X 25	PV-35/0325	3	65
50	3 X 25	PV-50/0325	3	90
70	3 X 25	PV-70/0325	3	90
70	4 X 25	PV-70/0425	3	115
95	4 X 25	PV-95/0425	3	150
95	5 X 25	PV-95/0525	3	150
120	5 X 25	PV-120/0525	3	150
120	5 X 30	PV-120/0530	3	150
150	5 X 30	PV-150/0530	7	200
150	5 X 40	PV-150/0540	7	200
185	5 X 40	PV-150/0540	7	200
185	5 X 50	PV-185/0550	7	200
240	5 X 50	PV-240/0550	7	250
240	6 X 50	PV-240/0650	7	250
300	6 X 50	PV-300/0650	8	2 X 200
300	8 X 50	PV-300/0850	8	2 X 200
10mm (diameter)	3 X 25	PV-10 $\emptyset$ /0325	3	115
10mm (diameter)	4 X 25	PV-10 $\emptyset$ /0425	3	150



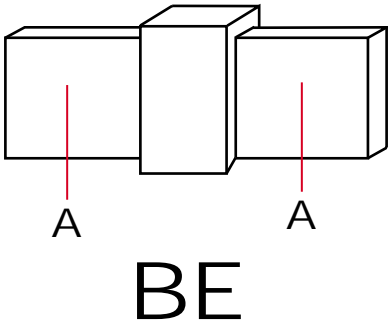
PY

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	2 X 20mm	PY-10/0220	3	45
16	2 X 20	PY-16/0220	3	45
25	2 X 20	PY-25/0220	3	45
35	2 X 20	PY-35/0220	3	45
30	2 X 25	PY-30/0225	3	65
50	2 X 25	PY-50/0225	3	65
50	3 X 25	PY-50/0325	3	65
70	3 X 25	PY-70/0325	3	90
70	4 X 25	PY-70/0425	3	115
95	4 X 25	PY-95/0425	3	150
95	5 X 25	PY-95/0525	3	150
120	5 X 25	PY-120/0525	3	150
120	5 X 30	PY-120/0530	3	200
150	5 X 30	PY-150/0530	3	200
150	5 X 40	PY-150/0540	3	250
185	5 X 40	PY-185/0540	3	250
185	5 X 50	PY-185/0550	4	2 X 150
240	5 X 50	PY-240/0550	4	2 X 150
240	6 X 50	PY-240/0650	4	2 X 200
300	6 X 50	PY-300/0650	4	2 X 250
300	8 X 50	PY-300/0850	4	2 X 250
8mm (diameter)	2 X 25	PY-8 $\emptyset$ /0225	3	65
8mm (diameter)	3 X 25	PY-8 $\emptyset$ /0325	3	65
10mm (diameter)	3 X 25	PY-10 $\emptyset$ /0325	3	115
10mm (diameter)	4 X 25	PY-10 $\emptyset$ /0425	3	150

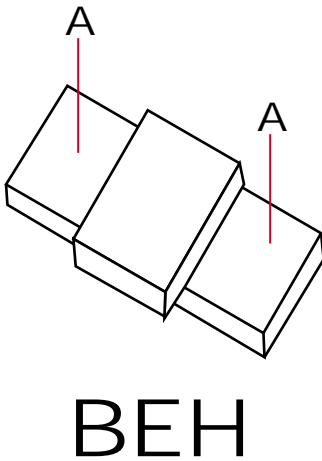


PT

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	2 X 20mm	PT-10/0220	3	25
16	2 X 25	PT-16/0220	3	32
25	2 X 25	PT-25/0220	3	32
35	2 X 25	PT-35/0220	3	45
30	2 X 25	PT-30/0225	3	45
50	2 X 25	PT-50/0225	3	45
50	3 X 25	PT-50/0325	3	45
70	3 X 25	PT-70/0325	3	65
70	4 X 25	PT-70/0425	3	65
95	4 X 25	PT-95/0425	3	90
95	5 X 25	PT-95/0525	3	90
120	5 X 25	PT-120/0525	3	90
120	5 X 30	PT-120/0530	3	115
150	5 X 30	PT-150/0530	3	115
150	5 X 40	PT-150/0540	3	115
185	5 X 40	PT-185/0540	3	150
185	5 X 50	PT-185/0550	3	150
240	5 X 50	PT-240/0550	3	200
240	6 X 50	PT-240/0650	3	250
300	6 X 50	PT-300/0650	4	2 X 150
300	8 X 50	PT-300/0850	4	2 X 250
8mm (diameter)	2 X 25	PT-8 $\varnothing$ /0225	3	45
8mm (diameter)	3 X 25	PT-8 $\varnothing$ /0325	3	45
10mm (diameter)	3 x 25	PT-10 $\varnothing$ /0325	3	65
10mm (diameter)	4 x 25	PT-10 $\varnothing$ /0425	3	65

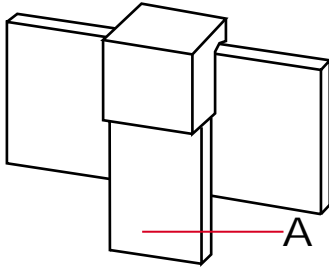


Conductor A	Mold Type	Price Code	Weld Metal
2 X 20mm	BE-0220	3	45
3 X 20	BE-0320	3	45
2 X 25	BE-0225	3	65
3 X 25	BE-0325	3	65
4 X 25	BE-0425	3	90
2 X 30	BE-0230	3	65
3 X 30	BE-0330	3	90
4 X 30	BE-0430	3	115
5 X 30	BE-0530	3	115
3 X 40	BE-0340	3	115
4 X 40	BE-0440	3	150
5 X 40	BE-0540	3	150
6 X 40	BE-0640	3	200
5 X 50	BE-0550	3	200
6 X 50	BE-0650	3	250
8 X 50	BE-0850	4	2 X 150
6 X 60	BE-0660	3	250
8 X 60	BE-0860	4	2 X 200
10 X 60	BE-1060	4	500
6 X 80	BE-0680	4	2 X 200
8 X 80	BE-0880	4	500
10 X 80	BE-1080	4	3 X 200



