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Professional broadcast equipment supplier
CATALOGUE
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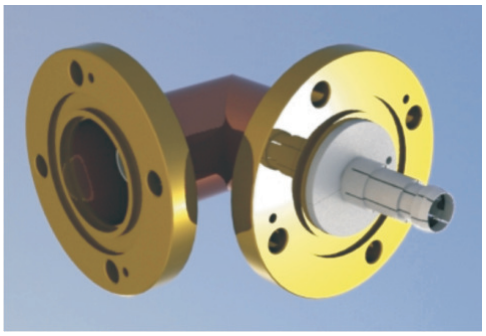
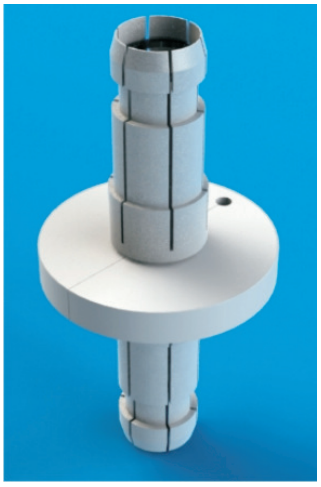
Product Index

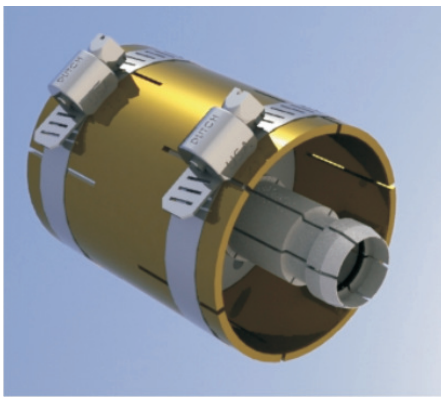
Product Index



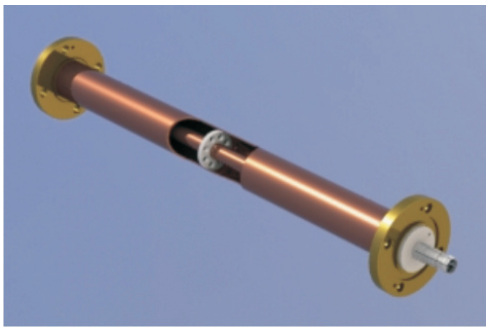
RL 158.14



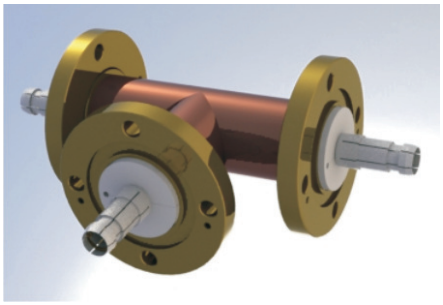
RL 158.35



RL 158.32

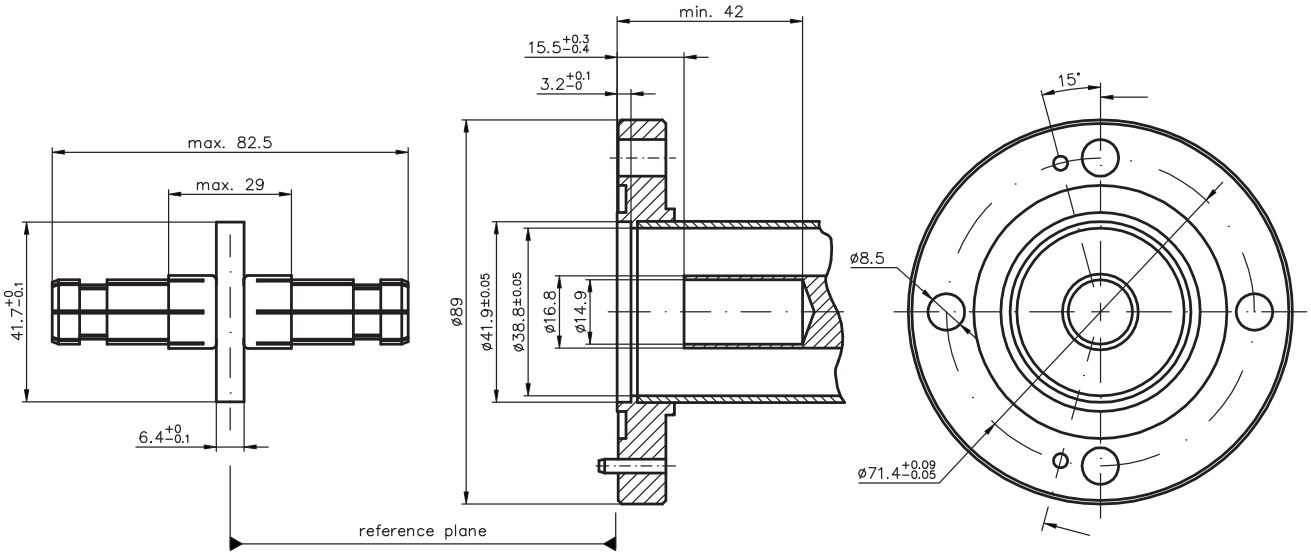


RL 158.01



RL 158.19

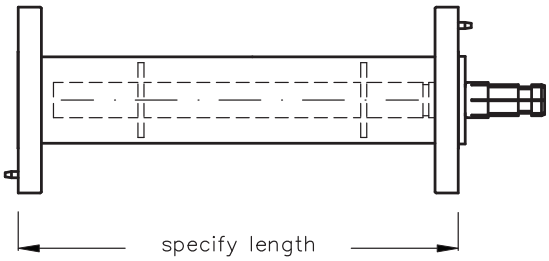
Outer Conductor:	high conductivity hard drawn copper tubing (∅ 41.3 mm. x ∅ 38.8 mm.)
Inner Conductor:	high conductivity hard drawn copper tubing (∅ 16.9 mm. x ∅ 14.9 mm.)
Insulation Material:	virgin PTFE



* All dimensions shown are in milimeters.
* Drawings not to scale.

Mating Face Dimension - 1 5/8”
(EIA standard RS-225)

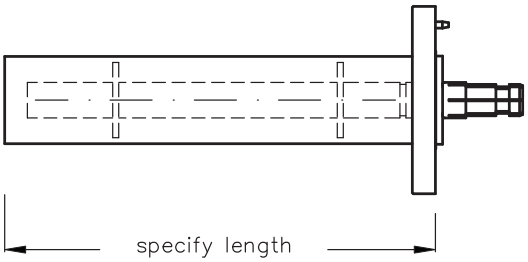
Line size 1 5/8”



Line assembly, flanged with fixed and swivel flange. Brass and copper construction. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 158.01

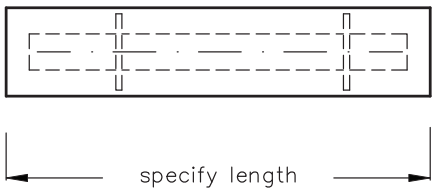
Line size 1 5/8”



Line assembly, one end fixed flanged. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 158.02

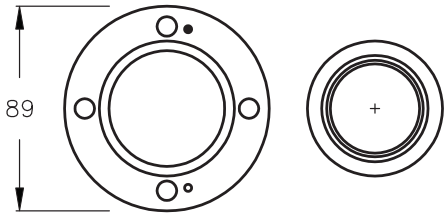
Line size 1 5/8”



Line assembly, unflanged, no insulator conductor connector or hardware.

