Stone-Stamcor

bringing power to your product

2023 CATALOGUE

Volume 4

Stone-Stamcor

bringing power to your product

PROFILE

The Company was first established in 1942 as J Stone & Co (Africa) (Pty) Ltd and was renamed Stone-Stamcor (Pty) Ltd in 1965.

Our Head Office is located in Sebenza, Edenvale, Gauteng with 4000m^2 of factory and administration facilities. We are nationally supported by regional sales branches in Durban and Cape Town. Stone-Stamcor has a wide product range supplying the electrical and mechanical Industries.

The core business of the Electrical Division is the manufacture of a comprehensive range of Copper and Aluminium Compression Cable Connectors (Lugs and Ferrules) for fitment to cable conductors.

These products are supplemented with other types of connectors for earthing and customer specific solutions for special applications. Stone-Stamcor also supply a full range of compression crimping and cable cutting tools.

The Mechanical Division represents a number of renowned international companies & quality brands and can supply a range of industrial gearboxes, motors, linear motion control products, converting industry products and rotating unions to name a few.

Stone-Stamcor is an ISO 9001 certified company – certified by the BSI Group.

In addition Stone-Stamcor is a SANAS accredited BBBEE certified company.

OUR MISSION

To know and understand our role in the supply chain.

To aspire to be the preferred provider by supply of quality and cost competitive products and providing service excellence.

To provide a work environment and job security for our employees through entrenchment of ethical labour practices, sound corporate governance and compliance with statutory legislation requirements.

To establish and maintain a management system that provides the customer assurance of meeting and exceeding their requirements.

bsi. ISO 9001 Quality Management

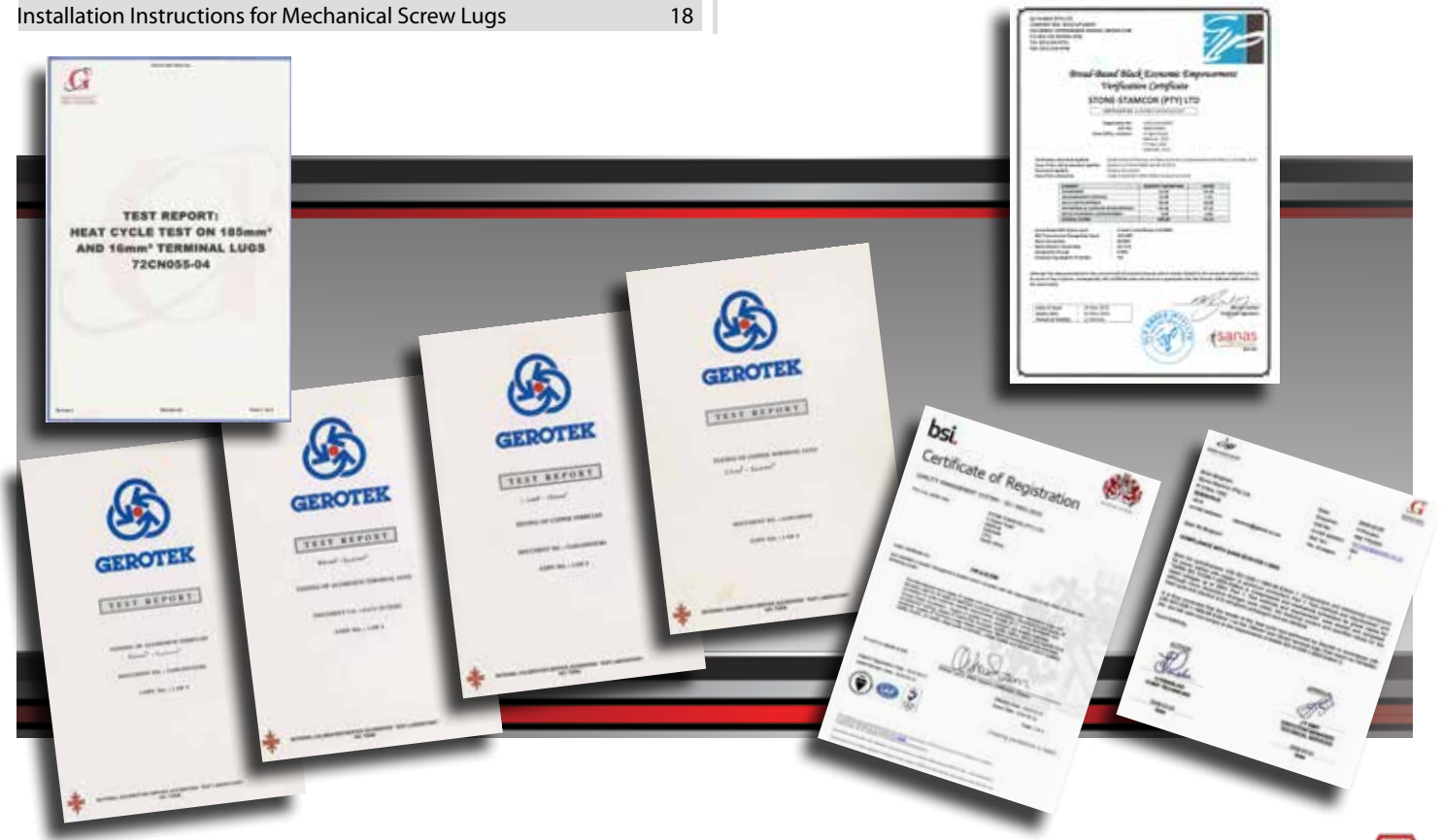
GEROTEK

IEC 61238-1 TESTED

SAFE HOUSE™ Suppliers you can trust

Stone-Stamcor
bringing power to your product

INDEX



Compression Connectors

Stone-Stamcor compression connectors have been designed to ensure reliable and controllable electrical connections which can be inspected on installation.

The copper compression connectors are manufactured from high-conductive electrolytic copper which are tin plated. The connector design has been matched to the cable size to provide the necessary electrical performance as well as mechanical strength.

Copper compression lugs are recommended for use on copper conductors. Aluminium compression connectors are recommended for use on aluminium conductors. Bi-Metallic connections are recommended when an aluminium conductor is connected to a copper conductor or terminated to copper terminals.

There are two basic compression methods available, hexagonal and indent.

After compression virtually all the air is effectively removed leaving a tight homogeneous mass of conductor and connector.

The hexagonal crimp method compresses the cable into hexagonal shapes forming a solid mass between the cable strands and the connector. Quality control is guaranteed on installation as the hexagonal crimp can be measured and compared to the A/F (Across Flats) of the dies, ensuring the correct die selection has been made, this could also verify the serviceability of the crimp tool being used.

The indent type crimp method can be used on any application except for PVC (Polyvinylchloride) insulated terminals such as ABC (Arial Bundle Cable) connectors and splices. This method is an excellent means of terminating flexible and welding cable. The result is a crimp with high pull out strength and an excellent electrical connection.

The correct tooling selection is essential, ensuring proper installation of the compression connector. As the connectors and dies are designed as a unit for specific wire / cable sizes, only the recommended tools and dies should be used.

Stone-Stamcor has a wide range of crimp tools available which includes ratchet, mechanical, hydraulic or battery. Some have permanent die grooves, rotary or change of die sets for each connector.

Stone-Stamcor compression connectors have been tested by an independent test laboratory to SANS IEC 61238-1.

Stone-Stamcor

bringing power to your product

Locally Manufactured

Quality XLPE, Copper/Aluminium Lugs and Ferrules

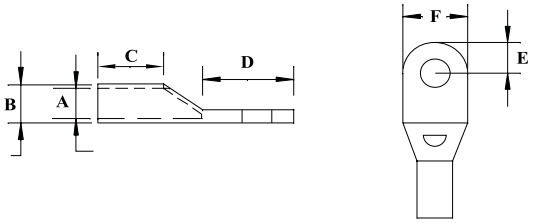
Tested to SANS IEC 61238-1

TABLE 1 - LUGS FOR COPPER CONDUCTOR/CABLE

NOTE:

1. The nominal area of the circular stranded conductor (Table 1) is that of the nominal lug or ferrule size.
2. For flexible cables the next highest lug or ferrule size in relation to area (Table 1) must be used.
3. For compacted cable the heavy duty lugs and ferrules as shown in Tables **2** and **5** must be used.

DIMENSIONS



		Typical Conductors				Nominal Dimensions mm					
						Barrel			Spade		
		Nominal Lug Size	Circular Stranded	Flexible Stranded		A	B	C	D	E	F
Cat No	Stock Code	mm^2	mm^2	mm^2 ***	mm	I.D	O.D	Length	Length	Hole Pos.	Width
1.5/3	LS0010				3				9	4.5	7
1.5/4	LS0020				4	1.9	3.8	7	12	4.5	7
1.5/5	LS0030	1.5	3/0.82	1	5				12	4.5	8
1.5/6	LS0040				6				13	5.5	9
2.5/3	LS0060				3				8.5	4.5	7
2.5/4	LS0070				4				12	4.5	7
2.5/5	LS0080	2.5	7/0.69	1.5	5	2.4	3.9	7.3	12	4.5	9
2.5/6	LS0090				6				13	5.5	9.5
2.5/8	LS0100				8				15	7.5	12
4/3	LS0110				3				9	4.5	7
4/4	LS0120				4				12	4.5	7
4/5	LS0130	4	7/0.88	2.5	5	2.8	4.7	8	12	4.5	8.5
4/6	LS0140				6				13	5.5	10
4/8	LS0150				8				17	6.5	13
4/10	LS0160				10			11	19	7.5	14
6/4	LS0170				4				12	4.5	7.5
6/5	LS0180				5				12	4.5	8.5
6/6	LS0190	6	7/1.08	4	6	3.4	5.3	8.5	13	5.5	9.5
6/8	LS0200				8			9.3	17	7	13
6/10	LS0210				10			11	19	7.5	15
10/5	LS0220				5			10.5	12	4.5	9
10/6	LS0230				6			10.5	13	6	10
10/8	LS0240	10	7/1.38	6	8	4.4	6.3	11	17	7.5	13
10/10	LS0250				10			11	19	7.5	15
10/12	LS0260				12			12	20	10	19
16/5	LS0270				5				13	5.5	10.5
16/6	LS0280				6				13	5.5	11
16/8	LS0290	16	7/1.79	10	8	5.5	7.6	12	18	7.5	13
16/10	LS0300				10				20	7.5	15
16/12	LS0310				12				25	10.5	18
16/16	LS0320				16				27	13	24
25/6	LS0330				6				16	6	14
25/8	LS0340				8				17	8	14
25/10	LS0350	25	19/1.33	16	10	6.9	9	15	18	8	16
25/12	LS0360				12				21	11	18
25/16	LS0370				16				27	13	24
35/6	LS0380		14/1.57		6			15	18	8	16
35/8	LS0390				8			15	18	9	16
35/10	LS0400	35		25	10	8.2	10.7	15	19	9	16
35/12	LS0410		19/1.57		12			15	22	10	18
35/16	LS0420				16			16	30	13	24

