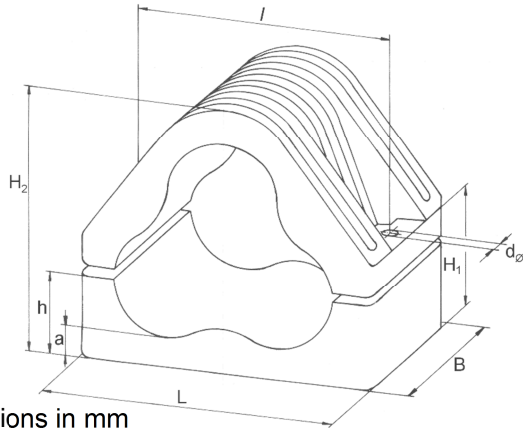


Cable Clamps

- Series: **KH**
- Application: Fastening of single-conductor cables in trefoil formation for high short circuit forces, unrestricted application indoors and outdoors
- Material: Polyamide, fibreglass-reinforced
- Outer diameter of cables: 59 mm to 165 mm
- Dynamic resistance to short circuits: 30,000 N
- Max. torque for tightening screws: 8 Nm



Dimensions in mm

Type	D _ø	D _ø *	L	B	I	d _ø	H ₁	H ₂	h	a
KH 62/75	62 - 75	59 - 72	225	90	185	18	114 - 142	172 - 200	80	30
KH 73/86	73 - 86	70 - 83	250	100	210	18	119 - 147	192 - 220	85	30
KH 84/97	84 - 97	81 - 94	270	100	230	18	128 - 156	214 - 242	95	30
KH 95/107	95 - 107	92 - 104	290	100	250	18	136 - 164	244 - 262	103	30
KH 105/117	105 - 117	102 - 114	310	100	270	18	144 - 178	248 - 282	108	30
KH 115/140	115 - 140	112 - 137	365	120	320	18	182 - 242	270 - 330	145	35
KH 138/165	138 - 165	135 - 162	500	140	420	20	215 - 310	295 - 390	165	40

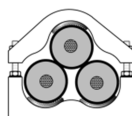
D_ø: outer cable diameter

D_ø*: ~ with Elastic Inlays

Application with Elastic Inlay

- as padding of the cables (for diameters ≥ 60 mm) to avoid damage of the cables under strain and/or change of surrounding temperature
- as secure fixation of the cables and absorption of forces due to the weight of the cables at vertical sections in any height (wind turbine generators, masts, shafts)
- for KH 115/140 and KH 138/165 Elastic Inlay 150 mm x 140 mm
- for all other KH-types Elastic Inlay 100 mm x 100 mm

Fastening example:



The Distance Wedge is recommended for cables with impregnated paper insulation for high- and extra high-voltage and at vertical installations. For the range of outer cable diameter refer to Distance Wedge data sheet.

Technical changes reserved 08/14

id-Technik Cable Clamps are tested according to international standard IEC 61914 by accredited testing institutes.

Test results for Cable Clamp Series KH

	Classification			IEC 61914 Paragraph
Material	Non-metallic	High-grade plastic		6.1.2
Operating temperature	-60°C +120°C	Minimum Maximum		6.2
Resistance to impact	Very heavy	At -60°C 5 kg of 400 mm height		6.3.5
Lateral load test in x-direction	35,000 N	At +120°C		6.4.1
Lateral load test in y-direction	35,000 N	At +120°C		6.4.1
Axial load test	1,500 N with Elastic Inlays	At +120°C		6.4.2
Resistance to electrodynamic force	30,000 N	Suitable to withstand multiple short circuits	Tested at 149 kA	6.4.4
UV-resistance	High			6.5.1
Flame propagation	Passed V-0 S3	30 sec		10.1 UL 94 DIN 5510

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