

Insulator Type KMS 1 & KMS 1,5



KMS 1 short element

KMS 1,5 long element

- with new innovative skid design
 - from UV stabilized black polypropylene
 - for carrier pipes with 400 mm to 1200 mm OD
 - width 160 mm
 - skid heights 25, 36, 50, 75, 100, 125 mm
 - working temperature -10° C to +90° C
 - providing dielectric, conducting insulation and cathodic protection > 10 KV / mm
 - fast assembly as extended elements of version KMS 1,5 are used so that less elements per ring are required
 - assembly uses stainless steel bolts with hexagon socket heads
 - easy to mount as all bolts are arranged outside the skids
 - nuts have optimized locations
 - maximum static loading
 - skid height 25, 36, 50, 75 mm; 2000 kg per ring
 - skid height 100, 125 mm; 1000 kg per ring
- Stated maximum loads are under static conditions.
Dynamic forces must be considered individually.

The KONEX INTERNATIONAL guarantee for KMS insulators is limited to failures in the material. The user is responsible for their individual application.

pipe size		carrier pipe OD/mm		number of elements/ring		screws
DN	inch	min.	max.	MS 1	MS 2	number/size
400	16	400	430	3		8 M8 x 70
450	18	450	480	4	1	8 M8 x 70
500	20	500	538	5		10 M8 x 70
550	22	550	585	4	1	10 M8 x 70
600	24	600	628		4	8 M8 x 70
		629	649	6		12 M8 x 70
650	26	650	680	2	3	10 M8 x 70
		680	699	5	1	12 M8 x 70
700	28	700	732	1	4	10 M8 x 70
		732	750	7		14 M8 x 70
750	30	751	780		5	10 M8 x 70
		780	799	6	1	14 M8 x 70
800	32	800	835	2	4	12 M8 x 70
		835	850	8		16 M8 x 70
850	34	851	880	1	5	12 M8 x 70
		880	900	7	1	16 M8 x 70
900	36	901	951		6	12 M8 x 70
950	38	952	1000	2	5	14 M8 x 70
1000	40	1001	1050	1	6	14 M8 x 70
1050	42	1051	1100		7	20 M8 x 70
1100	44	1101	1150	2	6	22 M8 x 70
1150	46	1151	1200	1	7	22 M8 x 70
1200	48	1201	1249		8	24 M8 x 70

Insulator Type KMS 1 & KMS 1,5 Assembly Instructions

- before connecting the elements together, prepare the number of insulator elements and bolts required in accordance to our selection tables. We recommend the placing of two insulator rings at each end of the carrier pipe.
- as a first step, screw each nut just a few turns onto the bolts but not up to the insulator ring at this stage
- K O N E X anti-slip tape provides an ideal fixation for spacer rings on the smooth surfaces of all types of pipes
- when assembling, arrange the already prepared insulator rings so that they are equally spaced around the carrier pipe. Then evenly tighten each bolt using a maximum torque of 8 Nm. Ensure an equal interspace exists between all elements. During tightening, the square nut heads must be firmly located in the respective cavity on the insulator.
- depending on the pipe dimension it may not always be necessary to draw the insulator rings completely together

Preassembly acc. to selection table



Anti-slip tape



Apply ring



Screw each nut just a few turns onto the bolts



Fasten evenly



Assembled insulator