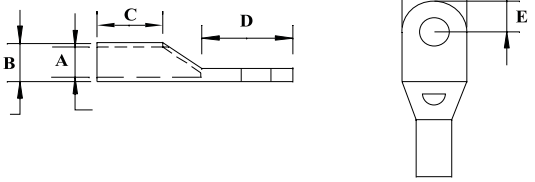
* Hole position to be specified by customer
** Stud sizes will be to customer requirements
*** Use indent compression for Flexible Stranded

TABLE 1 (continued) - LUGS FOR COPPER CONDUCTOR/CABLE

NOTE:

1. The nominal area of the circular stranded conductor (Table 1) is that of the nominal lug or ferrule size.
2. For flexible cables the next highest lug or ferrule size in relation to area (Table 1) must be used.
3. For compacted cable the heavy duty lugs and ferrules as shown in Tables **2** and **5** must be used.

DIMENSIONS



		Typical Conductors				Nominal Dimensions mm					
						Barrel			Spade		
		Nominal Lug Size	Circular Stranded	Flexible Stranded	Stud Size	A	B	C	D	E	F
Cat No	Stock Code	mm^2	mm^2	mm^2***	mm	I.D	O.D	Length	Length	Hole Pos.	Width
50/6	LS0430	50	19/1.82	35	6	10	12.8	18	24	10	20
50/8	LS0440				8			16	17	9	18
50/10	LS0450				10			17	24	10	20
50/12	LS0460				12			18	24	10	20
50/16	LS0470		19/1.82		16			18	30	13	26
50/20	LS0480				20			18	30	13	26
70/8	LS0490	70	18/2.25	50	8	11.7	15	20.5	20	9.5	21
70/10	LS0500				10			21	26	11	22
70/12	LS0510		19/2.19		12			21	28	12	22
70/16	LS0520				16			22	32	14	28
70/20	LS0530				20			22	34	15	30
95/8	LS0540	95	36/1.86	70	8	13.5	17.4	23	24	9.5	25
95/10	LS0550				10				26	13	26
95/12	LS0560		37/1.90		12				28	13	26
95/16	LS0570				16				32	14	28
95/20	LS0580				20				36	16	30
120/10	LS0590	120	36/2.08	70/95	10	15.5	19.8	26	26	12	27
120/12	LS0600				12				28	12	28
120/16	LS0610		37/2.10		16				32	14	30
120/20	LS0620				20				36	16	32
150/10	LS0630	150	36/2.34	95/120	10	17	22	27	31	12	31
150/12	LS0640				12				33	16	32
150/16	LS0650		37/2.30		16				35	16	32
150/20	LS0660				20				36	16	32
185/10	LS0670	185	37/2.58	120/150	10	19	24.4	29	29	12.5	34
185/12	LS0680				12				31	16	34
185/16	LS0690				16				34	16	36
185/20	LS0700				20				40	19	36
240/10	LS0710	240	61/2.30	150/185	10	21.5	27.7	33	36	16	40
240/12	LS0720				12				36	16	40
240/16	LS0730				16				38	20	40
240/20	LS0740				20				42	20	40
300/0	LS0745	300	61/2.52	185/240		24.5	31.3	35	45	*	45
300/10	LS0750				10				35	15	45
300/12	LS0760				12				35	15	45
300/16	LS0770				16				45	15	45
300/20	LS0780				20				45	18	45
400/0	LS0790	400	61/2.91	240/300		27.5	35.6	41	47	*	49
400/16	LS0795				16				47	24	51
500/0	LS0800	500	91/2.67	300/400	**	31.6	40	41.5	54	*	58
630/0	LS0810	630	127/2.54	400/500	**	34.5	44.6	53	65	*	64
800/0	LS0820	800	127/2.87	630	**	40	51.2	68	75	*	73
1000/0	LS0830	1000	127/3.22		**	44	56.6	75	75	*	81

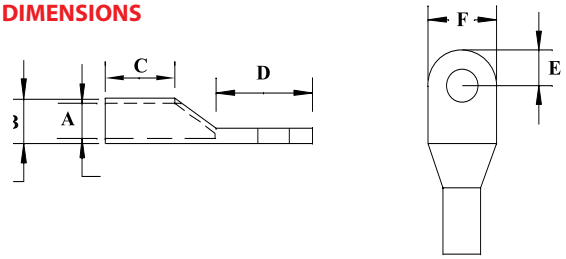
* Hole position to be specified by customer

** Stud sizes will be to customer requirements

*** Use indent compression for Flexible Stranded

TABLE 2 - HEAVY DUTY LUGS FOR COPPER COMPACTED XLPE CABLE

DIMENSIONS

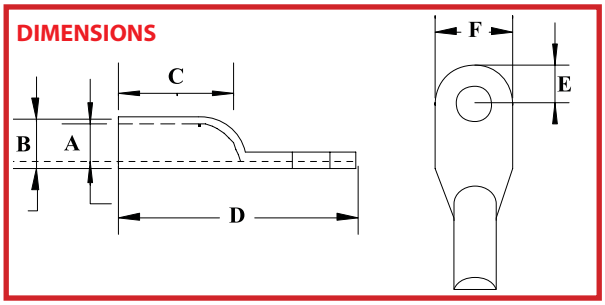


Cat No	Stock Code	Nominal Lug Size mm²	SABS 1339-2010 Nominal Dia Over Cond.	Stud Size mm	Nominal Dimensions mm					
					Barrel			Spade		
					A I.D	B O.D	C Length	D Length	E Hole Pos.	F Width
L35	XL0050	35	7.10	**	7.30	10.50	16.00	24.00	11.00	19.00
L50	XL0090	50	8.50	**	8.75	12.30	20.00	24.00	11.00	19.00
L70	XL0120	70	10.10	**	10.40	14.60	21.00	27.00	14.00	20.00
L95	XL0180	95	11.80	**	12.10	17.00	24.00	28.00	14.00	24.00
L120	XL0240	120	13.20	**	14.00	19.10	26.00	28.00	14.00	26.00
L150	XL0290	150	14.80	**	15.25	21.30	31.00	37.00	18.00	30.00
L185	XL0330	185	16.40	**	17.00	23.70	34.00	40.00	19.00	33.00
L240	XL0380	240	18.70	**	20.00	27.10	34.00	41.00	19.00	37.00
L300	XL0420	300	20.90	**	21.63	30.50	38.00	48.00	20.00	42.50
L400	XL0460	400	24.10	**	24.50	34.60	51.00	49.00	23.50	48.00
L500	XL0480	500	27.00	**	28.50	38.90	51.00	52.00	25.00	54.00
L630	XL0490	630		**	33.00	45.00	53.00	65.00	28.00	64.00

** Stud sizes will be to customer requirements

TABLE 3 - COPPER SOLDER LUGS

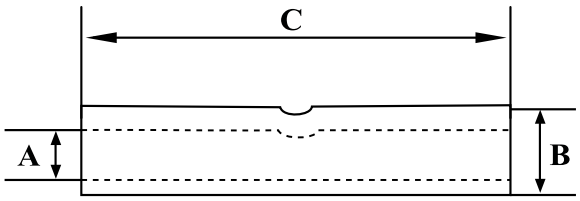
DIMENSIONS



Cat No	Stock Code	Nominal Lug Size mm²	Stud Size mm	Barrel			Overall	Spade	
				A I.D	B O.D	C Length	D Length	E Hole Pos.	F Width
60AMP	SL5010	50	10	9.55	11.36	15.00	47.00	9.60	17.00
100AMP	SL5020	70	11	11.88	13.96	17.00	59.00	12.80	20.50
150AMP	SL5030	95	12	14.30	17.20	20.00	68.00	14.20	25.50
200AMP	SL5040	120	14	16.70	19.90	28.00	78.00	17.60	29.50
300AMP	SL5060	150	17	20.65	24.40	33.00	87.00	20.70	36.00
400AMP	SL5070	240	20	23.80	27.86	36.00	104.00	23.80	41.50
500AMP	SL5080	300	21	26.18	31.50	40.00	108.00	27.20	46.00

TABLE 4 - FERRULES FOR COPPER CONDUCTOR/CABLE

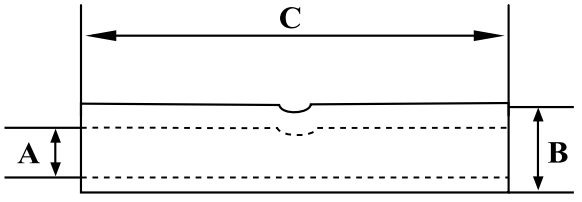
DIMENSIONS



Cat No	Stock Code	Nominal Dimensions mm A I.D	B O.D	C Length	Typical Conductors Circular Stranded mm	Nominal Sleeve Size mm²
F1.5	FS0010	1.9	3.8	13.	03/0.82	1.5
F2.5	FS0020	2.4	3.9	14.0	7/0.69	2.5
F4	FS0030	2.8	4.7	16.0	7/0.86	4
F6	FS0040	3.4	5.3	18.0	7/1.08	6
F10	FS0050	4.4	6.3	20.0	7/1.38	10
F16	FS0060	5.5	7.6	22.0	7/1.79	16
F25	FS0070	6.9	9	25.0	18/1.33	25
F35	FS0080	8.2	10.7	28.0	18/1.57	35
F50	FS0090	10	12.8	31.0	19/1.82	50
F70	FS0100	11.7	15	35.0	19/2.19	70
F95	FS0110	13.5	17.4	39.0	37/1.90	95
F120	FS0120	15.5	19.8	43.0	37/2.10	120
F150	FS0130	17	22	48.0	37/2.30	150
F185	FS0140	19	24.4	54.0	37/2.58	185
F240	FS0150	21.5	27.7	60.0	61/2.30	240
F300	FS0160	24.5	31.3	67.0	61/2.52	300
F400	FS0170	27.5	35.6	80.0	62/2.91	400
F500	FS0180	31.6	40	90.0	91/2.67	500
F630	FS0190	34.5	44.6	110.0	127/2.54	630
F800	FS0200	40	51.2	130.0	127/2.87	800
F1000	FS0210	44	56.6	154.0	127/3.22	1000

