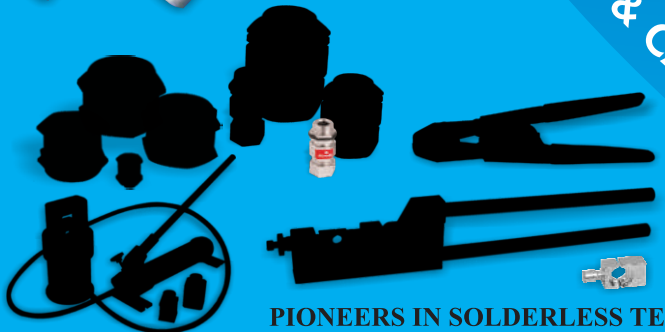
dowell's®

SINCE 1961

HOUSE OF DESIGNERS & MAKERS OF TERMINALS, TOOLS & CABLE GLANDS



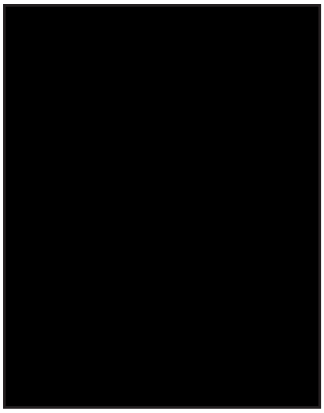




dowell's®

AN ISO 9001 : 2008 CERTIFIED CO.

PIONEERS IN SOLDERLESS TERMINALS, CRIMPING TOOLS & CABLE GLANDS



Dear Customer,

Dowell's Product represents accumulated experience since 1961 in wide range of terminal ends, connectors, crimping systems and cable glands. The company's Prime objective is to serve the world with updated technology in the cable termination field.

Laborious, time-taking, unreliable, soldering practice for termination is being simplified by introduction of dowell's crimping technique in the country.

Every attempt has been made to fulfil the needs of large number of electrical equipment manufacturers, engineers and electrical contractors with various specification to suit indian Industries.

Dowell's wining a proud of being leader in the crimping field, serves the country through strong dealers network, dowell's quality assured products have proven, firm standing in the international market which resulted into export to fourteen countries in Asia, Europe, New Zeland, Australia and Middle East.

Our R & D dept. welcomes your valued suggestions or problems for the constant innovation in crimping Technology.

We are very thankful to you for giving support to meet rising requirements of dowell's quality products.

Yours sincerely,

J.S. PATEL
Managing Director.

Dowell's Quality Excellence has proven it's merit again and again



Export Excellence Award Given by Hon. President of India Shri Neelam Sanjiv Reddy for the Year 1989-90



Dowell's Achievement of Export excellence award Continiously Since 1988



Export Excellence Award Given by Hon'ble State Finance Minister Mr. Ramrao Adik & Chair Person of Rajyasabha Nazma Hebtulla of the year 1990



Export Excellence Award Presented by Hon'ble State Finance Minister Shri Ramrao Adik of Maharashtra for the Year 1991-92

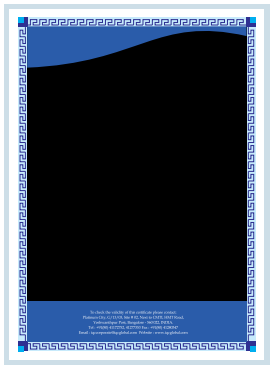


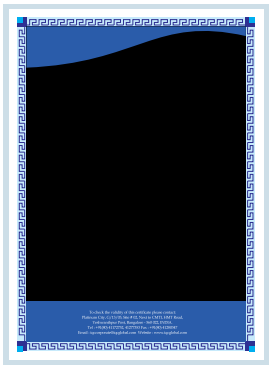
Best Excellence Export Award for the Year 1994-95 Presented by Mr. P.C. Alexander Governor of Maharashtra State

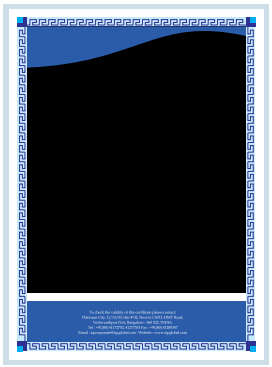


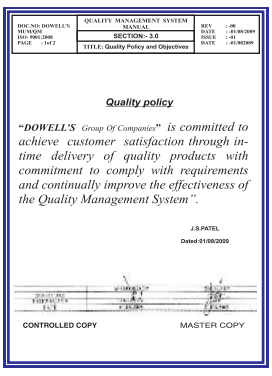
Export Excellence Award for the Year 1994-95 Presented by Hon'ble Governer of Reserve Bank of India Dr. Rangarajan











QUALITY MANAGEMENT SYSTEM MANUAL

SECTION:- 3.0

TITLE: Quality Policy and Objectives

Quality policy

"DOWELL'S Group Of Companies" is committed to achieve customer satisfaction through in-time delivery of quality products with commitment to comply with requirements and continually improve the effectiveness of the Quality Management System".

J.S.PATEL

Dated:01/08/2009

CONTROLLED COPY MASTER COPY



राष्ट्रीय परीक्षण शाला (प.वे.) मुम्बई
National Test House (W. R.) Mumbai

GOVERNMENT OF INDIA
NATIONAL TEST HOUSE

TEST CERTIFICATE

00472



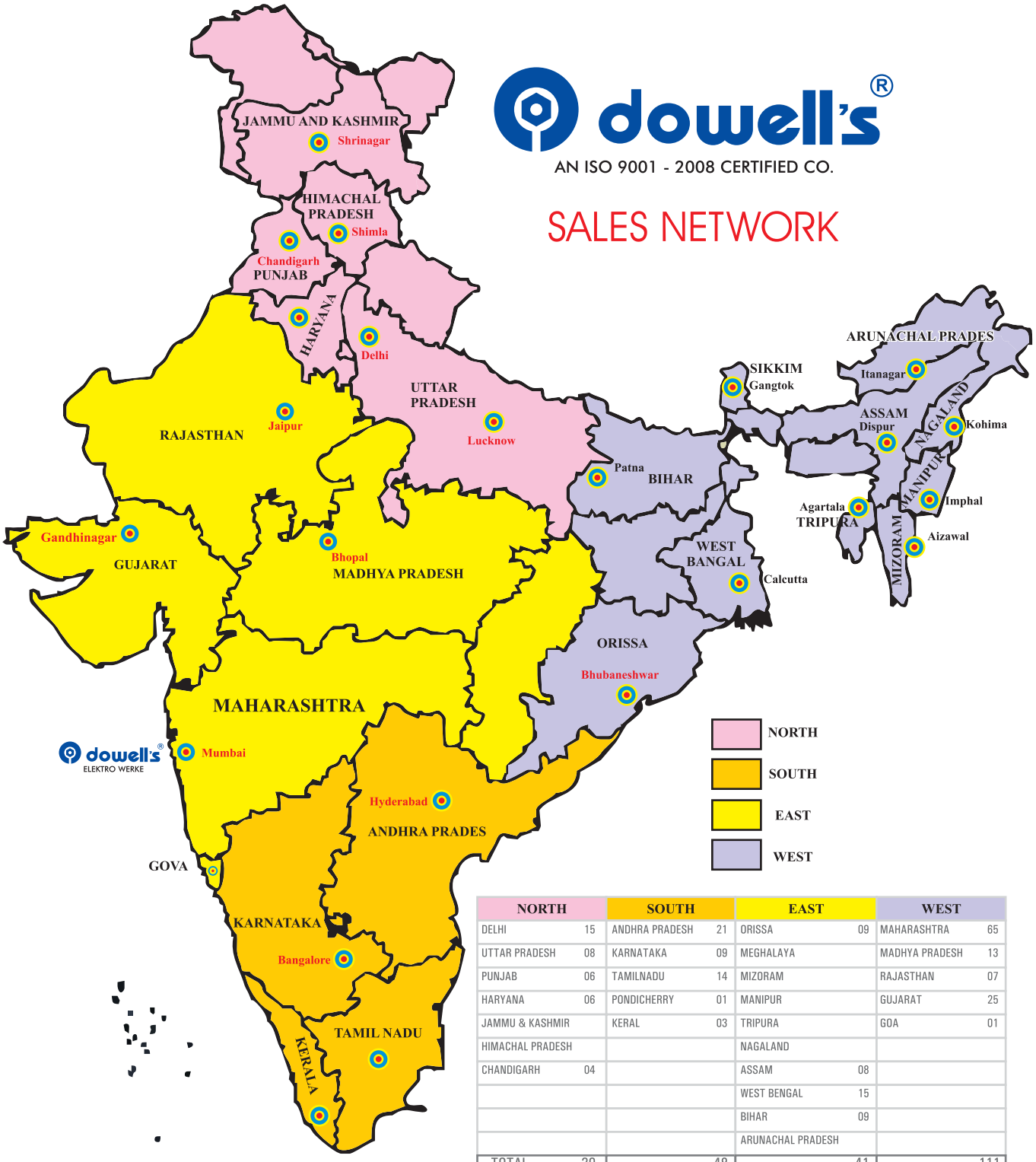
राष्ट्रीय परीक्षण शाला (प.वे.) मुम्बई
National Test House (W. R.) Mumbai

© COPYRIGHT

dowell's®

AN ISO 9001 - 2008 CERTIFIED CO.

SALES NETWORK



NORTH		SOUTH		EAST		WEST	
DELHI	15	ANDHRA PRADESH	21	ORISSA	09	MAHARASHTRA	65
UTTAR PRADESH	08	KARNATAKA	09	MEGHALAYA		MADHYA PRADESH	13
PUNJAB	06	TAMILNADU	14	MIZORAM		RAJASTHAN	07
HARYANA	06	PONDICHERRY	01	MANIPUR		GUJARAT	25
JAMMU & KASHMIR		KERAL	03	TRIPURA		GOA	01
HIMACHAL PRADESH				NAGALAND			
CHANDIGARH	04			ASSAM	08		
				WEST BENGAL	15		
				BIHAR	09		
				ARUNACHAL PRADESH			
TOTAL	39	48		41		111	

TOTAL NO. OF DEALERS - 239

dowell's®

Admn. Office : 47/47A, Satguru Ind. Estate, 1st Floor, Off Aarey Road, Goregaon (E), Mumbai - 400 063.
Phone : (91)-(022) - 2927 0875 / 2927 0876 / 2927 0878 Fax : (91)-(022) 2927 0877
website: www.dowells.co.in email : dowells@sify.com, enquiry@dowells.co.in

Manufacturing Units : Goregaon (Mumbai), Silvasa-Amli & Masat (U.T), Sarigam & Jamnagar (Gujarat)



Export Excellence Award for the Year 1998-99 Presented by Hon'ble Union Minister for Industry Mr. Omar Abdullah

Dowell's range of terminals & connectors Crimping tools & Cable Glands

Dowell's, a market leader in terminals connector an crimping tools, is supported by a nationwide marketing network of over 250 dealers, Its products are widely consumed mainly by power; telecommunication and automobile industries.

A Company's woking efficiency and popularity is determined by the type of associates it has. Dowell's clientele includes leading companies like ABB, power stations, SEBs, BARC, BHEL, Crompton Greaves, Chitaranjan Locomotive Works Ltd., Diesel Locomotive Works, Electronics Corporation of India Ltd., GEC Alsthom (India) Ltd., Indian Railways, ISRO, Indian Telephone Industries Ltd., Larsen & Toubro, Maruti Udyog Ltd., National thermal Power, Corporation and Siemens Ltd.,

The Project is sufficiently geared to produce a vast range of termals and crimping tools to cater to growing demand.

The solderless crimping technology is the field in which Dowell's has set superlative standars and consequently acquired a market leader status. In corporated in 1961, the company, of the Dowell's Group, manufactures copper / aluminium terminals and hydraulic and non - hydraulic crimping tools, electronic connectors and telecommunication connector.

Dowell's Elektro Werke has many achievements to its credit. It manufactured plano type contact switches for the first time in india in 1961. It later diversified into electrical connection and development 5,000 types of terminals and joint accessories. It also exported cable terminals, connectors for copper and aluminium conductors and hand - operated hydraulic crimping tools, as well as non - ferrous metal semis like copper and aluminium flats, strips, rods, tubes etc.

In Malaysia, Australia, the US, etc., and has been the recipient of Regional Bet exporters Shield / Certificate of Export Excellence for years.

The main consumers of the company products are from the power and telecommunications sector. In views of the ongoing liberatlisation, these industries should records a phenomenal growth in the coming years. Consequently, the prospects for the company are very bright.

Besides, the company is also expanding tis base in automobile and telecommunication industries which are also going through a growth process.

A strong presence and a rewarding future in the key to success Keeping this in mind, the company proposes to have hudicious mix of various non - ferrous terminals, connectors and crimping tools so as to achieve optimum profitability.

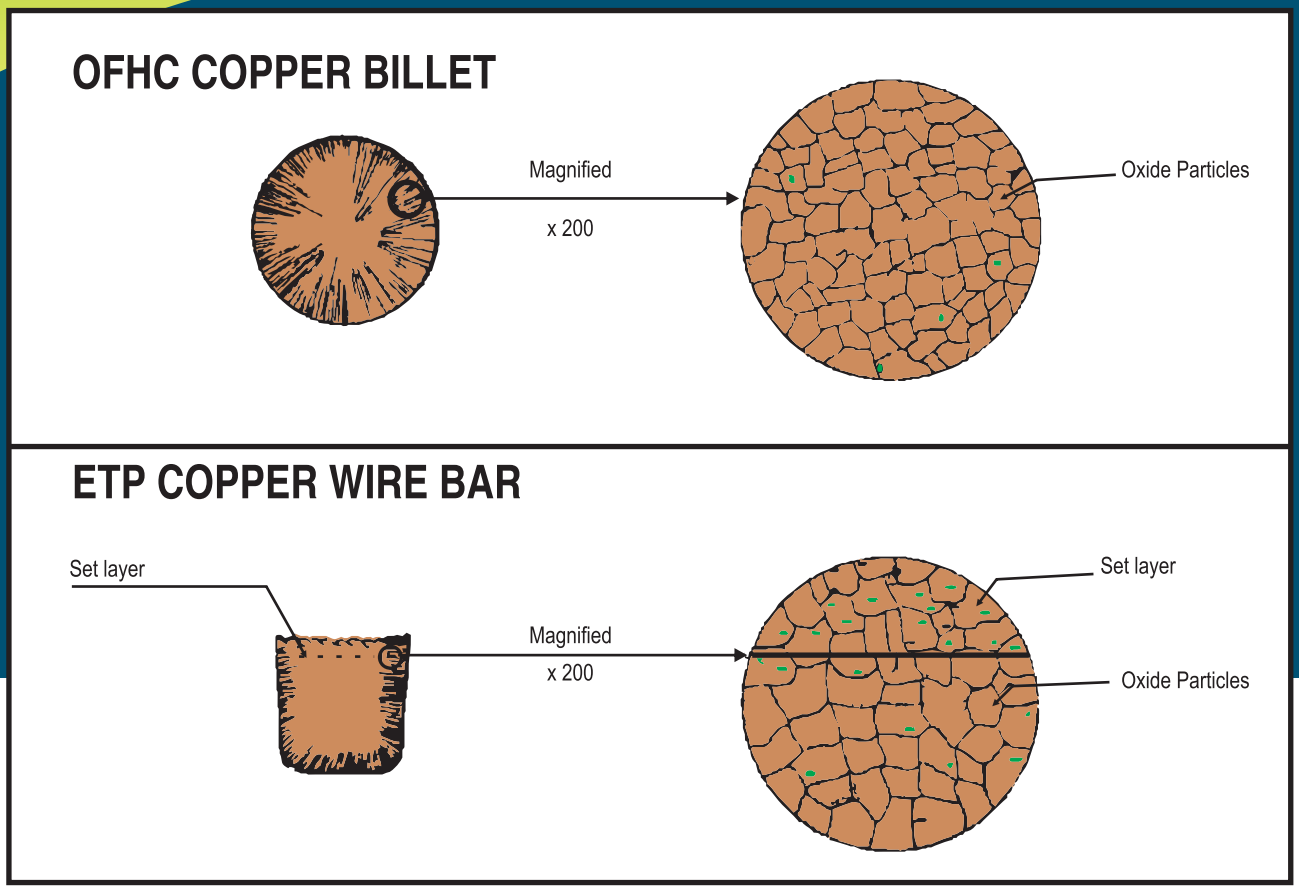
Everything depends on the forces which streer an organisation. The skill, the astuteness and the foresight are some factors which make the difference.

Mr. J. S. Patel, Dowell's Chariman & Managing Director, has around 50 years experience in non-ferrous metal trading and manufacturing. He has also lent hsi experience to several companies and is an active member of several chambers of commerce.

TABLE OF CONTENTS

Product Base 4-5
Terminals & Splices 6-7
Copper Tube Terminals Medium Duty 8
Copper Tube Terminals Heavy Duty & Long Barrel 9
Copper Tube In Line Connectors 10
Copper Reducer Terminals 10
Copper Tube Terminals Heavy Duty - XLPE Cable 11
Copper Tube In Line Connectors - XLPE Cable 12
Copper Tube In Line Connectors - Long Barrel 12
Copper Tube Terminals Long Barrel For Aluminium Conductors 13
Copper Tube Terminals DIN 46235 14-15
Copper Tube Terminals - High Voltage 16
Copper Connectors (Export Series) 16
Aluminium Tube Terminals 17
Aluminium In Line Connectors 18
Copper Tube Terminals Soldering Type 18
Aluminium Tube Terminals - Long Barrel 19
Aluminium Tube Terminals - Two Holes 20
Aluminium Ferrules For Aluminium XLPE Conductors 20
Aluminium Terminals Ends For Aluminium XLPE Conductors 21
Aluminium Reducer Terminals 22
Aluminium Tube Terminals DIN 46329 23
Aluminium In Line Connectors DIN 57295 23
Bimetallic Terminals (Copper Coated) 24-25
Copper In Line Connectors DIN 46267 Part I 26
Copper Connectors & End Sealing Ferrules 27
Copper Fork & Pin Terminals (Insulated & Non-Insulated) 28
Dowell's Corrosion Inhibiting Compound GTZ - 8785 29
Copper Ring Terminals (Insulated & Non-Insulated) 30-31
Copper Tube Terminals & Connectors For D.L.W. 32
Copper Tube Terminals & Connectors For C.L.W. 33
Copper Tube Terminals Extended Palm Blanks 34
Copper Tube Terminals For I.C.F. 34-35
Snap On Terminals 36-37
Crimping System 38-40
Cable Glands 41

Product Base



PRODUCT BASE :

Dowell's product quality starts from the raw material Widely, dowell's product range falls into two kind of raw materials-Aluminium and copper designed to suit respective conductors.

O.F.H.C. COPPER

In practice electrical wires and cable terminals are made out of electrolytic tough pitch copper (ETP grade copper). This grade of copper contains 150 ppm to 400 ppm oxygen through out the metal. In addition to that wire bars of ETP grade also have 8 to 10 mm thick set layer containing copper oxide particles.

Oxygen free high conductivity copper contains less than 30 ppm oxygen in the metal and is completely free from copper oxide particles. Lower oxygen content in oxygen free high conductivity copper has many advantages over ETP grade of copper as shown in the following table.

Use of OFHC copper in wire and cable industry is unknown in India due to its non-availablity and high cost. But now the advantages of OFHC copper have been realised and **dowell's have taken the lead to manufacturer OFHC copper products.**

ELECTROLYTIC ALUMINIUM

Vast use of Aluminium conductors has inducted the ALS series of Solderless Aluminium Terminals and connector which are made out of pure electrolytic grade Aluminium conforming to IS 5082 grade TIE.

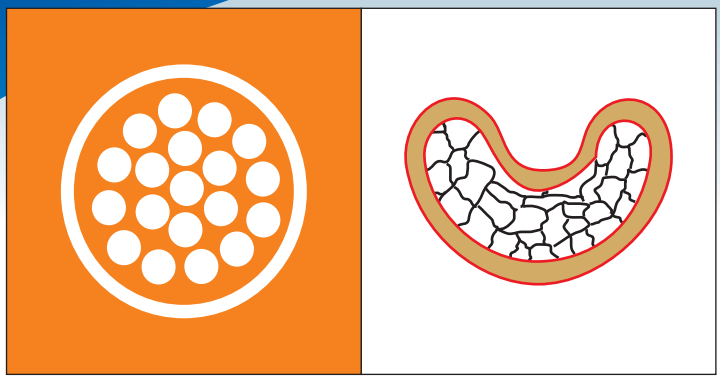
The product is generally supplied in 'O' condition.

The basic raw material used for terminals/ connectors contain minium 99.5% Aluminium and electrical conductivity of minimum 60% IACS.

The comparision between ETP grade and OFHC grade will give firm standing to dowell's OFHC copper product at each installation

1. Contains less than .003% oxygen (30 ppm).	1. Contains .015% to .04% oxygen (150 ppm to 400 ppm).
2. Free from any set oxide layer.	2. Wire bars possess set oxide layer of 8-10mm thick on the surface through out its length.
3. Semi, and finished products such as tube, bars, strips & wires would be free from embedded oxide particles.	3. May contain embedded copper oxide particles.
4. Guarantees minimum 100% IACS conductivity, even on semis or finished products.	4. Possesses 100% conductivity but on processing semis and finished products, shows variation in conductivity to lower values.
5. Passes close bend test (hydrogen) embrittlement test.	5. Cannot pass close bend test.
6. Better thermal cycle behaviour.	6. Poor thermal cycle behaviour.
7. Consistency in brazed and welded joints can be achieved.	7. May lead to inconsistent brazed and welded joints.
8. Reliable and more durable in service against movements / jerks of electrical wires, e.g. telephone / automobile wires.	8. Conventionally used wire of this grade crack under similar conditions.
9. Most suitable for use in high vaccum devices.	9. Not at all suitable.
10. Crimping lugs never show even hair cracks after crimping with electrical cables.	10. May show cracks after crimping.
11. Gives reliability and longer service in electrical wiring, chokes, motors, dynamos, transformers, etc.	11. May give sudden failures.

