

RYMSA RF supplies 50 Ohm unflanged 7/8" rigid line sections for indoor applications. The inner conductor is made in copper, and the outer conductor can be supplied either made in aluminium or in copper. Crossed isolators made of two PTFE rods are available to achieve the alignment between the two conductors, ensuring minimum VSWR contribution to the line performance by applying the relative spacing directions supplied below.

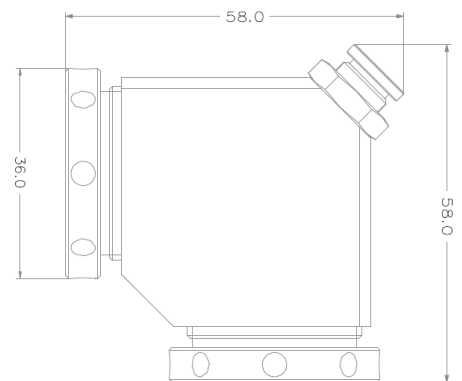
RYMSA RF also manufactures the related rigid coaxial accessories such as rigid line coupling elements, devoted to enable the connection between sections of unflanged rigid line, PTFE crossed isolators, coupling elements, unflanged elbows, inner connectors and unflanged to flanged adapters.

Both the rigid line and the corresponding accessories are manufactured optimizing the VSWR and insertion loss values.

### Unflanged elbow

This element enables a direct connection to the rigid line without using additional coupling elements

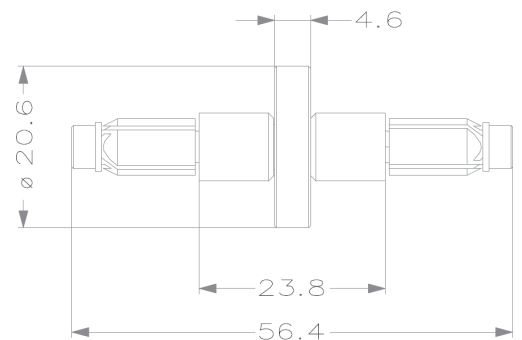
<b>Model</b>	<b>CD20-010</b>	
Frequency range	DC-862 MHz	
Impedance	50 Ohm	
VSWR	<1.03:1	
Insertion loss	Negligible	
Max. Power and voltage	According to line size	
Materials	Outer conductor	Aluminium
	Inner conductor	Copper-berilium
	Isolator	PTFE
	Finishing	Chromatized plating
Temperature range	-10°C to +50°C	



### Inner connector

This element enables the connection between two standard EIA flanged coaxial transmission line terminations

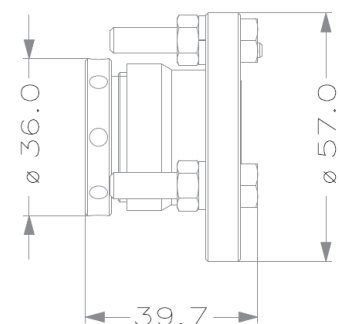
<b>Model</b>	<b>LR20-600</b>	
Max. Power and voltage	According to line size	
Materials	Conductor	Copper-berilium
	Isolator	PTFE
	Finishing	White brass
Temperature range	-10°C to +50°C	



### Unflanged to flanged adapter

This element provides a standard flanged EIA termination to an unflanged rigid line section

<b>Model</b>	<b>TR20-121</b>	
Frequency range	DC-862 MHz	
Impedance	50 Ohm	
VSWR	<1.03:1	
Insertion loss	Negligible	
Max. Power and voltage	According to line size	
Materials	Outer Conductor	Aluminium
	Finishing	Chromatized plating
Temperature range	-10°C to +50°C	



### Assembling diagram for 7/8"