TABLE 5 - HEAVY DUTY FERRULES FOR COPPER COMPACTED XLPE CABLE

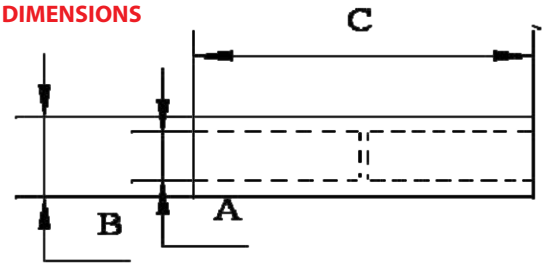
DIMENSIONS



Cat No	Stock Code	Nominal Dimensions mm A I.D	B O.D	C Length	Nominal Sleeve Size mm²
F35	XF0020	7.30	10.50	38.00	35.00
F50	XF0030	8.75	12.30	42.00	50.00
F70	XF0040	10.40	14.60	43.00	70.00
F95	XF0050	12.10	17.00	45.00	95.00
F120	XF0060	14.00	19.10	55.00	120.00
F150	XF0070	15.25	21.30	58.00	150.00
F185	XF0080	17.00	23.70	64.00	185.00
F240	XF0090	20.00	27.10	70.00	240.00
F300	XF0100	21.63	30.50	75.00	300.00
F400	XF0110	24.50	34.60	80.00	400.00
F500	XF0120	28.50	38.90	90.00	500.00
F630	XF0130	33.00	45.00	100.00	630.00

TABLE 6 - SOLID CENTRE (BARRIER) FERRULES

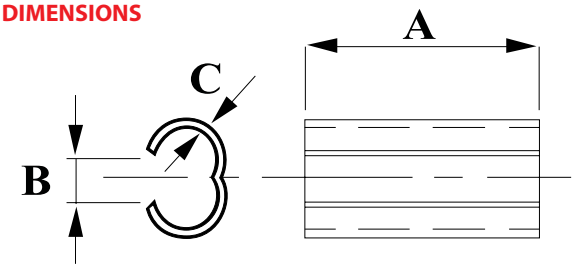
DIMENSIONS



Cat No	Stock Code	Nominal Dimensions mm A I.D	B O.D	C Length	Typical Conductors Circular Stranded mm	Nominal Sleeve Size mm^2
F10	SS0020	4.4	6.3	26	7/1.36	10
F16	SS0030	5.5	7.6	31	7/1.72	16
F25	SS0040	6.9	9	32	18/1.35	25
F35	SS0050	8.2	10.7	38	18/1.59	35
F50	SS0060	10	12.8	42	18/1.90	50
F70	SS0070	11.7	15	44	18/2.25	70
F95	SS0080	13.5	17.4	46	36/1.86	95
F120	SS0090	15.5	19.8	55	36/2.08	120
F150	SS0100	17	22	58	36/2.34	150
F185	SS0110	19	24.4	64	36/2.59	185
F240	SS0120	21.5	27.7	68	60/2.23	240
F300	SS0130	24.5	31.3	80	60/2.55	300

TABLE 7 - WEAKBACK FERRULES FOR COPPER CONDUCTOR/CABLE

DIMENSIONS



Size	Stock Code	A	B	C
16	WF 0010	26	7	0.70
25	WF 0020	30	8	1.05
35	WF 0030	36	12	1.25
50	WF 0040	45	14	1.40
70	WF 0050	46	16	1.65
95	WF 0060	51	17	1.95
120	WF 0070	56	20	2.15
150	WF 0080	61	21	2.50
185	WF 0090	69	22	2.70
240	WF 0100	80	23	3.10
300	WF 0110	90	24	3.40
400	WF 0120	96	28	4.05

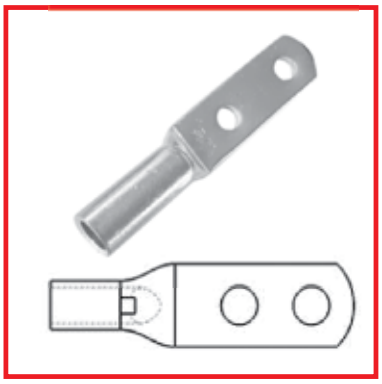
SPECIAL APPLICATION LUGS AND FERRULES

Special application products can be developed to suit a customers specific application.

Examples of these are detailed below which are manufactured to the customers dimensions.

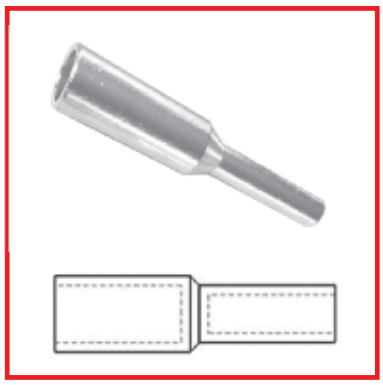
90º Outward Spade

90º Inward Spade



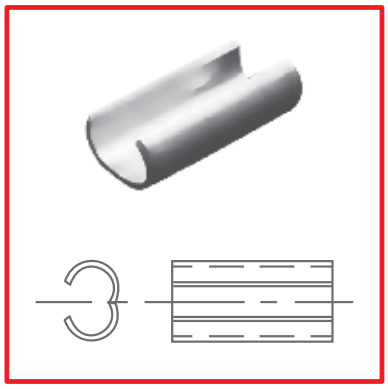
Long Spade Double Hole

Angled Spade

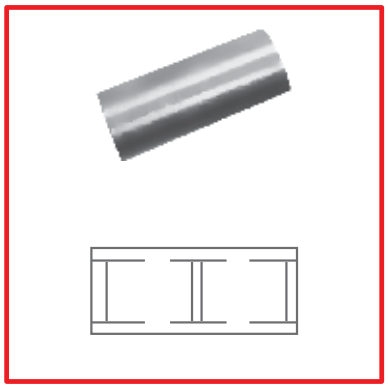


Reducing Ferrule

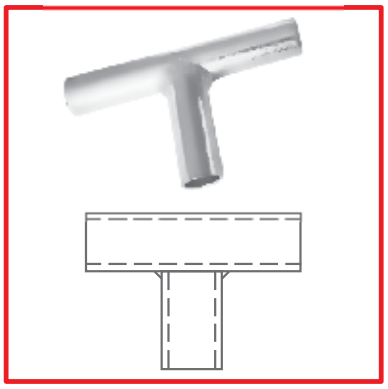
Tapered ferrule



Weakback Ferrule



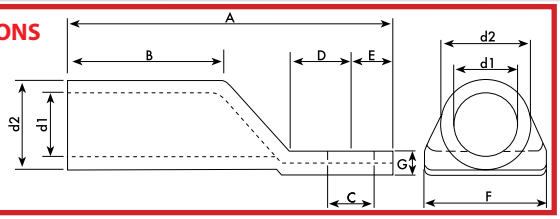
Solid Centre Ferrule



T Ferrule Brazed

TABLE 1A - ALUMINIUM ROUND LUGS FOR STRANDED CONDUCTOR

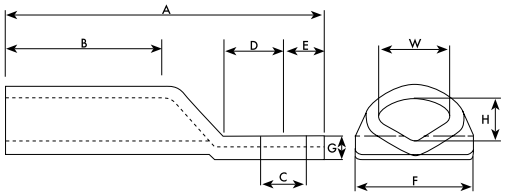
DIMENSIONS



Cable mm²	Stud Size	Catalogue Number	A	B	C	D	E	Palm Width "F"	Palm Thick "G"	dl	d2
25	8	AL0-25-8	65	28	8.4	17	12	17.0	4.0	7.0	11.3
	10	AL0-25-10			10.4						
	12	AL0-25-12			12.5			21.0	3.0		
35	8	AL0-35-8	70	30	8.4	17	12	21.0	3.5	8.3	12.9
	10	AL0-35-10			10.4						
	12	AL0-35-12			12.5						
50	10	AL0-50-10	70	32	10.4	17	12	20.0	4.5	9.9	14.7
	12	AL0-50-12			12.5						
	16	AL0-50-16			16.5			24.5	3.5		
70	10	AL0-70-10	78	36	10.4	17	12	25.0	5.0	11.7	17
	12	AL0-70-12			12.5						
	16	AL0-70-16			16.5						
95	10	AL0-95-10	85	39	10.4	17	12	28.5	5.5	13.7	19.7
	12	AL0-95-12			12.5						
	16	AL0·95-16			16.5						
120	10	AL0-120-10	92	45	10.4	17	12	31.0	6.5	15.3	22.2
	12	AL0-120-12			12.5						
	16	AL0·120·16			16.5						
150	12	AL0-150-12	103	48	12.5	20	16	35.0	7.0	17.2	24.7
	16	AL0-150-16			16.5						
	20	AL0-150-20			20.5						
185	12	AL0-185-12	110	53	12.5	20	16	38.0	7.5	19.0	27.3
	16	AL0-185-16			16.5						
	20	AL0-185-20			20.5						
240	On	AL0-240-0	118	57	On	22	18	43.5	9.0	21.8	31
300	Request	AL0-300-0	132	62	Request	25	20	49.0	9.5	24.9	35