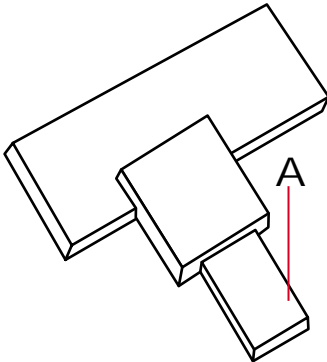
Conductor A	Mold Type	Price Code	Weld Metal
2 X 20mm	BEH-0220	3	45
3 X 20	BEH-0320	3	45
4 X 20	BEH-0420	3	65
5 X 20	BEH-0520	3	90
2 X 25	BEH-0225	3	45
3 X 25	BEH-0325	3	65
4 X 25	BEH-0425	3	90
5 X 25	BEH-0525	3	90
2 X 30	BEH-0230	3	65
3 X 30	BEH-0330	3	65
4 X 30	BEH-0430	3	90
5 X 30	BEH-0530	3	115
3 X 40	BEH-0340	3	65
4 X 40	BEH-0440	3	65
5 X 40	BEH-0540	3	90
6 X 40	BEH-0640	3	115
5 X 50	BEH-0550	4	200
6 X 50	BEH-0650	4	250
8 X 50	BEH-0850	4	2 X 150
6 X 60	BEH-0660	4	2 X 150
8 X 60	BEH-0860	4	2 X 200
10 X 60	BEH-1060	4	500





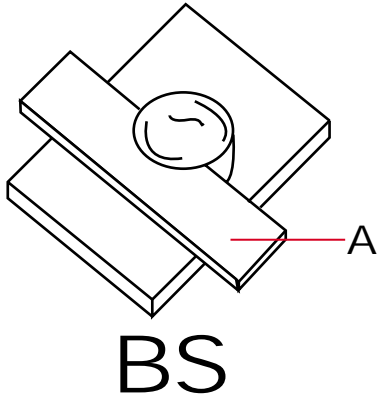
## BTV

Conductor A	Mold Type	Price Code	Weld Metal
2 X 20mm	BTV-0220	3	45
3 X 20	BTV-0320	3	65
2 X 25	BTV-0225	3	65
3 X 25	BTV-0325	3	65
4 X 25	BTV-0425	3	90
2 X 30	BTV-0230	3	65
3 X 30	BTV-0330	3	90
4 X 30	BTV-0430	3	115
5 X 30	BTV-0530	3	115
3 X 40	BTV-0340	3	115
4 X 40	BTV-0440	3	150
5 X 40	BTV-0540	3	150
6 X 40	BTV-0640	3	200
5 X 50	BTV-0550	3	200
6 X 50	BTV-0650	3	250
8 X 50	BTV-0850	3	2 X 150
6 X 60	BTV-0660	4	2 X 150
8 X 60	BTV-0860	4	2 X 200
10 X 60	BTV-1060	4	500
6 X 80	BTV-0680	4	2 X 200
8 X 80	BTV-0880	4	500
10 X 80	BTV-1080	4	3 X 200

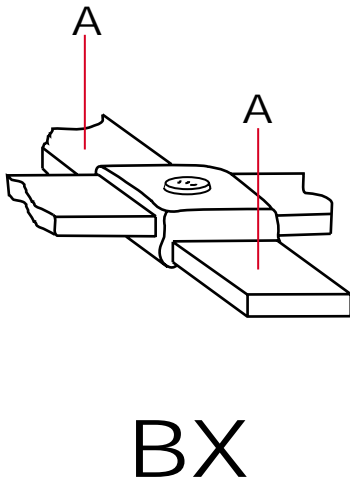


## BT

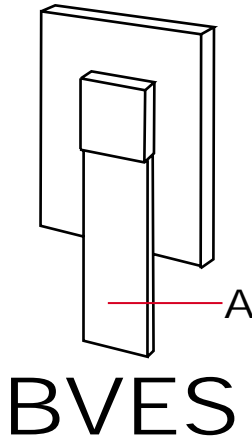
Conductor A	Mold Type	Price Code	Weld Metal
2 x 20mm	BT-0220	3	45
3 X 20	BT-0320	3	45
4 X 20	BT-0420	3	65
5 X 20	BT-0520	3	90
2 X 25	BT-0225	3	45
3 X 25	BT-0325	3	65
4 X 25	BT-0425	3	90
5 X 25	BT-0525	3	90
2 X 30	BT-0230	3	65
3 X 30	BT-0330	3	65
4 X 30	BT-0430	3	90
5 X 30	BT-0530	3	115
3 X 40	BT-0340	3	90
4 X 40	BT-0440	3	115
5 X 40	BT-0540	3	150
6 X 40	BT-0640	3	200
5 X 50	BT-0550	4	200
6 X 50	BT-0650	4	250
8 X 50	BT-0850	4	2 X 150
6 X 60	BT-0660	4	2 X 150
8 X 60	BT-0860	4	2 X 200
10 X 60	BT-1060	4	500



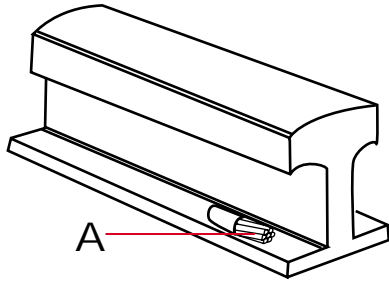
Conductor A	Mold Type	Price Code	Weld Metal
2 X 20mm	BS-0220	3	65
3 X 20	BS-0320	3	90
2 X 25	BS-0225	3	90
3 X 25	BS-0325	3	115
4 X 25	BS-0425	3	115
3 X 30	BS-0330	3	115
4 X 30	BS-0430	3	150
5 X 30	BS-0530	3	200
3 X 40	BS-0340	3	150
4 X 40	BS-0440	3	200
5 X 40	BS-0540	3	250
5 X 50	BS-0550	3	250
6 X 50	BS-0650	3	250
8 X 60	BS-0860	4	2 X 150
10 X 60	BS-1060	4	2 X 200



Conductor A	Mold Type	Price Code	Weld Metal
2 X 20mm	BX-0220	3	45
3 X 20	BX-0320	3	65
4 X 20	BX-0420	3	65
5 X 20	BX-0520	3	65
2 X 25	BX-0225	3	65
3 X 25	BX-0325	3	90
4 X 25	BX-0425	3	150
5 X 25	BX-0525	3	150
2 X 30	BX-0230	3	90
3 X 30	BX-0330	3	115
4 X 30	BX-0430	3	200
5 X 30	BX-0530	3	200
3 X 40	BX-0340	4	250
4 X 40	BX-0440	4	150 X 2
5 X 40	BX-0540	4	200 X 2
6 X 40	BX-0640	4	150 X 3
5 X 50	BX-0550	4	200 X 3
6 X 50	BX-0650	4	200 X 3
8 X 50	BX-0850	4	250 X 3

