



Cable Clamping & Identification





About us



Speedwell Technologies Pvt. Ltd. is Certified to Prestigious International Standards for Quality Management System, Environment Management System and Occupational Health and Safety Management System.

ISO 9001 : 2008 | ISO 14001 : 2004 | OHSAS 18001 : 2007

Since 1982, Speedwell Industries and now known as Speedwell Technologies Pvt. Ltd. has earned the reputation as Manufacturer of quality electrical components of Bronze, Copper, Brass, Stainless Steel and Aluminum especially for Grounding, Lightning, Protection, Cable Management Solution & Power Distribution system.

Our three production plants produce over 1200 product variants, ranging in various sizes of components that weigh few grams to a single casting weighing over 10 kgs. We are able to produce world's best non-ferrous casting components with prompt verification of new design and repeated product performance.

VALUE PROPOSITION:

Quality:

Speedwell fulfils all regulations set by international standard agencies regarding the design and performance of products and accessories for Grounding, Lightning, Protection Components, Cable Clamping & Identification system. In addition to performance, great attention is also paid to our product's ecological footprint. Some of the ranges that carry UL, CSA, BS/EN, IEEE, RoHS, and REACH approvals.

Offering:

We offer comprehensive range of cable management solutions & Lightning Protection Solutions.

Service and Support:

At Speedwell we believe in sharing our knowledge with our business partners, so as, we can make a properly informed decision. We help to identify the protection you do (and don't) need. Our technical support team, engineers and overseas support executives and distributors world wide ensure proper service & support, address queries if any on time .

Customer De-Light:

At Speedwell we believe in total customer satisfaction.

We are a customer driven company and our customer is on utmost priority, which is reflected in our Product, Service and Support. Speedwell continues to seek new and innovative ways to manufacture products through our continuous efforts of upgrading equipment, employee training and internal quality assurance in our quest to deliver the best products within the market place to our customers.

Value for money pricing:

Over and above, our pricing is very competitive when we map it with the value it offers to the end customer as well as to you.

Longevity of Relationship:

We believe in lasting relationship with our business partners and look forward to grow together making & sustaining our association with your esteemed organization.

Quality Approval Certificates:





OIL & GAS



PETROCHEM



POWER STATION



REFINERY



RENEWABLE ENERGY



RAILWAYS



TELECOMMUNICATION



POLE & SIGN MOUNTING



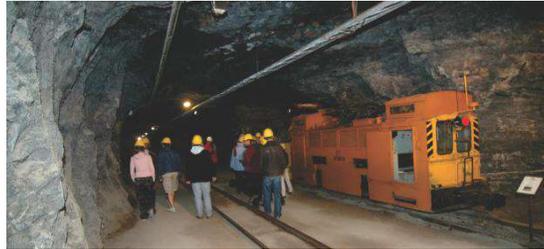
TRANSPORTATION



TUNNELS AND BRIDGES



PUBLIC BUILDINGS



MINING



CONSTRUCTION

Index

PRODUCT CATEGORY	PARTICULARS	PAGE
Cable Cleats (Aluminium)	Aluminium Single Bolt Cable Cleat - Claw Type	04
	Aluminium Single Bolt Cleat - Trefoil Type	05
	Aluminium Single Bolt Cable Cleat - Strap Type	06
	Aluminium Double Bolt Cable Cleat-Regular Type	07
	Aluminium Double Bolt Cleat - Trefoil Type	08
Cable Cleats (Polyethylene)	Polyethylene Single & Double Bolt Cable Cleat-Regular Type	09
	Polyethylene Double Bolt Cable Cleat- Multifix & Trefoil Type	10
Fire Cable Clips & Saddles	Fire Cable Clips & Saddles for Mineral Insulated & Fire performance cables.	11



- BSCO offers wide range of critical cable clamping/fixing accessories designed in accordance with IEC 61914:2009 to ensure the safety of personnel, the protection of the cable management system and the operating environment.
- Engineered for UV, weather resistance applications.
- Easy to install

Products designed as per IEC 61914:2009 and engineered to UV, weather resistance applications and easy to install.