TABLE 2A -ALUMINIUM 3 CORE SECTOR SHAPED CABLE LUGS FOR SOLID CONDUCTOR

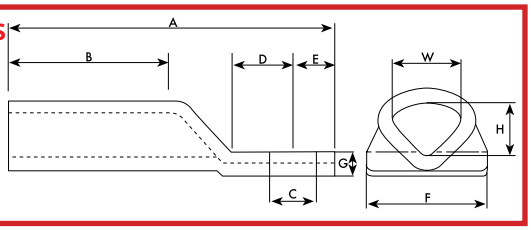
DIMENSIONS



Cable mm²	Stud Size	Catalogue Number	A	B	C	D	E	Palm Width "F"	Palm Thick "G"	Height "H"	Width "W"
25	8	AL3-25-8	65	28	8.4	17	12	15.0	4.0	5.20	8.73
	10	AL3-25-10			10.4						
	12	AL3-25-12			12.5			21.0	3		
35	8	AL3-35-8	70	30	8.4	17	12	17.5	4.5	5.90	10.05
	10	AL3-35-10			10.4						
	12	AL3-35-12			12.5			21.0	3.5		
50	10	AL3-50-10	70	32	10.4	17	12	22.0	4.5	7.50	11.85
	12	AL3-50-12			12.5						
	16	AL3-50-16			16.5			26.0	3.5		
70	10	AL3-70-10	78	36	10.4	17	12	24.0	5.0	8.50	14.10
	12	AL3-70-12			12.5						
	16	AL3-70-16			16.5			26.0	4.5		
95	10	AL3-95-10	82	39	10.4	17	12	28.0	6.0	9.55	16.35
	12	AL3-95-12			12.5						
	16	AL3-95-16			16.5						
120	10	AL3-120-10	88	45	10.4	17	12	31.0	6.5	11.05	18.50
	12	AL3-120-12			12.5						
	16	AL3-120-16			16.5						
150	12	AL3-150-12	100	48	12.5	20	16	34.0	7.0	12.15	20.60
	16	AL3-150-16			16.5						
	20	AL3-150-20			20.5						
185	12	AL3-185-12	106	53	12.5	20	16	38.0	8.0	13.40	22.40
	16	AL3-185-16			16.5						
	20	AL3-185-20			20.5						
240	On	AL3-240-0	118	57	On	22	18	43.5	8.5	15.55	26.05
300	Request	AL3-300-0	132	62	Request	25	20	49.0	10.0	17.35	29.00

TABLE 3A - ALUMINIUM 4 CORE SECTOR SHAPED CABLE LUGS FOR SOLID CONDUCTOR

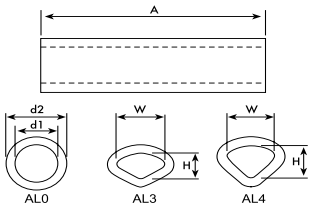
DIMENSIONS



Cable mm²	Stud Size	Catalogue Number	A	B	C	D	E	Palm Width "F"	Palm Thick "G"	Height "H"	Width "W"
25	8	AL3-25-8	65	25	8.4	17	11	15.0	4.0	5.80	7.88
	10	AL3-25-10			10.4						
	12	AL3-25-12			12.5			21.0	3		
35	8	AL3-35-8	70	30	8.4	17	11	17.5	4.5	7.10	9.70
	10	AL3-35-10			10.4						
	12	AL3-35-12			12.5			21.0	3.5		
50	10	AL3-50-10	70	32	10.4	17	12	20.0	4.5	7.90	10.80
	12	AL3-50-12			12.5						
	16	AL3-50-16			16.5			26.0	3.5		
70	10	AL3-70-10	78	36	10.4	17	12	23.0	5.0	9.30	13.00
	12	AL3-70-12			12.5						
	16	AL3-70-16			16.5			26.0	4.5		
95	10	AL3-95-10	85	39	10.4	17	12	27.5	5.7	10.85	15.10
	12	AL3-95-12			12.5						
	16	AL3-95-16			16.5						
120	10	AL3-120-10	88	45	10.4	17	12	31.0	6.5	12.50	17.00
	12	AL3-120-12			12.5						
	16	AL3-120-16			16.5						
150	12	AL3-150-12	100	48	12.5	20	16	34.5	7.2	13.80	18.80
	16	AL3-150-16			16.5						
	20	AL3-150-20			20.5						
185	12	AL3-185-12	106	53	12.5	20	16	38.5	8.0	15.25	21.00
	16	AL3-185-16			16.5						
	20	AL3-185-20			20.5						
240	On	AL3-240-0	118	57	On	22	18	43.5	8.5	17.355	23.08
300	Request	AL3-300-0	132	62	Request	25	20	49.0	9.7	19.50	26.40

TABLE 4A - ALUMINIUM FERRULES

DIMENSIONS



Cable mm²	Catalogue Numbers Stranded	d1	d2	Catalogue Numbers 3-Core Sectorial	H	W	Catalogue Numbers 4-Core Sectorial	H	W	A
25	AL0-F-25	7.0	11.3	AL3-F-25	5.20	8.73	AL4-F-25	5.80	7.88	66
35	AL0-F-35	8.3	12.9	AL3-F-35	5.90	10.05	AL4-F-35	7.10	9.70	70
50	AL0-F-50	9.9	14.7	AL3-F-50	7.50	11.85	AL4-F-50	7.90	10.80	74
70	AL0-F-70	11.7	17	AL3-F-70	8.50	14.10	AL4-F-70	9.30	13.00	78
95	AL0-F-95	13.7	19.7	AL3-F-95	9.55	16.35	AL4-F-95	10.85	15.10	84
120	AL0-F-120	15.3	22.2	AL3-F-120	11.05	18.50	AL4-F-120	12.50	17.00	91
150	AL0-F-150	17.2	24.7	AL3-F-l50	12.15	20.60	AL4-F-150	13.80	18.80	102
185	AL0-F-185	19.0	27.3	AL3-F-185	13.40	22.40	AL4-F-185	15.25	21.00	108
240	AL0-F-240	21.8	31	AL3-F-240	15.55	26.05	AL4-F-240	17.35	23.80	118
300	AL0-F-300	24.9	35	AL3-F-300	17.35	29.00	AL4-F-300	19.50	26.40	130

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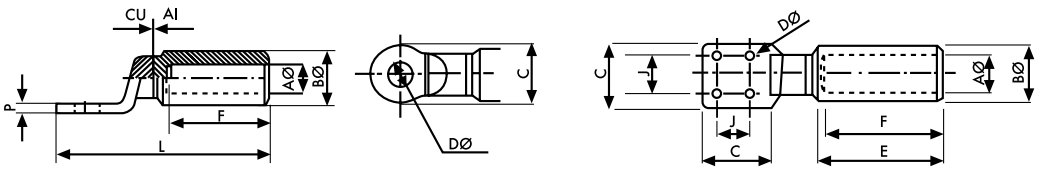
Bi-Metallic Lugs and Ferrules

TABLE 1B - BIMETALLIC CRIMPING LUGS

DIMENSIONS



SECTION mm²	REFERENCE	DIMENSIONS mm								
		AØ	BØ	C	DØ	E	F	J	L	P
16	Y4A16A105C	6.0	16.0	20.0	10.5	47.5	43.0	-	80.0	4.5
25	Y4A25A105C	7.0								
35	Y4A35A128C	8.3		25.0	12.8				86.0	5.0
50	Y4A50A128C	9.9	20.0							
70	Y4A70A128C	11.7								
95	Y4A95A128C	13.7								
120	Y4A120A128C	15.3	25.0	30.0		64.0	59.0		112.0	6.0
150	Y4A150A128C	17.2								
185	Y4A185A128C	19.0	32.0						114.0	
240	Y4A240A128C	21.8								
300	Y4A300A165C	24.9	35.0	36.0	16.5	100.0	93.0		158.0	7.0
400	Y4A400A165C	26.0	40.0							
500	Y4A500A490C	29.1	47.0	60 X 60	4 X 9.0	101.0	94.0	30 X 30	200.0	10.0
630	Y4A630A490C	32.5								
800	Y4A800A4110C	37.5	60.0	80 X 80	4 X 11.0	136.0	125.0	40 X 40	270.0	
1000	Y4A1000A4110C	42.0								
1200	Y4A1200A4110C	45.5	65.0			146.5	136.0			

TABLE 2B - COMPRESSION DIES FOR BIMETALLIC LUGS

Section mm²	Reference	Hydraulic Compression Tooling			Pre Rounding	Deep Indent	Hexagon
16	Y4A16A105C	Y35	TP400B / TP400H	TP630H	-	U35AOE	U140BGE4T(95)
25	Y4A25A105C						
35	Y4A35A128C						
50	Y4A50A128C				U50PRGE3T	U95A1E	U173BGE4T(150)
70	Y4A70A128C				U70PRGE3T		
95	Y4A95A128C				U95PRGE3T		
120	Y4A120A128C				U120PRGE3T	U150A2E	U215BGE5T(240)
150	Y4A150A128C				U150PRGE3T		
185	Y4A185A128C				U185PRGE3T	U240A4E	U280BGE4T(400)
240	Y4A240A128C				U240PRGE3T		
300	Y4A300A165C		Y60BHU / C0S00		U300PRGE3T	U300A34N	-
400	Y4A400A165C				-		-
500	Y4A500A490C						
630	Y4A630A490C						

TABLE 3B - BIMETALLIC COMPRESSION FERRULES

DIMENSIONS

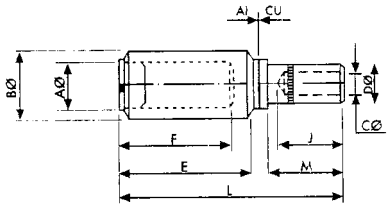


FIG 1

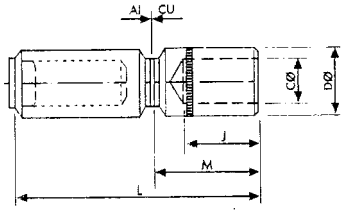
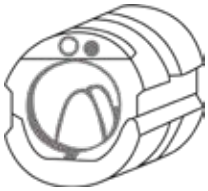