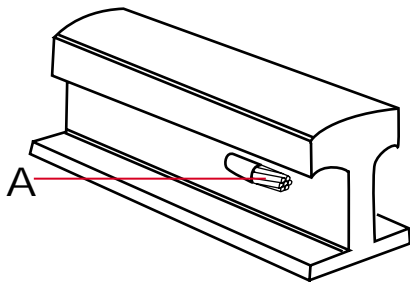


Conductor A	Mold Type	Price Code	Weld Metal
2 X 20mm	BVSE-0220	3	65
3 X 20	BVSE-0320	3	65
2 X 25	BVSE-0225	3	90
3 X 25	BVSE-0325	3	90
4 X 25	BVSE-0425	3	90
2 X 30	BVSE-0230	3	90
3 X 30	BVSE-0330	3	90
4 X 30	BVSE-0430	3	115
5 X 30	BVSE-0530	3	150
3 X 40	BVSE-0340	3	150
4 X 40	BVSE-0440	3	200
5 X 40	BVSE-0540	3	200
6 X 40	BVSE-0640	3	250
5 X 50	BVSE-0550	3	250
6 X 50	BVSE-0650	4	2 X 150
8 X 50	BVSE-0850	4	2 X 200
6 X 60	BVSE-0660	4	2 X 200
8 X 60	BVSE-0860	4	2 X 250
10 X 60	BVSE-1060	4	3 X 200
6 X 80	BVSE-0680	4	2 X 250
8 X 80	BVSE-0880	4	3 X 200
10 X 80	BVSE-1080	4	3 X 250



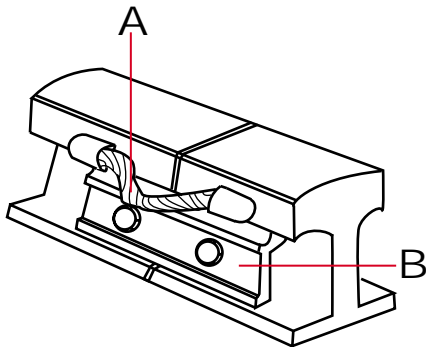
## ERB

Conductor A	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	ERB-10	1	B45
16	ERB-16	1	B45
25	ERB-25	1	B45
35	ERB-35	1	B65
50	ERB-50	3	B90
70	ERB-70	3	B115
95	ERB-95	3	B150
120	ERB-120	3	B200
150	ERB-150	3	B250
8mm (diameter)	ERB-8 (diameter)	3	B115



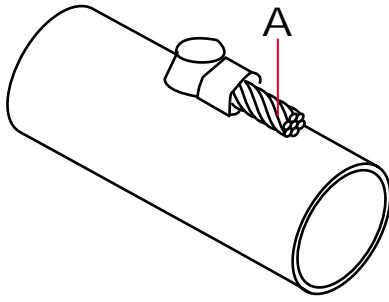
## ERW

Conductor A	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	ERW-10	5	B45
16	ERW-16	5	B45
25	ERW-25	5	B45
35	ERW-35	5	B45
50	ERW-50	5	B65
70	ERW-70	5	B90
95	ERW-95	5	B90
120	ERW-120	5	B115
150	ERW-150	5	B150
8mm (diameter)	ERW-8 (diameter)	5	B45
10mm (diameter)	ERW10 (diameter)	5	B90



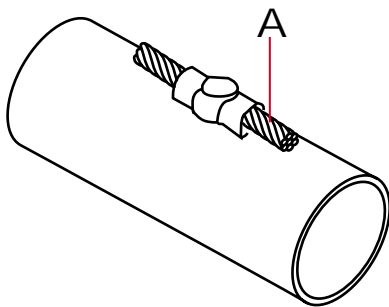
## ERT

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
25mm <sup>2</sup>	225mm <sup>2</sup>	ERT-25	5	B45
35	225	ERT-35	5	B45
50	225	ERT-50	5	B65
70	225	ERT-70	5	B90
95	225	ERT-95	5	B115
120	225	ERT-120	5	B115



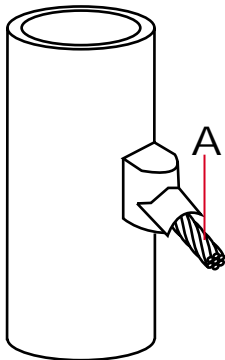
## CSHEA

Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
4mm <sup>2</sup>	CSHEA-4-D	1	CP-15	-
6	CSHEA-6-D	1	CP-15	-
10	CSHEA-10-D	1	CP-25	-
16	CSHEA-16-D	1	CP-32	-
25	CSHEA-25-D	1	CP-25	-
30	CSHEA-30-D	1	CP-32	-
35	CSHEA-35-D	1	CP-35	DX-3
50	CSHEA-50-D	1	CP-45	DX-3
70	CSHEA-70-D	1	CP-65	DX-3



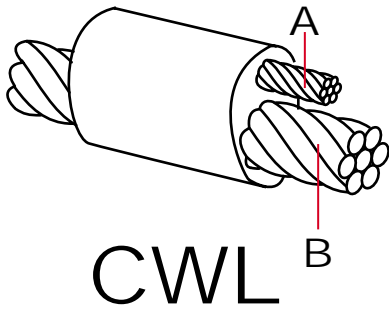
## CSHTA

Conductor A	Mold Type	Price Code	Weld Metal	DuxSeal
4mm <sup>2</sup>	CSHTA-4-D	1	CP-25	-
6	CSHTA-6-D	1	CP-25	-
10	CSHTA-10-D	1	CP-32	-
16	CSHTA-16-D	1	CP-45	-
25	CSHTA-25-D	1	CP-45	-
30	CSHTA-30-D	1	CP-45	-
35	CSHTA-35-D	1	CP-45	DX-3
50	CSHTA-50-D	1	CP-65	DX-3
70	CSHTA-70-D	1	CP-65	DX-3



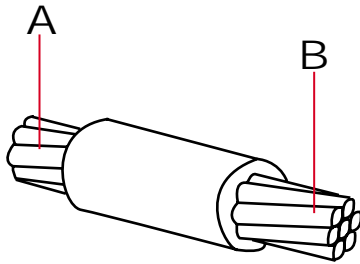
## CSVES

Conductor A	Mold Type	Price Code	Weld Metal
10mm <sup>2</sup>	CSVES-10-D	1	CP-32
16	CSVES-16-D	1	CP-32
25	CSVES-25-D	1	CP-45
30	CSVES-30-D	1	CP-45
35	CSVES-35-D	1	CP-45
50	CSVES-50-D	1	CP-65
70	CSVES-70-D	1	CP-65