TERMINALS AND SPLICES



CRIMP METHOD:

Dowell's compression crimping method of terminating electrical wire is an perfect science. The technique is mechanical and uniform from first to last crimp. Which makes this process controllable. The variables common to other methods such as melting temp., flux composition, entrapped gases, heat deformation of conductors, oxidisation and the like are eliminated.
The termination from this method satisfies mechanical and electrical properties, required for 'quality' Termination.

INTRODUCTION :

Extensively designed for large power cables and leads, dowell's terminals and splices are perfectly designed for power generation and distribution. This makes electrical equipment subject to continuous operation, such as generators, motors and pannel boards, a perfect application for dowell's products. designed to support a wide range of standard copper and Aluminium wire sizes (upto 1000 mm^2) with flexibility and reliability at a best quality price.
The dowell's product range is being catered in avariety of Terminals and splices to suit customers design requirements. dowell's invites the problems to solve it in the best technical and appropriate manner.

STD. PACKAGING.

RETAIL PACKING STANDARD

AMPS	BSS Relf.	Nos.	mm^2	Nos.	mm^2	Nos.
15 - 200	4E -	200	1.5 -	200	120 -	30
30 - 200	6E -	100	2.5 -	200	150 -	20
60 - 100	7E -	50	4.0 -	200	185 -	20
100 - 50	10E -	30	6 -	200	225 -	10
150 - 30	11E -	20	10 -	200	240 -	10
200 - 20	13E -	20	16 -	200	300 -	10
300 - 20	14E -	10	25 -	200	400 -	05
400 - 10	15E -	10	35 -	100	500 -	05
500/600 - 10	17E -	5	50 -	100	625 -	05
800 - 5	18E -	5	70 -	50	800 -	05
1000 - 5	20E -	5	95 -	50	1000 -	04

To expedite supplies indent your requirements as per above retail packing.
Requirements lesser than retail packing are subject to 10% surcharge.

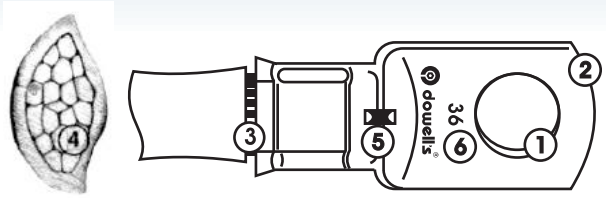
QUALITY FINISH:

Dowell's terminals and splices are made of oxygen free high conductivity seamless tubes to ensure maximum conductivity. Special tin plating process protects from corrosion and assures trouble free service. Dowell's distinguished manufacturing process converts the copper into double thick tongue with short transfer section. This formulates best quality product with firm grip on Electrical and Mechanical properties.

STD. SIZE :

COMPARISON BETWEEN GERMAN, U.S.A. BRIT. ASSOC., STANDARD BOLT SIZE

German Din	U.S.A.			British Assorted
M 2	# 1	=	9BA =	1.9 mm
	# 2	=	8BA =	2.2 mm
M 2.6	# 3	=	7BA =	2.5 mm
M 3	# 4	=	6BA =	2.8 mm
	# 5	=	5BA =	3.2 mm
M 3.5	# 6	=	4BA =	3.5 mm
M 4	# 8	=	3BA =	4.2 mm
M 5	# 10	=	2BA =	4.8 mm
	# 12	=	1BA =	5 mm
M6	# 14	=	0BA =	6 mm
	# 1/4"	=	1/4" =	
M8	#5/16"	=	5/16" =	
M 10	# 3/8"	=	3/8" =	
M 12	#7/16"	=	7/16" =	
	# ½"	=	½" =	
M 16	# 5/8"	=	5/8" =	
M 20	# 3/4"	=	3/4" =	
M26	# 1"	=	1" =	





FEATURES :

1. SPECTRUM :
Stranded cables crimped with the **dowell's** tools, becomes a homogeneous mass with the **dowell's** terminals and connectors, Versality in the stud hole available with **dowell's** helps solve any termination problem.
We specialise to supply 1,2 & 4 holes or without stud holes for specific requirements. Covering wide range from 1.5 to 1000mm2 wire sizes **dowell's** terminals/ connectors provide reliability and low cost installation for power equipment wiring large cable size.

2. STRENGTH :
Dowell's terminals have formidable strength and resistance to vibration suitable for their intended use. This strength comes from the double thick tongue and short transfer section of the barrel, and is achieved without sacrificing any current carrying capacity. In addition great tensile strength is imparted to the dowell's terminals and connectors by means of dowell's perfectly designed dies and tools.

3. ECONOMY :
An important feature of **dowell's** product is low installed cost. Which is a result of perfect crimping system - a team of crimping tool and terminal.
The crimping system ensures correct crimp-each time without fail so-each installation with **dowell's** product saves your cost.

4. CONDUCTIVITY CORROSION RESISTANCE AND TEMPERATURE RISE. :
The nucleus of the **dowell's** termination method is the perfectly controlled crimping that forms terminal and connector barrel into homogeneous unit with conductor. Proper cold crimping brings the terminal into intimate contact with the conductor producing excellent resistance to corrosion.

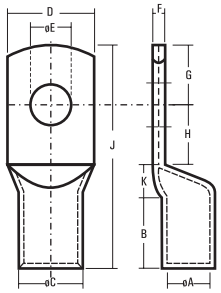
5. INSPECTION PLUS : Standard heavy duty **dowell's** terminals are supplied with inspection slot in barrel, which facilitates operator to confirm whether conductors have been fully and properly inserted into the barrel. This check can be done before as well as after crimping. Bell mouth construction of barrel allows easy insertion of conductor into the barrel.

6. IDENTIFICATION MARKING : Standard heavy duty **dowell's** terminals are marked with respective conductor size of solid stranded wire and one size lower of flexible wire e.g. **CUS-248-630 S-500 F.**
Normal compression type terminals copper and alluminium are marked with respective size of wire e.g. **CUS-29-240 mm^2 ALS 236-240 mm^2.**
Soldering terminals have current carrying capacity marking e.g. **DEW 208-400 DEW.**

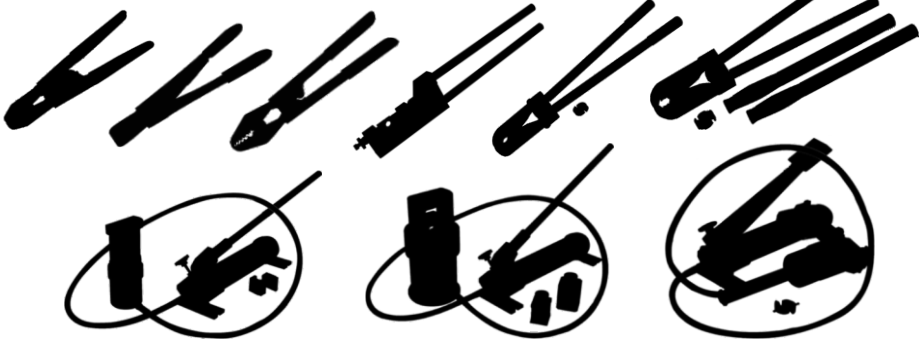
dowell's®

COPPER TUBE TERMINALS (MEDIUM DUTY)





SYT -17 SYA - 427 SYT - 2 SYB - 95 SYT-185 SYT-400



SYD - 20 SYE - 150 SYT 102

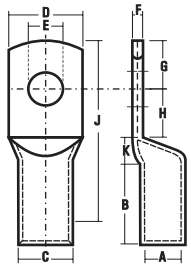
MM²	E Bolt MMø	øA	øC	D	F	B	K	H	G	J	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES						
												SYB 95	SYT 185	SYT 400	SYD 20A	SYE 150A	SYT 102 R	STD PKG
2.5	M5	2.0	3.7	9	1.0	7	3	5	5	20	CUS-05							200
4.0	M6	3.1	4.8	11	1.0	7	3	6	6	22	CUS-06	SYA-427	SYT-17	SYT-2				200
6.0	M6	3.8	5.5	11	1.0	9	3	6	6	24	CUS-07							200
10	M6	4.4	6.2	11	1.3	9	3	6	6	24	CUS-08	JBR-1	R-1					200
16	M6	5.3	7.1	11	1.6	12	4	8	6	30	CUS-09	JBR-2	R-2					200
25	M6	7.0	9.0	13	2.0	12	5	12	8	37	CUS-10	JBR-3	R-3	RH-25				100
35	M6	8.0	10.0	15	2.0	12	5	12	8	37	CUS-11	JBR-4	R-4	RH-35				100
	M8	8.0	10.0	15	2.0	12	5	12	8	37	CUS-12							
50	M6	9.2	11.2	16	2.0	16	8	11	10	45	CUS-13	JBR-6	R-6	RH-50				100
	M8	9.2	11.2	16	2.0	16	8	11	10	45	CUS-14							
	M10	9.2	11.2	16	2.0	16	8	11	10	45	CUS-15							
70	M8	11.6	13.8	20	2.2	18	10	15	13	56	CUS-16	JBR-7	R-7	RH-50			HY-267	50
	M10	11.6	13.8	20	2.2	18	10	15	13	56	CUS-17							
	M12	11.6	13.8	20	2.2	18	10	15	13	56	CUS-18							
95	M10	12.8	15.6	23	2.8	20	10	15	13	58	CUS-19	JBR-9	R-9	RH-95			HY-268	50
	M12	12.8	15.6	23	2.8	20	10	15	13	58	CUS-20							
120	M10	14.8	17.8	26	3.0	22	10	16	14	62	CUS-21	JBR-10	R-10	RH-120			HY-269	30
	M12	14.8	17.8	26	3.0	22	10	16	14	62	CUS-22							
	M16	14.8	17.8	26	3.0	22	10	16	14	62	CUS-23							
150	M10	16.0	19.6	28	3.6	26	11	18	15	70	CUS-24		R-11	RH-150	JDR-11	JER-11	HY-270	20
	M12	16.0	19.6	28	3.6	26	11	18	15	70	CUS-25							
	M16	16.0	19.6	28	3.6	26	11	18	15	70	CUS-26							
185	M12	18.0	22.0	32	4.0	30	11	21	21	83	CUS-27		R-12	RH-185	JDR-12	JER-12	HY-271	20
	M16	18.0	22.0	32	4.0	30	11	21	21	83	CUS-28							
225	M16	20.0	24.0	35	4.0	34	13	24	24	95	CUS-231			RH-185	JDR-13	JER-13	HY-272	10
240	M16	22.0	26.0	38	4.0	36	13	24	24	97	CUS-29			RH-240	JDR-14	JER-14	HY-272	10
	M20	22.0	26.0	38	4.0	36	13	24	24	97	CUS-30							
300	M16	24.0	28.7	42	4.7	39	13	26	25	103	CUS-31			RH-300	JDR-15	JER-15	HY-273	10
	M20	24.0	28.7	42	4.7	39	13	26	25	103	CUS-32							
400	M20	28.0	33.2	49	5.2	44	18	27	27	116	CUS-33			RH-400		JER-17	HY-274	5
500	M20	30.0	36.0	53	6.0	48	18	27	27	120	CUS-34					JER-18	JEM-279	5
630	M20	35.0	41.5	61	6.5	55	18	33	31	137	CUS-35					JER-19	JEM-280	5
800		39.0	46.3	67	7.3	65	25	38	37	165	CUS-062					JER-23		5
1000		43.0	53.8	76	10.8	90	30	45	45	210	CUS-076					JER-22		4

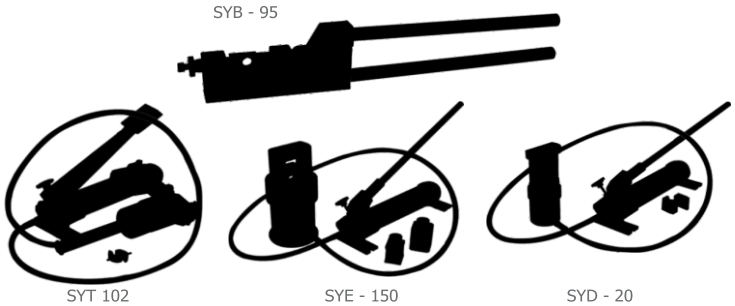
MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBE TERMINALS HEAVY DUTY LONG BARREL







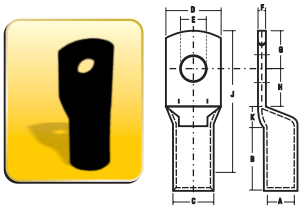
MM²	E Bolt MMø	øA	øC	D	F	B	K	H	G	J	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES				
												SYB-95	SYD-20A	SYE-150A	SYT 102-R	STD PKG
25	M8	7.0	9.0	13	2.0	16	5	12	8	41	CUS-282	JBR - 3				100
35	M8	8.0	10.6	15	2.6	20	5	14	9	48	CUS-283	JBR - 4				100
50	M8	9.2	12.2	17	3.0	26	7	16	10	59	CUS-284	JBR - 6			HY – 267	100
70	M10	11.5	15.0	20	3.5	28	7	19	12	66	CUS-285	JBR - 9			HY – 268	50
95	M12	12.8	17.0	24	4.2	32	10	20	12	74	CUS-286	JBR - 10			HY – 269	50
120	M12	14.8	19.6	28	4.8	35	10	23	14	82	CUS-287		JDR – 11	JER – 11	HY – 270	30
150	M12	16.0	21.2	30	5.2	38	10	24	14	86	CUS-288		JDR – 12	JER – 12	HY – 271	20
185	M12	18.0	24.0	34	6.0	43	12	23	17	95	CUS-289		JDR – 13	JER – 13	HY – 272	20
240	M16	22.0	28.0	40	6.0	50	12	30	20	112	CUS-290		JDR - 15	JER – 15	HY - 273	10
300	M16	24.0	31.0	44	7.0	54	14	32	20	120	CUS-291				HY - 274	
400	M20	28.0	36.0	52	8.4	67	16	32	24	139	CUS-292				HY - 275	
500	M21	30.0	41.0	58	11.0	80	20	34	22	156	CUS-293				JEM - 279	
630	M21	35.0	46.0	66	11.0	93	22	38	28	181	CUS-294				JEM - 280	

MATERIAL-OFHC COPPER BS - 1977 FINISH - ELECTRO TINNED

COPPER TUBE TERMINALS HEAVY DUTY - OPEN AT K







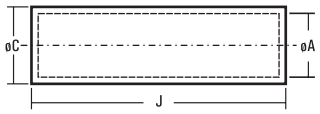
MM²	E Bolt MMø	øA	øC	D	F	B	K	H	G	J	Dowell's CAT. No.	SYB 95	SYD 20B	SYE 150B	SYT 102-R	STD PKG
2.5	M4	2.4	4.0	8	1.0	7	2	5	4	18	CUS-388					200
4.0	M5	3.1	4.8	10	1.0	7	2	6	5	20	CUS-389	SYA-427	SYT-17	SYT-2		200
6.0	M5	3.8	5.5	10	1.2	9	3	6	5	23	CUS-390					200
10	M6	4.5	6.2	12	1.2	9	3	7	6	25	CUS-353	JBR-1				200
16	M6	5.4	7.1	12	1.4	12	4	7	7	30	CUS-354	JBR-2				200
25	M6	6.8	8.8	13	2.0	12	4	7	7	30	CUS-355	JBR-3				100
35	M8	8.2	10.6	15	2.4	12	5	9	9	35	CUS-356	JBR-4				100
50	M8	9.5	12.4	18	2.9	16	6	11	10	43	CUS-357	JBR-6	JDA-50	JEA-50	HY-267	100
70	M10	11.2	14.7	21	3.5	18	7	13	12	50	CUS-358	JBR-7	JDA-70	JEA-70	HY-268	50
95	M10	13.5	17.4	25	3.9	20	9	13	13	55	CUS-359	JBR-10	JDA-95	JEA-95	HY-269	50
120	M12	15.0	19.4	28	4.4	22	10	14	14	60	CUS-241		JDA-120	JEA-120	HY-270	30
150	M12	16.5	21.2	30	4.7	26	11	16	16	69	CUS-242		JDA-150	JEA-150	HY-271	20
185	M16	18.5	23.5	34	5.0	32	12	17	17	78	CUS-243		JDA-185	JEA-185	HY-272	20
240	M16	21.0	26.5	38	5.5	38	14	20	20	92	CUS-244		JDA-240	JEA-240	HY-273	10
300	M16	23.5	30.0	43	6.5	42	15	22	22	101	CUS-245		JDA-300	JEA-300	HY-274	10
400	M16	26.8	34.8	50	8.0	44	18	26	26	114	CUS-246		JDA-400	JEA-400	HY-275	5
500	M20	30.0	39.0	56	9.0	48	20	28	28	124	CUS-247			JEA-500	JEM-279	5
630	M20	35.0	45.0	65	10.0	56	22	33	33	144	CUS-248			JEA-630	JEM-280	5

DIMENSION E, A CONFORM TO DIN 46235

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

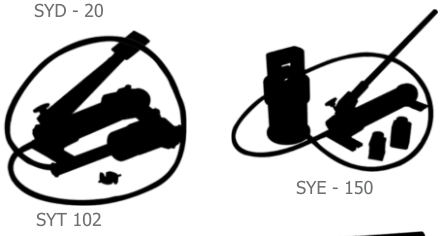
WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBE IN- LINE CONNECTORS





SYD - 20



SYT 102

SYE - 150



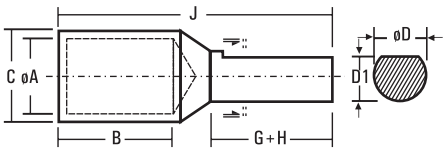
SYB - 95



SYT -17 SYA - 427 SYT - 2

mm²	øA	øC	J	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES				STD PKG
					SYB-95	SYD-20A	SYE-150A	SYT-102 R	
1.5	1.6	3.2	15	EH-453					200
2.5	2.4	4.0	15	EH-454					200
4.0	3.1	4.8	15	CB-3	SYA-427	SYT-17	SYT-2		200
4.6	3.5	5.5	15	EH-455					200
6.0	3.8	5.5	15	CB-4					200
10	4.5	6.2	20	EH-460	JBR-1				200
16	5.4	7.1	20	CB-6	JBR-2				200
25	6.8	8.8	32	CB-24	JBR-3				100
35	8.2	10.6	36	CB-25	JBR-4				100
50	9.5	12.4	40	CB-26	JBR-5			HY-267	100
70	11.2	14.7	40	CB-51	JBR-6			HY-268	50
95	13.5	17.4	45	CB-52	JBR-9	JDR-9	JER-7	HY-269	50
120	15.0	19.4	45	CB-53		JDR-10	JER-8	HY-270	30
150	16.5	21.2	55	CB-54		JDR-11	JER-9	HY-271	20
185	18.5	23.5	65	CB-55		JDR-12	JER-10	HY-272	20
240	21.0	26.5	80	CB-56		JDR-14	JER-11	HY-273	10
300	23.5	30.0	85	CB-57		JDR-15	JER-12	HY-274	10
400	26.8	34.8	90	CB-58			JER-13	HY-275	5
500	30.0	39.0	100	CB-59			JER-14	JEM-279	5
630	35.0	45.0	110	CB-61			JER-15	JEM-280	5

COPPER REDUCER TERMINALS





MM²	øA	øC	øD	D-1	B	K	G-H	J	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES					STD PKG
										SYB-95	SYD-20A	SYT-150A	SYE-150 B	SYT-102 R	
2.5	2.5	4.7	3.8	3.3	6	4	10	20	WPC-7	LINE CONNECTERS					200
4.0	2.8	4.7	3.8	3.3	6	4	10	20	WPC-16	SYA-427	SYT-17	SYT-2			200
6.0	3.1	4.7	3.8	3.3	6	4	10	20	WPC-18						200
10	3.8	5.5	3.8	3.3	9	4	10	23	WPC-20						200
10	4.4	6.2	3.8	3.3	9	4	10	23	WPC-22	JBR-1					200
16	5.3	7.1	3.8	3.3	13	4	13	30	WPC-2	JBR-2					200
25	7.0	9.0	6.0	5.5	12	5	15	32	WPC-25	JBR-3					100
35	8.0	10.0	7.5	6.5	12	5	20	37	WPC-4	JBR-4					100
50	9.2	11.2	7.5	6.5	16	5	20	41	WPC-26	JBR-6					100
70	11.3	13.8	7.5	6.5	18	5	20	43	WPC-27	JBR-7				HY-267	50
95	12.8	15.6	11.5	10.5	20	6	25	51	WPC-29	JBR-9				HY-268	50
120	14.8	17.8	11.5	10.5	22	6	32	60	WPC-35	JBR-10			JEA-120	HY-269	30
150	16.0	19.6	11.5	10.5	26	6	32	64	WPC-37		JDR-11	JER-11	JEA-150	HY-270	20
185	18.0	22.0	11.5	10.5	32	6	32	70	WPC-38		JDR-12	JER-12	JEA-185	HY-271	20
225	20.0	26.0	15.6	14.0	38	8	32	78	WPC-39		JDR-14	JER-14	JEA-240	HY-272	10
240	21.2	26.0	15.6	14.0	38	8	32	78	WPC-43		JDR-14	JER-14	JEA-240	HY-272	10
300	24.0	28.7	16.0	15.0	42	8	42	92	WPC-45		JDR-15	JER-15	JEA-300	HY-273	10
400	27.0	33.2	15.6	14.0	46	12	32	90	WPC-101			JER-17	JEA-400	HY-274	5

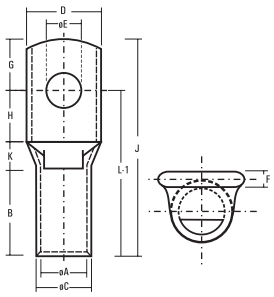
MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBE TERMINALS HEAVY DUTY - OPEN AT K