FIG 2

SECTION mm²		REFERENCE	FIG.	DIMENSIONS								
AL	CU			AØ	BØ	CØ	DØ	E	F	J	M	L
25	16	Y4RP25SA16C	2	7.0	16.0	5.6	12.2	47.5	43.0	29.5	34.5	87.0
	25	Y4RP25SA25C				7.0						
35	16	Y4RP35SA16C		8.3		5.6						
	25	Y4RP35SA25C				7.0						
	35	Y4RP35SA35C				8.0						
50	16	Y4RP50SA16C	1	9.9	20.0	5.6					33.0	
	25	Y4RP50SA25C				7.0						
	35	Y4RP50SA35C				8.0						
	50	Y4RP50SA50C				9.5						
70	16	Y4RP70SA16C	1	11.7		5.6						
	25	Y4RP70SA25C				7.0						
	35	Y4RP70SA35C				8.0						
	50	Y4RP70SA50C				9.5						
	70	Y4RP70SA70C	2			11.0	21.0			33.5	38.5	91.0
95	35	Y4RP95SA35C	1	13.7		8.0	12.2			29.5	33.0	87.0
	50	Y4RP95SA50C				9.5						
	70	Y4RP95SA70C	2			11.0	21.0			33.5	38.5	91.0
	95	Y4RP95SA95C				13.0						
120	35	Y4RP120SA35C	1	15.3	25.0	8.0	12.2	64.0	59.0	29.5	33.0	104.0
	50	Y4RP120SA50C				9.5						
	70	Y4RP120SA70C	2			11.0	21.0			33.5	38.5	108.0
	95	Y4RP120SA95C				13.0						
	120	Y4RP120SA120C				14.2						
150	50	Y4RP150SA50C	1	17.2		9.5	12.2			29.5	33.0	104.0
	70	Y4RP150SA70C	2			11.0	21.0			33.5	38.5	108.0
	95	Y4RP150SA95C				13.0						
	120	Y4RP150SA120C				14.2						
	150	Y4RP150SA150C				16.0						
185	70	Y4RP185SA70C	1	19.0	32.0	11.0					37.0	108.0
	95	Y4RP185SA95C				13.0						
	120	Y4RP185SA120C				14.2						
	150	Y4RP185SA150C				16.0						
	185	Y4RP185SA185C	2			18.0	26.2			43.5	49.0	120.0
240	95	Y4RP240SA95C	1	21.8		13.0	21.0			33.5	37.0	108.0
	120	Y4RP240SA120C				14.2						
	150	Y4RP240SA150C				16.0						
	185	Y4RP240SA185C	2			18.0	26.2				49.0	120.0
	240	Y4RP240SA240C				20.0				43.5		

TABLE 4B - COMPRESSION DIES FOR FERRULES

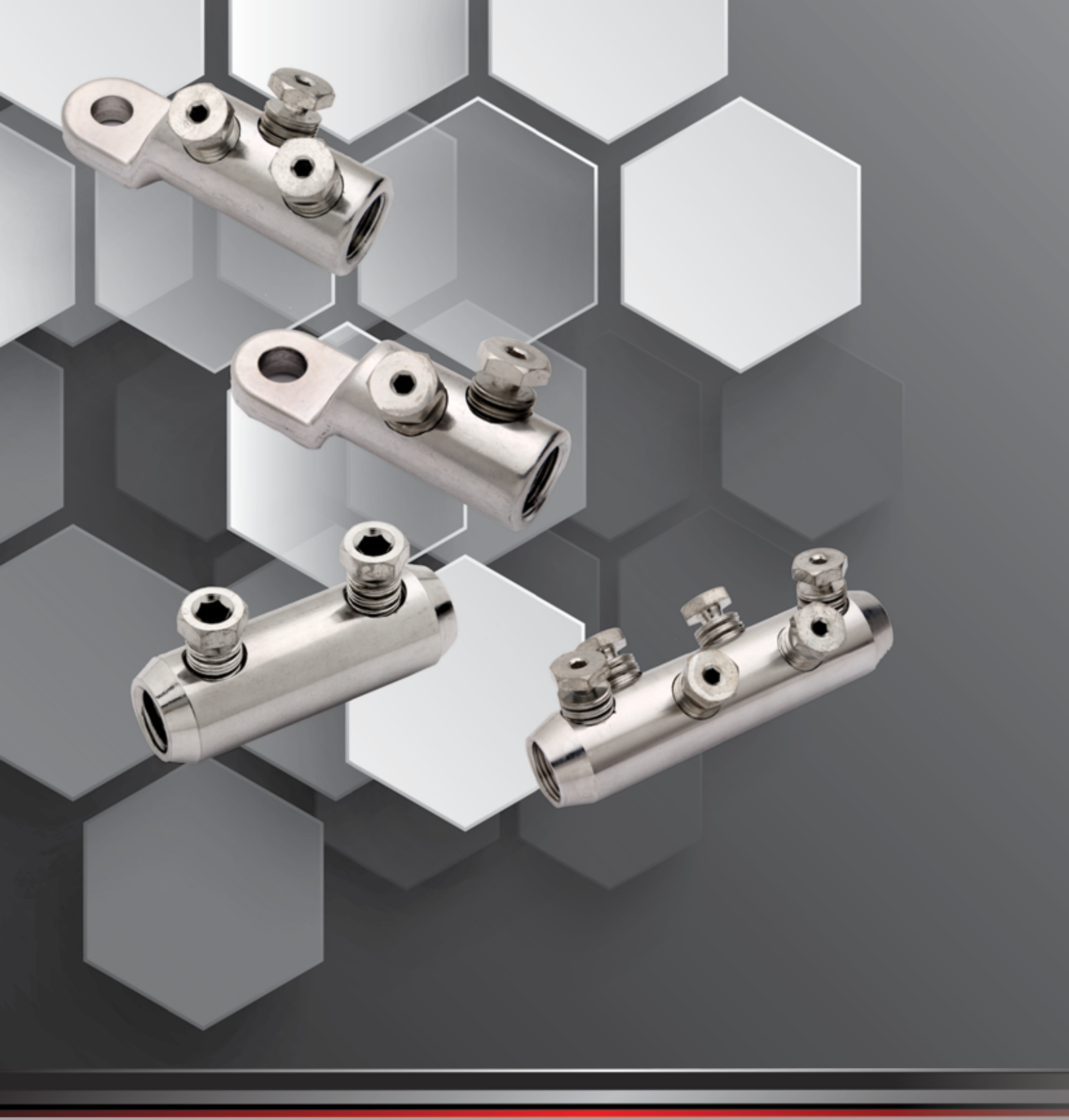
DIMENSIONS



DEEP INDENT

HEXAGON

SECTION mm²		REFERENCE	ALUMINIUM		COPPER HEXAGON
AL	CU		DEEP INDENT	HEXAGON	
25	16	Y4RP25SA16C	U35AOE	U140BGE4T (95)	BU/1060 (50mm Die)
	25	Y4RP25SA25C			
35	16	Y4RP35SA16C			
	25	Y4RP35SA25C			
	35	Y4RP35SA35C			
50	16	Y4RP50SA16C	U95A1E	U173BGE4T (150)	
	25	Y4RP50SA25C			
	35	Y4RP50SA35C			
	50	Y4RP50SA50C			
70	16	Y4RP70SA16C			
	25	Y4RP70SA25C			
	35	Y4RP70SA35C			
	50	Y4RP70SA50C			
	70	Y4RP70SA70C			BU/0980 (150mm Die)
95	35	Y4RP95SA35C			BU/1060 (50mm Die)
	50	Y4RP95SA50C			
	70	Y4RP95SA70C			BU/0980 (150mm Die)
	95	Y4RP95SA95C			
120	35	Y4RP120SA35C	U150A2E	U215BGE5T (240)	BU/1060 (50mm Die)
	50	Y4RP120SA50C			
	70	Y4RP120SA70C			BU/0980 (150mm Die)
	95	Y4RP120SA95C			
	120	Y4RP120SA120C			
150	50	Y4RP150SA50C			BU/1060 (50mm Die)
	70	Y4RP150SA70C			
	95	Y4RP150SA95C			BU/0980 (150mm Die)
	120	Y4RP150SA120C			
	150	Y4RP150SA150C			
185	70	Y4RP185SA70C	U240A4E	U280BGE4T (400)	BU/0980 (150mm Die)
	95	Y4RP185SA95C			
	120	Y4RP185SA120C			
	150	Y4RP185SA150C			
	185	Y4RP185SA185C			BU/1010 (240mm Die)
240	95	Y4RP240SA95C			BU/0980 (150mm Die)
	120	Y4RP240SA120C			
	150	Y4RP240SA150C			
	185	Y4RP240SA185C			BU/1010 (240mm Die)
	240	Y4RP240SA240C			



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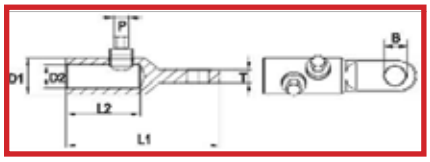
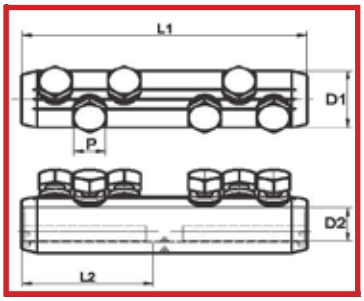
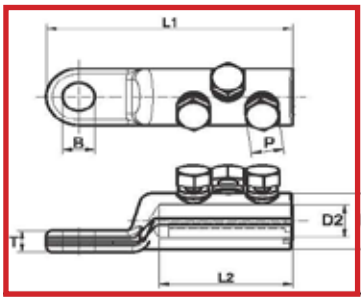
Torque Shear Lugs and Connectors

MECHANICAL SCREW CONNECTOR FOR APPLICATION UP TO 36 KV







Product		Conductor Size mm²	No. of Bolts	Dimensions (mm)						
				L1	L2	D1	D2	T	P	B
Lugs	ATSL25/95/12B1	25-95	1	64,6	32,5	24	13,3	9	13	13
	ATSL25/95/16B1	25-95	1	64,6	32,5	24	13,3	9	13	17
	ATSL35/150/12B1	35-150	1	72,6	38,5	28	16	10	17	13
	ATSL70/240/12B2	70-240	2	97,7	61,5	33	20	13	17	13
	ATSL70/240/16B2	70-240	2	97,7	61,5	33	20	13	17	17
	ATSL120/300/12B2	120-300	2	106,7	67,5	38	24	14	22	13
	ATSL120/300/16B2	120-300	2	106,7	67,5	38	24	14	22	17
	ATSL185/400/12B2	185-400	3	120	78	42	26	16	22	13
	ATSL185/400/16B2	185-400	3	120	78	42	26	16	22	17
	ATSL300/630/12B3	300-630	3	140	90	52	33	20	24	13
	TSL300/630/16B3	300-630	3	140	90	52	33	20	24	17
	ATSL630/1000/12B4	630-1000	4	192	107	65	41	16,9	22	13
	ATSL630/1000/16B4	630-1000	4	192	107	65	41	16,9	22	17
Connectors	ATSC10/35B2	10-35	2	45	21	19	8,3		9	
	ATSC25/95B2	25-95	2	70	33,5	24	13,3		13	
	ATSC35/150B2	35-150	2	80	38,5	28	16		17	
	ATSC70/240B4	70-240	4	125	61	33	20		19	
	ATSC120/300B4	120-300	4	140	68	38	24		22	
	ATSC185/400B6	185-400	6	170	83	42	26		22	
	ATSC300/630B6	300-630	6	200	97	52	33		24	
	ATSC630/1000B8	630-1000	8	220	105	65	41		22	
	ATSLC25/95B1	25-95	1	88,5	32	24	13,3	13	13	17,5
	ATSLC70/240B2	70-240	2	115	58	33	20	13	19	17,5

