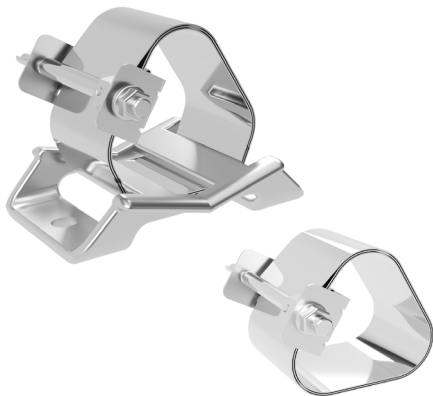


Multicleat/Multistrap System

378 Series



Features and benefits

- Suitable for use with cable diameters 24 to 145mm. Large range take on each size.
- Single or double bolt fixing.
- Operating temperatures -60°C to +105°C.
- All straps manufactured from non-magnetic 316L Stainless Steel.
- Plain Aluminium bases - for normal industrial areas or outdoor unpolluted areas.
- Epoxy coated Aluminium versions or Stainless Steel available for harsher environments.
- Liners are made from LSOH materials.
- Suitable for single core cables laid in trefoil formation with high fault current capacities.
- Suitable for use with all standard ladder and tray systems.
- Tested in accordance with BS EN 61914:2016
- LUL APR Product ID 1996
- Patent number 2082242.

Consisting of Aluminium or Stainless Steel bases with a Stainless Steel strap complete with a tensioning clip the BICON™ Multicleat system offers the best flexibility for cable fixing available on the market today. With an unprecedented test portfolio and service record, the Multicleat system should be your first choice for trefoil and single cables installations requiring a high system fault current rating.

Multistraps are used as intermediate restraints and are positioned centrally between a pair of Multicleats. Multicleat and multistrap systems have all been short circuit tested to BS EN 61914:2016 to one or two shots. The standard and heavy duty straps and bases have different short circuit ratings related to their installation spacings. Please consult the following information in order to make the correct selection.

Multicleat and multistrap now use a new and improved locking mechanism making the installation quicker and easier. They also come with a disposable tensioning aid that was introduced in response to customer requests to improve the closure of the cleats and speed of installation. The adapter fits into the open end of the winding pin and is used with a standard 13mm socket wrench to tighten the strap. A 13mm socket is then used to tighten the locking nut, finishing the installation. LSOH material liners are available for both the Multicleat and Multistrap conforming to BS 6853. Please contact the Prysmian Components technical team who will be able to offer the correct advice to suit your individual installation.