TUBULAR TERMINAL ENDS FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS. **COMPACT ALUMINIUM XLPE CABLES**





MM²	øE	øA	øC	D	F	B	K	H	G	L-1	J	Dowell's CAT. No.	Retail Packing Nos.
1.5	5.2	1.8	3.7	8	1.0	5	2	5	4	12	16	CUS-538	100
1.5	6.5	1.8	3.7	10	0.8	5	2	6	5	13	18	CUS-539	100
2.5	4.2	2.4	4.0	8	1.0	7	2	5	4	14	18	CUS-388	100
2.5	5.2	2.4	4.0	10	0.8	7	2	6	5	15	20	CUS-540	100
2.5	6.5	2.4	4.0	10	0.8	7	2	6	5	15	20	CUS-541	100
4.0	5.2	3.1	4.8	10	1.0	7	2	6	5	15	20	CUS-389	100
4.0	6.5	3.1	4.8	10	1.0	7	2	6	5	15	20	CUS-543	100
6.0	5.2	3.8	5.5	10	1.2	9	3	6	5	18	23	CUS-390	100
6.0	6.5	3.8	5.5	12	1.0	9	3	9	6	21	27	CUS-544	100
6.0	8.4	3.8	5.5	12	1.0	9	3	9	6	21	27	CUS-545	100
10.0	6.5	4.5	6.2	12	1.2	9	3	7	6	19	25	CUS-353	100
10.0	8.4	4.5	6.2	12	1.2	9	3	9	6	21	27	CUS-547	100
16.0	6.5	5.4	7.1	12	1.4	12	4	7	7	23	30	CUS-354	100
16.0	8.4	5.4	7.1	12	1.4	12	4	9	7	25	32	CUS-549	100
20.0	8.4	6.0	7.7	12	1.7	12	4	9	7	25	32	CUS-550	100
25.0	6.5	6.8	8.8	13	2.0	12	4	7	7	23	30	CUS-355	100
25.0	8.4	6.8	8.8	18	1.4	12	4	11	10	27	37	CUS-551	100
25.0	10.5	6.8	8.8	18	1.4	12	4	11	10	27	37	CUS-552	100
35.0	6.5	8.2	10.6	15	2.4	12	5	9	9	26	35	CUS-542	100
35.0	8.4	8.2	10.6	15	2.4	12	5	9	9	26	35	CUS-356	100
35.0	10.5	8.2	10.6	18	2.0	12	5	11	10	28	38	CUS-554	100
50.0	8.4	9.5	12.4	18	2.9	16	6	11	10	33	43	CUS-357	100
50.0	10.5	9.5	12.4	18	2.9	16	6	11	10	33	43	CUS-556	100
70.0	8.4	11.2	14.7	21	3.5	18	7	13	12	38	50	CUS-557	50
70.0	10.5	11.2	14.7	21	3.5	18	7	13	12	38	50	CUS-358	50
70.0	13.0	11.2	14.7	21	3.5	18	7	13	12	38	50	CUS-559	50
95.0	10.5	13.5	17.4	25	3.9	20	9	13	13	42	55	CUS-359	50
95.0	13.0	13.5	17.4	25	3.9	20	9	13	13	42	55	CUS-561	50
120.0	13.0	15.0	19.4	28	4.4	22	10	14	14	46	60	CUS-241	30
120.0	17.0	15.0	19.4	28	4.4	22	10	16	16	48	64	CUS-546	30
150.0	13.0	16.5	21.2	30	4.7	26	11	16	16	53	69	CUS-242	20
150.0	17.0	16.5	21.2	30	4.7	26	11	16	16	53	69	CUS-564	20
185.0	17.0	18.5	23.5	34	5.0	32	12	17	17	61	78	CUS-243	20
240.0	17.0	21.0	26.5	38	5.5	38	14	20	20	72	92	CUS-244	10
240.0	21.0	21.0	26.5	38	5.5	38	14	20	20	72	92	CUS-567	10
300.0	17.0	23.5	30.0	43	6.5	42	15	22	22	79	101	CUS-245	10
300.0	21.0	23.5	30.0	43	6.5	42	15	22	22	79	101	CUS-569	10
400.0	17.0	26.8	34.8	50	8.0	44	18	26	26	88	114	CUS-246	5
400.0	21.0	26.8	34.8	50	8.0	44	18	26	26	88	114	CUS-571	5
500.0	21.0	30.0	39.0	56	9.0	48	20	28	28	96	124	CUS-247	5
550.0	21.0	31.7	41.4	60	9.7	52	20	30	30	102	132	CUS-573	5
630.0	21.0	35.0	45.0	65	10.0	56	22	33	33	111	144	CUS-248	5
800.0	----	39.0	50.6	73	11.6	78	17	40	35	135	170	CUS-599	5
1000.0	----	43.0	56.2	81	13.2	90	20	45	45	155	200	CUS-590	4

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

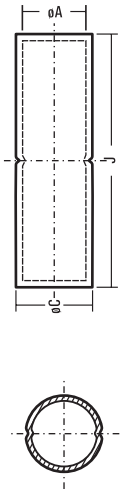
WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBE IN - LINE CONNECTORS

CONNECTORS FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS. **COMPACT ALUMINIUM XLPE CABLE**

MM²	øA	øC	J	Dowell's CAT. No.	Retail Packing Nos.
1.5	1.8	3.7	12	CB-41	100
2.5	2.4	4.0	15	EH-454	100
4.0	3.1	4.8	15	CB-3	100
6.0	3.8	5.5	15	CB-4	100
10	4.5	6.2	20	EH-460	100
10	5.4	7.1	20	CB-6	100
20	6.0	7.7	22	CB-47	100
25	6.8	8.8	32	CB-24	100
35	8.2	10.6	36	CB-25	100
50	9.5	12.4	40	CB-26	100
70	11.2	14.7	40	CB-51	50
95	13.5	17.4	45	CB-52	50
120	15.0	19.4	45	CB-53	30
150	16.5	21.2	55	CB-54	20
185	18.5	23.5	65	CB-55	20
240	21.0	26.5	80	CB-56	10
300	23.5	30.0	85	CB-57	10
400	26.8	34.8	90	CB-58	5
500	30.0	39.0	100	CB-59	5
550	31.7	41.4	100	CB-60	5
630	35.0	45.0	110	CB-61	5
800	39.0	50.6	150	CB-42	5
1000	43.0	56.2	170	CB-43	4

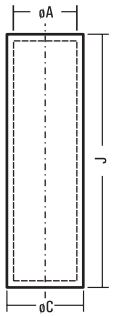




COPPER TUBE IN - LINE CONNECTORS - LONG BARREL

MM²	øA	øC	J	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES					STD PKG
					SYB-95	SYD-20A	SYD-20 B	SYE-150A	SYT-102 R	
1.5	1.6	3.2	23	CBL-453						200
2.5	2.0	3.7	23	CBL-23						200
4.0	3.1	4.8	23	CBL-3						200
6.0	3.8	5.5	23	CBL-4	SYA-427		SYT-17	SYT-2		200
10	4.4	6.2	30	CBL-460	JBR-1					200
16	5.3	7.1	30	CBL-6	JBR-2					200
25	7.0	9.0	38	CBL-7	JBR-3					100
35	8.0	10.0	45	CBL-8	JBR-4					100
50	9.2	11.2	53	CBL-9	JBR-6		JDA- 50			100
70	11.6	13.8	60	CBL-10	JBR-7		JDA- 70		HY-267	50
95	12.8	15.6	68	CBL-11	JBR-9		JDA- 95		HY-268	50
120	14.8	17.8	75	CBL-12	JBR-10		JDA- 120		HY-269	30
150	16.0	19.6	83	CBL-13		JDR-11	JDA- 150	JER-11	HY-270	20
185	18.0	22.0	90	CBL-14		JDR-12	JDA- 185	JER-12	HY-271	20
225	20.0	24.0	98	CBL-20		JDR-13	JDA- 240	JER-13	HY-272	10
240	22.0	26.0	98	CBL-15		JDR-14	JDA- 240	JER-14	HY-272	10
300	24.0	28.7	113	CBL-16		JDR-15	JDA- 300	JER-15	HY-273	10
400	28.0	33.2	135	CBL-17			JDA- 400	JER-17	HY-274	5
500	30.0	36.0	143	CBL-18				JER-18		5
630	35.0	41.5	158	CBL-19				JER-19		5
800	39.0	46.3	180	CBL-21				JER-23		5
1000	43.0	53.8	225	CBL-22				JER-22		4





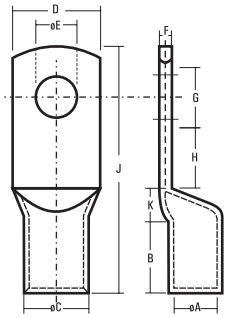
MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

dowell's®

COPPER TUBE TERMINALS LONG BARREL FOR ALUMINIUM CONDUCTORS





SYT -17 SYA - 427 SYT - 2 SYB - 95



SYD - 20 SYE - 150 SYT 102 R

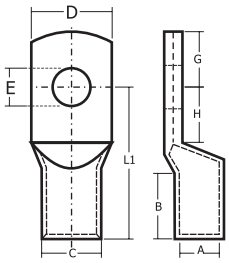
MM²	E Bolt MM	øA	øC	D	F	B	K	H	G	J	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES				
												SYB 95	SYD 20A	SYE 150A	SYT 102R	STD PKG
2.5	M5	2.0	3.7	9	1.0	10.5	3	5	5	23.5	CEB-05					200
4.0	M6	3.1	4.8	11	1.0	10.5	3	6	6	25.5	CEB-06	SYA-427	SYT-17	SYT-2		200
6.0	M6	3.8	5.5	11	1.0	13.5	3	6	6	28.5	CEB-07					200
10	M6	4.4	6.2	11	1.3	13.5	3	6	6	28.5	CEB-08	JBR-1				200
16	M6	5.3	7.1	11	1.6	18.0	4	8	6	36.0	CEB-09	JBR-2				200
25	M6	7.0	9.0	13	2.0	18.0	5	12	8	43.0	CEB-10	JBR-3				100
35	M6	8.0	10.0	15	2.0	18.0	5	12	8	43.0	CEB-11	JBR-4				100
	M8	8.0	10.0	15	2.0	18.0	5	12	8	43.0	CEB-12					
50	M6	9.2	11.2	16	2.0	24.0	8	11	10	53.0	CEB-13	JBR-6				100
	M8	9.2	11.2	16	2.0	24.0	8	11	10	53.0	CEB-14					
	M10	9.2	11.2	16	2.0	24.0	8	11	10	53.0	CEB-15					
70	M8	11.6	13.8	20	2.2	27.0	10	15	13	65.0	CEB-16	JBR-7			HY-267	50
	M10	11.6	13.8	20	2.2	27.0	10	15	13	65.0	CEB-17					
	M12	11.6	13.8	20	2.2	27.0	10	15	13	65.0	CEB-18					
95	M10	12.8	15.6	23	2.8	30.0	10	15	13	68.0	CEB-19	JBR-9			HY-268	50
	M12	12.8	15.6	23	2.8	30.0	10	15	13	68.0	CEB-20					
120	M10	14.8	17.8	26	3.0	33.0	10	16	14	73.0	CEB-21	JBR-10			HY-269	30
	M12	14.8	17.8	26	3.0	33.0	10	16	14	73.0	CEB-22					
	M16	14.8	17.8	26	3.0	33.0	10	16	14	73.0	CEB-23					
150	M10	16.0	19.6	28	3.6	39.0	11	18	15	83.0	CEB-24		JDR-11	JER-11	HY-270	20
	M12	16.0	19.6	28	3.6	39.0	11	18	15	83.0	CEB-25					
	M16	16.0	19.6	28	3.6	39.0	11	18	15	83.0	CEB-26					
185	M12	18.0	22.0	32	4.0	45.0	11	21	21	98.0	CEB-27		JDR-12	JER-12	HY-271	20
	M16	18.0	22.0	32	4.0	45.0	11	21	21	98.0	CEB-28					
225	M16	20.0	24.0	35	4.0	51.0	13	24	24	112.0	CEB-231		JDR-13	JER-13	HY-272	10
240	M16	22.0	26.0	38	4.0	54.0	13	24	24	115.0	CEB-29		JDR-14	JER-14	HY-272	10
	M20	22.0	26.0	38	4.0	54.0	13	24	24	115.0	CEB-30					
300	M16	24.0	28.7	42	4.7	58.0	13	26	25	122.0	CEB-31		JDR-15	JER-15	HY-273	10
	M20	24.0	28.7	42	4.7	58.0	13	26	25	122.0	CEB-32					
400	M20	28.0	33.2	49	5.2	66.0	18	27	27	138.0	CEB-33			JER-17	HY-274	5
500	M20	30.0	36.0	53	6.0	72.0	18	27	27	144.0	CEB-34			JER-18	JEM-279	5
630	M20	35.0	41.5	61	6.5	83.0	18	33	31	165.0	CEB-35			JER-19	JEM-280	5
800		39.0	46.3	67	7.3	98.0	25	38	37	198.0	CEB-62			JER-23		5
1000		43.0	53.8	76	10.8	135.0	30	45	45	255.0	CEB-76			JER-22		

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBULAR TERMINALS : DIN 46235





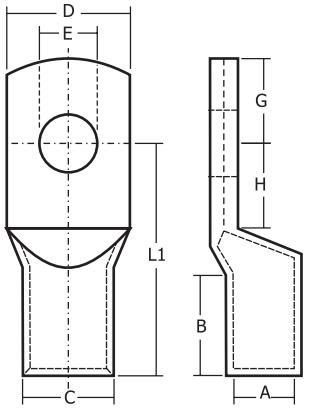
* Electrolytic High Conductivity Copper
* Electro Tinned Plated

Product Ref.	Conductor Size mm²	Stud Hole	Dimensions mm							
			A	B	D	E	C	G	H	L1
DIN 6-5	6	M- 5	3.8	10	8.5	5.3	5.5	6.5	7.5	24
DIN 6-6	6	M- 6			8.5	6.4		7.5	8.0	
DIN 6-8	6	M- 8			13.0	8.4		10.0	10.0	
DIN 10-5	10	M-5	4.5	10	9.0	5.3	6.0	7.0	8.5	27
DIN 10-6	10	M-6			9.0	6.4		7.5	8.5	
DIN 10-8	10	M-8			13.0	8.4		10.0	10.0	
DIN 16-6	16	M-6	5.5	20	13.0	6.4	8.5	7.5	8.0	36
DIN 16-8	16	M-8			13.0	8.4		10.0	10.0	
DIN 16-10	16	M-10			17.0	10.5		12.0	12.0	
DIN 16-12	16	M-12			18.0	13.0		13.0	13.0	
DIN 25-6	25	M-6	7	20	14.0	6.4	10.0	7.5	8.0	38
DIN 25-8	25	M-8			16.0	8.4		10.0	10.0	
DIN 25-10	25	M-10			17.0	10.5		12.0	12.0	
DIN 25-12	25	M-12			19.0	13.0		13.0	13.0	
DIN 35-6	35	M-6	8.2	20	17.0	6.4	12.5	7.5	8.0	42
DIN 35-8	35	M-8			17.0	8.4		10.0	10.0	
DIN 35-10	35	M-10			19.0	10.5		12.0	12.0	
DIN 35-12	35	M-12			21.0	13.0		13.0	13.0	
DIN 35-14	35	M-14			21.0	15.0		14.5	14.5	
DIN 50-8	50	M-8	10	28	20.0	8.4	14.5	10.0	10.0	52
DIN 50-10	50	M-10			22.0	10.5		12.0	12.0	
DIN 50-12	50	M-12			24.0	13.0		13.0	13.0	
DIN 50-14	50	M-14			24.0	15.0		14.5	14.5	
DIN 50-16	50	M-16			28.0	17.0		16.0	16.0	
DIN 70-8	70	M-8	11.5	28	24.0	8.4	16.5	10.0	10.0	55
DIN 70-10	70	M-10			24.0	10.5		12.0	12.0	
DIN 70-12	70	M-12			24.0	13.0		13.0	13.0	
DIN 70-14	70	M-14			24.0	15.0		14.5	14.5	
DIN 70-16	70	M-16			30.0	17.0		16.0	16.0	
DIN 95-8	95	M-8	13.5	35	28.0	8.4	19.0	12.0	12.0	65
DIN 95-10	95	M-10			28.0	10.5		12.0	12.0	
DIN 95-12	95	M-12			28.0	13.0		13.0	13.0	
DIN 95-14	95	M-14			28.0	15.0		14.5	14.5	
DIN 95-16	95	M-16			32.0	17.0		16.0	16.0	
DIN 120-10	120	M-10	15.5	35	32.0	10.5	21.0	15.0	16.0	70
DIN 120-12	120	M-12			32.0	13.0		16.0	17.0	
DIN 120-14	120	M-14			32.0	15.0		18.0	18.0	
DIN 120-16	120	M-16			32.0	17.0		19.0	20.0	
DIN 120-20	120	M-20			38.0	21.0		21.0	22.0	

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBULAR TERMINALS : DIN 46235







45⁰ ANGLE TYPE



90⁰ ANGLE TYPE

* Electrolytic High Conductivity Copper
* Electro Tinned Plated

Product Ref.	Conductor Size mm²	Stud Hole	Dimensions mm							
			A	B	D	E	C	G	H	L1
DIN 150-10	150	M-10	17.0	35	34	10.5	23.5	15	16	78
DIN 150-12	150	M-12			34	13.0		16	17	
DIN 150-14	150	M-14			34	15.0		19	20	
DIN 150-16	150	M-16			34	17.0		19	20	
DIN 150-20	150	M-20			40	21.0		21	22	
DIN 185-10	185	M-10	19.0	40	37	10.5	25.5	15	16	82
DIN 185-12	185	M-12			37	13.0		16	17	
DIN 185-14	185	M-14			37	15.0		19	20	
DIN 185-16	185	M-16			37	17.0		19	20	
DIN 185-20	185	M-20			40	21.0		21	22	
DIN 240-12	240	M-12	21.5	40	42	13.0	29.0	16	17	92
DIN 240-14	240	M-14			42	15.0		19	20	
DIN 240-16	240	M-16			42	17.0		19	20	
DIN 240-20	240	M-20			42	21.0		21	22	
DIN 300-14	300	M-14	24.5	50	48	15.0	32	19	22	100
DIN 300-16	300	M-16			48	17.0		19	22	
DIN 300-20	300	M-20			48	21.0		22	22	
DIN 400-14	400	M-14	27.5	70	55	15.0	38.5	25	25	115
DIN 400-16	400	M-16			55	17.0		25	25	
DIN 400-20	400	M-20			55	21.0		25	25	
DIN 500-16	500	M-16	31.0	70	60	17.0	42	25	25	125
DIN 500-20	500	M-20			60	21.0		25	25	
DIN 625-16	625	M-16	34.5	80	60	17.0	44	25	25	135
DIN 625-20	625	M-20			60	21.0		25	25	
DIN 800-16	800	M-16	40.0	100	75	17.0	52	30	30	165
DIN 800-20	800	M-20			75	21.0		30	30	
DIN 1000-21	1000	M-21	44.0	100	85	21.0	58	25	20	165

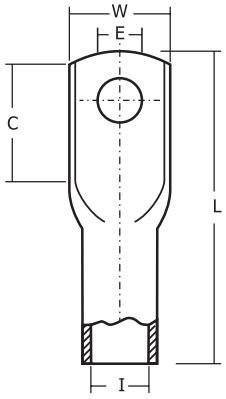
MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

* Electrolytic High Conductivity Copper
* Electro Tinned Plated
* Copper Finish on Request

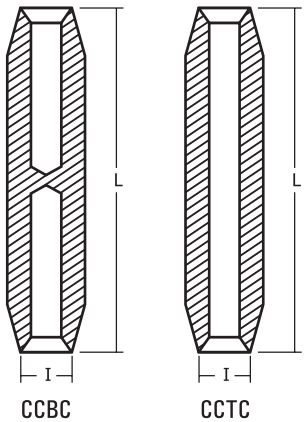
Product Ref.	Stud Hole	Dimensions mm				
		I	W	C	E	L
CHVT 25	M 8	6.8	14.0	17	8.4	57
CHVT 25	M 10	6.8	18.0	21	10.5	51
CHVT 25	M 12	6.8	21.0	30	13.2	64
CHVT 35	M 12	8.2	19.0	26	13.2	53
CHVT 35	M 16	8.2	26.0	36	17.0	68
CHVT 50	M 10	9.5	20.0	26	10.5	55
CHVT 50	M 12	9.5	20.0	26	13.2	55
CHVT 50	M 16	9.5	26.0	36	17.0	68
CHVT 70	M 12	11.2	21.0	26	13.2	70
CHVT 70	M 16	11.0	30.0	36	17.0	70.2
CHVT 95	M 12	13.5	25.0	26	13.2	78
CHVT 95	M 14	12.0	29.0	34	15.0	79
CHVT 120	M 12	15.0	28.0	26	13.2	82
CHVT 120	M 14	15.0	31.0	34	15.0	85
CHVT 150	M 12	16.5	30.0	30	13.2	98
CHVT 150	M 14	16.5	32.0	34	15.0	85
CHVT 180	M 14	17.0	32.5	34	15.0	85
CHVT 240	M 14	19.2	43.0	34	15.0	91
CHVT 300	M 12	23.5	44.0	36	12.0	106
CHVT 300	M 14	23.7	44.0	34	15.0	89
CHVT 400	M 14	27.0	51.0	41	15.0	121
CHVT 400	M 16	26.5	50.1	41	17.0	140
CHVT 400	M 20	27.0	51.0	47	21.0	123
CHVT 500	M 16	30.0	56.0	41	17.0	147
CHVT 500	M 20	30.3	56.5	47	21.0	130
CHVT 630	M 16	35.0	62.0	41	17.0	159
CHVT 630	M 20	33.4	61.5	47	21.0	142





CRIMP TERMINALS

Copper Connectors



* Electrolytic High Conductivity Copper
* Electro Tinned Plated
* Copper Finish on Request