- Aluminium Cable Cleats
- LSF/Non LSF Cable Cleats.

Other Clamping Accessories:

- LSF/Non LSF Cable Saddles and Clips.
- UV Protected Cable Tie.
- Various Insulated Terminals

Technical Data

LM6 Aluminium Casting Alloy (AL-Si12) to BS 1490:1988

Chemical Composition		
		Euro Alloy EN 1706 AC-44100
Copper	0.1 Max	0.15 (0.10)
Magnesium	0.1 Max	0.10
Silicone	10.0-13.0	10.5-13.5
Iron	0.6 Max	0.65 (0.55)
Manganese	0.5 Max	0.55
Nickel	0.1 Max	0.10
Zinc	0.1 Max	0.15
Lead	0.1 Max	0.10
Tin	0.05 Max	-
Titanium	0.2 Max	0.20 (0.15)
Aluminium	Remainder	Remainde

Mechanical Properties			
	Sand Cast	Chill Cast	Chill Cast
0.2% Proof Stress (N/mm ²)*	60-70	70-80	70-80
Tensile Stress (N/mm ²)*	160-190	190-230	190-230
Elongation (%)*	5-10	7-15	7-15
Impact Resistance. Izod (Nm)	6.0	9.0	9.0
Brinell Hardness Number	50-55	55-60	55-60
Endurance Limit (5x10 ⁷ cycles +/-N/mm ²)	51	68	68
Modulus of Elasticity (x10 ³ N/mm ²)	71	71	71

* The values shown are typical for sand and chill cast bars produced to the requirements of BS1490 or diecast 6mm diameter test bars.

Strength at Elevated Temperatures

Tensile strength and hardness decrease fairly regularly with increasing temperature and become relatively poor at temperatures of the order of 150 °C.

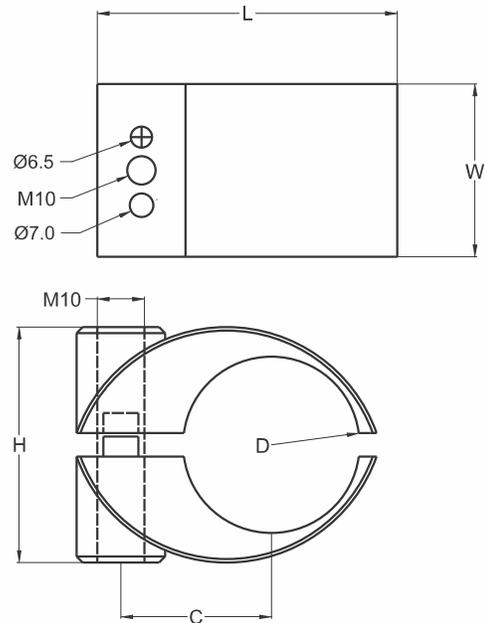
Physical Properties	
Coefficient of Thermal Expansion (per °C at 20 - 30 °C)	0.0000020
Thermal Conductivity (cal/cm ² /°C /sec at 20 °C)	0.34
Electrical Conductivity (% copper standard at 20 °C)	37
Solidification Shrinkage (approx. %)	3.7
Speciic Gravity	2.65
Freezing Range (approx. °C)	565-575

Features :

- Claw Type Cable cleats are used for fixing, supporting & securing cables and protecting cables from short circuit faults.
- Single Way Cable Cleat are designed for ease for stacking.
- Claw Type Cable Cleat can be directly fixed onto channel or ladder support structures without any additional adaptor plates or packing support.

Technical Information :

- Suitable for use with Cables from Diameter 10mm to 51mm.
- Two piece, Single Bolt Fixing Design.
- Can be stacked to a maximum of 3 in one fixing.
- Temperature range : -60°C to +120°C.
- Manufactured from Aluminium alloy - LM6 Grade.



