

Types RLA300-12, RLA300-12SP, RLA400-12, RLA400-12SP, RLA600-12, RLA600-12SP, RLA700-12, RLA700-12SP, RLA800-12, RLA800-12SP



Horizontal Suspension Hangers

for 3-1/8", 4-1/16", 6-1/8", 7-3/16", and 8-3/16" Transmission Lines

Types RLA300-12, RLA300-12SP, RLA400-12, RLA400-12SP, RLA600-12, RLA600-12SP, RLA700-12, RLA700-12SP, RLA800-12 and RLA800-12SP Horizontal Suspension Hangers are designed for use with 3-1/8", 4-1/16", 6-1/8", 7-3/16", and 8-3/16" transmission lines, respectively. Suspension hangers are usually attached along horizontal transmission line runs at approximately 10 ft (3 m) spacing to allow vertical movement caused by the differential expansion/contraction of the transmission line.

Types RLA___-12SP hangers do not control side movement, because they are used when there is not enough room to use the hangers listed in the paragraph above. Others are responsible for installing appropriate equipment to control side to side movement of the rigid line.

The suspension hanger kits include clamp segments, spring hangers, and required adjustment hardware, see Figure 1.

Read the Instructions Thoroughly Before Assembly

See Figure 1. Assemble clamp segments around transmission line as shown. Use one lock washer under each nut. Tighten 3/8" hardware on the 180 degree segment without damaging the outer tube.

See Figure 2 and its chart for dimensions to locate customer installed mounts. **Note: Dimensions are from transmission line centerline.**

Attach the spring hangers to the mounts. The ball washer is placed on the threaded rod first and then the two nuts as shown in Figure 1.

First, set the top spring to dimension "C". Then, slowly tighten the side springs equally, until the "D" dimension is reached. (**Note:** The "D" dimension does not apply to the RLA___-12SP Type hanger). After the springs are set, tighten the double nuts to lock the setting.

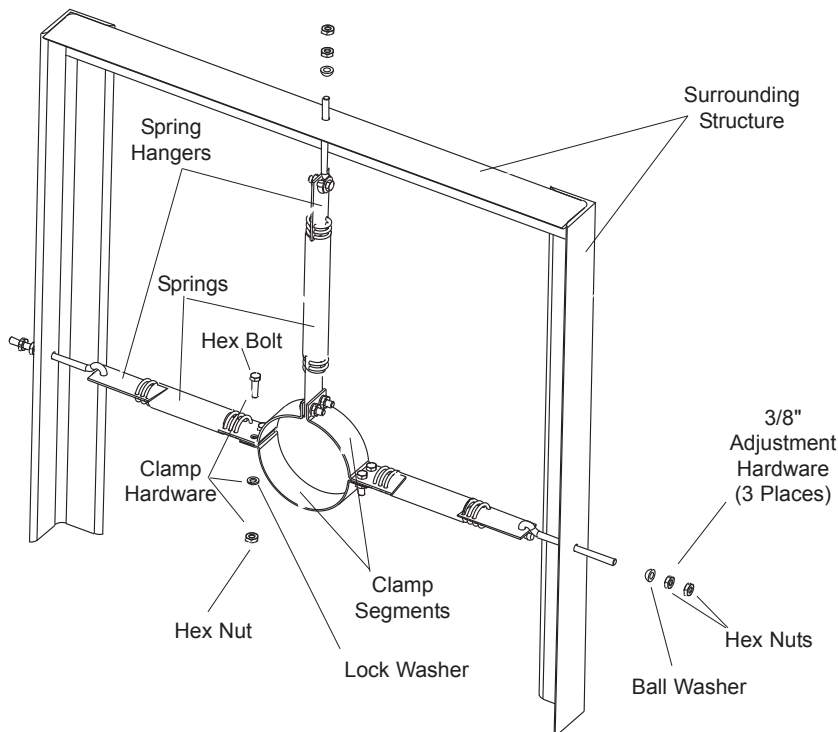


Figure 1

Line Size	Type	Transmission Line	Mounting Location ±1/4 inch (±6 mm)		Spring Settings ±1/4 inch (±6 mm)	
			A in (mm)	B in (mm)	C in (mm)	D in (mm)
3-1/8"	RLA300-12	STD/MACX350	23-1/2 (597)	17-1/4 (438)	17-5/8 (448)	11-7/16 (291)
3-1/8"	RLA300-12SP	STD/MACX350	23-1/2 (597)	-----	17-5/8 (448)	-----
4-1/16"	RLA400-12	MACX450	23-5/8 (600)	19-1/8 (486)	17-1/4 (438)	12-7/8 (327)
4-1/16"	RLA400-12SP	MACX450	23-5/8 (600)	-----	17-1/4 (438)	-----
6-1/8"	RLA600-12	MACX675	25-5/8 (651)	19-1/2 (495)	18-5/16 (465)	12-1/16 (306)
		STD/MACX650	26-1/4 (667)	19-1/2 (495)	18-15/16 (481)	12-1/16 (306)
6-1/8"	RLA600-12SP	MACX675	25-5/8 (651)	-----	18-5/16 (465)	-----
		STD/MACX650	26-1/4 (667)	-----	18-15/16 (481)	-----
7-3/16"	RLA700-12	MACX775	29-5/8 (752)	20-1/8 (511)	21-3/4 (552)	12-3/8 (314)
7-3/16"	RLA700-12SP	MACX775	29-5/8 (752)	-----	21-3/4 (552)	-----
8-3/16"	RLA800-12	MACX875	31-3/4 (806)	20-3/4 (527)	23-3/8 (594)	12-1/2 (318)
8-3/16"	RLA800-12SP	MACX875	31-3/4 (806)	-----	23-3/8 (594)	-----

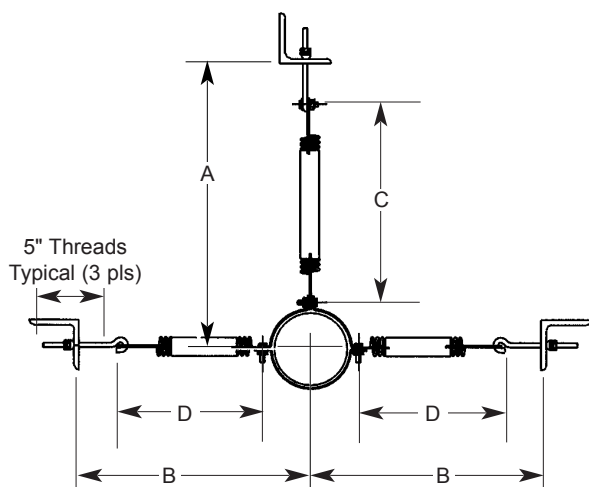


Figure 2



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