Multileat

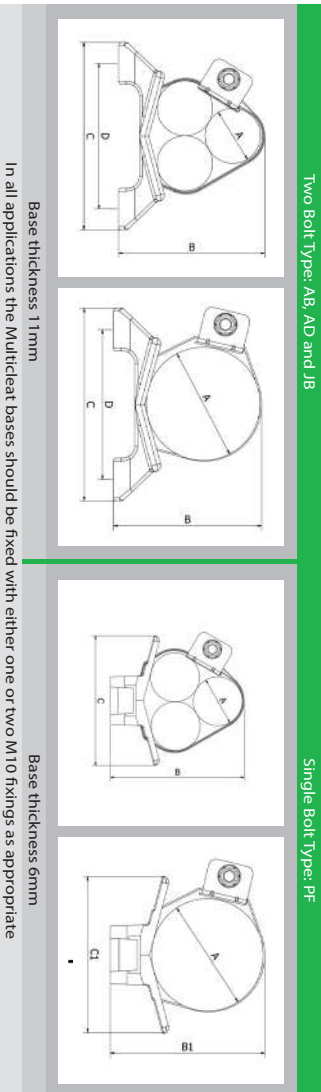
Base Options	Cable Size		Liner	Dimensions and Weights																								
	Two Bolts	Single Bolt		Trefoil Ø	Single O	AB / AD		Two Bolts		AB or AD or JB		Single Bolt																
Aluminium	Aluminium Epoxy Coated	Stainless Steel	Standard	Heavy Duty	Minimum Individual Cable Diameter (mm)	Maximum Individual Cable Diameter (mm)	Minimum Cable Diameter (mm)	Maximum Cable Diameter (mm)	377LSF	Max Width C (mm)	Hole Centres D (mm)	Weight (kg) Standard Duty (01-09)	Weight (kg) Heavy Duty (01-09)	Max Width C (mm)	Hole Centres D (mm)	Weight (kg) Standard Duty (01-09)	Weight (kg) Heavy Duty (01-09)	Max Height Trefoil B (mm)	Max Height Single Cable B1 (mm)	Base Width (mm)	Max Width Trefoil C (mm)	Max Width Single Cable C1 (mm)	Weight (kg) Standard Duty (01-09)	Weight (kg) Heavy Duty (51-42)	Max Height Trefoil (mm)	Max Height Single Cable B1 (mm)		
			01	51	24	34	0.160	0.199	01	126	100	0.468	0.54	120	100	0.63	0.669	95	92	76	76	76	76	76	0.480	0.519	99	96
			02	52	30	41	0.171	0.218	01	126	100	0.479	0.57	120	100	0.641	0.668	100	113	76	82	85	85	0.491	0.538	113	116	
			03	53	37	47	0.184	0.24	01	122	96	0.520	0.576	126	100	0.727	0.783	121	118	104	104	104	104	104	0.566	0.622	121	118
			04	54	43	54	0.199	0.259		122	96	0.535	0.595	126	100	0.742	0.802	135	138	104	108	110	110	0.581	0.641	135	138	
			05	55	50	60	0.211	0.278		132	106	0.569	0.636	132	100	0.757	0.824	146	-	120	120	120	120	0.634	0.701	147	-	
			06	56	56	67	0.225	0.299	02	132	106	0.583	0.657	132	100	0.771	0.845	160	-	120	134	146	160	160	0.648	0.722	161	-
			07	57	63	73	0.240	0.322	02	176	150	0.716	0.798	152	125	0.94	1.022	172	-	146	146	146	146	0.890	0.972	173	-	
			08	58	69	80	0.253	0.342	02	176	150	0.729	0.818	152	125	0.953	1.042	186	-	146	160	160	160	0.903	0.992	187	-	
			09	59	N/A	N/A	N/A	N/A	06	122	96	0.547	0.614	126	100	0.754	0.821	-	148	104	-	120	0.593	0.660	-	148		
			36	66	72	85			05	230	200	-	0.832	230	200	-	1.454	190	-	-	-	-	-	-	-	-	-	
			37	72	82	95			05	230	200	-	0.864	230	200	-	1.486	210	-	-	-	-	-	-	-	-	-	
			38	82	92	105			05	284	242	-	1.449	230	200	-	1.520	230	-	-	-	-	-	-	-	-	-	
			39	92	102	115			05	284	242	-	1.480	290	250	-	2.551	250	-	-	-	-	-	-	-	-	-	
			40	102	112	125			06	284	242	-	1.511	290	250	-	2.582	270	-	-	-	-	-	-	-	-	-	
			41	112	122	135			06	284	242	-	1.542	290	250	-	2.613	290	-	-	-	-	-	-	-	-	-	
			42	132	145				06	290	242	-	1.572	290	250	-	2.643	315	-	-	-	-	-	-	-	-	-	

Example ordering code: 378 AD 58 Multileat with a 377LSF 02 Liner

Multistrap

Option	Cable Size		Weight	Liner
	Trefoil Ø	Weight		
Standard	Minimum Individual Cable Diameter (mm)	Maximum Individual Cable Diameter (mm)	Weight (kg) Standard Duty (01-08)	Weight (kg) Heavy Duty (51-42)
01	51	24	0.160	0.199
02	52	30	0.171	0.218
03	53	37	0.184	0.24
04	54	43	0.199	0.259
05	55	50	0.211	0.278
06	56	56	0.225	0.299
07	57	63	0.240	0.322
08	58	69	0.253	0.342
377 AB	N/A	N/A		02
36	72	85		0.356
37	82	95		0.388
38	92	105		0.422
39	102	115		0.453
40	112	125		0.484
41	122	135		0.515
42	132	145		0.545