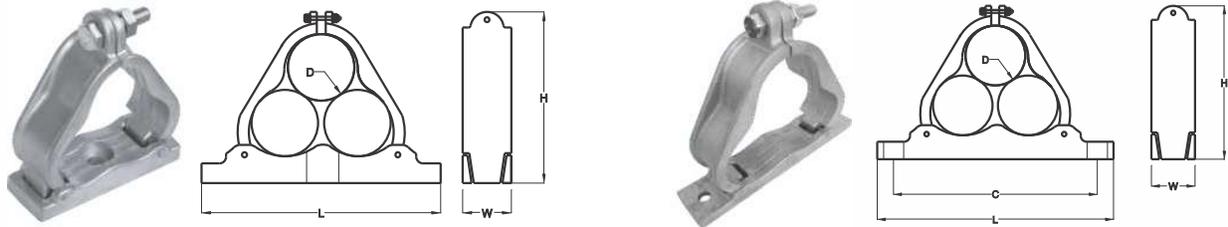
Part No.	Cable Diameter		Dimension (mm)				FIXING HOLE
	D (mm)		H	L	C	W	
	Min	Max					
ASC-10-13	10	13	21	38	16	46	M10
ASC-13-16	13	16	21	38	16	46	M10
ASC-16-19	16	19	24	41	18	46	M10
ASC-19-22	19	22	27	44	19	46	M10
ASC-22-25	22	25	30	48	21	46	M10
ASC-25-32	25	32	37	54	24	46	M10
ASC-32-38	32	38	43	60	27	46	M10
ASC-38-44	38	44	49	67	30	46	M10
ASC-44-51	44	51	56	73	34	46	M10

Features :

- Cable cleats are used for fixing, supporting & securing cables and protecting cables from short circuit faults.
- Trefoil cable cleats are suitable for installing three single core cables in trefoil formation, with single bolt fixing arrangement feature.
- Suitable for cables in trefoil groups.
- Can be used with all types of cable routes.

Technical Information :

- Suitable for use with Cables from Diameter 15mm to 73mm in Trefoil Groups.
- Available as either Single or Double bolt fixing design.
- Temperature range : -60°C to +120°C.
- Manufactured from Aluminium alloy - LM6 Grade.



Part No.	Cable Diameter		Dimensions (mm)				
	D (mm)		H	W	Single Fixing	Two Fixing	
	Min	Max			L	L	C
AST-24-25	24	25	94	38	75	128	102
AST-25-27	25	27	97	38	75	128	102
AST-27-28	27	28	100	38	75	128	102
AST-28-30	28	30	103	38	76	130	104
AST-30-32	30	32	105	38	79	133	107
AST-32-34	32	34	106	38	83	135	109
AST-34-35	34	35	109	38	86	137	110
AST-35-36	35	36	113	38	89	138	113
AST-36-38	36	38	116	38	92	140	114
AST-38-40	38	40	119	38	95	145	118
AST-40-41	40	41	122	38	99	147	121
AST-41-43	41	43	124	38	105	149	123
AST-43-44	43	44	127	38	108	150	124
AST-44-46	44	46	130	38	112	154	128
AST-46-48	46	48	133	38	114	156	129
AST-48-49	48	49	137	38	118	159	133
AST-49-51	49	51	140	38	121	165	135
AST-51-53	51	53	143	38	124	165	137
AST-53-54	53	54	146	38	127	172	141
AST-54-55.5	54	55.5	155	44	133	183	152
AST-55.5-57	55.5	57	158	44	137	187	155
AST-57-59	57	59	160	44	141	189	157
AST-59-60	59	60	163	44	145	191	160
AST-60-62	60	62	165	44	148	194	162
AST-62-63.5	62	63.5	168	44	152	196	165
AST-63.5-65	63.5	65	172	44	156	199	168
AST-65-66.5	65	66.5	176	44	160	202	170
AST-66.5-68	66.5	68	178	44	164	205	173
AST-68-70	68	70	181	44	168	208	176
AST-70-71.5	70	71.5	187	44	171	215	183
AST-71.5-73	71.5	73	190	44	175	217	186
AST-73-74.5	73	74.5	193	44	179	220	188
AST-74.5-76	74.5	76	197	44	183	222	191

Note : Replace AST with ADT for ordering Double Bolt type Trefoil Cable Cleat.

