

Pfisterer SICON Stepless Shear Bolt Connectors

The cable connector system for voltages up to 36 kV



Terminals, connectors and cable lugs using screw technology have been on the advance for years, and with good reason.

The special design feature of the SICON shear bolt connectors is that there are no predetermined break points in the thread. This provides for optimal load-bearing capacity for each range of cross sections. The bolt always breaks at the surface of the clamp body, so there are no protrusions and nothing has to be filed down to make the sleeve fit. Fitting requires a simple tool – literally with a flick of the wrist.

Offering a large clamping range, SICON shear bolt connectors feature a compact design with rounded edges and flat transitions suitable for slide-on and shrink sleeves.

They are contact technology type-tested to IEC 61238-1 and proven in joint tests to HD 629 and in 18-month endurance test.







The SICON system features aluminium alloy connectors, steel threaded studs, brass shear bolts and plastic centring sleeves and the family includes branch connectors, inline connectors and cable lugs.

An overview of SICON system benefits:

- ✓ Nothing protrudes, and nothing has to be filed down.
- ✓ Full utilisation of the thread loading for any size of conductor.
- ✓ No special tools needed.
- ✓ Smooth breakage of the shear bolt simplifies tightening.
- ✓ The remains of the bolt stay with the tool and can be disposed of safely.

Product Data Sheet

Selection table for SICON stepless shear bolt connectors

	Hamer code	Application range, mm ²						Palm bore diameter mm	Wrench size (A/F) mm	Number of bolts	Dimensions			MOQ	
											L1	øD	ød		
		Round stranded, RM		Sector stranded, SM		Rounded compacted, RMV									
		min	max	min	max	min	max								
Branch connectors															
	KP1165	50	185	50	150	50	240	-	6	6	162	68/33	20	12	
		70	240	70	240	70	300	-			158	71.5/35	22		
In-line connectors															
	KP1185	10	95	35	70	10	95	-	5	2	65	24	13	12	
	KP1160	25	150	35	120	25	150	-			68	28	16.3		
	KP1200	25	150	35	120	25	150	-			102	33	20		
	KP1205	50	185	50	240	50	240	-	6	4	126	35	21		22
	KP1210	50	240	50	240	50	240	-			126	35	21		
	KP1215	95	300	95	240	95	300	-			126	35	22		
	KP1235	70	240	70	240	70	300	-	8	4	140	38	24	6	
	KP1240	185	400	185	300	185	400	-			170	42	26		
	KP1220	300	630	300	400	300	630	-			230	52	33.3		
Lugs															
	KP1225	10	95	30	70	10	95	13	5	1	70	24	13	12	
	KP1180	25	150	35	120	25	150				91	28	16.3		
	KP1181	25	150	35	95	25	150				16.5	115	33		20
	KP1190	50	240	50	150	50	240	13	6	2	120	38	24		26
	KP1191	50	240	50	150	50	240	16.5			138	42	26		
	KP1155	95	300	95	240	95	300	13			180	52	33.3		
	KP1156	95	300	95	240	95	300	16.5	8	3	180	52	33.3	6	
	KP1230	185	400	185	300	185	400	13			180	52	33.3		
	KP1231	185	400	185	300	185	400	16.5			180	52	33.3		
	KP1194	300	630	240	400	300	630	13			180	52	33.3		
	KP1195	300	630	240	400	300	630	16.5	180	52	33.3				

Notes

All SICON connectors listed have oil-stops
 Cable sections in accordance with EN 60228 (VDE 0295)
 Central screw-type cable lugs and other versions on request.