Product Ref.	Dimensions mm	
	I	L
CCBC/ CCTC 25	6.8	60
CCBC/ CCTC 35	8.2	60
CCBC/ CCTC 50	8.7	60
CCBC/ CCTC 50 L	9.5	60
CCBC/ CCTC 70	11.0	70
CCBC/ CCTC 95	12.0	80
CCBC/ CCTC 95L	13.5	80
CCBC/ CCTC 150	15.0	80

Product Ref.	Dimensions mm	
	I	L
CCBC/ CCTC 150 L	16.5	80
CCBC/ CCTC 185	17.0	100
CCBC/ CCTC 240	19.2	100
CCBC/ CCTC 300	21.5	100
CCBC/ CCTC 300L	23.7	100
CCBC/ CCTC 400	27.0	120
CCBC/ CCTC 500	30.3	118
CCBC/ CCTC 630	33.4	130

MATERIAL-EC GRADE COPPER IS -191

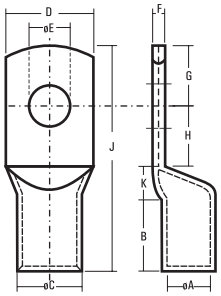
TOLERANCE=± 5%

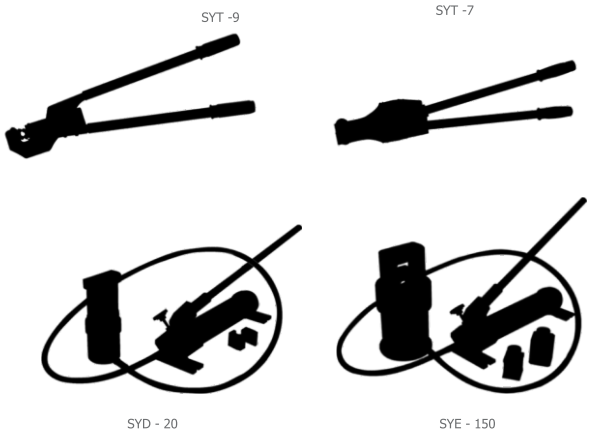
FINISH - ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

ALUMINIUM TUBE TERMINALS- IS-8337/ IS - 5082







MM²	E Bolt MMø	øA	øC	D	F	B	K	G-H	J	Dowell's CAT. No.	SYB 95	SYD 20A	SYE 150A	SYT-7	SYT -102 R	STD PKG
2.5	M3 M3.5	2.0 2.6	5.5	7.0	3.5 2.9	7	3	8	18	ALS-151 ALS-309	SYT -17		SYB - 95			200
4.0	M4 M5	2.9	5.5	7.0 12.0	2.6 1.2	7 7	3 4	8 13	18 24	ALS-155 ALS-317	SYA - 427					200
6.0	M5 M6	3.5	5.5	8.0 12.0	2.0 1.1	7	4	13	24	ALS-158 ALS-313	SYT - 2			SYT 102		200
10	M6 M8	4.4	7.4	10.0 15.0	2.8 1.8	9	4	17	30	ALS-214 ALS-215	JBR-1					200
16	M6 M8 M10	5.4	8.3	11.0 11.0 18.0	2.9 2.9 1.8	13	4	20	37	ALS-252 ALS-216 ALS-217	JBR-2					200
25	M8 M10 M12	7.0	10.0	14.0 20.0 20.0	3.0 1.7 1.7	16	7	21	44	ALS-218 ALS-219 ALS-220	JBR-4					100
35	M8 M10	8.0	10.8	15.0 20.0	2.8 2.1	18	7	22	47	ALS-221 ALS-222	JBR-5					100
50	M8 M10 M12	9.3	13.0	18.0 23.0 23.0	3.7 2.8 2.8	22	8	24	54	ALS-255 ALS-312 ALS-224	JBR-7				HY-267	100
70	M8 M10 M12	11.6	16.0	22.0	4.4	26	8	26	60	ALS-256 ALS-225 ALS-226	JBR-9				HY-268	50
95	M10 M12 M16	12.9	17.1	25.0	4.2	28	8	28	64	ALS-227 ALS-228 ALS-229	JBR-10				HY-269	50
120	M10 M12 M16	14.8	19.6	28.0	4.8	32	11	30	73	ALS-257 ALS-230 ALS-231	JBR-11	JDR-11	JER-11	JEK-402	HY-270	30
150	M10 M12 M16	16.1	21.2	31.0	5.1	34	11	34	79	ALS-258 ALS-232 ALS-233		JDR-12	JER-12	JEK- 403	HY-271	20
185	M10 M12 M16	18.0	23.7	34.0	5.7	36	12	36	84	ALS-311 ALS-234 ALS-235		JDR-13	JER-13	JEK-404	HY-272	10
225	M12	20.6	27.0	39.0	6.4	40	14	40	94	ALS-320		JDR-13	JER-14	JEK-405	HY-273	10
240	M12 M16	22.0	28.0	40.0	6.0	44	14	44	102	ALS-236 ALS-237		JDR-14	JER-15	JEK-406	HY-273	10
300	M16 M20	24.0	31.0	45.7	7.0	47	14	54	115	ALS-300 ALS-259		JDR-150	JER-16	JEK-407	HY-274	10
400	M20	28.0	36.0	51.0	8.0	56	13	61	130	ALS-260			JER-18	JEK-277	HY-275	5
500	M20	30.0	41.0	58.0	11.0	60	15	65	140	ALS-296			JER-20		HY-279	5
630	M20	35.0	46.0	66.0	11.0	69	16	69	154	ALS-261			JER-21		HY-280	5
800		39.0	51.0	73.0	12.0	77	25	78	180	ALS-318			JER-27			5
1000		43.5	57.0	81.0	13.5	100	30	90	220	ALS-319			JER-29			4

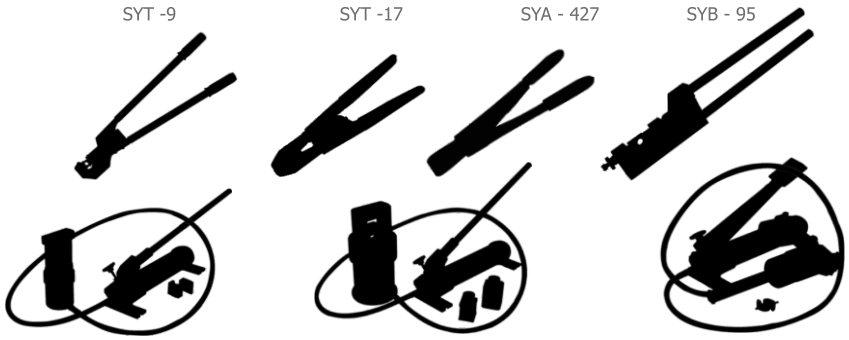
MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082/IS 8309 TOLERANCE=± 5% FINISH : NATURAL

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

ALUMINIUM IN- LINE CONNECTOR







MM²	øA	øC	J	Dowell's CAT. No.	SYB 95	SYD 20A	SYE 150A	SYT 7	SYT 9	SYT 102 R	STD PKG
2.5	2.6	5.5	16	ALS-6	SYA-427						200
4.0	2.9	5.5	16	ALS-5	SYT-17						200
6.0	3.5	5.5	16	ALS-13	SYT-2				6		200
10	4.4	7.4	20	ALS-14	JBR-1				10		200
16	5.4	8.3	26	ALS-4	JBR-2				16		200
25	7.0	10.0	35	ALS-3	JBR-4				25		100
35	8.0	10.8	40	ALS-2	JBR-5				35		100
50	9.3	13.0	45	ALS-12	JBR-7				50	HY-267	100
70	11.6	16.0	55	ALS-1	JBR-9					HY-268	50
95	12.9	17.1	60	ALS-15	JBR-10					HY-269	50
120	14.8	19.6	65	ALS-9	JBR-11	JDR-11	JER-11	JEK-402		HY-270	30
150	16.1	21.2	70	ALS-10		JDR-12	JER-12	JEK-403		HY-271	20
185	18.0	23.7	75	ALS-11		JDR-13	JER-13	JEK-404		HY-272	20
225	20.6	27.0	85	ALS-147		JDR-14	JER-14	JEK-405		HY-273	10
240	22.0	28.0	90	ALS-16		JDR-15	JER-15	JEK-406		HY-273	10
300	24.0	31.0	100	ALS-17		JDR-16	JER-16	JEK-407		HY-274	10
400	28.0	36.0	115	ALS-18			JER-18	JEK-277		HY-275	5
500	30.0	41.0	125	ALS-19			JER-20			JEM-279	5
630	35.0	46.0	140	ALS-20			JER-21				5
800	39.0	51.0	160	ALS-148			JER-27				5
1000	43.5	57.0	210	ALS-149			JER-29				4

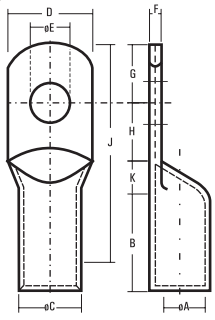
MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 TOLERANCE=± 5% FINISH : NATURAL

SOLDERING TYPE TUBE TERMINALS



AMPS	øE	øA	øC	D	F	B	K	H	G	J	Dowell's CAT. No.	STD. PKG.
60	6.4	8.1	9.5	14	1.4	14	4	9	9	36	DEW-203	100
100	9.5	10.9	12.7	19	1.8	19	8	11	11	49	DEW-204	50
150	9.5	13.9	15.9	24	2.0	23	8	13	13	57	DEW-205	30
200	12.7	16.6	19.0	28	2.4	27	11	14	14	66	DEW-206	20
300	12.7	19.0	22.2	33	3.2	28	13	20	19	80	DEW-207	20
400	15.9	22.2	25.4	38	3.2	32	15	21	21	89	DEW-208	10
500	19.0	25.4	28.6	43	3.2	38	17	25	25	105	DEW-209	10
600	19.0	27.8	31.8	47	4.0	44	17	27	27	115	DEW-210	10

1) Terminals and splices covered in this catalogue are of standard series only. Please refer us for your tailor made requirements such a specific stud holes, Palm and Barrel lengths.
2) Dowell's products available for Railways duly approved by R.D.S.O., C.L.W., D.L.W., I.C.F. etc

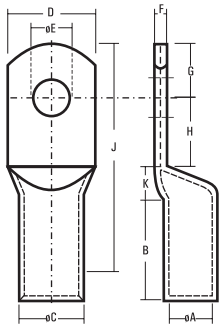


MATERIAL-EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH - ELECTRO TINNED

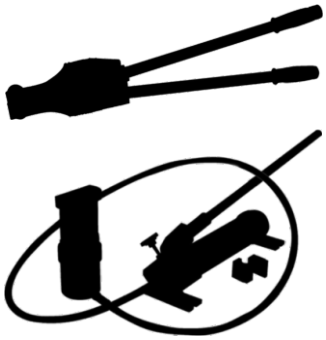
WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

ALUMINIUM TUBE TERMINALS - LONG BARREL





SYT -7



SYD - 20

SYT -9



SYE - 150

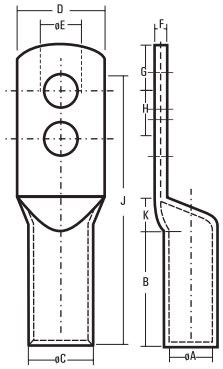
MM²	E Bolt MMø	øA	øC	D	F	B	K	G-H	J	Dowell's CAT. No.	SYB 95	SYD 20A	SYE 150A	SYT 7	SYT 9	SYT-102 R	STD PKG
2.5	M3 M3.5	2.0 2.6	5.5	7.0	3.5 2.9	10.5	3	8	21.5	ALS-551 ALS-509	SYT -17	SYB - 95					200
4.0	M4 M5	2.9	5.5	7.0 12.0	2.6 1.2	10.5	3 4	8 13	21.5 27.5	ALS-555 ALS-517	SYA - 427						200
6.0	M5 M6	3.5	5.5	8.0 12.0	2.0 1.1	10.5	4	13	27.5	ALS-558 ALS-513	SYT - 2				SYT 102 R		200
10	M6 M8	4.4	7.4	10.0 15.0	2.8 1.8	13.5	4	17	34.5	ALS-514 ALS-515	JBR-1				10		200
16	M6 M8 M10	5.4	8.3	11.0 11.0 18.0	2.9 2.9 1.8	19.5	4	20	43.5	ALS-552 ALS-516 ALS-617	JBR-2				16		200
25	M8 M10 M12	7.0	10.0	14.0 20.0 20.0	3.0 1.7 1.7	24	7	21	52	ALS-518 ALS-519 ALS-520	JBR-4				25		100
35	M8 M10	8.0	10.8	15.0 20.0	2.8 2.1	27	7	22	56	ALS-521 ALS-522	JBR-5				35		100
50	M8 M10 M12	9.3	13.0	18.0 23.0 23.0	3.7 2.8 2.8	33	8	24	65	ALS-665 ALS-512 ALS-524	JBR-7				50	HY-267	100
70	M8 M10 M12	11.6	16.0	22.0	4.4	39	8	26	73	ALS-556 ALS-525 ALS-526	JBR-9					HY-268	50
95	M10 M12 M16	12.9	17.1	25.0	4.2	42	8	28	78	ALS-527 ALS-528 ALS-529	JBR-10					HY-269	50
120	M10 M12 M16	14.8	19.6	28.0	4.8	48	11	30	89	ALS-557 ALS-530 ALS-531	JBR-11	JDR-11	JER-11	JEK-402		HY-270	30
150	M10 M12 M16	16.1	21.2	31.0	5.1	51	11	34	96	ALS-658 ALS-532 ALS-533		JDR-12	JER-12	JEK- 403		HY-271	20
185	M10 M12 M16	18.0	23.7	34.0	5.7	54	12	36	102	ALS-511 ALS-534 ALS-535		JDR-13	JER-13	JEK-404		HY-272	10
225	M12	20.6	27.0	39.0	6.4	60	14	40	114	ALS-620		JDR-14	JER-14	JEK-405		HY-273	10
240	M12 M16	22.0	28.0	40.0	6.0	66	14	44	124	ALS-536 ALS-537		JDR-15	JER-15	JEK-406		HY-273	10
300	M16 M20	24.0	31.0	45.7	7.0	70.5	14	54	138.5	ALS-500 ALS-559		JDR-16	JER-16	JEK-407		HY-274	10
400	M20	28.0	36.0	51.0	8.0	84	13	61	158	ALS-560			JER-18	JEK-277		HY-275	5
500	M20	30.0	41.0	58.0	11.0	90	15	65	170	ALS-596			JER-20			JEM-279	5
630	M20	35.0	46.0	66.0	11.0	103.5	16	69	188.5	ALS-561			JER-21				5
800		39.0	51.0	73.0	12.0	115.5	25	78	218.5	ALS-618			JER-27				5
1000		43.5	57.0	81.0	13.5	150	30	90	270	ALS-619			JER-29				4

MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082/IS 8309 TOLERANCE=± 5% FINISH : NATURAL

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

ALUMINIUM TUBE TERMINALS - TWO HOLES





SYT -7





SYD - 20A



SYE - 150A



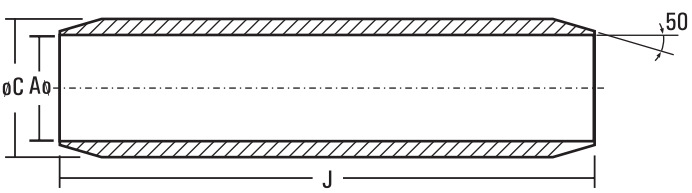
SYT 102 R

MM²	E Bolt MMø	øA	øC	D	F	B	K	G-H	J	Dowell's CAT. No.	SYD 20A	SYE 150A	SYE 150 B	SYT 7	SYT-102 R
150	M16	16.1	21.2	30.5	5.2	70.5	10.0	55.4	151.5	ALS-701	JDR-12	JER-12	JEA-150	JEK-403	JEM-271
240	M12	21.5	28	41.0	6.0	64.0	14.0	62.3	164.8	ALS-702	JDR-15	JER-15	JEA-240	JEK-406	JEM-273
300	M16	24	31	45.0	7.0	99.5	16.2	77.6	211.5	ALS-703					
300	M20	24	31	45.0	7.0	99.5	16.2	77.6	211.5	ALS-704	JDR-16	JER-16	JEA-300	JEK-407	JEM-274
300	M16	25	32	46.3	7.0	105	14.0	70.0	218.0	ALS-705					
630	M20	36	46	65.9	10.0	100	16.0	104	255.0	ALS-706		JER-21	JEA-630		

ALUMINIUM FERRULES FOR ALUMINIUM XLPE CONDUCTORS

dowells cat No	Conductor Size mm²	øA	øC	J
ALS-XL1	25	7.2	9.6	82
ALS-XL2	35	8.3	11.1	90
ALS-XL3	50	10.1	13.5	100
ALS-XL4	70	10.2	14.5	104
ALS-XL5	95	12.0	16.9	108
ALS-XL6	120	13.7	19.0	112
ALS-XL7	150	15.1	21.2	116
ALS-XL8	185	16.6	23.9	128
ALS-XL9	225	18.6	26.1	136
ALS-XL10	240	19.3	27.2	148
ALS-XL11	300	21.8	30.2	160
ALS-XL12	400	25.0	34.8	182
ALS-XL13	500	28.2	39.1	190
ALS-XL14	630	31.7	44.4	200
ALS-XL15	800	35.7	49.5	225
ALS-XL16	1000	41.0	56.0	250



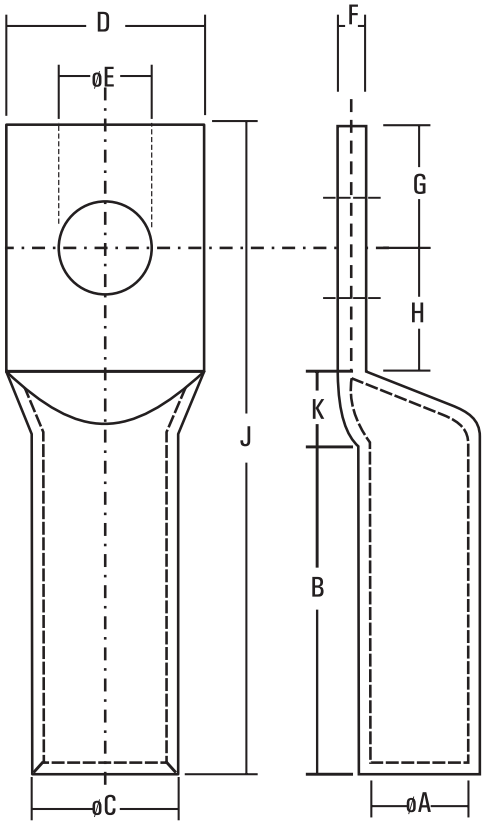


MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 TOLERANCE=± 5% FINISH : NATURAL

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

ALUMINIUM TERMINALS ENDS FOR AL- XLPE CONDUCTORS





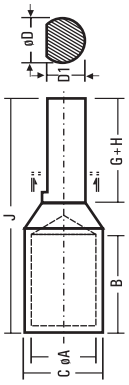
Dowell's Cat No.	Size mm²	Ø E	Ø A	Ø C	D	F	B	K	H	G	J
ALS-XL17	25	8.2	7.2	9.6	14.0	2.4	41	7	12	9	69
ALS-XL18	35	8.2	8.3	11.1	16.0	2.8	50	7	11	11	79
ALS-XL19	50	10.2	10.1	13.5	19.5	3.4	49	8	13	11	81
ALS-XL20	70	10.2	10.2	14.5	20.5	4.3	62	8	13	13	96
ALS-XL21	95	12.7	12.0	16.9	23.5	4.9	73	8	14	14	109
ALS-XL22	120	12.7	13.7	19.0	26.5	5.3	73	11	15	15	114
ALS-XL23	150	12.7	15.1	21.1	29.5	6.1	83	11	17	17	128
ALS-XL24	185	12.7	16.6	23.9	33.0	7.3	83	12	18	18	131
ALS-XL25	225	12.7	18.6	26.1	36.0	7.5	86	14	20	20	140
ALS-XL26	240	12.7	19.3	27.2	37.5	7.9	86	14	22	22	144
ALS-XL27	300	20.3	21.8	30.2	42.0	8.4	89	14	27	27	157
ALS-XL28	400	20.3	25.0	34.8	48.0	9.8	113	13	30	30	187
ALS-XL29	500	20.3	28.2	39.1	54.0	10.9	125	15	32	32	205
ALS-XL30	630	20.3	31.7	44.4	61.0	12.7	140	16	34	34	225
ALS-XL31	800	20.3	35.7	49.5	68.0	13.8	147	25	39	39	250
ALS-XL32	1000	20.3	41.0	56.0	77.5	15.0	160	30	45	45	280

MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 TOLERANCE=± 5% FINISH : NATURAL

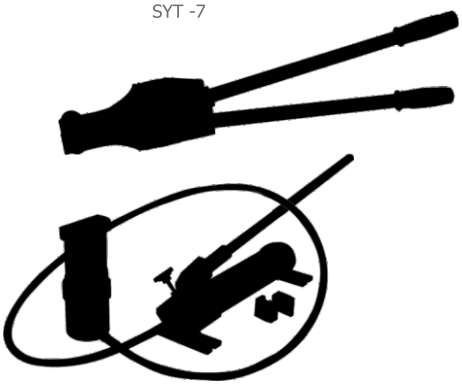
WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

