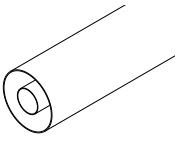# 7/8", WX-20D Rigid Line Components

Rigid Line

FEATURES

- Available in Aluminum-Copper and Copper-Copper (On Request)
- 2 or 4 m (6.6 or 13.1 ft) lengths
- Rigid Line cutter available on request

SPECIFICATIONS

Max RMS Power [3]		Default	Painted [20]	
	UHF	2.2 kW	2.7 kW	(700 MHz)
	VHF B.III	3.8 kW	4.7 kW	(230 MHz)
	VHF B.I	6.1 kW	7.6 kW	(88 MHz)
	FM	5.5 kW	6.9 kW	(108 MHz)
Outer Conductor		High Conductivity Aluminum (Default)		
		High Conductivity Copper (On Request)		
Inner Conductor		High Conductivity Copper (ETP)		
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60		
Distance Between Inner Supports		0.8 m (2.6 ft)		
Available lengths		2 or 4 m (6.6 or 13.1 ft)		
Code	D-RL23O	7/8", WX-20D Rigid Line Outer (Al)		
	D-RL23CO	7/8", WX-20D Rigid Line Outer (Cu)		
	D-RL23I	7/8", WX-20D Rigid Line Inner		

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)
[20] Provided unpainted; to be painted by Customer after installation

Inner Support
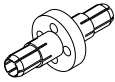
FEATURES

- Required to sustain the inner conductor in long Rigid Line sections

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Distance Between Inner Supports		0.8 m (2.6 ft)	
Code	D-IS23G	7/8", WX-20D Inner Support	

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)

Inner Connection
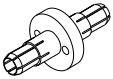
FEATURES

- Required to connect two Flange connections
- Includes screw-set for the relative Flange connections

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code	D-IC23H	7/8" Inner Connection	

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F),

Clamp Flange
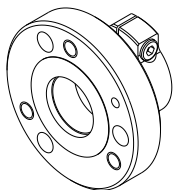
FEATURES

- Easy clamp-on to Rigid Lines outers and Socket connections
- Added threads for faster and simpler nut-free connection with other flanges
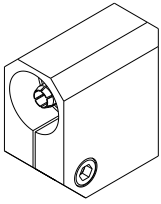- Zero and Recessed Cutback versions available

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code	D-CF23H	7/8" *FastLine* Flange [14]	
	D-CF23H1	7/8" Flange (8.7 mm c/back) [14]	
Options	O-NNB.01	7/8" Flange screw set	

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)
[14] Inner Connections not included

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7/8'', WX-20D Rigid Line Components

Plug Elbow

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code		D-EC23I	7/8'' *FastLine* Plug Elbow
		D-EC23I1	7/8'' Plug Elbow (8.7 mm c/back)
		D-EC23I2	WX-20D Plug Elbow (1 mm c/back)

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)
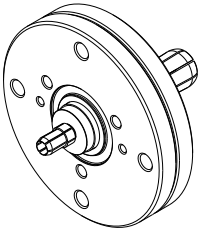
FEATURES

- 90° Elbow with Plugs on both sides
- Zero and Recessed Cutback versions available

Plug Junction

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code		D-JC23I	7/8'' *FastLine* Plug Junction
		D-JC23I2	WX-20D Plug Junction (1 mm c/back)

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)
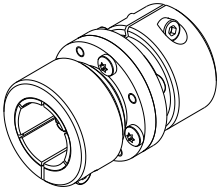
FEATURES

- Straight Junction with Plugs on both sides
- Zero and Recessed Cutback versions available

Flange to Flange Adapter

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code		D-STHK	7/8'' Flange to 1+5/8'' Flange

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)

FEATURES

- Allows to connect two Flanges of different sizes
- Incorporates Inner connections
- Includes screw-set for both Flange connections

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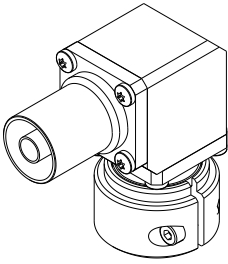HIGH FREQ & BROADCAST COM-TECH.IT

7/8'', WX-20D Rigid Line Components

Modular Elbow

FEATURES

- 90° Elbow, allowing a wide choice of connections on both sides
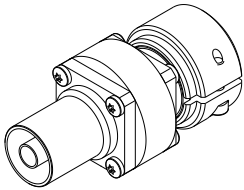- Zero and Recessed Cutback versions available
- Modular Connector System

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code		D-AC32	32 mm Modular Elbow
Connections [8]		D-PC32G	7/8" *FastLine* Socket
		D-PC32G1	7/8" Socket (8.7 mm c/back)
		D-PCG32G2	WX-20D Socket (1 mm c/back)
		D-PC32H	7/8" *FastLine* Flange [14]
		D-PC32I	7/8" *FastLine* Plug
		D-PC32I1	7/8" Plug (8.7 mm c/back)
		D-PC32I2	WX-20D Plug (1 mm c/back)
Options		O-NNB.01	7/8'' Flange screw set

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)
[8] Other Connections available   [14] Inner Connections not included

Modular Junction

FEATURES

- Straight Junction, allowing a wide choice of connections on both sides.
- Zero and Recessed Cutback versions available
- Modular Connector System

SPECIFICATIONS

Max RMS Power [3]	UHF	2.7 kW	(700 MHz)
	VHF B.III	4.7 kW	(230 MHz)
	VHF B.I	7.6 kW	(88 MHz)
	FM	6.9 kW	(108 MHz)
Return Loss (VSWR)		> 40 dB (1.02)	
Environmental Conditions		-5 to +55°C (+23 to +131°F), IP60	
Code		D-SC32	32 mm Modular Junction
Connections [8]		D-PC32G	7/8" *FastLine* Socket
		D-PC32G1	7/8" Socket (8.7 mm c/back)
		D-PCG32G2	WX-20D Socket (1 mm c/back)
		D-PC32H	7/8" *FastLine* Flange [14]
		D-PC32I	7/8" *FastLine* Plug
		D-PC32I1	7/8" Plug (8.7 mm c/back)
		D-PC32I2	WX-20D Plug (1 mm c/back)
Options		O-NNB.01	7/8'' Flange screw set

[3] Altitude < 1500 m (4.900 ft.), Free air, Ambient temp. < 30 °C (86 °F)
[8] Other Connections available   [14] Inner Connections not included

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