Features :

- Cable Cleats are used for fixing, supporting & securing cables and protecting cables from Short Circuit Current.
- Complete with Aluminium alloy base and Non-Magnetic Stainless Steel Strap.
- Can be used for all types of cable routes.
- Bases available as either single or two fixing designs.
- Strap complete with a tensioning clip, securing pin, and winding key (all made of high corrosion resistant, non magnetic steel).

Technical Information :

- Suitable for overlapping ranges for single dia & Trefoil group.
- Multi type Cable Cleats are suitable for installing single core cables in trefoil formation, single multi-core cables and bundles of cables.
- Temperature range : -60°C to +120°C.
- Base Manufactured from Aluminium alloy - LM6 Grade & Strap - Non Magnetic Stainless Steel.



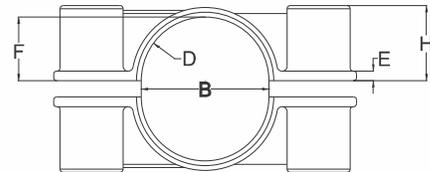
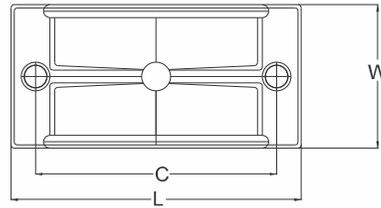
Part No.	Trefoil Cable Diameter		Single Cable Diameter	
	Maximum	Maximum	Maximum	Maximum
	(mm)	(mm)	(mm)	(mm)
ASTR-24-34	24	34	36	65
ASTR-30-41	30	41	60	85
ASTR-37-47	37	47	80	90
ASTR-43-54	43	54	85	110
ASTR-50-60	50	60	-	-
ASTR-56-67	56	67	-	-
ASTR-63-73	63	73	-	-
ASTR-69-80	69	80	-	-
ASTR-105-120	-	-	105	120
ASTR-78-112	78	112	-	-

Features :

- Cable cleats are used for fixing, supporting & securing cables and protecting cables from short circuit faults.
- Single Way Cable Cleat are designed for ease for stacking, the cleat can be directly fixed onto channel or ladder support structures, no additional adaptor plates or packing pieces being required.
- Can be used with all types of cable routes.
- Single or two fixing design are both available.
- Can be double stacked on common fixings.

Technical Information :

- Suitable for use with cables from Diameter 30mm to 135mm.
- Two piece double bolt fixing design.
- Temperature range : -60°C to +120°C.
- Manufactured from Aluminium alloy - LM6 Grade.



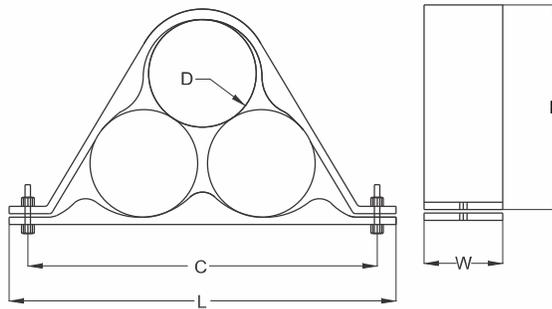
Part No.	Cable Diameter		Dimension (mm)						
	D (mm)		B	F	E	H	C	L	W
	Min	Max							
ADR-30-40	30	40	40.2	21.0	4.0	23.6	75.5	95.0	45.0
ADR-40-50	40	50	50.2	20.2	4.0	30.0	84.5	110.0	45.0
ADR-51-57	51	57	57.1	32.0	6.5	33.5	84.3	114.5	49.0
ADR-57-64	57	64	64.4	28.8	4.0	37.8	94.0	122.0	48.0
ADR-64-70	64	70	70.5	32.2	4.0	40.0	98.0	124.0	46.0
ADR-70-76	70	76	78.5	35.2	4.0	44.8	110.7	136.0	48.0
ADR-76-83	76	83	83.5	38.2	6.0	48.0	117.7	143.0	52.0
ADR-83-89	83	89	89.5	41.0	5.0	48.8	124.2	149.2	60.0
ADR-89-95	89	95	95.5	44.8	5.0	52.8	130.5	158.2	59.0
ADR-95-101	95	101	101.5	47.8	5.0	55.3	126.1	154.0	65.0
ADR-101-108	101	108	108.0	57.0	6.0	59.0	136.5	165.0	65.0
ADR-108-114	108	114	114.1	60.0	6.0	62.0	142.0	171.0	65.0
ADR-115-125	115	125	125.5	58.0	6.0	63.5	150.0	175.0	85.0
ADR-125-135	125	135	136.1	62.8	6.0	70.2	168.0	194.0	85.0