ALUMINIUM REDUCER TERMINALS





SYT -7



SYD - 20

SYT -9

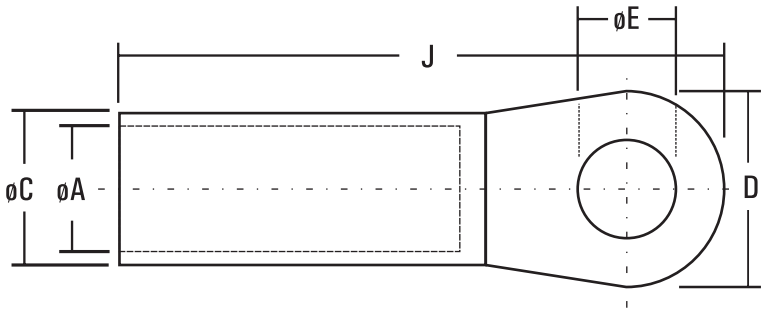


SYE - 150

mm²	Ø A	Ø C	Ø D	D-1	B	K	G+H	J	Dowell's Cat No.	RECOMMENDED TOOLS & DIES						STD PKG
										SYB 95	SYD 20A	SYE 150A	SYT 7	SYT 9	SYT-102 R	
2.5	2.0	5.5	4.5	4.0	7	4	10	21	AWP-1	SYT -17				SYT 102 R		200
	2.6		3.8	3.3		4	10		AWP-7							
4.0	2.9	5.5	4.5	4.0	7	4	10	21	AWP-15	SYA - 427						200
			3.8	3.3		4	10		AWP-16							
6.0	3.5	5.5	4.5	4.0	7	4	10	21	AWP-17	SYT - 2				SYB - 95		200
			3.8	3.3		4	10		AWP-18							
10	3.8	7.4	4.5	4.0	9	4	10	23	AWP-19	JBR-1				10		200
	3.8	7.4	3.8	3.3	9	4	10	23	AWP-20							
	4.4	7.4	4.5	4.0	9	4	10	23	AWP-21							
	4.4	7.4	3.8	3.3	9	4	10	23	AWP-22							
16	5.4	8.3	6.0	5.5	13	5	15	33	AWP-23	JBR-2				16		200
			6.0	5.5	13	5	20	38	AWP-24							
			3.8	3.3	13	5	13	31	AWP-2							
25	7.0	10.0	6.0	5.5	16	5	15	36	AWP-25	JBR-4				25		100
			7.5	6.5	16	5	20	41	AWP-3							
35	8.0	10.8	7.5	6.5	18	5	20	43	AWP-4	JBR-5				35		100
50	9.3	13.0	7.5	6.5	22	5	20	47	AWP-26	JBR-7				50	HY-267	100
	10.4	14.0	14	13	22	7	24	53	AWP-5							
70	11.6	16.0	7.5	6.5	26	5	20	51	AWP-27	JBR-9					HY-268	50
			11.5	10.5		5	25	56	AWP-6							
			11.5	10.5		5	32	63	AWP-28							
95	12.9	17.1	11.5	10.5	28	6	25	59	AWP-29	JBR-10					HY-269	50
			15.6	14.0		6	27	61	AWP-8							
			7.5	6.5		6	22	56	AWP-31							
			12.8	11.8		6	32	66	AWP-32							
120	14.8	19.6	11.5	10.5	32	6	25	63	AWP-33	JBR-11	JDR-11	JER-11	JEK-402		HY-270	30
			7.5	6.5		6	22	60	AWP-34							
			11.5	10.5		6	32	70	AWP-35							
			15.6	14		6	32	70	AWP-36							
150	16.1	21.2	15.6	14	34	6	32	72	AWP-10		JDR-12	JER-12	JEK-403		HY-271	20
			11.5	10.5		6	32		AWP-37							
185	18.0	23.7	15.6	14	36	6	32	74	AWP-30		JDR-13	JER-13	JEK-404		HY-272	10
			11.5	10.5		6	32		AWP-38							
225	20.6	27.0	15.6	14	40	8	32	80	AWP-39		JDR-14	JER-14	JEK-405		HY-273	10
			21	18		8	42	90	AWP-46							
			16	15		8	42	90	AWP-42							
240	22.0	28.0	16	15	44	8	42	94	AWP-44		JDR-15	JER-15	JEK-406		HY-273	10
			15.6	14		8	32	84	AWP-43							
300	24.0	31.0	16	15	47	8	42	97	AWP-45		JDR-16	JER-16	JEK-407		HY-274	10
			15.6	14		8	32	87	AWP-47							

MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 TOLERANCE=± 5% FINISH : NATURAL

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

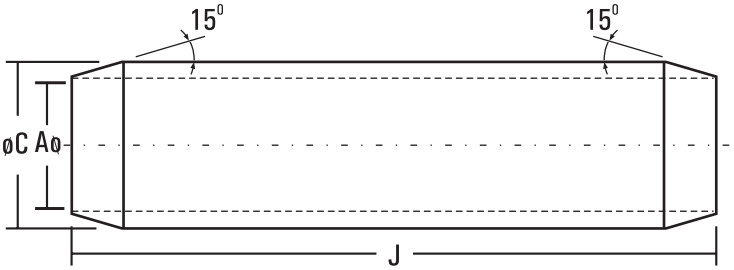


mm² S	mm² F	Dowell's Cat No.	Ø E	Ø A	Ø C	D	J
16	----	ALS-D-01	8.5	5.6	12	20	63
		ALS-D-02	10.5				
25	16	ALS-D-03	8.5	6.0	12	20	63
		ALS-D-04	10.5				
35	25	ALS-D-05	8.5	6.8	12	25	65.5
		ALS-D-06	10.5				
		ALS-D-07	13.0				
50	35	ALS-D-08	8.5	8.3	14	25	74.5
		ALS-D-09	10.5				
		ALS-D-10	13.0				
70	50	ALS-D-11	8.5	10.0	16	25	74.5
		ALS-D-12	10.5				
		ALS-D-13	13.0				
95	70	ALS-D-14	10.5	11.5	18	25	84.5
		ALS-D-15	13.0				
120	95	ALS-D-16	10.5	13.2	22	25	87.5
		ALS-D-17	13.0				
		ALS-D-18	17.0				
150	120	ALS-D-19	13.0	14.7	22	30	95
		ALS-D-20	17.0				

mm² S	mm² F	Dowell's Cat No.	Ø E	Ø A	Ø C	D	J
185	150	ALS-D-21	13.0	16.3	25	30	105
		ALS-D-22	17.0			30	105
		ALS-D-23	21.0			38	109
240	185	ALS-D-24	10.5	18.3	28	30	106
		ALS-D-25	13.0			30	106
		ALS-D-26	17.0			30	106
		ALS-D-27	21.0			38	110
300	240	ALS-D-28	10.5	21.0	32	38	122
		ALS-D-29	13.0				
		ALS-D-30	17.0				
		ALS-D-31	21.0				
--	300	ALS-D-32	17.0	23.3	34	38	122
		ALS-D-33	21.0				
--	400	ALS-D-34	17.0	26.0	38	38	135
		ALS-D-35	21.0				
--	500	ALS-D-36	17.0	29.0	44	44	144
		ALS-D-37	21.0				
400	400	ALS-D-38	17.0	28.0	38	38	135
		ALS-D-39	21.0				
500	500	ALS-D-40	17.0	31.0	44	44	144
		ALS-D-41	21.0				

COMPRESSION TYPE ALUMINIUM CONNECTORS TO DIN 57295

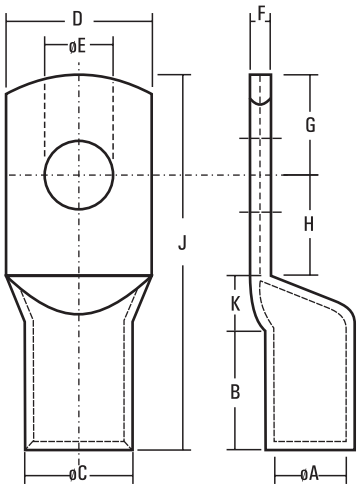
mm² S	mm² F	Dowell's Cat No.	Ø A	Ø C	Ø C
35	25	ALSD-D-51	7.0	12	90
50	35	ALSD-D-52	8.3	14	90
70	50	ALSD-D-53	10.0	16	90
95	70	ALSD-D-54	11.3	18	95
120	95	ALSD-D-55	13.5	22	100
150	120	ALSD-D-56	14.8	22	105
185	150	ALSD-D-57	16.5	25	105
240	185	ALSD-D-58	18.3	28	125
300	240	ALSD-D-59	21.0	32	125
—	300	ALSD-D-60	23.4	34	125
—	400	ALSD-D-61	26.0	38	150
—	500	ALSD-D-62	29.0	44	170



MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 TOLERANCE=± 5% FINISH : NATURAL

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT





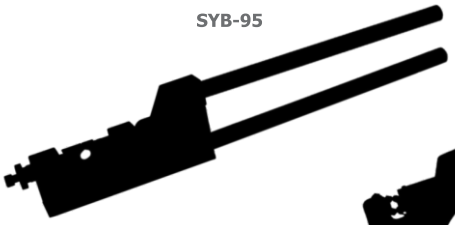
Dowell's Compression type Bi-metallic tubular terminal ends are basically made out of electrolytic grade aluminium confirming to IS 5082 Grade TIE. These aluminium terminals are first plated with copper and then electro-tinned.

The Bi-metallic terminal end barrel is filled with Dowell's corrosion inhibiting compound duly factory sealed with caps. This corrosion inhibiting compound is a mixture of fine metallic zinc particles suspended in a high temperature grease, which is conductive and acts as electrical bridge between conductor strands. This compound plays main role in breaking the oxide film which can form quickly on the surface of alumimnium when exposed to atmosphere.

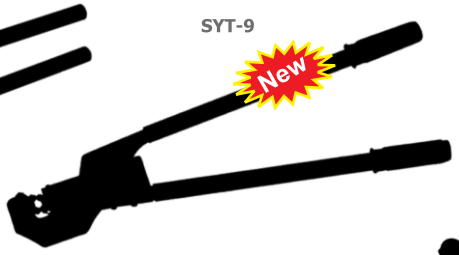
These Bi-metallic terminals are mainly used to terminate on copper bus-bars. Whenever aluminium links terminated on to copper or copper based alloy terminals without suitable plating, results in the corrossion of the joint over a period leading to higher joint resistance. BI-METALLIC terminals are found most reliable and suitable for such connections.

COMPRESSION TYPE BIMETALLIC TERMINAL ENDS WITH CONDUCTING CORROSION INHIBITING COMPOUND

SYB-95



SYT-9



SYT-7



SYT- 2





SYD-20



SYE- 150



SYT- 102

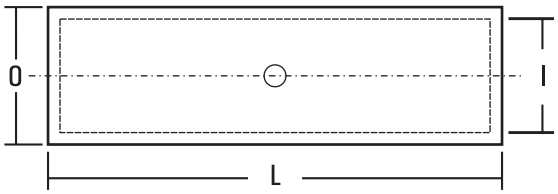
MM²	E Bolt MMø	øA	øC	D	F	B	K	G+H	J	Dowell's CAT. No.	SYB 95	SYD 20A	SYE 150A	SYT 7	SYT 9	SYT - 102 R	STD PKG
10	M 6 M 8	4.4	7.4	10.0 15.0	2.8 1.8	9	4	17	30	BL-1 BL-2	JBR-1				10		200
16	M 6 M 8	5.4	8.3	11.0 11.0	2.9 2.9	13	4	20	37	BL-3 BL-4	JBR-2				16		200
25	M8 M10	7.0	10.0	14.0 20.0	3.0 1.7	16	7	21	44	BL-5 BL-6	JBR-4				25		100
35	M8 M10	8.0	10.8	15.0 20.0	2.8 2.1	18	7	22	47	BL-7 BL-8	JBR-5				35		100
50	M8 M10	9.3	13.0	18.0 23.0	3.7 2.8	22	8	24	54	BL-9 BL-10	JBR-7				50	HY-267	100
70	M10 M12	11.6	16.0	22.0	4.4	26	8	26	60	BL-11 BL-12	JBR-9					HY-268	50
95	M10 M12	12.9	17.1	25.0	4.2	28	8	28	64	BL-13 BL-14	JBR-10					HY-269	50
120	M10 M12	14.8	19.6	28.0	4.8	32	11	30	73	BL-15 BL-16	JBR-11	JDR-11	JER-11	JEK-402		HY-270	30
150	M12 M16	16.1	21.2	31.0	5.1	34	11	34	79	BL-17 BL-18		JDR-12	JER-12	JEK-403		HY-271	20
185	M12 M16	18.0	23.7	34.0	5.7	36	12	36	84	BL-19 BL-20		JDR-13	JER-13	JEK-404		HY-272	10
225	M12	20.6	27.0	39.0	6.4	40	14	40	94	BL-21		JDR-14	JER-14	JEK-405		HY-273	10
240	M12 M16	22.0	28.0	40.0	6.0	44	14	44	102	BL-22 BL-23		JDR-15	JER-15	JEK-406		HY-273	10
300	M16 M20	24.0	31.0	45.7	7.0	47	14	54	115	BL- 24 BL-25		JDR-16	JER-16	JEK-407		HY-274	10
400	M20	28.0	36.0	51.0	8.0	56	13	61	130	BL-26			JER-18	JEK-277		HY-275	5
500	M20	30.0	41.0	58.0	11.0	60	15	65	140	BL-27			JER-20			JEM-279	5
630	M20	35.0	46.0	66.0	11.0	69	16	69	154	BL-28			JER-21				5
800		39.0	51.0	73.0	12.0	77	25	78	180	BL-29			JER-27				5
1000		43.5	57.0	81.0	13.5	100	30	90	220	BL-30			JER-29				4

MATERIAL-ELECTROLYTIC ALUMINIUM IS 5082 CU COATED TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

* Electrolytic High Conductivity Copper
* Electro Tinned Plated

Product Ref.	Conductor Size mm²	Dimensions mm		
		I	O	L
DIN 6	6	3.8	5.5	30
DIN 10	10	4.5	6.0	30
DIN 16	16	5.5	8.5	50
DIN 25	25	7	10.0	50
DIN 35	35	8.2	12.5	50
DIN 50	50	10	14.5	56
DIN 70	70	11.5	16.5	56
DIN 95	95	13.5	19.0	70
DIN 120	120	15.5	21.0	70
DIN 150	150	17	23.5	80
DIN 185	185	19	25.5	85
DIN 240	240	21.5	29.0	90
DIN 300	300	24.5	32.0	100
DIN 400	400	27.5	38.5	150
DIN 500	500	31	42.0	160
DIN 625	625	34.5	44.0	160
DIN 800	800	40	52.0	200
DIN 1000	1000	44	58.0	200

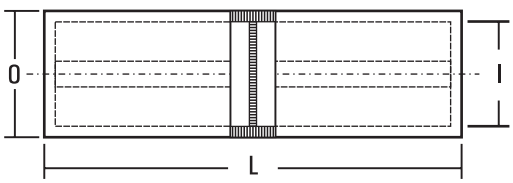


WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

* Electrolytic High Conductivity Copper
* Electro Tinned Plated

LEAKPROOF AGAINST OIL

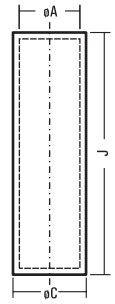
Product Ref.	Conductor Size mm²	Dimensions mm		
		I	O	L
CB 16 S	16	5.5	8.5	50
CB 25 S	25	7	10.0	50
CB 35 S	35	8.2	12.5	50
CB 50 S	50	10	14.5	56
CB 70 S	70	11.5	16.5	56
CB 95 S	95	13.5	19.0	70
CB 120 S	120	15.5	21.0	70
CB 150 S	150	17	23.5	80
CB 185 S	185	19	25.5	85
CB 240 S	240	21.5	29.0	90
CB 300 S	300	24.5	32.0	100
CB 400 S	400	27.5	38.5	150
CB 500 S	500	31	42.0	160
CB 625 S	625	34.5	44.0	160



MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

COPPER TUBE IN-LINE CONNECTORS





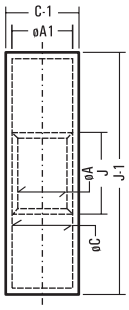
SYA - 427 SYT -17 SYT - 2



MM²	øA	øC	J	Dowell's CAT. No.	RECOMM TOOLS	STD PKG
1.5	1.6	3.2	15	EH-453	SYA-427	200
2.5	2.4	4.0	15	EH-454	SYT-17	200
4.6	3.5	5.5	15	EH-455	SYT-2	200

COPPER INSULATED IN-LINE CONNECTORS





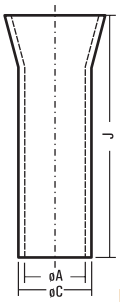
SYH-1614/ SYG-2216 SYI -1210/ SYO-1210



MM²	øA	øC	øA-1	Ø C-1	J-1	J	Dowell's CAT. No.	RECOMM TOOLS	STD PKG
1.5	1.6	3.2	3.3	4.9	25	15	EH-463	SYG-2216/SYT-1546	200
2.5	2.4	4.0	4.1	5.5	25	15	EH-464	SYH-1614/SYT-1546	200
4.6	3.5	5.5	5.6	7.2	27	15	EH-465	SYI-1210/SYT-1546	200

END SEALING FERRULES





SYT- 52 M (0.5-6mm²) SYT- 53 M (10- 35mm²)



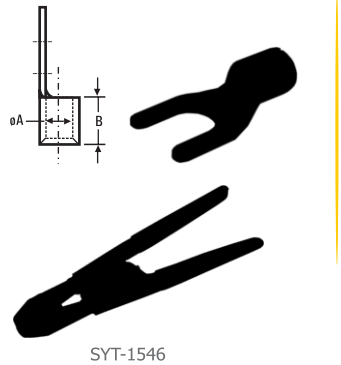
Area Mm²	øA	øC	J	Dowell's CAT. No.	STD PKG	Area Mm²	øA	øC	J	Dowell's CAT. No.	STD PKG
0.5	1.0-1.1	1.4-1.5	6	EH-508	200				10	EH-518	
0.75	1.4-1.5	1.8-1.9	6	EH-509	200	6.0	3.7-3.8	4.1-4.2	12	EH-519	200
1.0	1.6-17	2.0-2.1	6	EH-510	200				15	EH-520	
			10	EH-511					12	EH-521	
1.5	1.8-1.9	2.2-2.3	7	EH-512	200	10	4.6-4.7	5.0-5.1	15	EH-522	200
			10	EH-513					18	EH-523	
2.5	2.3-2.4	2.7-2.8	7	EH-514	200				12	EH-524	
			12	EH-515		16	5.9-6.0	6.3-6.4	15	EH-525	200
4.0	2.8-2.9	3.2-3.3	9	EH-516	200				18	EH-526	
			12	EH-517							

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

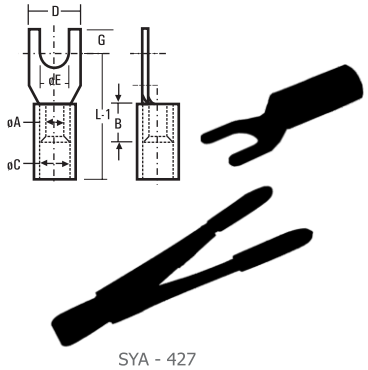
FORK TERMINALS

NON-INSULATED



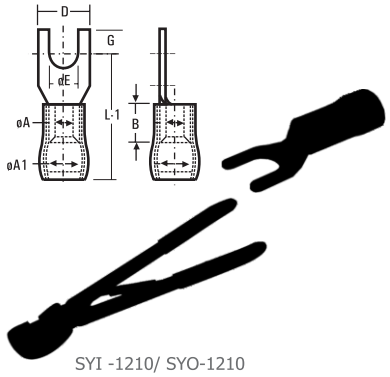
SYT-1546

INSULATED



SYA - 427

PRE-INSULATED

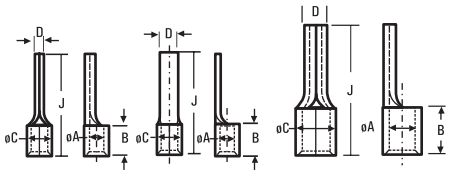


SYI -1210/ SYO-1210

Recomm Tools For RS	MM²	E Bolt MMø	øA	D	B	G	L-1	Dowell's CAT. No.	øC	L-1	Dowell's CAT. No.	øA-1	L-1	Dowell's CAT. No.	Recommended Tools For RSI & PSD
SYT-17	1.5	M3.5	1.6	6.8	5	3.4	11.1	RS-7249	3.2	16.1	RSI-7926	3.6	16.1	PSD-7935	SYG-2216/SYT-1546
SYA-427	2.5	M 3.5	2.3	6.5	5	3.2	11.8	RS-7251	3.9	21.8	RSI-7928	4.4	16.8	PSD-7937	SYH-1614/SYT-1546
SYT-2	4-6	M 3	3.5	6.0	6	3.5	11.5	RS-7252	5.5	27.5	RSI-7930	6.4	20.5	PSD-7939	SYI-1210/SYT-1546
	4-6	M 3.5	3.5	6.0	6	4.0	11.0	RS-7253	5.5	27.0	RSI-7931	6.4	20.0	PSD-7940	
	2.5	M 5	2.6	10.6	6.2	6.2	12.4	RS-7280	4.6	20.0	RSI-7929	4.4	16.2	PSD-7938	

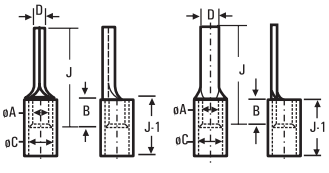
PIN TERMINALS

NON-INSULATED



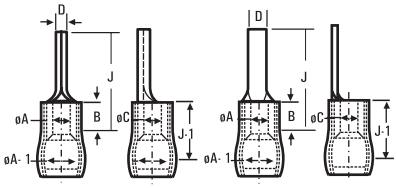
SYT -17

INSULATED



SYT - 2

PRE-INSULATED



SYG - 2216 / SYH - 1614



SYI -1210/ SYO-1210



SYA - 427



SYB - 95

Tools Recomm For CP	MM²	øA	øC	D	B	J	Type	Dowell's CAT. No.	J-1	Dowell's CAT. No.	øA-1	Dowell's CAT. No.	STD PKG	Recommended Tools For CPI & CPD
	1.5	1.6	3.2	1.9	5	17	I	CP-9	10	CPI-17	3.6	CPD-26	200	SYG-2216
SYT-17	1.5	1.6	3.2	3.1	5	17	II	CP-35	10	CPI-40			200	
SYA-427	2.5	2.3	3.9	1.9	5	17	I	CP-1	10	CPI-18	4.4	CPD-27	200	SYH-1614
SYT-2	2.5	2.3	3.9	3.1	5	17	II	CP-2	10	CPI-19	4.4	CPD-28	200	
	4.0	2.9	4.9	2.7	6	20	I	CP-3	14	CPI-20	6.4	CPD-29	200	SYI-1210
	6.0	3.6	5.6	2.7	6	20	I	CP-5					200	
SYT-2	10	4.5	6.7	4.3	8	22	III	CP-7					200	SYB-95 JBR-1
	16	5.8	8.2	5.5	10	26	III	CP-8					200	SYB-95 JBR-2
SYB-95	25	7.5	11.1	7.0	11	32	III	CP-86					100	
	35	9.0	12.6	7.5	12	37.8	III	CP-87					100	
	50	10.5	14.1	9.0	16	42	III	CP-88					100	
	70	12.0	16.0	9.0	18	47	III	CP-89					50	
	95	13.5	18.1	9.0	20	52	III	CP-90					50	

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

RECOMMENDED PRACTICE FOR RESISTANCE TO CORROSION.