RL 158.04

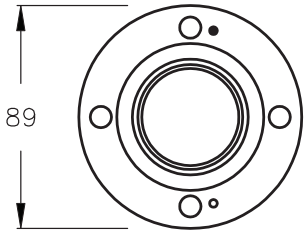
Line size 1 5/8”



Swivel EIA flange, brass. Includes only sliding and fixed ring prepared for silver brazing to outer conducting tubing.

RL 158.06

Line size 1 5/8”

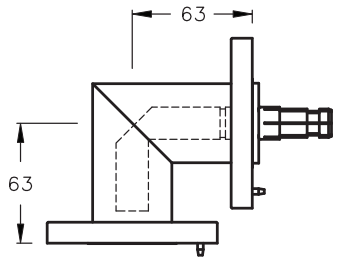


Fixed EIA flange prepared for silver brazing to outer conducting tubing.

RL 158.08

* All dimensions shown are in milimeters.
* Drawings not to scale.

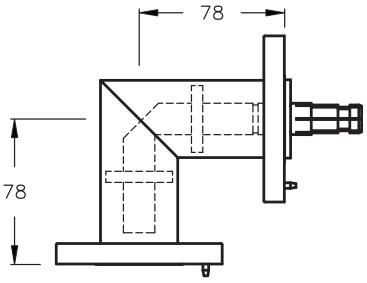
Line size 1 5/8”



Miter elbow 90^0, swivel EIA flanges on both ends, brass and copper construction. Includes unsupported inner conductor, one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 158.11

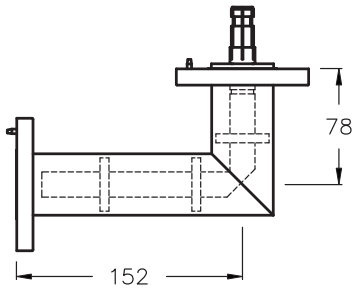
Line size 1 5/8”



Miter elbow 90^0, swivel EIA flanges on both ends, brass and copper construction. Includes supported inner conductor, anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 158.14

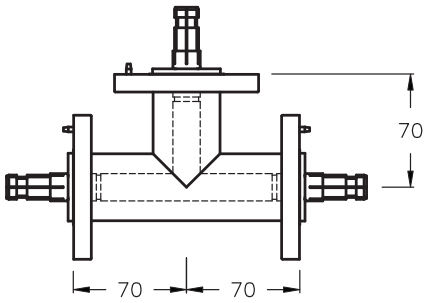
Line size 1 5/8”



Miter elbow 90^0-unequal legs, swivel EIA flanges on both ends, brass and copper construction. Includes supported inner conductor, one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 158.16

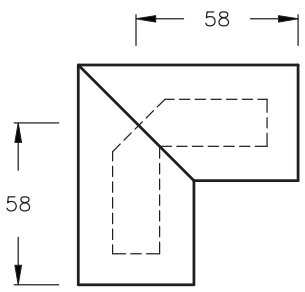
Line size 1 5/8”



Tee assembly, swivel EIA flanges. Includes three anchor insulator connectors, O-rings and hardware sets.