Features :

- Cable cleats are used for fixing, supporting & securing cables and protecting cables from short circuit faults.
- Trefoil cable cleats are suitable for installing three single core cables in trefoil formation, with double bolt fixing arrangement feature.
- Suitable for cables in trefoil groups.
- Can be used with all types of cable routes.

Technical Information :

- Few Range accommodating wide range of Cable diameter makes it a special design characteristic.
 - 8 sizes accomodating Cable Diameters ranging from 15mm to 155mm.
- Temperature range : -60°C to +120°C.



Part No.	Cable Diameter		Dimension (mm)			
	D (mm)		W	H	L	C
	Min	Max				
ADTS-15-30	15	30	30	45	108	80
ADTS-30-45	30	45	30	66	151	120
ADTS-45-60	45	60	40	85	184	151
ADTS-60-75	60	75	40	114	226	193
ADTS-75-90	75	90	40	142	267	235
ADTS-90-107	90	107	50	171	319	282
ADTS-107-129	107	129	57	203	390	352
ADTS-129-155	129	155	57	244	455	397

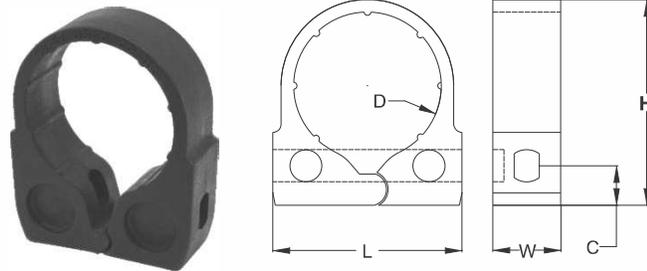
Polyethylene Single Bolt Cable Cleats :

Material Specification :

- Black Lenear Low Density Polyethylene (LLDPE) - unaffected corrosive environments, Oils and many chemicals.
- Sunlight (UV) resistant
- Over Lapping self adjusting ranges.
- One Piece, Single Bolt fixing design.
- Suitable for most hostile environments.

Features :

- Cost effective.
- Can accommodate Ø9 upto Ø52mm Cables in 5 sizes.
- Easy to Install.
- Low smoke and Fume emission.
- Temperature range : -25°C + 85°C.



SINGLE BOLT	Part No.	Cable Diameter		Dimension (mm)				Fixing Hole	Safe working Load (kg)	
		D (mm)		L	H	W	C		27	11.7
		Min	Max							
	PSR-9-16	9	16	24.0	31.8	14.0	11	M6	27	11.7
	PSR-15-22	15	22	33.5	41.0	16.4	11	M6	46.5	25.7
	PSR-21-29	21	29	41.0	47.9	19.5	12	M6	55	44.3
	PSR-28-39	28	39	51.6	60.0	22.0	16	M6	57	56.3
	PSR-38-52	38	52	65.0	77.3	24.0	16	M6	56	50

Polypropylene Double Bolt Cable Cleats :

Features :

- Cost effective.
- Can accommodate Ø46 upto Ø120mm Cables in 11 sizes.
- Easy to Install.
- Temperature range : -25°C + 85°C.
- Manufactured From Polypropylene Grade