1. Whilst aluminium withstands weathering without protection during many years service the use of a corrosion inhibiting compound is recommended where conditions are particularly aggressive, such as chemical or salt-laden atmospheres, or where inspection and cleaning are likely to be irregular.

   such as inhibitor must :

   a) not affect electrical properties of the compression joint
   b) be non-corrosive to aluminium copper, steel, tin zinc and combinations of these :
   c) not deteriorate on exposure to atmosphere at conductor operating temperatures :
   d) have good sealing properties against moisture and contaminating substances in the atmosphere.
   e) have a high temperature drop point.

2. The following compound is recommended for application over the prepared end of the conductor and inside the ferrule :

"DOWELL'S" CORROSION INHIBITING COMPOUND" GTZ-8785

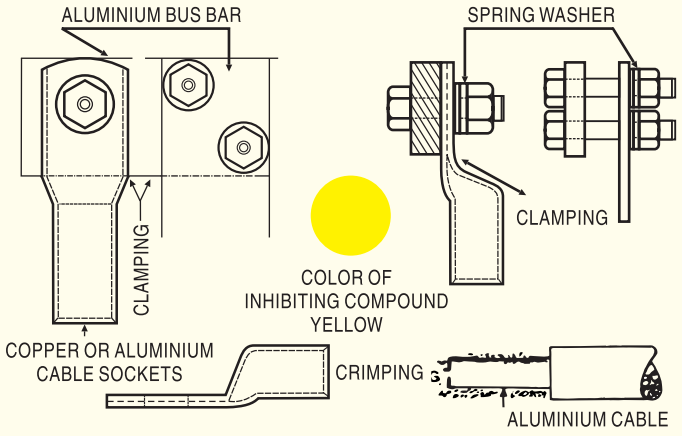
3. It is a useful procedure to fill the lug with compound. To prevent dirt getting into the corrosion-inhibiting compound and to give added protection to the joint.

   We are marketing the above compound.

   Packing :
   i) Collapsible Tubes wt. 50 gms.
   ii) 15 Tubes in a Cartoon wt. 800 gms.
   iii) 60 Collapsible Tubes in one Jacket



Demonstration for application of inhibiting compound to clamping & crimping connections.

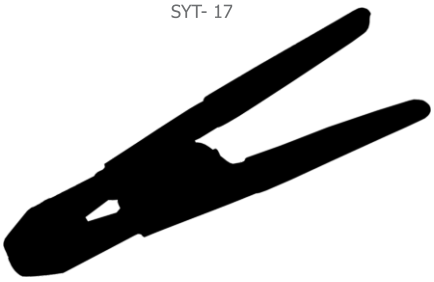


WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

SYT- 2



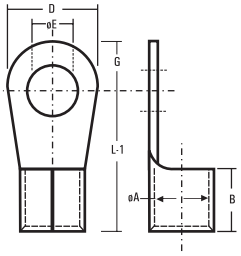
SYT- 17



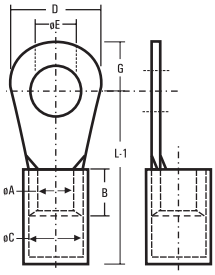
SYI-1210/ SYO -1210



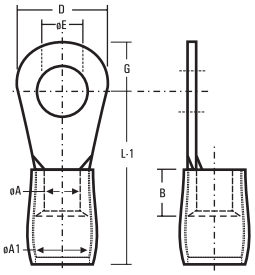










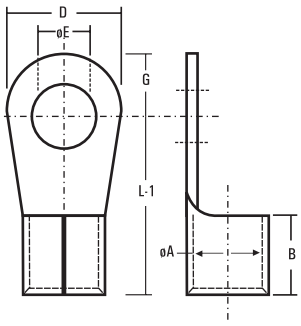


MM²	E Bolt MMø	øA	D	B	G	L-1	Dowell's CAT. No.	Recomm. Tools Rs	øC	L-1	Dowell's CAT. No.	Recomm. Tools Rs	øA-1	L-1	Dowell's CAT. No.	Recomm. Tools Rs
1.5	M3	1.6	6.0	5	3.0	11	RS-7001	SYT-2	3.2	16	RSI-7054	SYG-2216	3.6	16	PSD-7437	SYG-2216
	M3.5						RS-7002				RSI-7055				PSD-7438	
	M4						RS-7003				RSI-7056				PSD-7439	
	M3.5	1.6	6.8	5	3.4	9.6	RS-7048		3.2	14.6	RSI-7058		3.6	14.6	PSD-7441	
	M4						RS-7049				RSI-7059				PSD-7442	
	M4	1.6	8.0	5	4.0	12.0	RS-7004		3.2	17.0	RSI-7061		3.6	17.0	PSD-7444	
	M5						RS-7005				RSI-7062				PSD-7445	
	M4	1.6	7.0	5	3.5	11.0	RS-7154		3.2	16.0	RSI-7063		3.6	16.0	PSD-7446	
	M5	1.6	10	5	5.0	13.0	RS-7006		3.2	18.0	RSI-7065		3.6	18.0	PSD-7448	
	M6						RS-7007				RSI-7066				PSD-7449	
	M6	1.6	12	5	6.0	12.0	RS-7106		3.2	17.0	RSI-7067		3.6	17.0	PSD-7450	
2.5	M3	2.3	6.5	5	3.2	9.5	RS-7107	SYA-427	3.9	14.5	RSI-7068	SYH-1614	4.4	17.7	PSD-7451	SYH-1614
	M3.5						RS-7008				RSI-7069				PSD-7452	
	M3.5	2.3	8.0	5	4.0	12.0	RS-7108		3.9	17.0	RSI-7070		4.4	17.0	PSD-7453	
	M4						RS-7009				RSI-7071				PSD-7454	
	M5						RS-7010				RSI-7072				PSD-7455	
	M5	2.3	10	5	5.0	13.0	RS-7109		3.9	18.0	RSI-7073		4.4	18.0	PSD-7456	
	M6						RS-7011				RSI-7074				PSD-7457	
	M5	2.3	12	5	6.0	16.0	RS-7110		3.9	21.0	RSI-7075		4.4	21.0	PSD-7458	
	M6						RS-7012				RSI-7076				PSD-7459	
	M8						RS-7013				RSI-7077				PSD-7460	
	M8	2.3	16	5	8.0	17.0	RS-7014		3.9	22.0	RSI-7079		4.4	22.0	PSD-7462	
	M10	2.3	18	5	9.0	20.0	RS-7151		3.9	25.0	RSI-7081		4.4	25.0	PSD-7464	
4.6	M4	3.5	8.0	6	4.0	13.0	RS-7155	SYT-17	5.5	21.0	RSI-7083	SYI-1210	6.4	22.0	PSD-7466	S SYI-1210
	M5						RS-7050				RSI-7084				PSD-7467	
	M5	3.5	10	6	5.0	14.0	RS-7016		5.5	22.0	RSI-7086		6.4	23.0	PSD-7469	
	M6	3.5	12	6	6.0	14.0	RS-7017				RSI-7089				PSD-7472	
	M8						RS-7018				RSI-7090				PSD-7473	
	M6	3.5	12	6	6.0	16.0	RS-7019		5.5	24.0	RSI-7092		6.4	25.0	PSD-7475	
	M6	3.5	14	6	7.0	18.5	RS-7115		5.5	26.5	RSI-7093		6.4	27.5	PSD-7476	
	M8						RS-7020				RSI-7094				PSD-7477	
	M8	3.5	16	6	8.0	22.0	RS-7116		5.5	30.0	RSI-7096		6.4	31.0	PSD-7479	
	M10	3.5	18	6	9.0	21.0	RS-7023		5.5	29.0	RSI-7099		6.4	30.0	PSD-7482	
	M12						RS-7024				RSI-7100				PSD-7483	

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT





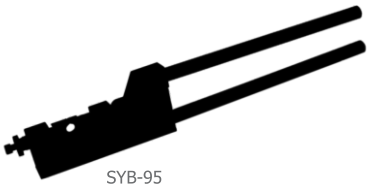


SYT- 2



SYT- 50 SYT- 9

MM²	E Bolt MMø	øA	D	B	G	L-1	Dowell's CAT. No.	RECOMMENDED TOOLS & DIES					STD PKG
									SYB 95	SYD 20A	SYE 150A	SYT 185	
10	M5	4.3	10	8	5	17	RS-7025						
10	M5	4.3	10	8	5	15	RS-7026	SYT-2					
10	M6	4.3	12	8	6	17	RS-7120		JBR-1				200
10	M8	4.3	16	8	8	19	RS-7121						
10	M10	4.3	22	8	11	23	RS-7123						
10	M12	4.3	22	8	11	23	RS-7028						
16	M5	5.6	10	10	5	19	RS-7124						
16	M6	5.6	12	10	6	20	RS-7029	SYT-2					
16	M8	5.6	16	10	8	22	RS-7030		JBR-2				200
16	M10	5.6	22	10	11	24	RS-7128						
16	M12	5.6	22	10	11	24	RS-7033						
25	M6	7.5	12	11	6	25	RS-7156						
25	M8	7.5	16	11	8	22	RS-7034						
25	M10	7.5	22	11	11	31	RS-7132		JBR-5				100
25	M12	7.5	22	11	11	31	RS-7037						
35	M6	9.0	16	12	8	23	RS-7133						
35	M8	9.0	16	12	8	23	RS-7038						
35	M10	9.0	22	12	11	31	RS-7135		JBR-6			R-6	100
35	M12	9.0	22	12	11	31	RS-7040						
50	M8	10.5	18	16	9	34	RS-7136						
50	M10	10.5	22	16	11	32	RS-7137						
50	M12	10.5	24	16	12	36	RS-7042		JBR-7			R-7	100
50	M16	10.5	32	16	16	38	RS-7139						
70	M10	12.0	22	18	11	36	RS-7140						
70	M12	12.0	24	18	12	36	RS-7141		JBR-9			R-9	50
70	M16	12.0	28	18	14	40	RS-7142						
95	M10	13.5	24	20	12	38	RS-7144						
95	M12	13.5	24	20	12	38	RS-7044		JBR-10			R-10	50
95	M16	13.5	28	20	14	44	RS-7145						
120	M12	15.0	26	22	13	39	RS-7146						
120	M16	15.0	32	22	16	48	RS-7147		JBR-11	JDR-11	JER-11	R-11	30
120	M20	15.0	40	22	20	52	RS-7148						
150	M12	16.5	34	24	17	49	RS-7149						
150	M16	16.5	34	24	17	49	RS-7045			JDR-13	JER-13		20
150	M20	16.5	40	24	20	54	RS-7046						



SYB-95



SYD-20

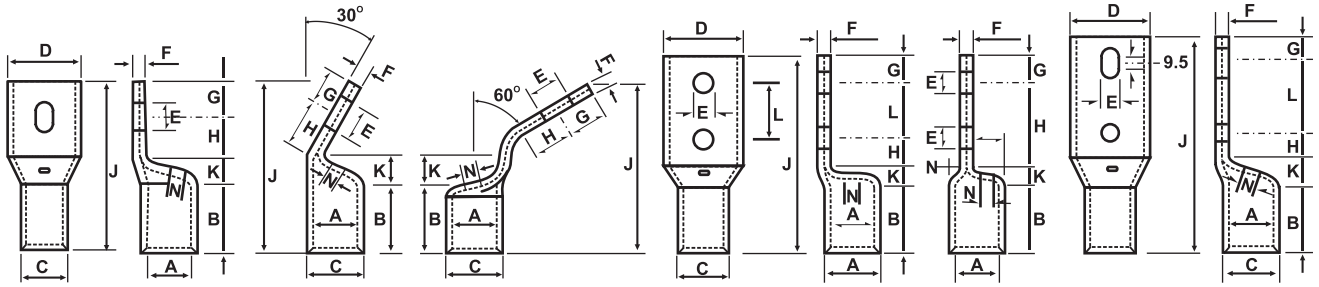


SYE- 150

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBULAR TERMINAL ENDS FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS REF : D.L.W.



*** TYPE I** Note : N 5 mm

*** TYPE III** **M** : 5.5 mm

*** TYPE II** - CUS / 47

*** TYPE IV** 8 mm X CUS / 48

*** TYPE V** ▲ Lead Coated

*** TYPE VI** **TOLERANCE =± 5%**

Area mm²	Cable Size	E	A	C	D	F	B	K	H	G	J	L	Type	Dowell's Cat No.	Retail Packing	Recommendation forming crimping		
																Tool	Die	Die
133	650/0.5	10.3	17.0	22.2	32	5.2	27	8	28	19	82	-	I	CUS / 36	20	D, E	F-150	RH-17-2
133	650/0.5	10.3	17.0	22.2	32	5.2	27	8	28	19	82	-	I	CUS / 37	20	D, E	F-150	RH-17-2
133	650/0.5	10.3	17.0	22.2	32	5.2	27	7	19	14	67	-	I	CUS / 38	20	D, E	F-150	RH-17-2
133	650/0.5	10.3	17.0	22.2	32	5.2	27	7	19	14	67	-	I	CUS/ 39	20	D, E	F-150	RH-17-2
133	650/0.5	10.3	17.0	22.2	32	5.2	27	12	19	14	62	-	II	CUS/ 40	20	D, E	F-150	RH-17-2
133	650/0.5	10.3	17.0	22.2	32	5.2	27	12	19	14	67	-	III	CUS/ 41	20	D, E	F-150	RH-17-2
133	650/0.5	8.7	17.0	22.2	32	5.2	27	8	11	11	79	22.2	V	CUS/ 47	20	D, E	F-150	RH-17-2
133	650/0.5	8.7	17.0	22.2	32	5.2	27	11	14	13	109	44.4	VI	CUS/ 51▲	20	D, E	F-150	RH-17-2
270	1325/0.5	16.6	24.6	31.7	46	7.1	40	11	22	21	94	-	I	CUS/ 42	10	D, E	F-270	RH-24-4
270	1325/0.5	13.5	24.6	31.7	46	7.1	40	11	22	21	94	-	I	CUS/ 43	10	D, E	F-270	RH-24-4
270	1325/0.5	13.5	24.6	31.7	46	7.1	35	15	22	21	86	-	III	CUS/ 44	10	D, E	F-270	RH-24-4
270	1325/0.5	10.3	24.6	31.7	46	7.1	40	8	13	12	97	25.4	V	CUS/ 48	10	D, E	F-270	RH-24-4
270	1325/0.5	13.5	24.6	31.7	46	7.1	40	8	13	12	105	31.7	IV	CUS/ 49	10	D, E	F-270	RH-24-4
400	1925/0.5	17.4	29.3	37.2	53	7.9	47	10	29	22	108	-	I	CUS/ 45	5	E	F-500	RH-29
400	1925/0.5	13.5	29.3	37.2	53	7.9	47	10	29	22	108	-	I	CUS/ 46	5	E	F-500	RH-29
400	1925/0.5	14.3	29.3	37.2	53	7.9	51	7	27	13	130	31.7	IV	CUS/ 50	5	E	F-500	RH-29

COPPER TUBULAR TERMINAL ENDS FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS REF : D.L.W.

mm²	'C' Cable Size	mm²	'C-1' Cable Size	A	C	J	Dowell's Cat No.	Retail Packing	Recommendation		
									Crimping Tool	Forming Die	Crimping Die
1.5	1/1.4	1.5	1/1.4	1.6	3.2	15	EH-453	200	A	-	-
2.5	1/1.8	2.5	1/1.8	2.0	3.7	15	CB-23	200	A	-	-
4	1/2.8	4	1/2.8	3.1	4.8	15	CB-3	200	A	-	-
6	1/3.55	6	1/3.55	3.8	5.5	15	CB-4	200	A	-	-
10	7/1.4	10	7/1.4	4.4	6.2	20	EH-460	200	B,D	-	R-1
16	7/1.7	16	7/1.7	5.3	7.1	20	CB-6	200	B,D	-	R-2
25	7/2.24	25	7/2.24	7.0	9.0	25	CB-7	200	B,D	F-25	R-3
35	7/2.5	35	7/2.5	8.0	10.0	30	CB-8	100	B,D	F-35	R-4
50	19/1.8	50	19/1.8	9.2	11.2	35	CB-9	100	B,D,E	F-50	R-6
70	19/2.24	70	19/2.24	11.5	13.8	40	CB-10	50	B,D,E	F-70	R-7
95	19/2.5	95	19/2.5	12.8	15.6	45	CB-11	50	B,D,E	F-95	R-9
120	37/2.06	120	37/2.06	14.8	17.8	50	CB-12	30	B,D,E	F-120	R-10
150	37/2.24	150	37/2.24	16.0	19.6	55	CB-13	20	D,E	F-150	R-11
185	37/2.5	185	37/2.5	18	22	60	CB-14	20	D,E	F-185	R-12
225	37/2.8	225	37/2.8	20	24	65	CB-20	10	D,E	F-225	R-13
240	61/2.24	240	61/2.24	22	26	65	CB-15	10	D,E	F-240	R-14
300	61/2.5	300	61/2.5	24	28.7	75	CB-16	10	D,E	F-300	R-15
400	61/3.00	400	61/3.00	28	33.2	90	CB-17	5	D,E	F-400	R-17
500	91/2.65	500	91/2.65	30	36	95	CB-18	5	E	F-500	R-18
625	91/3.0	625	91/3.0	35	41.5	105	CB-19	5	E	F-625	R-19
800	91/3.35	800	91/3.35	39	46.3	120	CB-21	5	E	-	R-23
1000	91/3.65	1000	91/3.65	43	53.8	150	CB-22	4	E	-	R-22





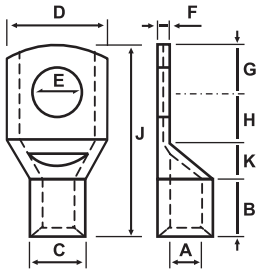
MATERIAL - COPPER IS : 191
Finish - Electro Tinned

Crimping tool abbreviation
A = KOP E=SYE 150A
B=BRD D=SYD 20A

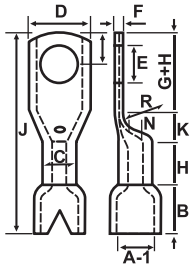
MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

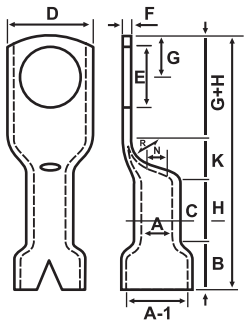
COPPER TUBULAR TERMINAL ENDS FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS REF : C.L.W.