RL 158.19

Line size 1 5/8”

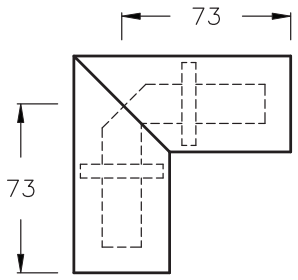


Miter elbow 90^0-unflanged, copper construction. Includes only one unsupported inner conductor.

RL 158.22

* All dimensions shown are in milimeters.
* Drawings not to scale.

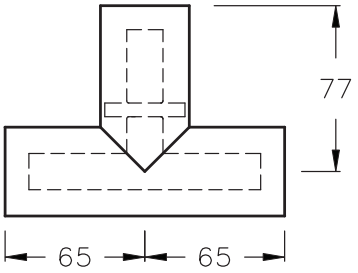
Line size 1 5/8”



Miter elbow 90°-unflanged, long legs, copper construction. Includes only one supported inner conductor.

RL 158.25

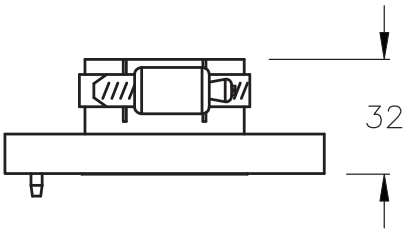
Line size 1 5/8”



Tee assembly, unflanged, copper construction. Includes only supported inner conductor.

RL 158.28

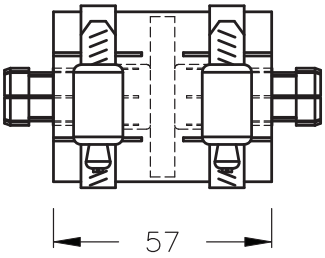
Line size 1 5/8”



Unpressurized EIA field flange for indoor use. Includes one stainless steel hose clamp and hardware set.

RL 158.30

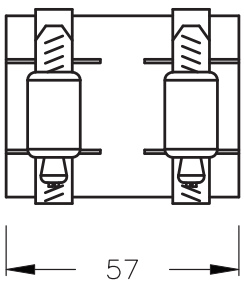
Line size 1 5/8”



Line coupling for connection of unflanged lines. Includes supported inner conductor connector and two stainless steel hose clamps.

RL 158.32

Line size 1 5/8”

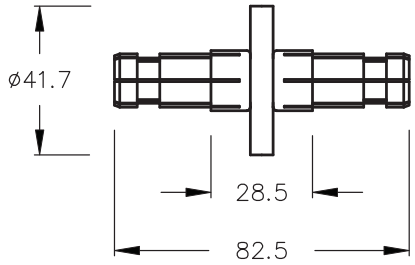


Line coupling for connection of unflanged lines. No inner conductor connector. Includes two stainless steel hose clamps (does not increase outer conductor length).

RL 158.33

* All dimensions shown are in milimeters.
* Drawings not to scale.

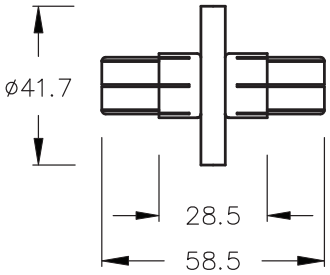
Line size 1 5/8”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Standard lenght.***

RL 158.35

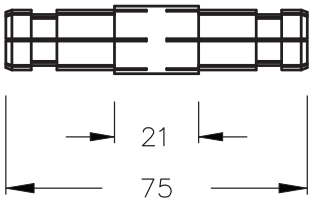
Line size 1 5/8”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Short version***.

RL 158.36

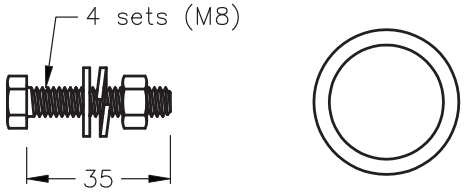
Line size 1 5/8”



Unsupported inner conductor connector.

RL 158.40

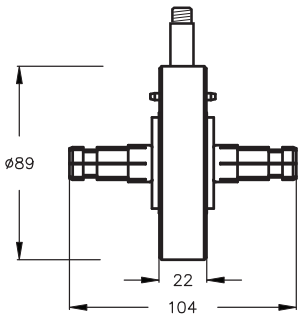
Line size 1 5/8”



Stainless steel hardware set with silicone rubber O-ring.

