

PLASTIC INSULATORS MS (Multi-segment)



MS
MS2

In brief...

- Conventional plastic insulators made up of bolted segments.

The segments feature one sliding and two connections skids, these being of **uniform height**.

- Only 2 segment sizes cope with all pipe diameters from 352 mm upwards which reduces designated stocking space.
- Bolts in stainless A2 steel or in plastic (on request).



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Segment sizes and assembly



Sizes MS and MS 2 can be combined at will.
Each segment connects with three stainless steel bolts (A2).

Connection skid moulded to accommodate square nuts

Assembled insulator ring made of 4 MS segments for pipe diameters 452 - 503 mm.

For ND = 100 mm: 1 MS segment.
For ND = 50 mm: 1 MS 2 segment.

EX. :ND 400 = 4 x MS
ND 450 = 4 x MS + 1 x MS 2

Selection table

Number of segments		minimum pipe Ø	maximum pipe Ø	skid heights
MS	MS/2	(mm)	(mm)	
3	1	352	392	all segments available in : 25, 36 or 50 mm skid heights.
4	-	403	443	
4	1	452	503	
5	-	503	554	
5	1	553	614	
6	-	604	665	
6	1	654	725	
7	-	705	776	
7	1	754	836	
8	-	805	887	
8	1	855	947	
9	-	906	998	
9	1	955	1058	
10	-	1006	1109	
10	1	1056	1170	
11	-	1107	1220	
11	1	1157	1281	
12	-	1208	1332	
12	1	1257	1392	
13	-	1308	1443	
13	1	1358	1503	
14	-	1409	1554	
14	1	1458	1614	
15	-	1509	1665	
15	1	1559	1796	
16	-	1610	1776	

Material

MS insulators are made from highest quality original low pressure polyethylene (ND-PE, no reconstitutes).

This special polyethylene has the following technical features :

- high stress cracking resistance (18 h according to ATM D 1693),
- high impact strength (15 kJ/m² according to ISO 179/2C),
- very good compressive tenacity of ca. 10 N/mm²,

- resistance to a constant temperature of 90° C and to short-term heating up to 110° C,
- outstanding dielectric strength (70-80 kmm, DIN VDE 0303),
- good sliding properties.

MS insulators are made of black polyethylene and are ca.15 times more UV resistant than insulators made of white polyethylene.



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