

NON-METALLIC CASING SPACER & END SEAL SPECIFICATIONS FOR CARRIER PIPE TO 98.43" O.D.

Molded non-metallic technology enables Ranger II® casing spacers to replace existing specified stainless steel casing spacers.

A. Casing Spacers

Upon installation completion of the steel pipe encasement, the contractor shall furnish and install a Ranger II® boltless casing spacer on the carrier pipe as described below. Casing spacers shall be spaced a maximum of eight (8) feet apart along the length of the carrier pipe with one casing spacer within two (2) feet of each side of a pipe joint and the rest evenly spaced. Wood skids are not an acceptable method of supporting the carrier pipe.

1. Casing spacers shall be all non-metallic virgin polypropylene, molded in segments for field assembly without any special tools. Spacer segments shall be secured around carrier pipe by insertion of a Slide-Lock. The casing spacer polymer shall contain ultraviolet inhibitors and shall have a minimum compressive strength of 3,000 psi, an 800 Volts/mil dielectric strength and impact strength of 1.5 ft-lbs./inch. Each casing spacer shall have full length, integrally molded skids extending beyond the bell or mechanical joint of the carrier pipe.

CARRIER PIPE DIAMETER INCHES (MM)	RANGER II® MODEL	WIDTH INCHES (MM)
0.83 to 3.07" (21 to 78)	Micro	2.13" (54)
2.48 to 5.51" (63 to 140)	Mini	3.15" (80)
5.51 to 16.65" (140 to 423)	Midi	5.12" (130)
16.77 to 25.98" (426 to 660)	Medi	6.87" (174)
25.98 to 98.43" (660 to 2500)	GKO	8.86" (225)

2. Spacers shall be at least as wide as listed below:

3. The casing spacers shall be the boltless/all non-metallic GPT Ranger II® Casing Spacers as manufactured by GPT Houston, TX.

SPECIFIC MATERIAL CHART:

BAND/RUNNER SEGMENT UV RESISTANT POLYPROPYLENE

SPECIFICATIONS	VALUE
Compressive Strength	3,000 psi (211 kg/sq. cm)
Temperature	-22°F to 212°F (-30°C to 100°C)
Impact strength	1.5 ft. lb./in. (0.8 joules/cm)
Dielectric strength	800 volts/mil. min.
Color	Black
Liner	None

B. End Seals

After insertion of the carrier pipe into the casing, the ends of the casing shall be closed by installing 1/8" thick synthetic rubber end seals equal to the GPT Model C, W or R end seal as manufactured by GPT.