CWL

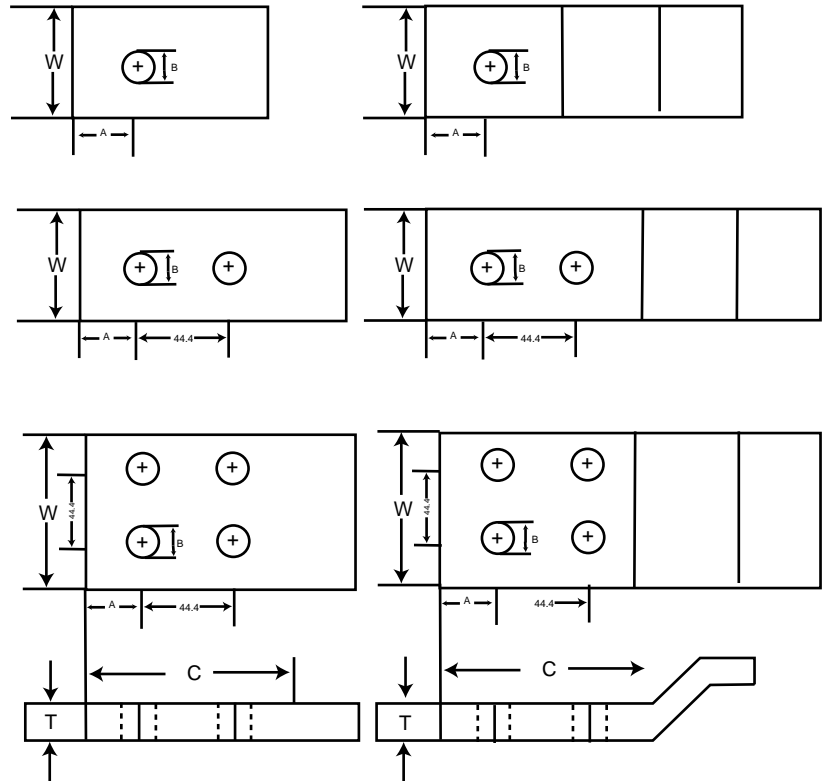
Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
6mm <sup>2</sup>	6mm <sup>2</sup>	CWL-6/6	2	CP-25
10	4	CWL-10/4	2	CP-25
10	6	CWL-10/6	2	CP-25
10	10	CWL-10/10	2	CP-25
16	6	CWL-16/6	2	CP-32
16	10	CWL-16/10	2	CP-32
16	16	CWL-16/16	2	CP-32
25	10	CWL-25/10	2	CP-32
25	16	CWL-25/16	2	CP-32
25	10	CWL-25/10	2	CP-45
30	16	CWL-30/16	2	CP-45
30	25	CWL-30/25	2	CP-45
30	30	CWL-30/30	2	CP-65



CWE

Conductor A	Conductor B	Mold Type	Price Code	Weld Metal
2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	CWE-2.5/2.5	2	CP-15
4	4	CWE-4/4	2	CP-15
6	6	CWE-6/6	2	CP-15
10	10	CWE-10/10	2	CP-25
16	16	CWE-16/16	2	CP-25
25	25	CWE-25/25	2	CP-25
30	30	CWE-30/30	2	CP-32
35	35	CWE-35/35	2	CP-32

# KS & KZ

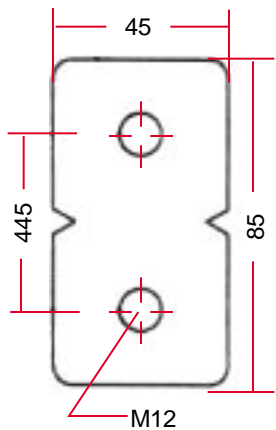
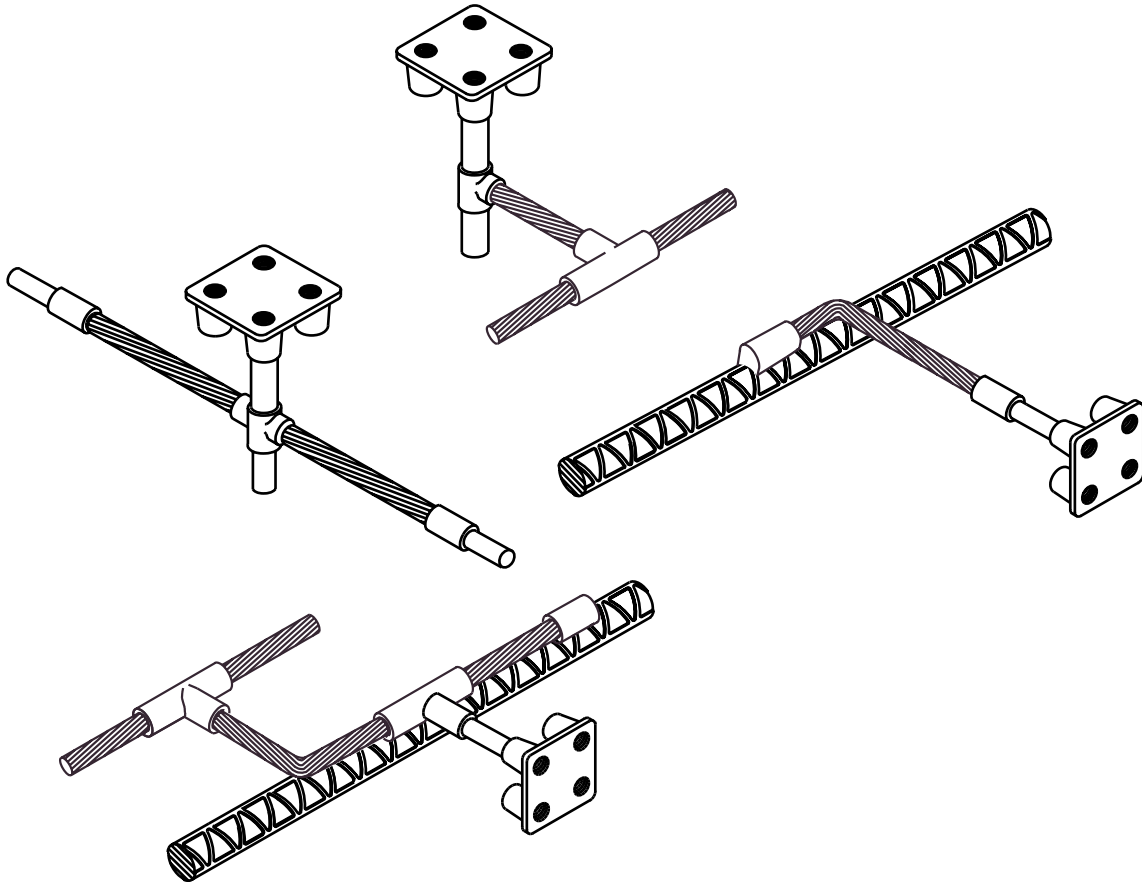