Example ordering code: 377 AB 53 Strap with a 377LSF 01 Liner

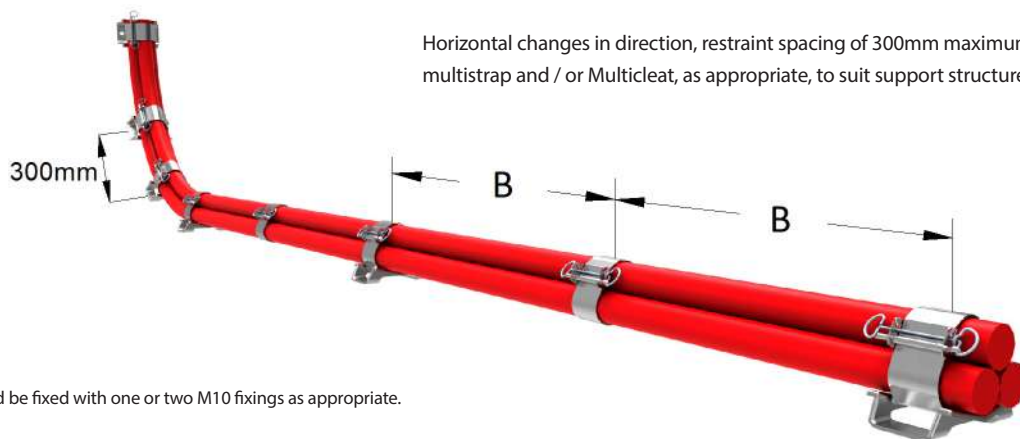


Performance data

BS EN 61914:2016	Clause	Classification
Type	6.1.3	Composite
Operating Temperature	6.2	-40 °C to + 120 °C
Resistance to short circuit (one shot)	6.4.4	Aluminium base, Standard duty strap: 57.3kA RMS, 126kA Peak, cleat spacing (B) = 0.6m Stainless steel 2 bolt base, Heavy duty strap: 65.9kA RMS, 145kA Peak, cleat spacing (B) = 0.6m 60.4kA RMS, 133kA Peak, cleat spacing (B) = 0.9m Stainless steel 1 bolt base, Heavy duty strap: 61.3kA RMS, 135kA Peak, cleat spacing (B) = 0.6m All completed on a cable Ø = 38mm
Resistance to short circuit (two shot)	6.4.5	Aluminium base, Standard duty strap: 52.3kA RMS, 115kA Peak, cleat spacing (B)=0.6m Aluminium base, Heavy duty strap: 55kA RMS, 121kA Peak, cleat spacing (B) = 0.6m Stainless steel 2 bolt base, Heavy duty strap: 61.8kA RMS, 136kA Peak, cleat spacing (B) = 0.6m 55kA RMS, 121kA Peak, cleat spacing (B) = 0.9m All completed on a cable Ø = 38mm
Resistance to Corrosion	6.5.2.2	High, Outdoor - Wet unpolluted conditions

* Technical Information subject to change without notice

Important note: To ensure adequate restraint, Multistrap MUST be used at the mid-point between cleats on all horizontal and vertical straight runs.



Horizontal changes in direction, restraint spacing of 300mm maximum. Use multistrap and / or Multicleat, as appropriate, to suit support structure.

Note: Bases should be fixed with one or two M10 fixings as appropriate.

Miscellaneous Arrangements



Multicleat/ Multistrap System

The Multicleat / Multistrap is ideally suited for securing group of cables of different sizes. The Prysmian technical help team will be able to match the correct cleat / strap to for the size and fault rating of the cable arrangement.

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