RL 158.45

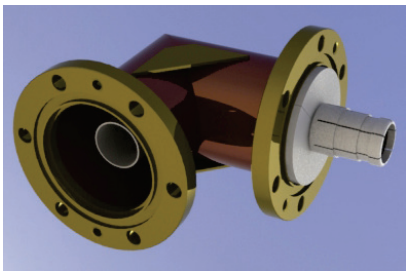
Line size 1 5/8”



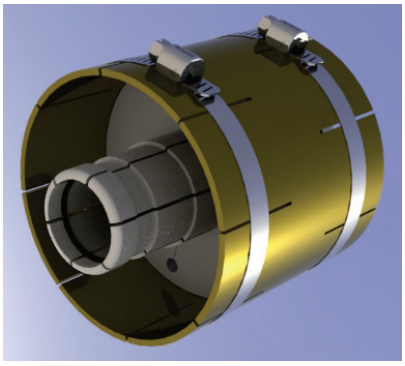
Gas barrier with silicone O-ring and stainless steel hardware set.

RL 158.50

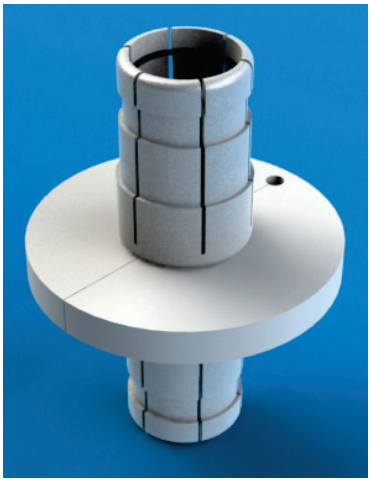
* All dimensions shown are in milimeters.
* Drawings not to scale.



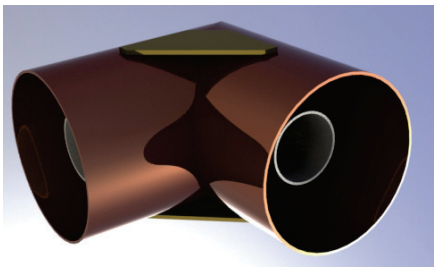
RL 318.11



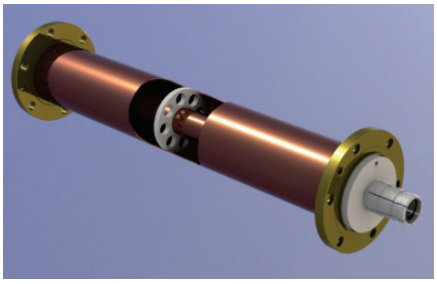
RL 318.32



RL 318.35

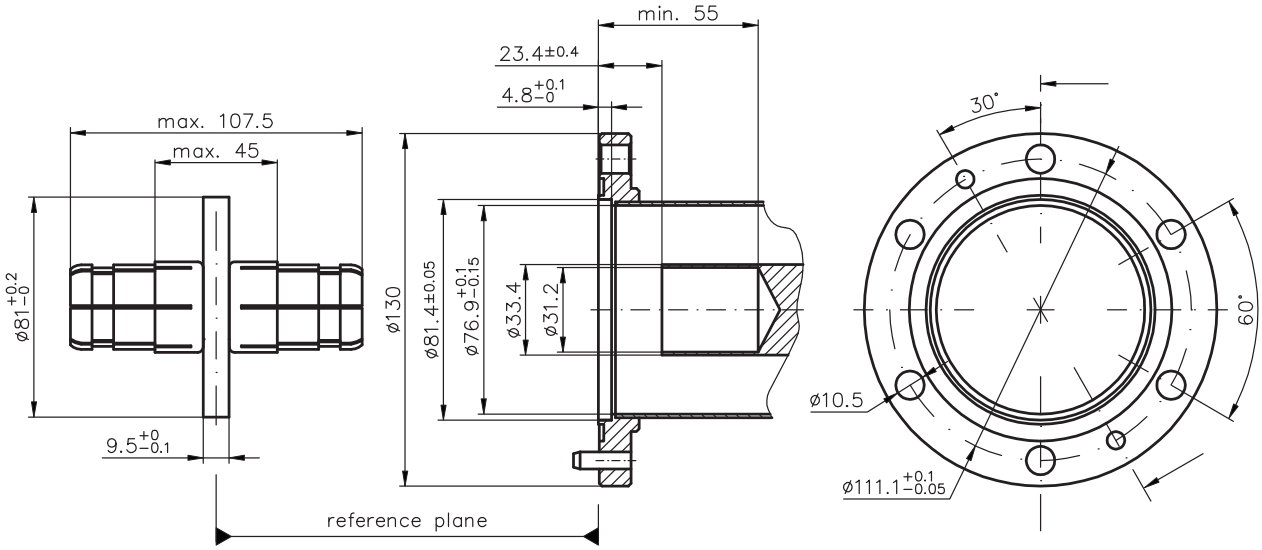


RL 318.22



RL 318.01

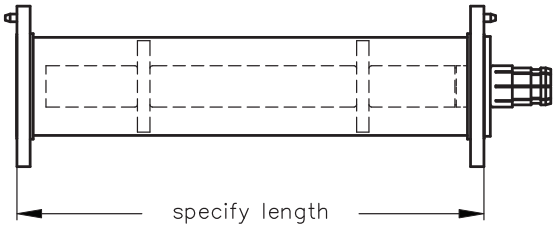
Outer Conductor: high conductivity hard drawn copper tubing
(∅ 79.4 mm. x ∅ 76.9 mm.)
Inner Conductor: high conductivity hard drawn copper tubing
(∅ 33.4 mm. x ∅ 31.3 mm.)
Insulation Material: virgin PTFE



Mating Face Dimension - 3 1/8”
(EIA standard RS-225)

* All dimensions shown are in milimeters.
* Drawings not to scale.