LUG SIZE	AREA	# of HOLES	HOLE SIZE	TYPE		DIMENSIONS				
				FLAT	OFFSET	T	W	A	B	C
3 X 25	75	1	M10	KS-0325-01	KZ-0325-01	3	25	12	11	24
		2	M12	KS-0325-02	KZ-0325-02	3	25	15.3	13	75
4 X 25	100	1	M10	KS-0425-01	KZ-0425-01	4	25	12	11	24
		2	M12	KS-0425-02	KZ-0425-02	4	25	15.3	13	75
5 X 25	125	1	M12	KS-0525-01	KZ-0525-01	5	25	15	13	30
		2	M12	KS-0525-02	KZ-0525-02	5	25	15.3	13	75
5 X 30	150	1	M12	KS-0530-01	KZ-0530-01	5	30	15	13	30
		2	M12	KS-0530-02	KZ-0530-02	5	30	15.3	13	75
5 X 40	200	1	M12	KS-0540-01	KZ-0540-01	5	40	20	13	38
		2	M12	KS-0540-02	KZ-0540-02	5	40	15.3	13	75
5 X 50	250	1	M16	KS-0550-01	KZ-0550-01	5	50	25	17	54
		2	M12	KS-0550-02	KZ-0550-02	5	50	15.3	13	75
6 X 50	300	1	M16	KS-0650-01	KZ-0650-01	6	50	25	17	54
		2	M12	KS-0650-02	KZ-0650-02	6	50	15.3	13	75
8 X 50	400	1	M16	KS-0850-01	KZ-0850-01	8	50	25	17	54
		2	M12	KS-0850-02	KZ-0850-02	8	50	15.3	13	75
10 X 50	500	1	M16	KS-1050-01	KZ-1050-01	10	50	25	17	54
		2	M12	KS-1050-02	KZ-1050-02	10	50	15.3	13	75
12 X 50	600	2	M12	KS-1250-02	KZ-1250-02	12	50	15.3	13	75
6 X 75	450	4	M12	KS-0675-04	KZ-0675-04	6	75	15.3	13	75
8 X 75	600	4	M12	KS-0875-04	KZ-0875-04	8	75	15.3	13	75
10 X 75	750	4	M12	KS-1075-04	KZ-1075-04	10	75	15.3	13	75
12 X 75	900	4	M12	KS-1275-04	KZ-1275-04	12	75	15.3	13	75

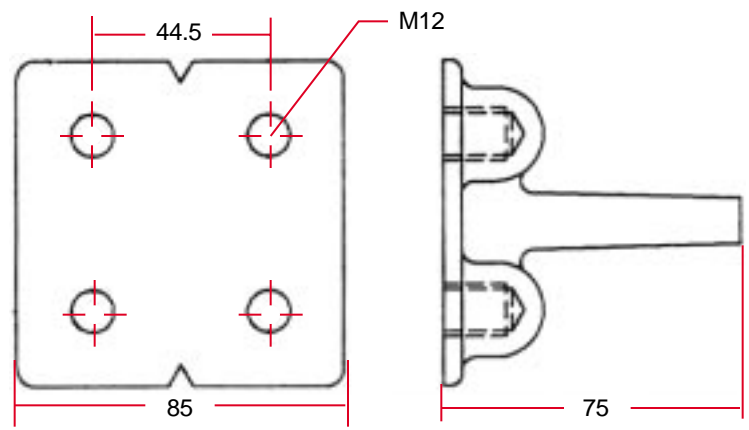
# Ground Plate

ATI Tectoniks introduces a new convenient connection termina designed specifically for grounding applications, the Tectoweld Ground Plates. These ground plated are engineered from the finest heavy duty materials and are able to withstand the rigors of an industrial environment. Using only special high grade copper alloys (meets UL specifications) and manufactured under a tightly controlled casting process, these ground plates conform to the NEMA and IEC requirements for electrical terminals.

So as to provide safety and operational efficiency, the ground plates have been designed to be recessed into concrete and set falt with the finished surface. In order to provide flexibility in utilization to the end user these ground plates are available in two different moder, AG201 (2-holed) and AG401 (4-holed). BOth models have been desinged to accept up to 100 mm<sup>2</sup> conductors and will therefore be able to accept current flows equal to the conductor. Additionally, a high current capacity version of the model AG401 is available, this version enables connections fo conductors up to 250 mm<sup>2</sup>.



**AG201-100**



**AG401-100, AG401-250**

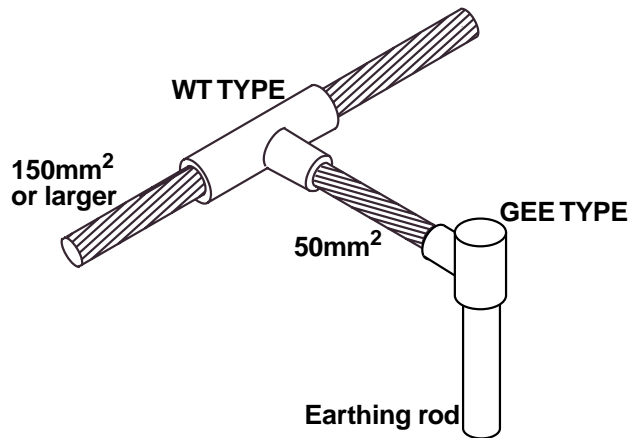
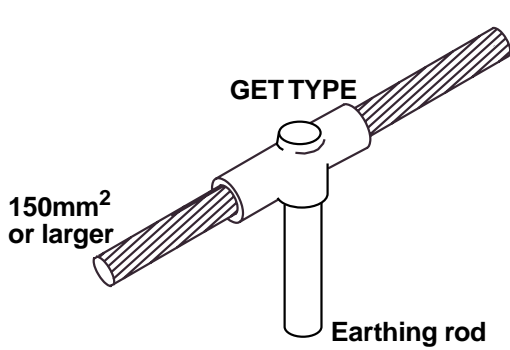
To ensure maximum performance and safety these ground plates can be connected to cables, rebars, busbars and pipes. The most common connections utilize types WE or WT Tectoweld moulds to connect ground plates to copper wire while connections of grounding wires to the ground plates are usually achieved with terminal lugs and faastened with M12 type bolts.