DOUBLE BOLT	Part No.	Cable Diameter		Dimension (mm)				Fixing Hole	Safe working Load (kg)	
		D (mm)		L	H	W	C		305	509
		Min	Max							
	PDR-46-51	46	51	99.0	65.0	60.0	75-81	M11	305	509
	PDR-51-57	51	57	99.0	68.0	60.0	76-82	M11	305	509
	PDR-57-64	57	64	99.0	76.0	61.1	77-83	M11	305	509
	PDR-64-70	64	70	137.0	85.0	62.5	111-117	M11	407	679
	PDR-70-76	70	76	137.0	92.0	63.0	111-117	M11	407	679
	PDR-76-83	76	83	143.0	100.0	63.0	111-117	M11	441	747
	PDR-83-90	83	90	146.0	104.0	63.5	112-118	M11	441	747
	PDR-90-97	90	97	165.0	124.0	80.0	128-134	M12	543	917
	PDR-97-105	97	105	165.0	124.0	80.0	128-134	M12	543	917
	PDR-105-112	105	112	170.0	134.0	90.0	136-141	M12	543	917
	PDR-112-120	112	120	170.0	136.0	90.0	137-143	M12	543	917

Polypropylene Multifix Cable Cleats :

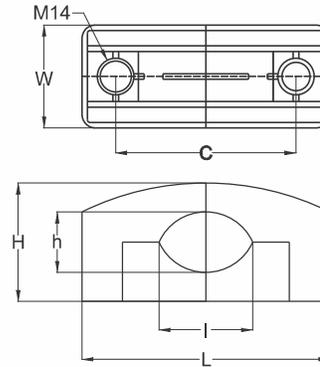
Features :

- Double Bolt - Multifix design type BSCO Cable cleats accommodates from Ø20mm to Ø120mm range of Cables, in 5 sizes of Multifix cleats.
- Easy to install..
- Low smoke and fume emission..



Technical Information :

- Two piece, Double Bolt Fixing Design.
- Temperature range : -25°C + 85°C.
- Manufactured From Polypropylene Grade



MULTIFIX TYPE	Part No.	Cable Diameter D (mm)		Dimension (mm)					
		Min	Max	L	H	C	W	h	l
		PDM-24-36	24	36	90	43	60.5	60	22
PDM-36-55	36	55	108	49.5	75	60	32	48	
PDM-55-75	55	75	114.5	55	83.5	60	36	57	
PDM-75-95	75	95	128	66	96	60	49	69	
PDM-90-120	90	120	150	88	120	60	65	95	

Polypropylene Trefoil Cable Cleats :

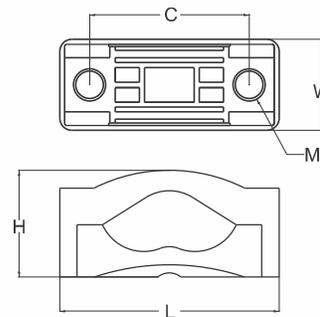
Features :

- Trefoil cable cleats are suitable for installing 3 single core cables in Trefoil formation with double bolt fixing arrangement design as shown.
- Suitable for cables in Trefoil groups.
- Can be used with all types of cable routes.
- Easy to install.
- Low smoke and fume emission.



Technical Information :

- Two piece, Two Bolt Fixing Trefoil type design.
- Suitable for use with cables from diameter 3xØ27mm upto 3x Ø118mm in Trefoil groups.
- Temperature range : -25°C + 85°C.
- Manufactured from low density polypropylene.



TREFOIL TYPE	Part No.	Cable Diameter D (mm)		Dimension (mm)					MECHANICAL STRENGTH Nm
		Min	Max	C	L	W	H	M	
		PDT-27-38	27	38	125	180	75	75	
PDT-38-51	38	51	145	195	80	100	15.5	39800	
PDT-51-69	51	69	170	220	85	130	15.5	43400	
PDT-69-90	69	90	215	252	90	163	15.5	56700	
PDT-90-118	90	118	270	321	100	207	15.5	54300	



 EARTHING

 LIGHTNING

 ELECTRICAL

 TRANSMISSION



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