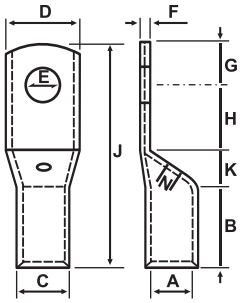
* TYPE I



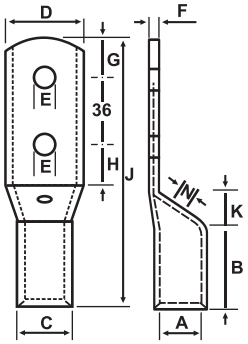
* TYPE III



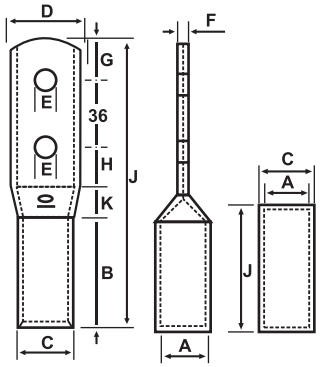
* TYPE VII



* TYPE IV



* TYPE V



* TYPE VIII

* TYPE VI

TOLERANCE =± 5%

MATERIAL - COPPER IS : 191
Finish - Electro Tinned

Note : N = 5 mm

Crimping tool abbreviation
A = KOP E=SYE 150A
B=BRD D=SYD 20A

Area mm²	Cable Size	E	A	C	D	F	B	K	H	G	J	N	Type of Fig.	Dowell's Cat No.	Retail Packing	Recommendation		
																Tool	Forming Die	Crimping Die
3	45/0.3	3.2	2.6	4.6	7.0	1.6	5.5	-	6.5	3.5	15.5	-	I	CUS / 66	200	A	-	2
3	45/0.3	3.2	2.6	4.6	5.0	2.0	5.5	-	6.5	2.5	14.5	-	I	CUS / 67	200	A	-	2
3	45/0.3	4.2	2.6	4.6	7.3	1.5	5.5	-	6.5	4	16	-	I	CUS / 65	200	A		2
																	-	
3	45/0.3	4.2	2.6	4.6	8	1.4	5.5	-	6	4	16	-	I	CUS/ 209	200	A	-	2
3	45/0.3	5.2	2.6	4.6	8	1.4	5.5	-	5	4	16	-	I	CUS/ 210	200	A	-	2
3	45/0.3	6.2	2.6	5.0	10	1.4	8	3	6.5	5	34	1.5	III	CUS/ 211	200	A		2
																	-	
10	144/0.3	6.2	5	7	10	2	10	4	11	7	40	3	VII	CUS/ 228	200	B,D	-	W-1
10	144/0.3	8.2	5	7	12	1.6	10	4	11	7	40	3	VII	CUS/ 68	200	B,D	-	W-1
10	144/0.3	10.2	5	7	14	1.4	10	4	11	7	40	3	VII	CUS/ 69	200	B,D	-	W-1
25	127/0.5	6.2	8	10	15	2	16	5	14	10	45	3	IV	CUS/ 212	100	B,D	F-35	W-13
25	127/0.5	8.2	8	10	15	2	16	5	14	10	45	3	IV	CUS/ 56	100	B,D	F-35	W-13
35	-	8.2	9.6	12	17	2.4	20	5	21	14	60	3	IV	CUS/ 187	100	B,D	F-50	W-6
50	175/0.5	10.5	10.8	14	20	3.2	20	6	20	14	60	3	IV	CUS/ 87	100	B,D	FSD-70	W-7
50	175/0.6	15	10.8	14	20	3.2	20	6	20	14	60	3	IV	CUS/ 230	100	B,D	FSD-70	W-7
70		11	12.8	17	24	4.2	25	10	18	12	65	4	IV	CUS/ 229	50	D,E	F-95	W-9
120	427/0.6	14	17	22.2	32	5.2	30	13	27	18	88	4	IV	CUS/ 55	30	D,E	F-150	W-11
120	427/0.6	21	17	22.2	32	5.2	30	13	27	18	88	4	IV	CUS / 70	30	D,E	F-150	W-11
150	525/0.6	16	18	24	34	6	35	12	25	18	90	5	IV	CUS / 54	20	D,E	F-185	W-12
225	760/0.6	16	22	28	40	6	45	12	25	18	100	5	IV	CUS / 213	10	D,E	F-240	W-16
225	760/0.6	11	22	28	40	6	45	12	22	15	130	5	V	CUS / 214	10	D,E	F-240	W-16
225	760/0.6	11	22	28	40	6	45	12	25	18	100	5	IV	CUS / 71	10	D,E	F-240	W-16
270	950/0.6	11	26	32	40	6	55	12	24	15	142	5	VIII	CUS / 215	10	E	F-270	W-17
270	950/0.6		26	30							70		VI	CUS / 72	10	E	F-270	W-16
475	1680/0.6	11	36.5	46.1	50	9.6	75	15	24	15	165	5	VIII	CUS / 74	5	E	F-475	W-18
475	1680/0.6	22	36.5	46.1	50	9.6	75	15	33	22	145	5	IV	CUS / 73	5	E	F-475	W-18
475	1680/0.6	11	36.5	46.1	50	9.6	75	15	33	22	145	5	IV	CUS / 75	5	E	F-475	W-18

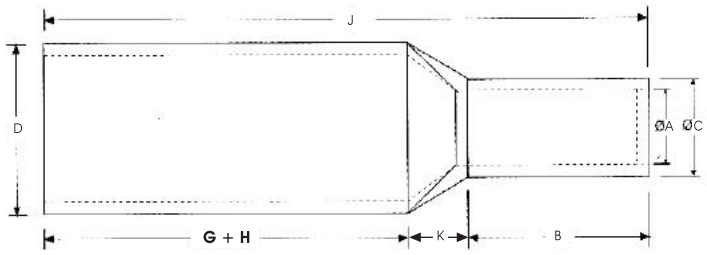
MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

COPPER TUBULAR EXTENDED PALM BLANKS FOR SOLDERLESS CRIMPING TO COPPER / ALUMINIUM CONDUTORS

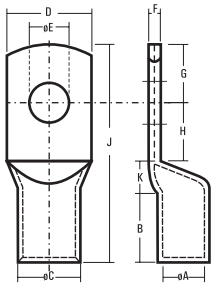
MATERIAL : E. C GRADE COPPER IS -191 TOLERANCE : ± 5%

MATERIAL : ELECTROLYTIC ALUMINIUM IS -5082 TOLERANC



Area mm²	A	C	D	F	B	K	G+H	J	Marking Dowell's	Dowell's Cat No.	Retail Packing	Recommendation		
												Crimping Tool	Forming Die	Crimping Die
50	9.5	12.4	18	2.9	18	6	42	64	50 S, 35 F	CUS 466	100	B, D, E	F-50	D-5
70	11.2	14.7	21	3.5	16	7	50	75	70 S, 50 F	CUS 467	50	B, D, E	F-70	D-6
95	13.5	17.4	25	3.9	20	9	52	81	95 S, 70 F	CUS 468	50	B, D, E	F-95	D-7
120	15.0	19.4	28	4.4	22	10	56	88	120 S, 95 F	CUS 469	30	D, E	F-120	D-8
150	16.5	21.2	30	4.7	26	11	64	101	150 S, 120 F	CUS 470	20	D, E	F-150	D-9
185	18.5	23.5	34	5.0	32	12	68	112	185 S, 150 F	CUS 471	20	D, E	F-185	D-10
240	21.0	26.5	38	5.5	38	14	80	132	240 S, 185 F	CUS 472	10	D, E	F-240	D-11
300	23.5	30.0	43	6.5	42	15	88	145	300 S, 240 F	CUS 473	10	D, E	F-300	D-12
400	28.5	36.5	53	8.0	44	18	104	166	400 S, 300 F	CUS 474	5	E	F-400	D-13
500	30.0	39.0	56	9.0	48	20	112	180	500 S, 400 F	CUS 475	5	E	F-500	D-14
625	35.0	45.0	65	10.0	56	22	132	210	625 S, 500 F	CUS 476	5	E	F-625	D-15

FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS REF : I.C.F.



MATERIAL - COPPER IS : 191
Finish - Electro Tinned

Crimping tool abbreviation
A = KOP E=SYE 150A
B=BRD D=SYD 20A

TOLERANCE =± 5%

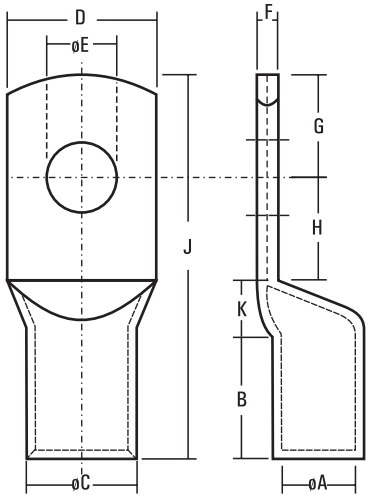
Area mm²	E	A	C	D	F	B	K	H	G	J	Dowell's Cat No.	Retail Packing	Recommendation		
													Crimping Tool	Forming Die	Crimping Die
11-17	5.2	6.0	8.5	11.9	2.5	14	3	10	6	33	CUS 106	200	B, D	FSD-25	W -13
11-17	6.5	6.0	8.5	11.9	2.5	14	3	10	6	33	CUS 145	200	B, D	FSD-25	W -13
11-17	8.2	6.0	8.5	16.0	1.7	14	3	11	9	37	CUS 146	200	B, D	FSD-25	W -13
11-17	10.2	6.0	8.5	16.0	1.7	14	3	11	9	37	CUS 109	200	B, D	FSD-25	W -13
11-23	5.2	7.1	10.2	14.3	3.1	18	4	10	7	39	CUS 107	100	B, D	F-25	W -5
11-23	6.5	7.1	10.2	14.3	3.1	18	4	10	7	39	CUS 147	100	B, D	F-25	W -5
17-23	8.2	7.1	10.2	14.3	3.1	18	4	10	7	39	CUS 148	100	B, D	F-25	W -5
17-23	10.2	7.1	10.2	19.0	2.2	18	4	12	10	44	CUS 108	100	B, D	F-25	W -5
23-29	5.2	8.0	11.7	16.3	3.7	18	4	11	8	41	CUS 110	100	B, D	F-35	W -6
23-29	6.5	8.0	11.7	16.3	3.7	18	4	11	8	41	CUS 149	100	B, D	F-35	W -6
23-29	8.2	8.0	11.7	16.3	3.7	18	4	11	8	41	CUS 150	100	B, D	F-35	W -6
23-29	10.2	8.0	11.7	20.0	2.8	18	4	14	11	47	CUS 151	100	B, D	F-35	W -6
23-29	13.0	8.0	11.7	20.0	2.8	18	4	14	11	47	CUS 111	100	B, D	F-35	W -6
29-45	5.2	9.8	13.7	19.3	3.9	18	5	10	10	43	CUS 116	100	B, D	F-50	W -14
29-45	6.5	9.8	13.7	19.3	3.9	18	5	10	10	43	CUS 152	100	B, D	F-50	W -14
29-45	8.2	9.8	13.7	19.3	3.9	18	5	10	10	43	CUS 153	100	B, D	F-50	W -14
29-45	10.2	9.8	13.7	19.3	3.9	18	5	10	10	43	CUS 154	100	B, D	F-50	W -14
29-45	10.2	9.8	13.7	22.0	3.2	18	5	14	11	48	CUS 113	100	B, D	F-50	W -14

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

dowell's®

FOR SOLDERLESS CRIMPING TO COPPER CONDUCTORS
REF : I.C.F.



MATERIAL - COPPER IS : 191
Finish - Electro Tinned

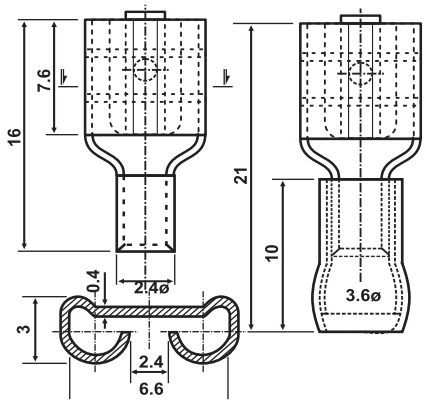
Crimping tool abbreviation
A = KOP E=SYE 150A
B=BRD D=SYD 20A

TOLERANCE =± 5%

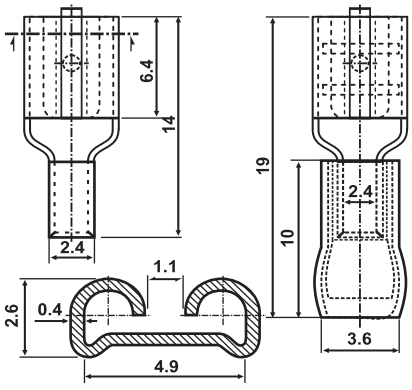
Area mm²	E	A	C	D	F	B	K	H	G	J	Dowell's Cat No.	Retail Packing	Recommendation		
													Crimping Tool	Forming Die	Crimping Die
45-57	6.5	11.1	15.8	22.2	4.7	24	6	15	11	56	CUS 112	50	B, D	F-70	W -19
45-57	8.2	11.1	15.8	22.2	4.7	24	6	15	11	56	CUS 155	50	B, D	F-70	W -19
45-57	10.2	11.1	15.8	22.2	4.7	24	6	15	11	56	CUS 156	50	B, D	F-70	W -19
45-57	13.0	11.1	15.8	22.2	4.7	24	6	15	11	56	CUS 157	50	B, D	F-70	W -19
57-75	6.5	12.6	17.8	25.0	5.2	24	6	15	13	58	CUS 114	50	D, E	F-95	W -15
57-75	8.2	12.6	17.8	25.0	5.2	24	6	15	13	58	CUS 158	50	D, E	F-95	W -15
57-75	10.2	12.6	17.8	25.0	5.2	24	6	15	13	58	CUS 159	50	D, E	F-95	W -15
57-75	13.0	12.6	17.8	25.0	5.2	24	6	15	13	58	CUS 160	50	D, E	F-95	W -15
75-90	6.5	13.7	19.1	26.9	5.4	24	6	16	13	59	CUS 137	50	D, E	F-95	W -10
75-90	8.2	13.7	19.1	26.9	5.4	24	6	16	13	59	CUS 161	50	D, E	F-95	W -10
75-90	10.2	13.7	19.1	26.9	5.4	24	6	16	13	59	CUS 162	50	D, E	F-95	W -10
75-90	13.0	13.7	19.1	26.9	5.4	24	6	16	13	59	CUS 163	50	D, E	F-95	W -10
90-110	6.5	15.3	20.9	29.6	5.6	24	6	17	15	62	CUS 115	30	D, E	F-150	W -11
90-110	8.2	15.3	20.9	29.6	5.6	24	6	17	15	62	CUS 164	30	D, E	F-150	W -11
90-110	10.2	15.3	20.9	29.6	5.6	24	6	17	15	62	CUS 165	30	D, E	F-150	W -11
90-110	13.0	15.3	20.9	29.6	5.6	24	6	17	15	62	CUS 166	30	D, E	F-150	W -11
110-146	8.2	17.5	24	34	6.5	29	7	18	17	71	CUS 138	20	D, E	F-185	W -12
110-146	10.2	17.5	24	34	6.5	29	7	18	17	71	CUS 167	20	D, E	F-185	W -12
110-146	13.0	17.5	24	34	6.5	29	7	18	17	71	CUS 168	20	D, E	F-185	W -12
110-146	17.0	17.5	24	34	6.5	29	7	18	17	71	CUS 169	20	D, E	F-185	W -12
146-183	10.2	19.8	26.9	38.2	7.1	29	8	21	18	76	CUS 128	20	D, E	F-225	W -16
146-183	13.0	19.8	26.9	38.2	7.1	29	8	21	18	76	CUS 170	20	D, E	F-225	W -16
146-183	17.0	19.8	26.9	38.2	7.1	29	8	21	18	76	CUS 171	20	D, E	F-225	W -16
183-225	10.2	21.9	29.7	42.2	7.8	29	9	24	21	83	CUS 139	10	D, E	F-240	W -17
183-225	13.0	21.9	29.7	42.2	7.8	29	9	24	21	83	CUS 172	10	D, E	F-240	W -17
183-225	17.0	21.9	29.7	42.2	7.8	29	9	24	21	83	CUS 173	10	D, E	F-240	W -17
183-225	21.0	21.9	29.7	42.2	7.8	29	9	24	21	83	CUS 174	10	D, E	F-240	W -17
225-299	13.0	25.4	34	48.5	8.6	29	10	26	24	89	CUS 140	10	E	F-270	W -20
225-299	17.0	25.4	34	48.5	8.6	29	10	26	24	89	CUS 175	10	E	F-270	W -20
225-299	21.0	25.4	34	48.5	8.6	29	10	26	24	89	CUS 176	10	E	F-270	W -20
299-366	13.0	28.0	37.6	53.6	9.6	38	11	29	26	105	CUS 141	5	E	F-400	W -18
299-366	17.0	28.0	37.6	53.6	9.6	38	11	29	26	105	CUS 177	5	E	F-400	W -18
299-366	21.0	28.0	37.6	53.6	9.6	38	11	29	26	105	CUS 178	5	E	F-400	W -18
366-437	13.0	30.5	41.7	59.1	11.2	38	12	32	29	111	CUS 142	5	E	F-500	W -21
366-437	17.0	30.5	41.7	59.1	11.2	38	12	32	29	111	CUS 179	5	E	F-500	W -21
366-437	21.0	30.5	41.7	59.1	11.2	38	12	32	29	111	CUS 180	5	E	F-500	W -21

MATERIAL -EC GRADE COPPER IS -191 TOLERANCE=± 5% FINISH : ELECTRO TINNED

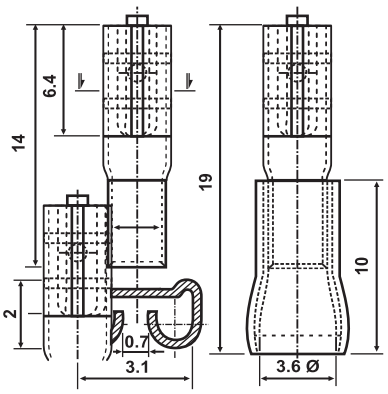
WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT



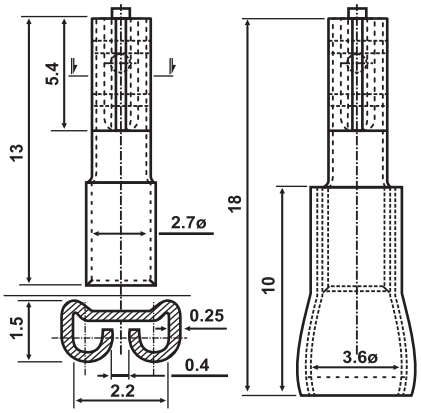
Cat. No. 8351 Cat. No. 8352



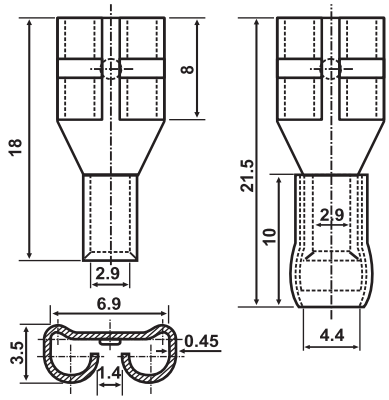
Cat. No. 8358 Cat. No. 8359



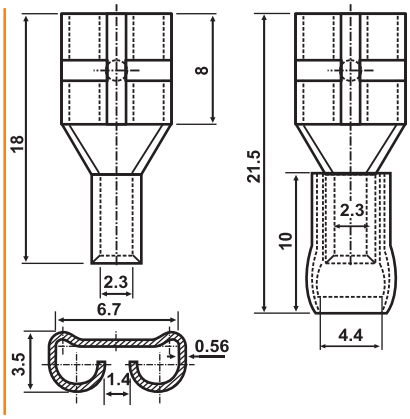
Cat. No. 8324 Cat. No. 8325



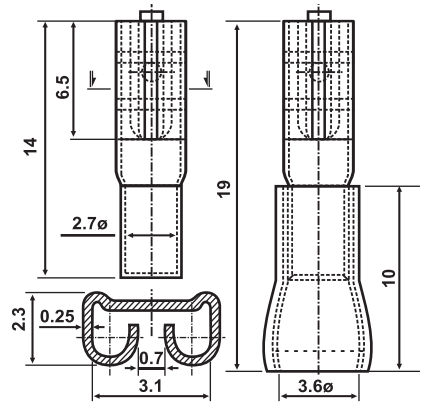
Cat. No. 8354 Cat. No. 8355



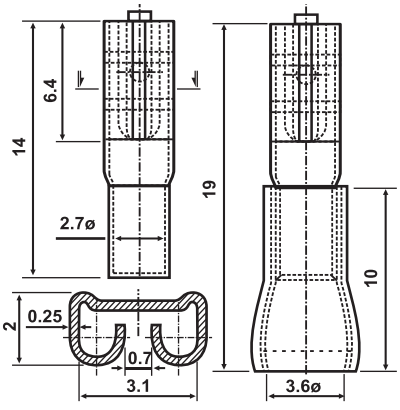
Cat. No. 8366 Cat. No. 8474



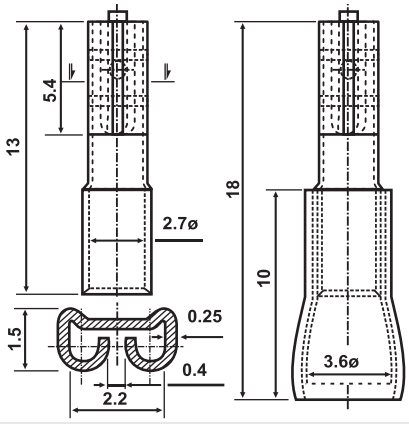
Cat. No. 8365 Cat. No. 8475



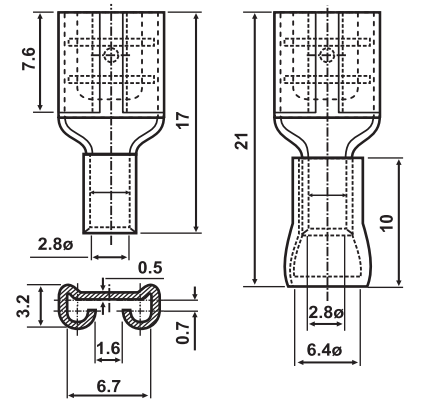
Cat. No. 8245 Cat. No. 8331



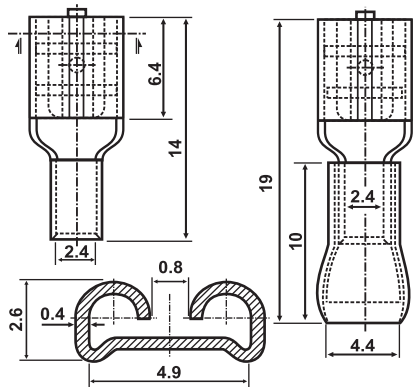
Cat. No. 8336 Cat. No. 8362



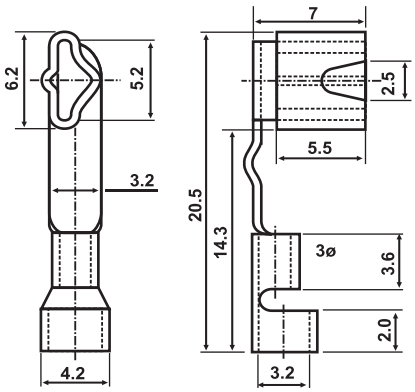
Cat. No. 8356 Cat. No. 8357



Cat. No. 8347 Cat. No. 8476



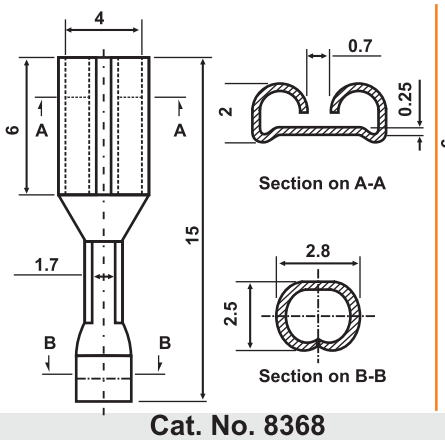
Cat. No. 8197 Cat. No. 8353



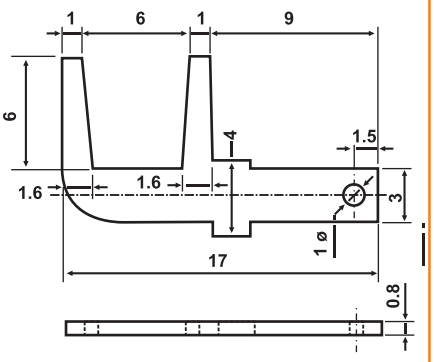
Cat. No. 8477

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

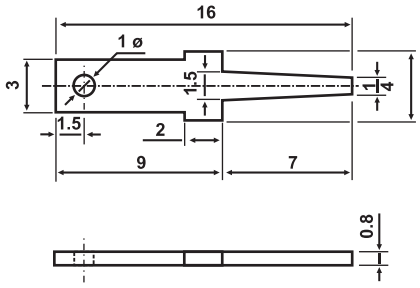
MATERIAL -BRASS TOLERANCE=± 5%



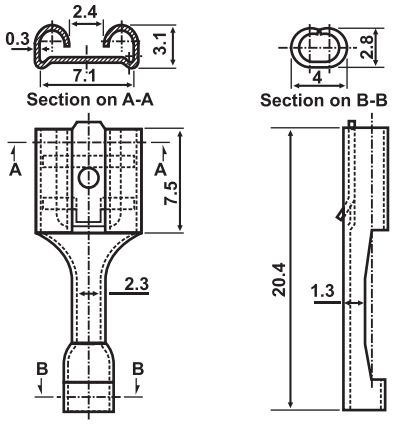
Cat. No. 8368



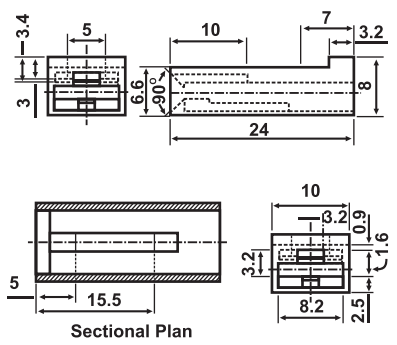
Cat. No. 8370



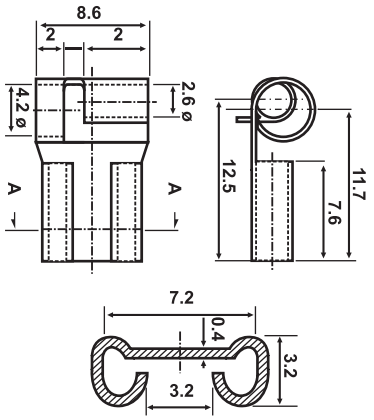
Cat. No. 8369



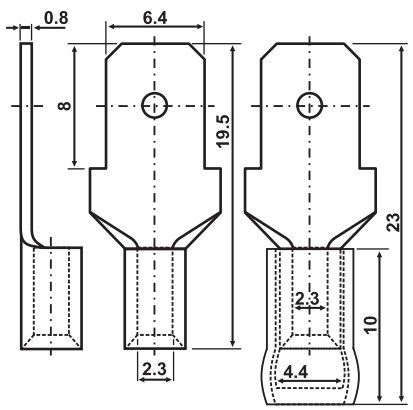
Cat. No. 8364



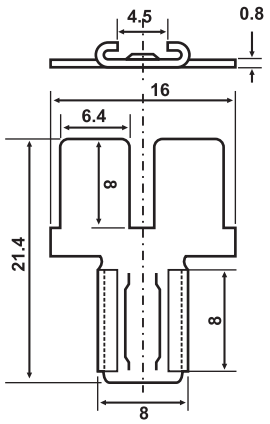
Cat. No. 8367



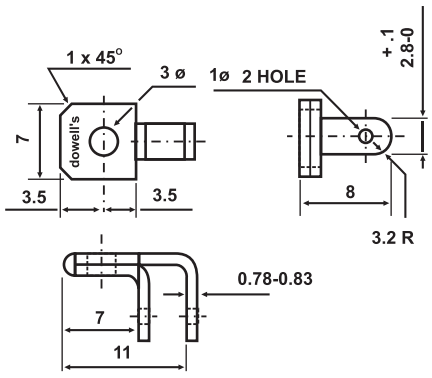
Cat. No. 8178



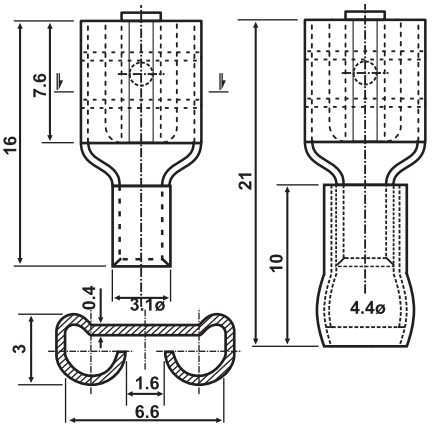
Cat. No. 8363 / Cat No. 8473



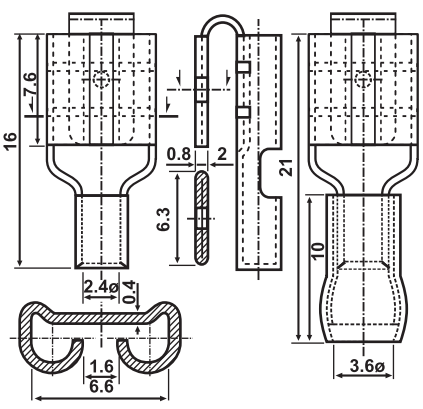
Cat. No. 8346



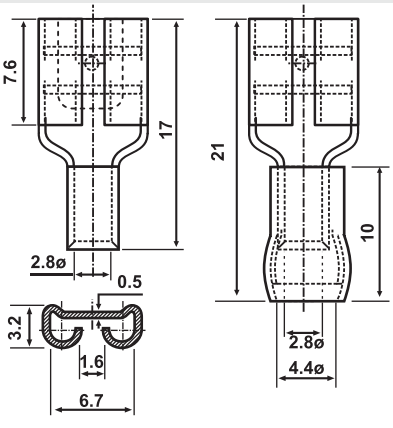
Cat. No. 8214



Cat. No. 8349 / Cat No. 8350



Cat. No. 8360 / Cat No. 8361



Cat. No. 8347 / Cat No. 8348

WE RESERVE THE RIGHTS AT ANY TIME TO MAKE ANY SPECIFICATION OR DIMENSIONAL CHANGES DEEMED NECESSARY TO ENSURE ADVANCEMENT IN THE DESIGN OR MANUFACTURE OF ANY PRODUCT

MATERIAL -BRASS TOLERANCE=± 5%

SYT-17



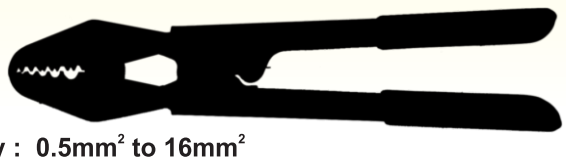
Capacity : 1.5mm² to 4-6mm²
Special Features : Non-Insulated terminations with inter locking arrangement and releasing system.

SYT-427



Capacity : 1.5mm² to 10mm²
Special Features : Non-insulated terminations with inter locking, arrangement and releasing system.

SYT-2



Capacity : 0.5mm² to 16mm²
Special Features : Non-Insulated terminations with inter locking arrangement and releasing system.

SYT-185
(12 set of ring dies)



Capacity : 10mm² to 185mm²
Special Features : Changeable ring types of dies from R1 to R13.



SYG - 2622 - 0.75 mm²
SYG - 2216 - 1.5 mm²
SYG - 1614 - 2.5 mm²
(Insulated/ Pre-Insulated)

SYT-400



Capacity : 25mm² to 400mm²
Special Features : Hand operated crimping system with hexagonal dies.

SYI-1210/ SYO-1210
(Insulated/ Pre- Insualted)



Capacity : 4mm² - 6mm²

SYT-52M
(For end sealing ferrules)



Capacity : 0.5mm² to 6mm²
Special Features : Insulated terminations with inter locking arrangement and releasing system.

SYB-95 (R-1 to R-10)
(R-8 Die is not available)
(9 Set Ring Dies)



Capacity : 10mm² to 95mm²

SYT-1546
(Insulated)



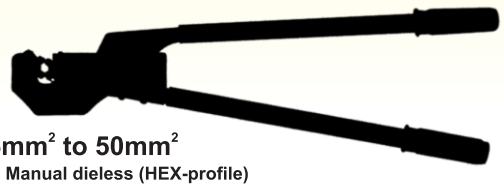
Capacity : 1.5mm² to 4-6mm²
Special Features : Insulated terminations with inter locking arrangement and releasing system.

SYB-9502 (R-1 to R-13)
(R-8 Die is not available)
(12 Set Ring Dies)



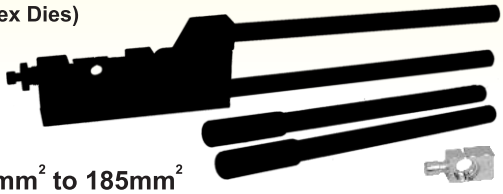
Capacity : 10mm² to 185mm²

SYT-9
(Dieless)



Capacity : 6mm² to 50mm²
Special Features : Manual dieless (HEX-profile) rotating range for aluminium terminations.

SYB-9502 H
(RH-1 to RH-13 Hex Dies)



Capacity : 10mm² to 185mm²

SYT-50
(Dieless)



Capacity : 16mm² to 50mm²
Special Features : Hand operated crimping tool

✶ In the View of Continuos Developments We Reserve the right to modify the Design & Dimensions without Notice
✶ We Design Specific Crimping tools and Dies as per Job Specifications.

SYT-53 M
(End sealing terminal)



Capacity : 10mm² to 35mm²
Special Features : For End Sealing Ferrules Insulated & Non- Insulated

SYD-20C



Capacity : 10mm² to 300mm²
Special Features : Hand operated hydraulic tool with trolly arrangement

SYT-11
(Snap on terminal)



Capacity : 1.5mm² to 4.6mm²
Special Features : Self Locking & releasing Mechanism, Suitable for Non-Insulated Snap on Terminals.

SYE-150A
(R11 to R18)



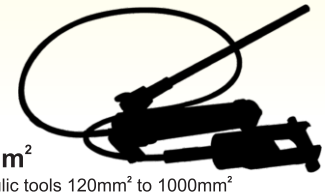
Capacity :10mm² to 1000mm²
Special Features :
Hand operated hydraulic crimping system with 8 set of ring dies

SYT- 6-6
(End sealing ferrules)



Capacity : 0.25mm² to 6mm²
Special Features :
Self adjusting Crimping tools For end sealing ferrules

SYE-150B
(10 set of Hex Dies)



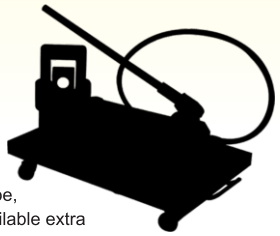
Capacity : 10mm² to 1000mm²
Special Features : Hand operated hydraulic tools 120mm² to 1000mm² cable with 10 to 95 dies shall be charges extra.

SYT- 16-4
(End sealing ferrules)



Capacity : 6mm² to 16mm²
Special Features : Self adjusting crimping tools For end sealing ferrules

SYE-150C
(R 11 to R-16)



Capacity : 10mm² to 1000mm²
Special Features : Hand operated hydraulic changeable ring dies forming dies, W-type, D- type, P- type, T- type, H/RH- type dies also available extra

SYT-1547
(Insulated terminal)



Capacity : 1.5mm² to 4-6mm²
Special Features : Crimping machine for pre-insulated type terminals

SYT- 102 R
(Foot Operated)
(11 set of Hex Dies)



Capacity : 50mm² to 630mm²
Special Features : Easy carry light weight crimping modified head with foot operated hydraulic pump. flip Head (Hexagonal Dies)

SYT-113



Capacity : 25mm² to 240mm²
Special Features : Flip type head

SYD-20 A
(R 11 to R-16)



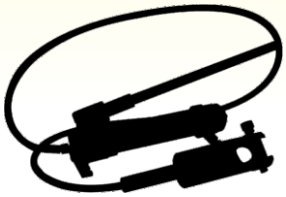
Capacity : 10mm² to 300mm²
Special Features : Hand operated hydraulic changeable ring dies forming dies, W-type, D- type, P- type, T- type, H/RH- type dies also available extra

SYT-7



Capacity : 25mm² to 400mm²
Special Features : Gearpowered Changeable Regular hex dies with interlocking releasing system

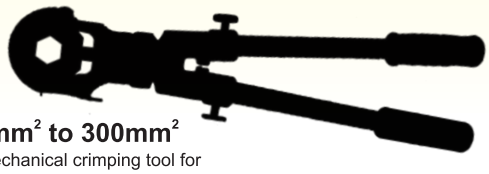
SYD-20 B
(8 Set of Hex Dies)



Capacity : 50mm² to 400mm²
Special Features : Hand operated hydraulic changeable Changeable hexagonal dies

✶ In the View of Continuos Developments We Reserve the right to modify the Design & Dimensions without Notice
✶ We Design Specific Crimping tools and Dies as per Job Specifications.

SYM-300



Capacity : 16mm² to 300mm²
Special Features : Mechanical crimping tool for tubular cable lug & connector crimping hexagonal crimping with telescopical handle

SYT-104
(with hexagonal dies)



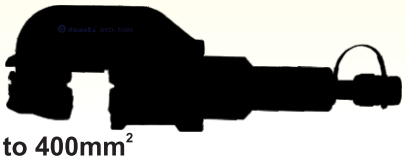
Capacity : 50mm² to 400mm²
Special Features : Flip type head

SYHX-150
(Dieless)



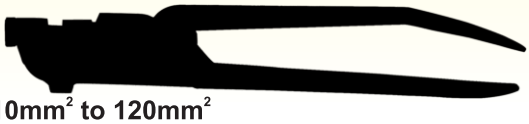
Capacity : 10mm² to 150mm²
Hand Crimping Tool

SYO- 510H



Capacity : 50mm² to 400mm²
Special Features : Hydraulic crimping head, ram stroke 38mm with hexagonal die set

SYB-120
(Dieless)



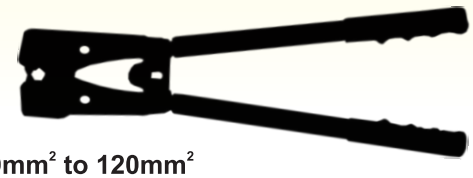
Capacity : 10mm² to 120mm²
Special Features : For non - Insulated Terminal from 10-120 mm² with Moveable and Revolving Die Non-Insulated Ring Terminal Range - 10-120 Copper Tube Terminal Range 10-120 mm²

SPO-400H



Capacity : 50mm² to 400mm²
Special Features :
Hydraulic Crimping Head Flip type head

SYHX-120



Capacity : 10mm² to 120mm²
Special Features : Rotating Dies

SYT-110
(Dieless)
16mm²-400mm²



Flip Type / Portable / Hand Operated Hydraulic Crimping Tools
Slim Design, Light Weight, Faster Lighter Tools

SYT-107 / SYT - 108 (with hexagonal dies)
(10 to 120mm²) (16 to 300mm²)



Special Features : New versatile head, light weight faster perfect crimping

CTE-25 AS



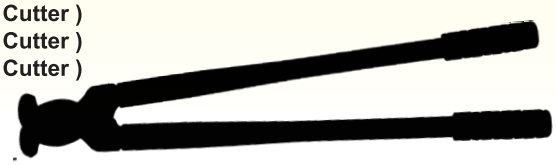
Capacity :
Max pressure 700 kg. / cm²
Special Features : Electrically Operated Pump
Voltage 220 & 50/ Hz storage oil 4 ltr. wt. 15.2 kg.

SYT-109
(with hexagonal dies)



Capacity : 50mm² to 400mm²
Special Features : Hand operated hydraulic crimping tool

SYT - 120 - (Cutter)
SYT - 240 - (Cutter)
SYT - 500 - (Cutter)



Capacity : 120mm² to 240mm² to 500mm²
Special Features : Machanical cable cutter for cutting copper & aluminium cable

SYT-106
(with hexagonal dies)



Capacity : 16mm² to 300mm²
Special Features : Hand operated hydraulic crimping tool

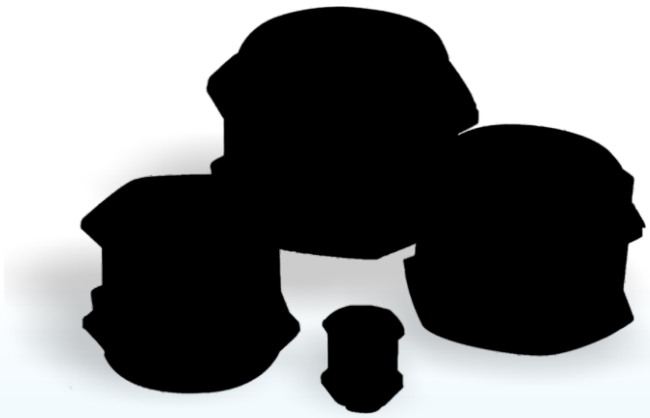
SYXL-240

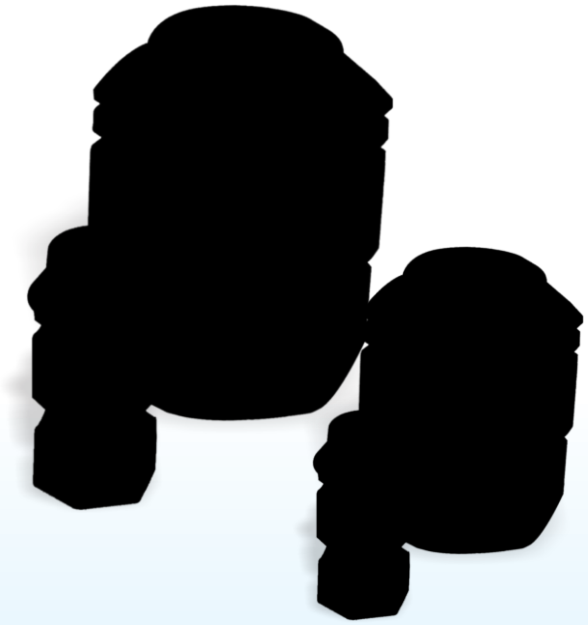


Capacity : Upto 240mm²
Special Features : Machanical cable cutter for XLPE Cables

✶ In the View of Continuos Developments We Reserve the right to modify the Design & Dimensions without Notice
✶ We Design Specific Crimping tools and Dies as per Job Specifications.

Suitable For Cable Overall Diameter		Double Compression Brass Cable Glands			
		Weather proof (DBW)		Flame Proof (DBF)	
Description OD (mm)	Nipple ET Thread	Code	Box Pkg.	Code	Box Pkg.
6.0 - 12.0	3/4"	DBW01SS	35	DBF01SS	35
12.0 - 16.5	3/4"	DBW01S	35	DBF01S	35
16.5 - 18.5	3/4"	DBW01	25	DBF01	25
16.5 - 18.5	1"	DBW01A	20	DBF01A	20
18.5 - 20.0	1"	DBW02	18	DBF02	18
18.5 - 20.0	3/4"	DBW02A	18	DBF02A	18
20.0 - 23.0	1"	DBW03	18	DBF03	18
23.0 - 26.0	1"	DBW04	12	DBF04	12
23.0 - 26.0	1 1/4"	DBW04A	12	DBF04A	12
26.0 - 30.0	1 1/4"	DBW05	10	DBF05	10
26.0 - 30.0	1 1/2"	DBW05A	10	DBF05A	10
30.0 - 33.0	1 1/2"	DBW06	8	DBF06	8
30.0 - 33.0	1 1/4"	DBW06A	8	DBF06A	8
33.0 - 37.0	1 1/2"	DBW07	6	DBF07	6
37.0 - 41.0	2"	DBW08	5	DBF08	5
41.0 - 46.0	2"	DBW09	5	DBF09	5
46.0 - 52.0	2"	DBW010	3	DBF010	3
46.0 - 52.0	2 1/2"	DBW010A	3	DBF010A	3
52.0 - 61.0	2 1/2"	DBW011	2	DBF011	2
61.0 - 66.0	3"	DBW012	2	DBF012	2
66.0 - 72.0	3"	DBW013A	1	DBF013A	1
72.0 - 78.0	3 1/4"	DBW013	1	DBF013	1
78.0 - 84.0	3 1/2"	DBW014	1	DBF014	1
84.0 - 94.0	4"	DBW015	1	DBF015	1
94.0 - 104.0	4 1/2"	DBW016	1	DBF016	1





DOWELL'S SINGLE COMPRESSION TYPE BRASS CABLE GLAND DULY NICKLE PLATED				
HEAVY DUTY SERIES			SIBG SERIES	
Gland Size Inch	mm.	Box Packing	Gland Size	Box Packing
1/2"	12	128	1616	96
5/8"	16	135	1619	96
3/4"	19	105	2119	54
7/8"	22	84	2125	54
1"	25	54	2925	24
1 1/8"	28	30	2932	24
1 1/4"	32	24	2938	12
1 3/8"	35	24	3638	12
1 1/2"	38	16	4251	8
1 3/4"	45	12	5451	6
2"	50	10	5463	5
2 1/4"	57	6	6063	4
2 1/2"	63	4	6675	4
2 3/4"	70	4	7882	3
3"	75	4		
3 1/4"	82	3		
3 1/2"	88	3		
4"	100	1		
4 1/2"	110	1		