## Tech Tip: Minimizing Materials and Costs

### Grid Wire to Earthing Rod Connections

Often times in earthing grids it is common to see main earthing conductors to be sized at 150 mm<sup>2</sup> or larger. When wire sizes are at this level or larger, it becomes very difficult and expensive to weld properly onto earthing rods (type GET). Theoretically a single earthing rod cannot effectively dissipate faults of several thousand amperes, a fault current must be distributed across an entire earthing grid. Therefore it would be safe to use 50mm<sup>2</sup> wires as intermediary leads between the main earthing conductors and the earthing rods. This method not only simplifies the welding procedure, but also offers considerable saving of wire and weld metal.



**Left Diagram:**

Mold Type	Weld Metal
GET-18/150	#200

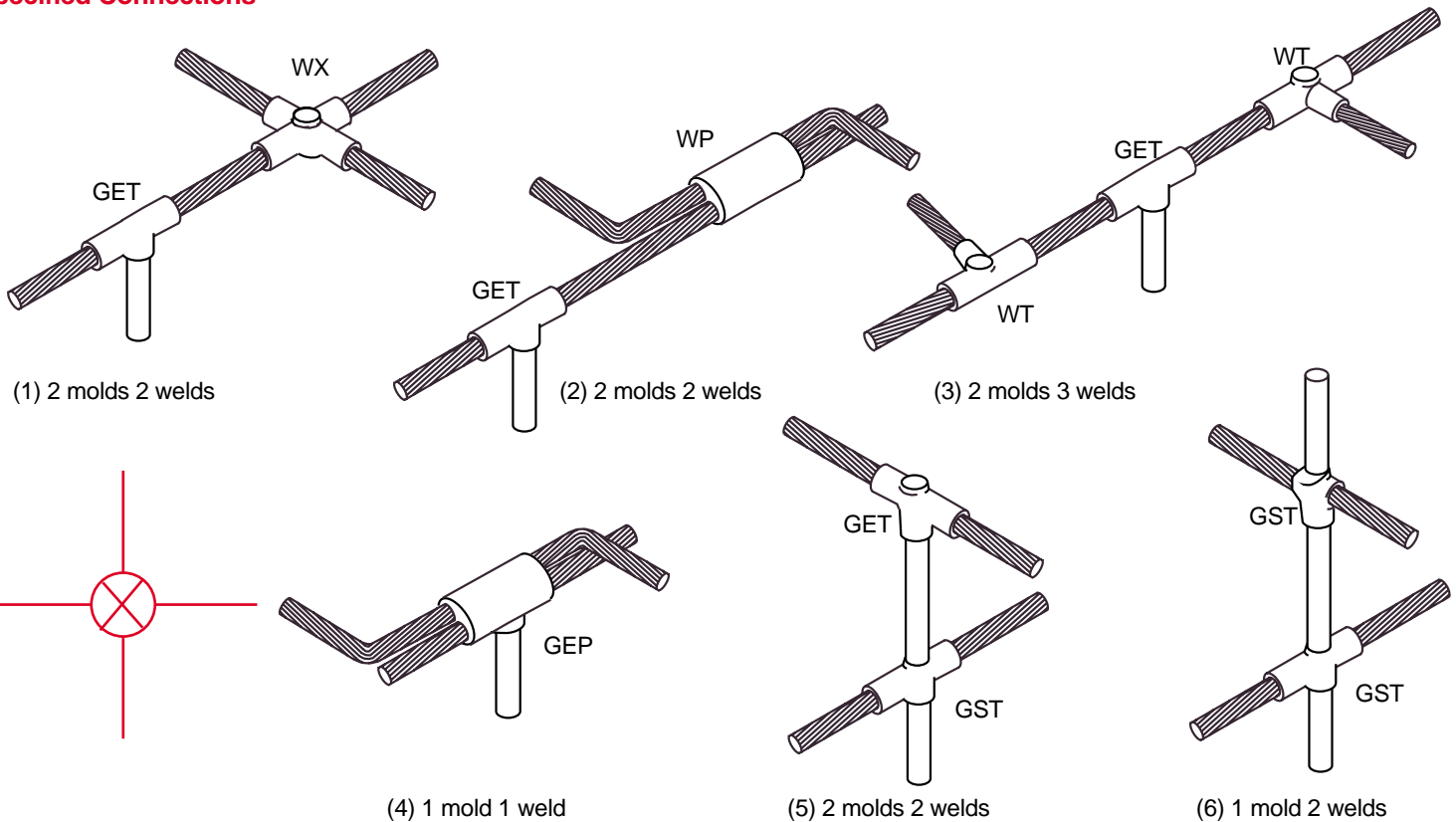
**Right Diagram:**

Mold Type	Weld Metal
GEE-18/50	#90
WT-150/50	#90

### Equivalent Connections to Earthing Rods

There is more than one method of achieving a connection, the examples below all show electrically equivalent connections as those specified in the engineering drawings as represented by the cross and circle symbol.