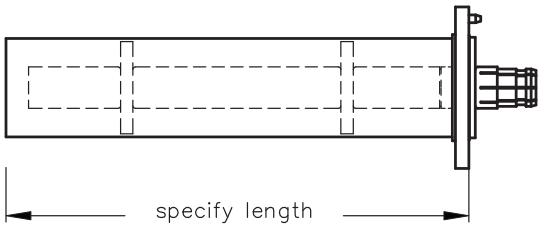
Line size 3 1/8”



Line assembly, flanged with fixed and swivel flange. Brass and copper construction. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 318.01

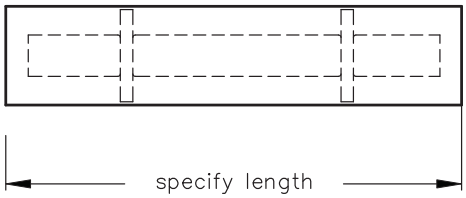
Line size 3 1/8”



Line assembly, one end fixed flanged. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 318.02

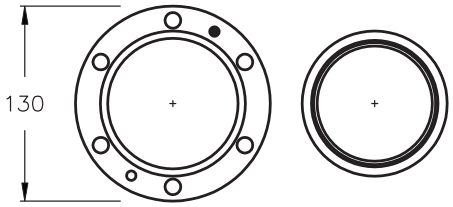
Line size 3 1/8”



Line assembly, unflanged, no insulator conductor connector or hardware.

RL 318.04

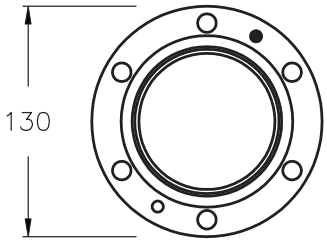
Line size 3 1/8”



Swivel EIA flange, brass. Includes only sliding and fixed ring prepared for silver brazing to outer conducting tubing.

RL 318.06

Line size 3 1/8”

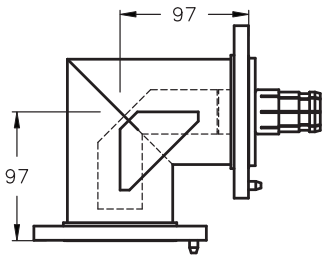


Fixed EIA flange with silver solder ring insert for silver brazing to outer conducting tubing.

RL 318.08

* All dimensions shown are in milimeters.
* Drawings not to scale.

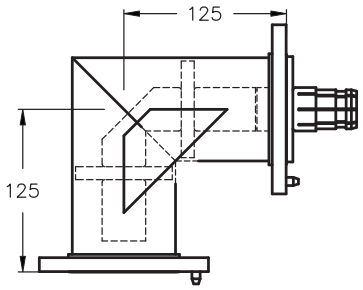
Line size 3 1/8”



Miter elbow 90°, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes unsupported inner conductor, one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 318.11

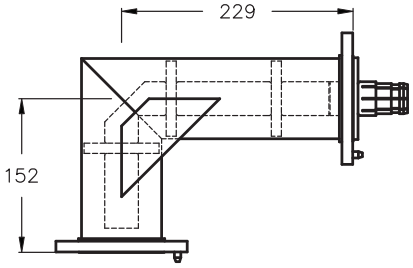
Line size 3 1/8”



Miter elbow 90°, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes supported inner conductor, anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 318.14

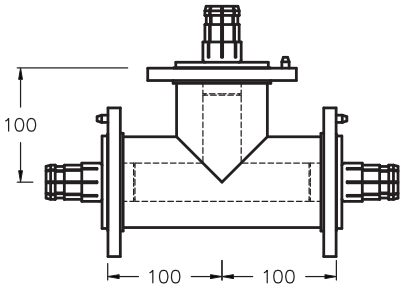
Line size 3 1/8”



Miter elbow 90°-unequal legs, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes supported inner conductor, one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 318.16

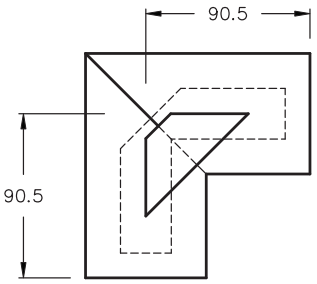
Line size 3 1/8”



Tee assembly, swivel EIA flanges. Includes three anchor insulator connectors, O-rings and hardware sets.

