

Helical Rod Spacer

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Description

The **HELICAL ROD Spacer** is recommended for use on horizontal, twin conductor bundles.

The functions of the HELICAL ROD Spacer are:

- To provide uniform spacing of horizontally bundled subconductors
- To insure consistent electrical characteristics
- To minimize wind induced motions such as subconductor oscillation and aeolian vibration so that no conductor damage results
- To keep the subconductors from entangling due to galloping, ice unloading, and fault currents.

Features

- Thermal Rating (Continuous) 125°C
- Constructed entirely of high strength aluminum alloy wire formed into helical rods
- No loose parts or troublesome articulated joints to create radio noise through looseness
- Designed to be coronafree at voltages 10-20% above operating up to 500 kV AC and 750 kV DC
- Applied easily and uniformly without tools and can be installed with hot line tools
- Designed to meet fault current requirements developed in most EHV line design.
- Complete fault current testing and analysis has been completed for the HELICAL ROD Spacer and is published in AIEE paper DP 58-779, and IEEE paper 63-88.

Documentation

Application Procedures

[SP-2053 \(Helical Rod Spacer\)](#)

Catalog Pages

[Helical Rod Spacer - Catalog](#)

Part Tables

Catalog Number	Diameter Range (Inches)		Typical Conductor Size	Approximate Applied Length (Inches)	Color Code
	Min.	Max.			
SU-MS-7424	.800	.835	397.5, 30/7	35	Purple
SU-MS-3352	.836	.868	477, 26/7	35	Blue
SU-MS-7425	.869	.910	477, 30/7	35	Green
SU-MS-3540	.911	.950	556.5, 26/7	44	Black
SU-MS-5423	.951	.994	715.5, 37-61W, All Alum.	44	Brown
SU-MS-7426	.995	1.038	666.6, 24/7	45	Orange
SU-MS-5504	1.039	1.088	795, 45/7	45	Blue
SU-MS-1245	1.089	1.140	795, 26/7	45	Yellow
SU-MS-3850	1.141	1.196	954, 54/7	46	Orange
SU-MS-6070	1.197	1.250	1113, 61W, All Alum.	46	Purple
SU-MS-5276	1.251	1.305	1272, 61W, All Alum.	46	Green
SU-MS-5519	1.306	1.365	1272, 45/7	48	Yellow
SU-MS-7228	1.366	1.425	1272, 54/19	48	Black
SU-MS-5285	1.426	1.492	1431, 54/19	49	Brown
SU-MS-4397	1.493	1.562	1590, 54/19	49	Red
SU-MS-5056	1.563	1.619	1780, 84/19	50	Green
SU-MS-4767	1.620	1.678	2000, 72/7	50	Yellow
SU-MS-5462	1.679	1.731	2250, 91W, All Alum.	50	Brown
SU-MS-4656	1.732	1.795	2156, 84/19	50	Orange
SU-MS-3807	1.796	1.855	2500, 91W, All Alum.	50	Red
SU-MS-6183	1.856	1.923	2750, 91W, All Alum.	50	Blue

Right-hand lay standard