### Specified Connections



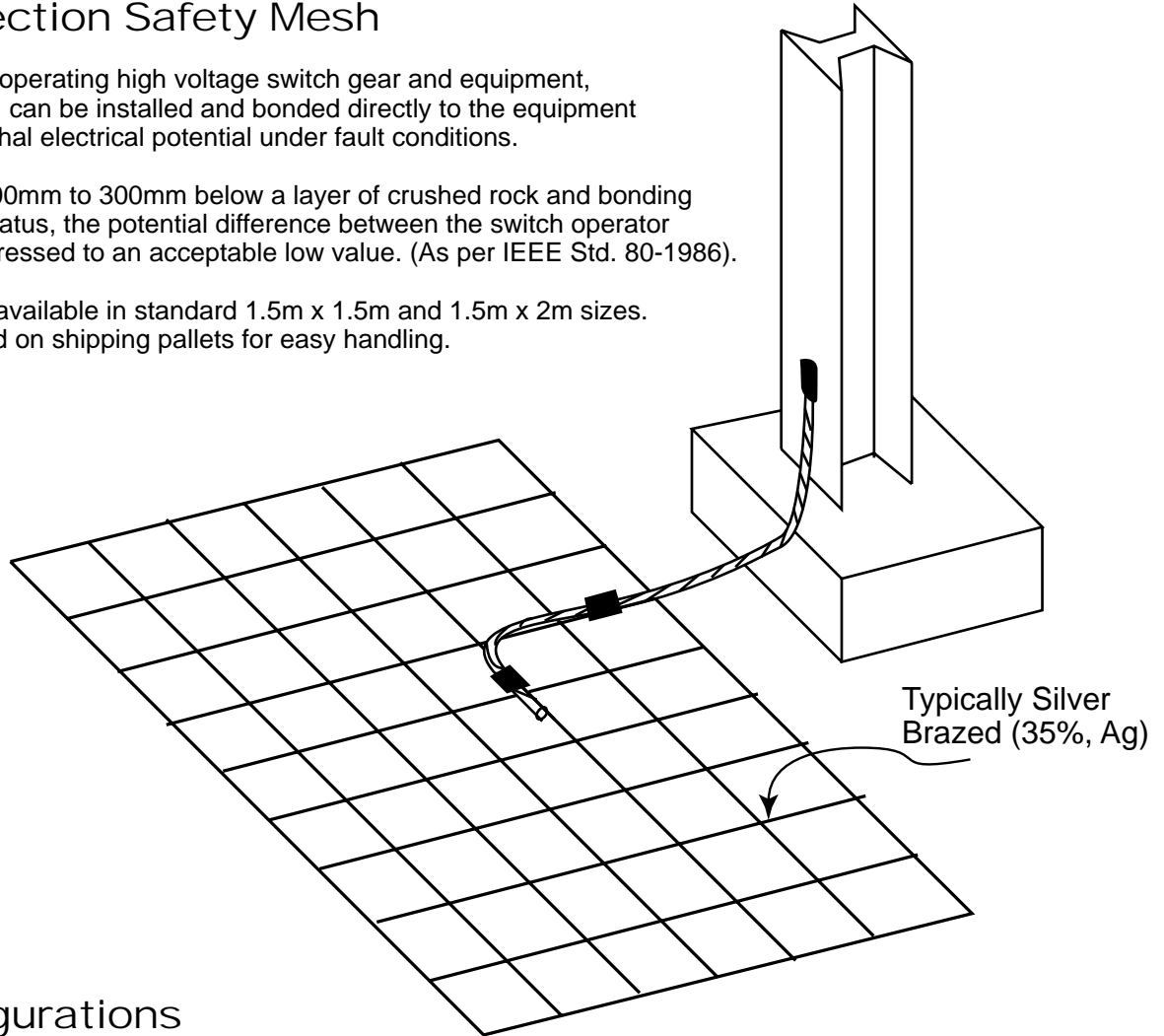
Note:: (1) is the most common method

## Personnel Protection Safety Mesh

For protection of personnel operating high voltage switch gear and equipment, a prefabricated safety mesh can be installed and bonded directly to the equipment to reduce any potentially lethal electrical potential under fault conditions.

By installing a wire mesh 100mm to 300mm below a layer of crushed rock and bonding it solidly to the switch apparatus, the potential difference between the switch operator and the switch can be suppressed to an acceptable low value. (As per IEEE Std. 80-1986).

Personnel Safety Mats are available in standard 1.5m x 1.5m and 1.5m x 2m sizes. Safety Mats can be supplied on shipping pallets for easy handling.



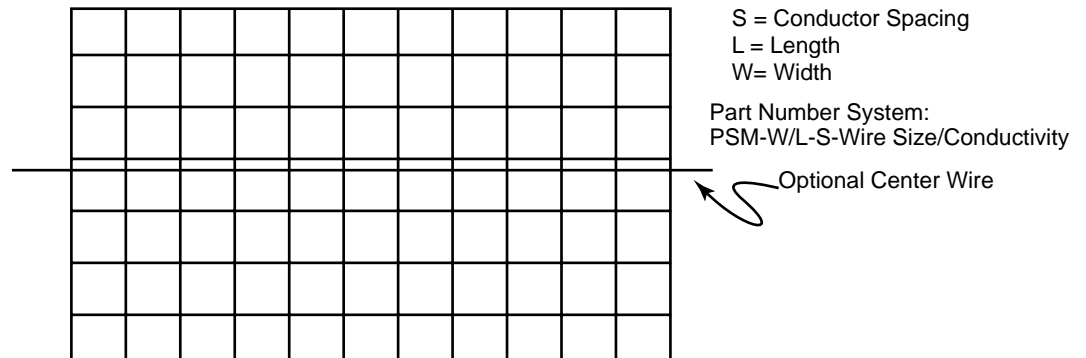
## Standard Configurations

Mat Size	1.5m x 1.5m or 2m x 2m. Other sizes are also available upon request. Max. size is 2m x 3m.
Conductor Spacing	55mm x 55mm minimum 50 300mm x 300mm maximum. (50mm increments).
Wire Size	50mm <sup>2</sup> .
Wire Type	Stranded copper wire.

### Ordering Information:

Part No.	Description
PSM-1.5/1.5-10	1.5m x 1.5m size, 10cm on center.
PSM-1.5/2.-10	1.5m x 2m size, 10cm on center.
PSM-2/2.5-25	2m x 2.5m size, 25cm on center.