Conforms to IEC61238-1

INSTALLATION INSTRUCTIONS FOR MECHANICAL SCREW LUGS & FERRULES




LUGS

Size	Al Circular	Al Sector	Cu Circular	Cu Sector	Strip Length	Retain Insert	Remove Insert	Head Size (AF)
25-95	25-95	25-70[1)]	25-95	25-70[1)]	35	25-50	70-95	13
35-150	35-150	35-120[1)]	35-150	35-120[1)]	41	35-70	95-150	17
70-240	70-240	70-185[1)]	70-240	70-185[1)]	64	70-120	150-240	19
120-300	120-300	120-240[1)]	120-300	120-240[1)]	71	120-185	240-300	22
185-400	185-400	185-300[1)]	185-400	185-300[1)]	81	185-240	300-400	22
300-630	300-630	300-500[1)]	300-630	300-500[1)]	92	300-400	500-630	24

Note: [1)] Pressed round

CONNECTORS - FERRULES

Size	Al Circular	Al Sector	Cu Circular	Cu Sector	Strip Length	Retain Insert	Remove Insert	Head Size (AF)
10-35/2	10-35	10-25[1)]	10-35	10-25[1)]	23	–	–	9
25-95/2	25-95	25-701)	25-95	25-701)	35	25-50	70-95	13
35-150/2	35-150	35-1201)	35-150	35-1201)	40	35-70	95-150	17
35-150/4	35-150	35-1201)	35-150	35-1201)	53	35-70	95-150	17
70-240/4	70-240	70-1851)	70-240	70-1851)	63	70-120	150-240	19
120-300/4	120-300	120-2401 J	120-300	120-2401 J	70	120-185	240-300	22
185-400/6	185-400	185-3001)	185-400	185-3001)	85	185-240	300-400	22
300-630/6	300-630	300-5001)	300-630	300-5001)	99	300-400	500-630	24

Note: [1)] Pressed round

- *Manufactured from high purity copper*
- *Connections can be made off circuit or live line*
- *LV or HV application*
- *Install in all weather conditions*
- *Ensures consistently reliable joints*
- *Simple die selection and ease of compression*
- *Manual & hydraulic tools available*

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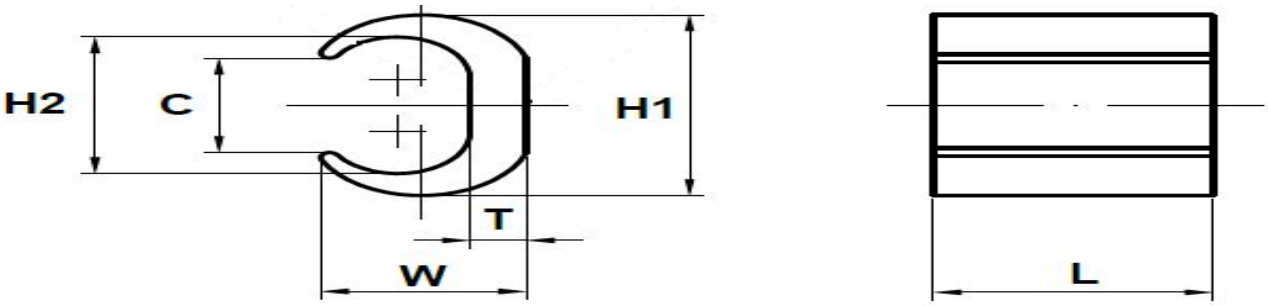
C Shaped Copper Connectors

COPPER CRIMPITS

Dimensions (mm)							
Part No.	Cable Spec (mm)	H1	H2	W	L	C	T
CCT-10	2.5 - 4	9,50	6,30	6,20	12,00	4,00	1,60
CCT-16	4 - 6	11,80	7,80	7,80	13,00	5,00	2,00
CCT-20	6 - 10	12,80	8,60	9,70	13,00	5,40	2,90
CCT-26	10	14,70	10,20	10,00	16,00	6,50	3,20
CCT-44	16,00	19,00	13,40	14,40	20,00	8,50	4,00
CCT-60	16 - 25	21,00	15,40	15,40	22,00	9,70	4,00
CCT-76	25 - 35	24,40	17,30	17,60	22,00	10,80	5,00
CCT-98	35 - 50	27,80	20,80	18,80	25,00	12,80	5,00
CCT-122	50,00	29,80	22,10	21,20	26,00	13,50	5,50
CCT-154	50 - 70 3	4,00	25,70	24,40	28,00	17,00	6,00
CCT-190	70 - 95	37,00	28,50	25,40	35,00	17,40	6,00
CCT-240	95 - 120	40,00	30,20	28,50	40,00	19,00	7,00
CCT-288	120 - 150	44,50	34,70	34,10	45,00	22,30	7,00
CCT-65	150 - -185	47,50	37,70	34,00	50,00	24,80	7,00
CCT-450	185 - 240	57,00	42,50	41,00	60,00	28,00	10,00
CCT-560	240 - 300	62,00	46,00	44,00	65,00	31,00	11,00
CCT-700	300 - 400	68,00	54,00	49,50	70,00	44,00	12,00



BURNDY AVAILABLE ON REQUEST

COPPER EARTHTAIL CLAMPS AS BELOW ARE AVAILABLE FOR 10MM COPPER CONDUCTOR

TIN PLATED ON REQUEST

CRIMPIT connectors are manufactured from "C" shaped sections of high purity copper.

They are equally suitable for making tap connections on dead or live line.

CRIMPIT connectors provide a consistently reliable joint. The die selection is simple

The die set and crimpit are cross-referenced with a die index letter or number, providing that these agree, there will be no question of the wrong die set being selected. In all cases the number of compressions required is indicated on the back.

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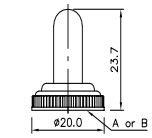
Toggle and Float Switches

TOGGLE (SNAP) SWITCHES

W-70



A	M12.0X1.0
B	M12.0X0.75

FOR 60XX 70XX 703X SERIES

P-70

A	ON - OFF
B	ON - ON
C	ON - OFF - ON

FOR 60XX 70XX 703X SERIES

Terminals	
A	Solder Terminal
B	Screw Terminal
C	Quick Terminal

Switch Function ( ): Momentary				
Model No.	KEY WAY	KEY WAY	KEY WAY	Operations
7011	ON	-	OFF	SPST
7012	ON	-	ON	SPDT
7013	ON	OFF	ON	SPDT
7014	(ON)	OFF		SPST
7015	(ON)	-	ON	SPDT
7016	(ON)	OFF	(ON)	SPDT
7017	(ON)	OFF	ON	SPDT
7021	ON	-	OFF	DPDT
7022	ON	-	ON	DPDT
7023	ON	OFF	ON	DPDT
7024	(ON)	OFF		DPST
7025	(ON)	-	ON	DPDT
7026	(ON)	OFF	(ON)	DPDT
7027	(ON)	OFF	ON	DPDT

LR02 & LR03 NON MERCURY LEVEL REGULATORS

Float Switches are inexpensive and efficient liquid level detectors. They are simple to install, and designed for trouble free operation over a long life.

The LR02 is a non-mercury version of the highly successful LR01 / SC37 series. The mercury tilt switch as used in the LR01 is replaced by a micro-switch and rolling ball arrangement, which eliminates all heavy metals.

The LR03 is a plastic float switch moulded to either a PVC or synthetic rubber 3 core cable. Actuation is via a roller ball and micro-switch arrangement within the switch thereby eliminating all heavy metals from this version.

LR02

LR03

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Pre-Insulated Terminals

WIRE RANGE mm²	RING	SPADE	PIN	BUT	BULLET MALE	BULLET FEMALE	FLAT BLADE	HOOK BLADE	MALE DISCONNECT	FEMALE DISCONNECT	FEMALE DISCONNECT	FULL INSULATED FEMALE
0.5 - 1.5mm²	RV1-3/7	SV1-3/7	PTV1-10	BVS1	MPV1-156	FRV1-156	DBV1-11 (11 X 3mm)	LBV1-4/6 (4.6mm)	MDV1-250 (6.3mm)	FDV1-250 (6.3mm)	PBDV1-250 (6.3mm)	FDFV1-250 (6.3mm)
	RV1-4	SV1-4								FDV1-187 (4.8mm)		
	RV1-5	SV1-5					DBV1-18 (18 X 2.3mm)	LBV1-3 (3mm)		FDV1-110 (2.8mm)		
	RV1-6	SV1-6										
	RV1-8											
	RV1-10											
1.5 - 2.5mm²	RV2-3/7	SV2-3/7	PTV2-10	BVS2	MPV2-156	FRV2-156	DBV2-9 (9 X 2.8mm)	LBV2-4/6 (4.6mm)	MDV2-250 (6.3mm)	FDV2-250 (6.3mm)	PBDV2-250 (6.3mm)	FDFV2-250 (6.3mm)
	RV2-4	SV2-4								FDV2-187 (4.8mm)		
	RV2-5	SV2-5					DBV2-18 (18 X 2.3mm)	LBV2-3 (3mm)				
	RV2-6	SV2-6										
	RV2-8											
	RV2-10											
4.0 - 6.0mm²	RV5-3/7	SV5-3/7	PTV5-13	BVS5	MPV5-156	FRV5-195	DBV5-10 (10 X 2.8mm)	LBV5-4/6 (4.6mm)	MDV5-250 (6.3mm)	FDV5-375 (9.5mm)	PBDV5-250 (6.3mm)	FDFV5-250 (6.3mm)
	RV5-4	SV5-4								FDV5-250 (6.3mm)		
	RV5-5	SV5-5						LBV5-4/6 (3mm)				
	RV5-6	SV5-6										
	RV5-8											
	RV5-10											
	RV5-13											

- PT0180 Bootlace ferrules - 0.5 white, 8mm
- PT0182 Bootlace ferrules - 1.00 red, 8mm
- PT0183 Bootlace ferrules - 1.50 black, 8mm
- PT0184 Bootlace ferrules - 2.50 grey, 8mm
- PT0185 Bootlace ferrules - 4.00 orange, 9mm
- PT0186 Bootlace ferrules - 6.00 green, 18mm
- PT0187 Bootlace ferrules - 10.00 brown, 18mm
- PT0188 Bootlace ferrules - 16.00 ivory, 18mm

TC-6
Bootlace ferrule crimping

T-J6
Pre-insulated terminal crimper

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Tooling

HAND COMPRESSION TOOLS

TS-16L
Hand Crimping tool ratchet type with indent crimp 1.5 mm^2– $16mm^2$. The ratchet facility ensures a full depth crimp.