RL 318.19

Line size 3 1/8”

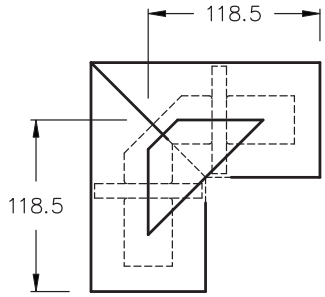


Miter elbow 90°-unflanged, reinforced outside, copper construction. Includes only one unsupported inner conductor.

RL 318.22

* All dimensions shown are in milimeters.
* Drawings not to scale.

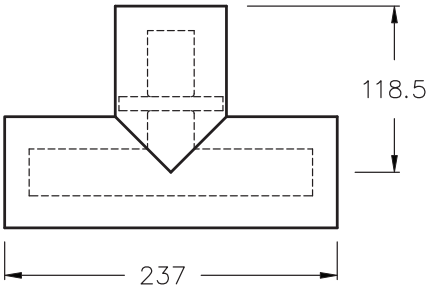
Line size 3 1/8”



Miter elbow 90°-unflanged, long legs, reinforced outside, copper constuction. Includes only one supported inner conductor.

RL 318.25

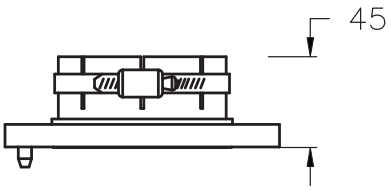
Line size 3 1/8”



Tee assembly, unflanged, copper construction. Includes only supported inner conductor.

RL 318.28

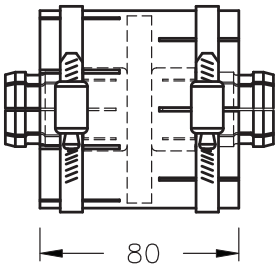
Line size 3 1/8”



Unpressurized EIA field flange for indoor use. Includes one stainless steel hose clamp and hardware set.

RL 318.30

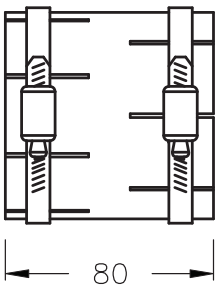
Line size 3 1/8”



Line coupling for connection of unflanged lines. Includes supported inner conductor connector and two stainless steel hose clamps.

RL 318.32

Line size 3 1/8”

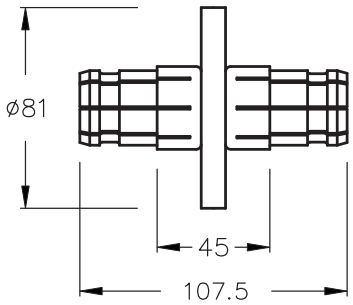


Line coupling for connection of unflanged lines. No inner conductor connector. Includes two stainless steel hose clamps (does not increase outer conductor length).

RL 318.33

* All dimensions shown are in milimeters.
* Drawings not to scale.

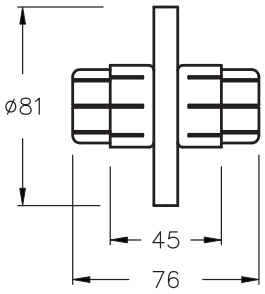
Line size 3 1/8”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Standard lenght.***

RL 318.35

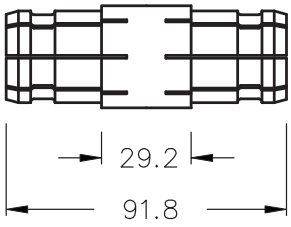
Line size 3 1/8”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Short version***.

RL 318.36

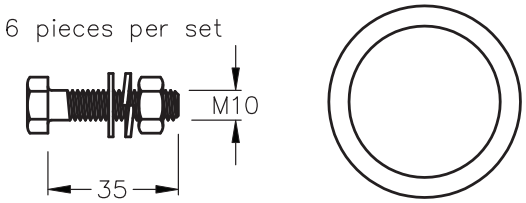
Line size 3 1/8”



Unsupported inner conductor connector.

RL 318. 40

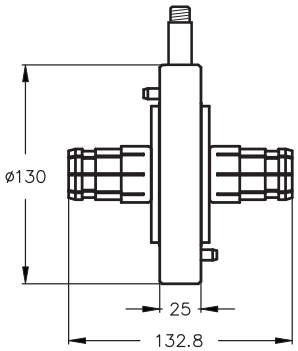
Line size 3 1/8”



Stainless steel hardware set with silicone rubber O-ring.