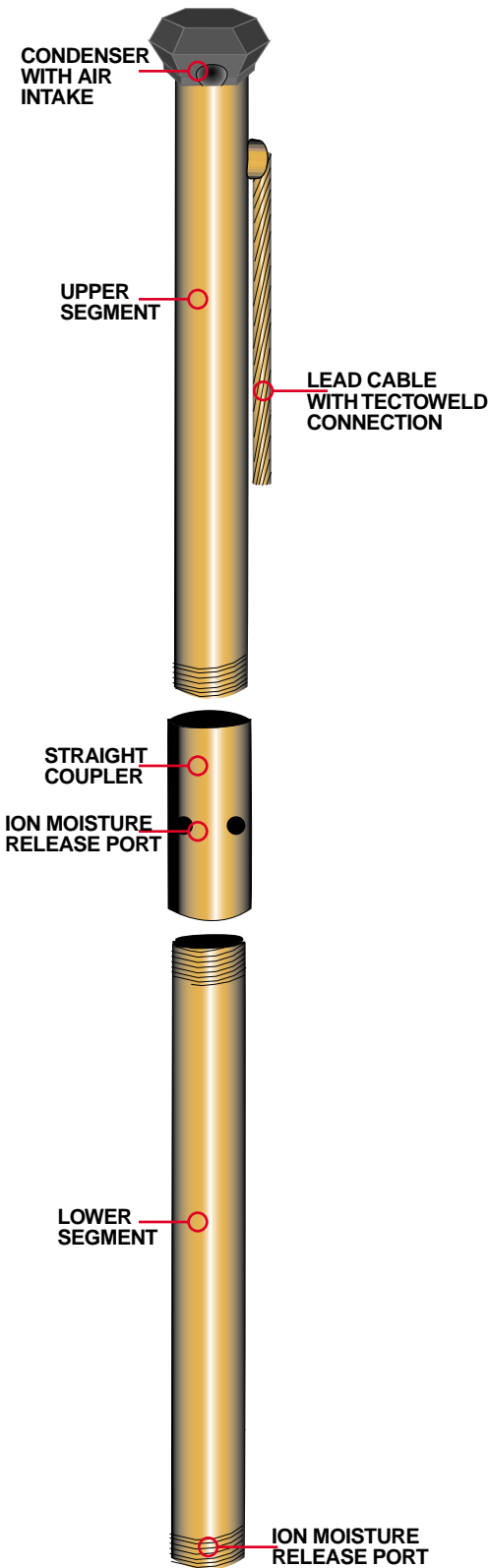
\* Please inquire for current pricing.



## Ionic Earthing Array Electrolytic Earthing Electrode

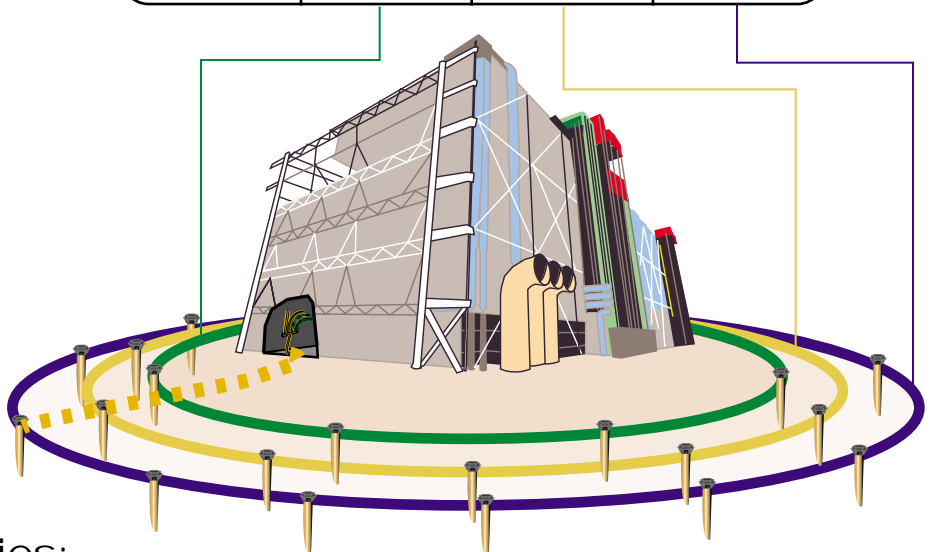
The Ionic Earthing Array is a complete grounding solution suitable for any application requiring stable low ground resistance. Traditional means or methods of grounding such as driven rods, tapes, plates or pipes give only partial and short term results. In poor soil conditions, these passive conductors will result in inadequate grounding protection.

Extensive research and field trials have shown that the absence of free ions in the surrounding soil contributes significantly to the problem of high ground resistance. The IEA system has been designed to release free ions into the surrounding soil while providing a direct, low resistance path to earth.



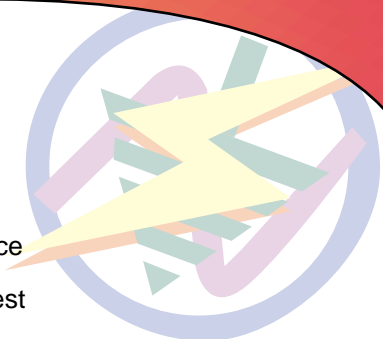
### SELECTION GUIDE

Resistivity Ohm-meter	No. of IEA Electrodes		
	4 IEAs	8 IEAs	12 IEAs
100	<1.9 Ohm	<1.1 Ohm	<0.7 Ohm
200	<2.9	<2.3	<2.0
300	<5.9	<3.4	<2.5
400	<7.9	<4.6	<3.3
500	<9.9	<5.8	<4.2
600	<11.8	<6.9	<4.9
700	<13.8	<8.1	<5.8
800	<15.8	<9.3	<6.6
900	<17.8	<10.4	<7.4
1000	<19.8	<11.6	<8.3
Installation Area	60m x 60m	120m x 120m	180m x 180m



### Electrodes and Accessories:

Part#	Description	Part#	Description
IEA-10V1	3m vertical electrode	IEA-CL1	L-shaped coupler
IEA-10H1	3m horizontal electrode	IEA-CT1	T-shaped coupler
IEA-20V1	6m vertical electrode	IEA-CY1	Y-shaped coupler
IEA-20H1	6m horizontal electrode	IEA-AS1	Additional 2m segment
		IEA-EB1	Clay backfill
		IEA-GM1	Ground enhancement backfill
		IEA-CV1	Protective cover
		IEA-CDR	Custom or additional conductor



ATI Tectoniks specializes in supplying products and services for the building of high performance grounding systems. In addition to manufacturing our own grounding and exothermic welding products, we also work with leading suppliers from around the globe in order to provide the latest and most reliable equipment available for site protection.

We also provide personalized consulting services tailored to your needs or specification, in order to give you the possible protection for your electrical installations. We understand the needs of our clients and provide lightning fast shipping of our products to anywhere around the world.

## INFORMATION REQUEST FORM: *(please print)*

NAME: \_\_\_\_\_

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

COUNTRY: \_\_\_\_\_

TEL: \_\_\_\_\_

FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_

### BUSINESS TYPE:

Please select:

- Electrical Contractor
- Electrical Power Company
- Design Company
- Distributor
- Manufacturer
- Government
- Telecommunications

Other \_\_\_\_\_  
\_\_\_\_\_

### Please send me more information on:

- Tectoweld
- Lightning & Surge Protection
- Ionic Earthing Array
- ATI Tectoniks Services

Other:

\_\_\_\_\_  
\_\_\_\_\_

Please complete this form and fax it to an ATI Tectoniks office nearest you. Please be sure to fill in as much information as possible. We also have a request form available on our web site at <http://www.atitec.com>. We will contact you shortly.

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