HX-10
Hand Crimping tool ratchet type with hexagonal crimp $1,5mm^2$ – $10mm^2$. The ratchet facility ensures a perfect crimp.

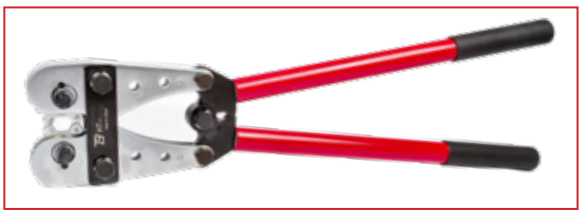
HX-16
Hand Crimping tool ratchet type with hexagonal crimp $6mm^2$ – $16mm^2$. The ratchet facility ensures a perfect crimp.

HX-25B
Hand Crimping tool ratchet type with hexagonal crimp $6mm^2$ – $25mm^2$. The ratchet facility ensures a perfect crimp.

HT-50
Hand Crimping tool for tubular cable connectors which incorporates. 2 rotary die wheels which can be dialled to any crimping configuration from $16mm^2$ – $50mm^2$ hexagonal crimp.

HT-120
Hand Crimping tool for tubular cable connectors which incorporates. 2 rotary die wheels which can be dialled to any crimping configuration from $16mm^2$ – $120mm^2$ hexagonal crimp

HT-150
Hand Crimping tool for tubular cable connectors which incorporates. 2 rotary die wheels which can be dialled to any crimping configuration from $16mm^2$ – $150mm^2$ hexagonal crimp.



MT-120
Hand Crimping tool with adjusting nest for indent crimping from $16mm^2$ – $120mm^2$ on copper connectors.

ECT-45

PORTABLE BATTERY POWERED HYDRAULIC CUTTING TOOL Battery Head rotates 360° . With LED. 2x High-capacity 18V Li-Ion battery with quick charger. Plastic case. Max 45mm dia.

ECT-12042

PORTABLE BATTERY POWERED HYDRAULIC COMPRESSION TOOL Battery Head rotates 360° . With LED. 2x High-capacity 18V Li-Ion battery with quick charger. Plastic case. Crimping dies from 35mm^2 -400mm^2 included.

SELF CONTAINED HYDRAULIC COMPRESSION TOOLS

HCT-185

Self contained crimping tool complete with carry case and hexagonal dies suitable for copper 10mm^2 -185mm^2. Hexagonal crimp with head rotating through 180°

EP510C

Self contained tool complete with carry case and hexagonal dies from 35mm^2 to 400mm^2. Suitable for crimping copper and aluminium conductors. Head rotating through 180°

HCT-6030

Self contained tool complete with carry case. Suitable for crimping copper and aluminium conductors from 10mm^2 -300mm^2. Head rotating through 180°

HCT-6022

Self contained tool complete with carry case. Suitable for crimping copper and aluminium conductors. Head rotating through 180°

YQK300

Crimping tool Suitable to crimp from 16mm^2 - 300mm^2. Comes complete with dies and carry case

DIE SETS

Manufacturing and supply of standard and specialised die sets

REMOTE HEAD HYDRAULIC COMPRESSION TOOLS

PCS-12042
12 Ton single acting remote head complete with carry case and hexagonal dies from 50mm^2 to 400mm^2.Suitable for crimping copper and aluminium conductors. Operates with any hydraulic pump with an output pressure of 700 bar. (38mm jaw opening)

PCS-25
25 Ton single acting remote head complete with carry case complete with hexagonal dies from 35mm^2 to 630mm^2 and adaptor die in a carry case. Operates with any hydraulic pump with an output pressure of 700 bar.

PCS-22
Hydraulic crimping head. Pressure connector rotates 360 deg. Equipped with quick coupler for easy disassemble. Powered by single acting hydraulic pump 6 ton force. 700 bar pressure. 22mm wide dies 50mm^2 to 300mm^2 dies included. Canvas bag

PCS-100
100 Ton double acting hydraulic crimping head. Only operates with double acting hydraulic pumps with an output pressure of 700 bar.

MANUAL HYDRAULIC PUMPS

HP700 Hand Pump
Hand operated hydraulic pump 700bar / 10 000psi. Complete with 1,8m hose and female coupling.

CFP800 Foot pump
Two speed type with 3/8 NPT oil port thread, 700kgF/cm2 Oil pressure, Oil speed 2.8c.c./min. at Max. Pressure 700kgs/cm^2 Oil speed 13c.c./min. at Min. Pressure 20kgs/cm^2 0.8 Liter reservoir capacity.

ELECTRIC HYDRAULIC PUMPS

REP1
Single acting electric (220V / 650W) hydraulic pump 700bar / 10 000 psi. Complete with remote control switch and 1,8m hose and female coupling.

REP2
Single acting electric (220V / 650W) hydraulic pump 700bar / 10 000 psi. Complete with remote control switch and 1,8m hose and female coupling.

PM-3001
Double acting electric (220V / 650W) hydraulic pump 700bar / 10 000 psi. Complete with remote control switch and 2 x 1,8m hose and couplings.

HPG700
Engine hydraulic double acting pump 700bar / 10 000 psi.

CABLE CUTTERS

LK-22
Hand cutter for copper and aluminium cable maximum 22mm^2

LK-38
Hand cutter for copper and aluminium cable maximum 38mm^2

LK-60
Hand cutter for copper and aluminium cable maximum 60mm^2

J-52
Ratchet type core cutter for copper and aluminium maximum Ø 52mm

CC-325
Ratchet type core cutter for copper and aluminium maximum Ø 32mm

AC-200
ACSR & Rod & Wire cuttercable 150mm^2 / ACSR Ø 15mm / Spring wire Ø 4.5mm and steel bar Ø 9mm

LK-325
Copper and Aluminium Core cutter 325mm^2

HC-45
6 Ton double stage Hydraulic cutter CU/AL/ACSR max: 45mm dia. Steelbar max: 20mm dia.

HC-85
6 Ton double stage Hydraulic cutter CU/AL max: 85mm dia. Armoured cable max: 185mm^2 x 3

PC-105
Hydraulic cutting head for CU/AL max 105mm dia and armoured cable max 300mm^2 x 3

WIRE / CABLE STRIPPERS

HS-700B
1,0mm² to 3,2mm² Wire

HS-D1
0,13mm² to 6mm² Wire - Combination stripper / crimper / cutter

BUSBAR FABRICATION / CHASSIS PUNCH

MAP-9
Hydraulic Punch Driver
Stainless steel plate Max. thickness 1.6mm. Mild steel plate Max. thickness 3.2mm. Comes complete with 6 sets of punches and dies from Ø 21.8mm to 60.5mm

BH-10B
Hydraulic Punch Driver
Stainless steel plate Max. thickness 1.6mm. Mild steel plate Max. thickness 3.2mm. Comes complete with 6 sets of punches and dies from Ø 21.8mm to 115.5mm and hand pump.

SHAB80C
Hydraulic Punch
Max. thickness 10mm on steel and 13mm on copper and aluminium. Complete with 4 sets of punches and dies from Ø 10.5mm to 20.5mm

BC200V
Busbar Cutter
Max. 200mm x 12mm

LB200C
Busbar Bender
Max. 200mm x 12mm

BUSBAR MANUFACTURING

Multifunctional busbar processing machine

- Three in one busbar processor for cutting, punching and bending of copper busbar and aluminum busbar.
- It is designed for irregular sized busbar procession on mid and small scaled transformer, switchboard box line or assembling site.
- Punch holes without burr. Cutting surface smooth and cutting angle accurately. It's good for quick and repeat batch procession.
- Four way valve control switch accurately guide to the position of punching , bending and cutting.
- Safe and firm pedal switch could control oil inlet and oil return.

Functions	with three functions: cutting, punching and bending
Dimension of work table	approx.690x690x730mm
Voltage single phase	220V50HZ
Rating oil pressure	700kg/cm^2
Bending force	170KN/200KN
Bending range	150x10mm max/200x12mm max
Cutting force	200KN/300KN
Cutting range	150x10mm max/200x12mm max
Punching Force	300KN/350KN
Distance from hole to sheet side	95mm/110mm
Punch range	Ø10.5mm, Ø13.8mm, Ø17mm, Ø 20.5mm
Package	wooden case

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Busbar Fabrication Equipment

THREE IN ONE BUSBAR FABRICATING SLB 125

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Features:

- Especially robust and stiff frame.
- Very high quality cutting, bending and punching.
- High operating safety with the built-in safety system.
- Lightning-swift tool changes with a minimum of manipulation.
- The 150 bar low-pressure system ensures a long service life and very fast cycle times.
- Punches copper and aluminum busbars up to 13 mm thick, elongated holes up to 21 x 14 mm and round holes up to 21 mm in diameter.
- Busbars bent accurately up to 120° – very accurate reproducibility of the set angle.