RL 318.45

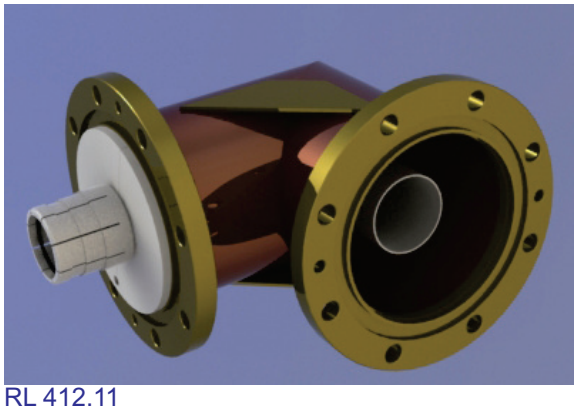
Line size 3 1/8”

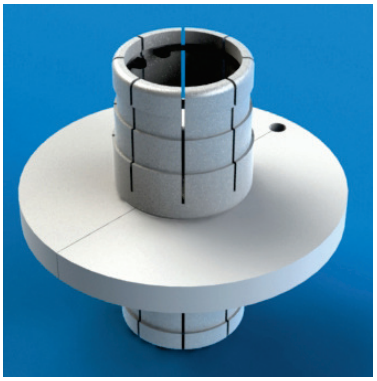


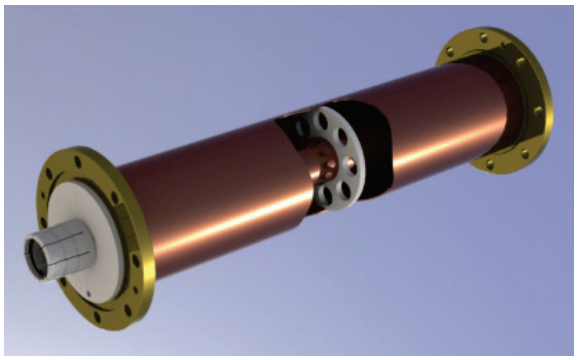
Gas barrier with silicone O-ring and stainless steel hardware set.

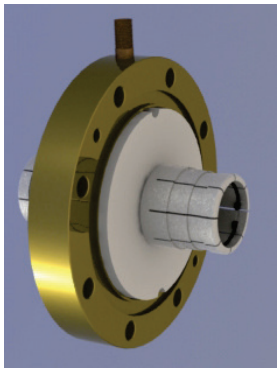
RL 318.50

* All dimensions shown are in milimeters.
* Drawings not to scale.

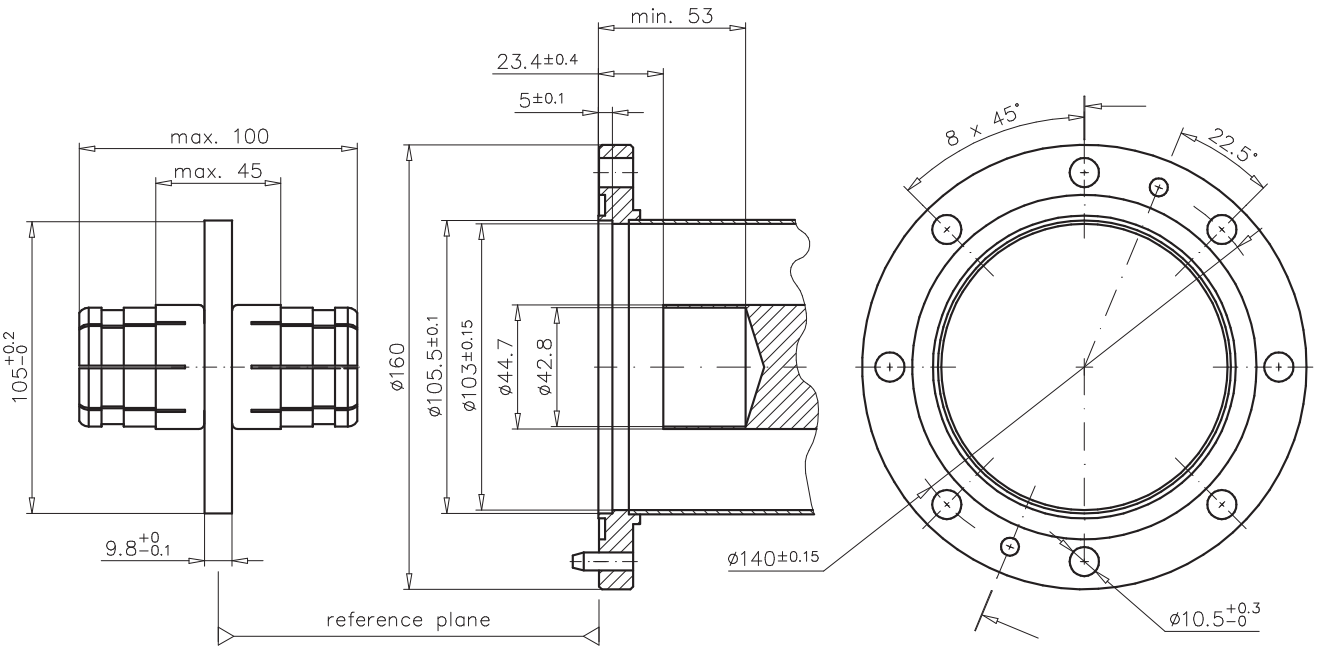

RL 412.11


RL 412.35


RL 412.01


RL 412.50

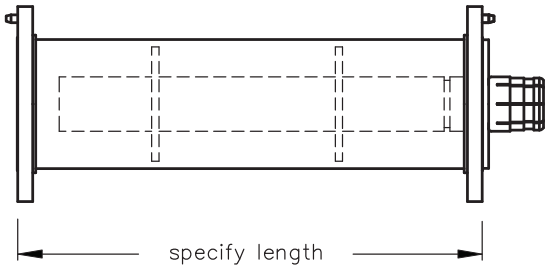
Outer Conductor:	high conductivity hard drawn copper tubing (∅ 106 mm. x ∅ 103 mm.)
Inner Conductor:	high conductivity hard drawn copper tubing (∅ 44.7 mm. x ∅ 42.8 mm.)
Insulation Material:	virgin PTFE



Mating Face Dimension - 4 1/2”

* All dimensions shown are in milimeters.
* Drawings not to scale.