Step bending tool

SLB 125 Accessories

- **Small step bending tool (O/N 31425)**
  For quick and 100 % parallel step bends, on up to 80 x 8 mm busbars. Step = 21 mm wide and 18 mm high.
- **Large step bending tool (O/N 31646)**
  For quick and 100 % parallel step bends, on up to 120 x 10 mm busbars. Step = 37 mm wide and 25 mm high.
- **Short leg bender (O/N 31636)**
  The supplementary -short leg benderwill allow short "L"- bends with only 25 mm leg. SLB 125 standard setup will allow 45 mm as shortest leg.
- **Special U-bender 60 mm (O/N 42430)**
  Accomplish small and tight U-bends like on no other multi purpose busbar centre.Precise and tight U-bends like on dedicated bending machines e.g. BGD-5eco are possible with this special accessories for the SLB 125.

Technical Data **Ref. 39659**

Depth	750 mm
Width	750 mm
Height	1.145 mm
Weight	180 kg
Operating Pressure	150 bar
Force	180 KN
Power rating	0.75 kW
Voltage	230 V 1~/50 Hz
Cutting max.	125 x 13mm 250 N/mm²
Punching	max. ø 21 mm
Bending	max 125x13mm 250 N/mm²

Special U-bender

Short leg bender

THREE IN ONE BUSBAR FABRICATING SLB 125

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Hydraulic Power Pack HA 3

Leaders when it comes to switchgear manufacturing. Novopress hydraulic power packs are designed to operate at a low 150 bar over a wide range of applications.

This design combines the clear advantages of increased work safety, and long service life for the tool and its attached devices. In addition, these hydraulic power packs are a byword for the high quality associated with all Novopress products.

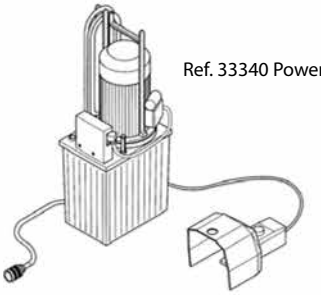
For heavy duty applications and continuous production, the HA 3 Power Pack, is the professional choice.

With a high performance drive and extended oil volume, the HA 3 is the ideal power pack for demanding busbar production, and/ or continuous cable assembly. Available with or without 24 V controls for hand operated crimping tools.

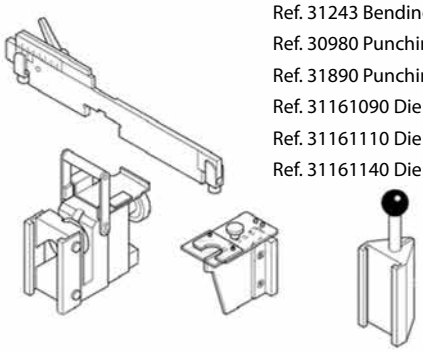
Technical Data

Drive	230 V - 750 W, 4 A
Weight	26 kg
Height	550 mm
Length	270 mm
Width	260 mm
Oil capacity	5.5 l
Operation S 3	S 1=
Safety class	IP 55
Hydraulic hose	2.5 m
Operating pressure	150 bar (2.200 psi)
Oil flow	4.0 l/min.

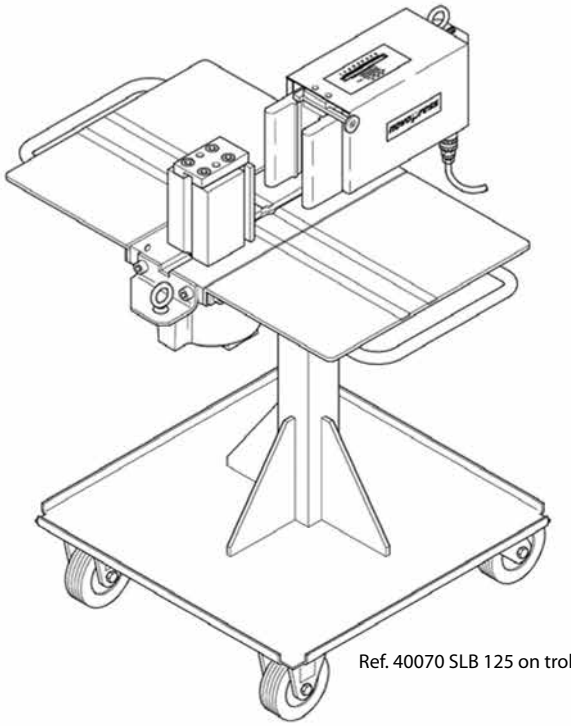
Ref. 39659 SLB 125 Complete System



Ref. 33340 Power Pack HA3



Ref. 31242 Cutting Tool
Ref. 31243 Bending Tool
Ref. 30980 Punching Tool
Ref. 31890 Punching template adjustable
Ref. 31161090 Die set 9.0mm
Ref. 31161110 Die set 11.0mm
Ref. 31161140 Die set 14.0mm



Ref. 40070 SLB 125 on trolley

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HSBL-2 Cutting Tool - Ref.No. 7020

For portable and stationary cutting applications up to 160 x 13 mm (6"x1/2") the HSBL-2 Cutting Tool 160 is the ideal choice for professional busbar production. State of the art operator safety and additional accessories like Stop Device are making the HSBL-2 Cutting Tool 160 an integrated part of our busbar production lines.

HSBL-2 Cutting Tool Advantages:

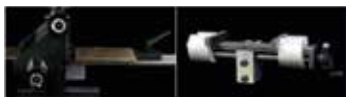
- Excellent cutting quality by symmetric knifes
- Long-lasting cutting knifes
- Short cycle times about 15 sec.
- High safety standards

Technical Specifications - Ref.No. 7020

Height	940 mm (incl. work-cylinder)
Depth	310 mm
Width	4000 mm
Weight	53.9 kg
Operating pressure	150 bar (2200 psi)
Force	150 KN
Cutting perf. max.	160 x 13 mm 250 N/mm²
Cycle time	15 sec.

Recommended power pack is HA 3

Work Cylinder HSBL-2	Ref.No. 2420
Cutting Tool 160	Ref.No. 7020
Vice for 7020	Ref.No. 7030
Stop Device for 7020	Ref.No. 6990



HSBL-2 Punching Tool - Ref.No. 7050

For portable and stationary cutting applications up to 160 x 13 mm (6"x1/2") the HSBL-2 Punching Tool 160 is the ideal choice for our busbar production. State of the art operator safety and additional X-Y positionaing device will vanquish the need for premeasuring and centre marking on your busbar. Excellent punching quality with round, elongated and square dies are making the HSBL-2 Punching Tool 160 the ideal option for small and medium workshops.

HSBL-2 Punching Tool Advantages:

- Excellent punching quality burr free
- Easy positioning in X/Y- axis
- Large assortment of round, elongated and square dies
- Fast and easy tool change

Technical Specifications - Ref.No. 7050

Height	900 mm (incl. work-cylinder)
Depth	310 mm
Width	460 mm
Weight	56.8 kg (incl. work-cylinder)
Operating pressure	150 bar (2200 psi)
Force	150 KN
Cutting perf. max.	160 x 13 mm 250 N/mm²
Cycle time	5.5 sec.*

Recommended power pack is HA 3. * Busbar 120 x 10 mm

Work Cylinder HSBL-2	Ref.No. 2420
Punching Tool 160	Ref.No. 7050
Stop Device for 7050	Ref.No. 7190
Punching Tool 160 incl. Stop Device	Ref.No. 34243

HSBL-2 Bending Tool - Ref.No. 1179

The Hydraulic Bending Tool 120 is ideal for portable use and smaller works up to 120 x 10 mm. A Hydraulic Stop for adjusting the bending angle is available as an accessory.

Work Cylinder HSBL-2	Ref.No. 2420
Bending Tool 120	Ref.No. 1179
Hydraulic Stop for 1179	Ref.No. 7190

Ref. 3966-1 HSBL-2 Starter System

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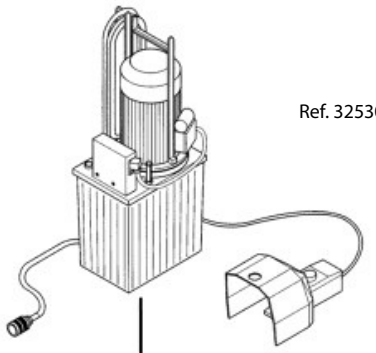
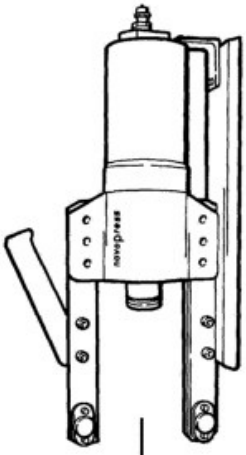
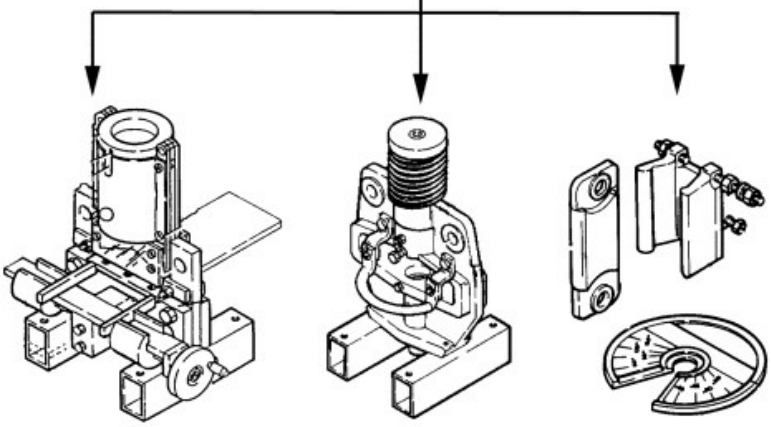


Ref. 32530 Power Pack HA3



Ref. 2420 HSBL-2 Work cylinder



Cutting:

- Ref. No. 7020 Cutting Tool*

Punching:

- Ref. No. 7050 Punching Tool*
- Ref. No. 200090 Die set 9.0mm
- Ref. No. 200110 Die set 11.0mm
- Ref. No. 200140 Die set 14.0mm

Bending:

- Ref. No. 1179 Bending Tool 120

* No Hydraulic Stop

Stone-Stamcor

bringing power to your product

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