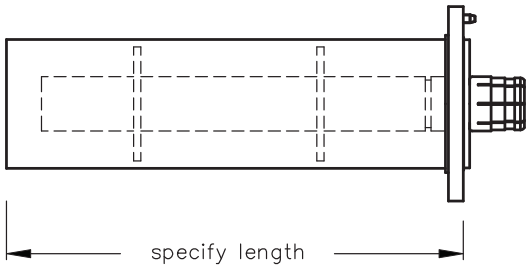
Line size 4 1/2”



Line assembly, flanged with fixed and swivel flange. Brass and copper construction. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 412.01

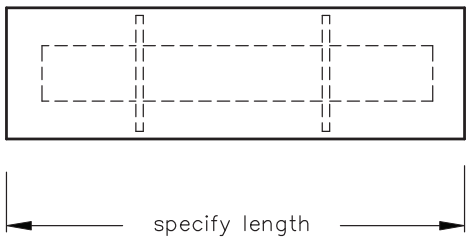
Line size 4 1/2”



Line assembly, one end fixed flanged. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 412.02

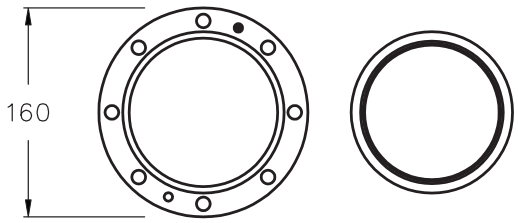
Line size 4 1/2”



Line assembly, unflanged, no insulator conductor connector or hardware.

RL 412.04

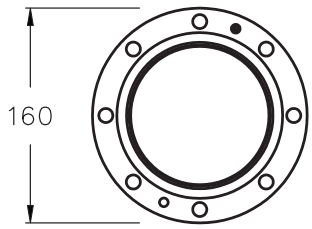
Line size 4 1/2”



Swivel EIA flange, brass. Includes only sliding and fixed ring prepared for silver brazing to outer conducting tubing.

RL 412.06

Line size 4 1/2”

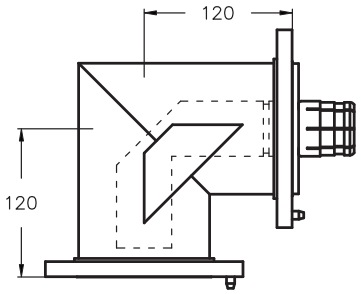


Fixed EIA flange with silver solder ring insert for silver brazing to outer conducting tubing.

RL 412.08

* All dimensions shown are in milimeters.
* Drawings not to scale.

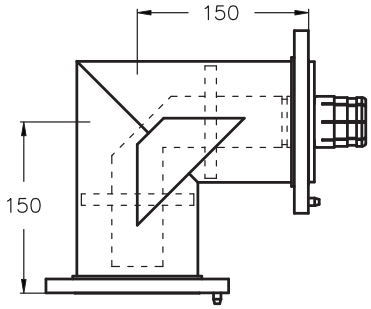
Line size 4 1/2 ”



Miter elbow 90°, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes unsupported inner conductor, one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 412.11

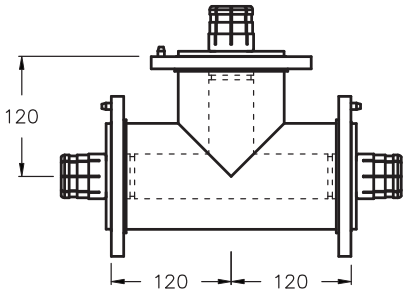
Line size 4 1/2 ”



Miter elbow 90°, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes supported inner conductor, anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 412.14

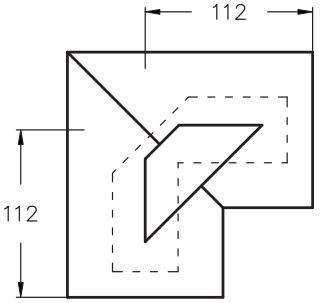
Line size 4 1/2 ”



Tee assembly, swivel EIA flanges. Includes three anchor insulator connectors, O-rings and hardware sets.

RL 412.19

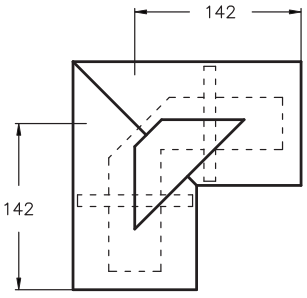
Line size 4 1/2 ”



Miter elbow 90°-unflanged, reinforced outside, copper construction. Includes only one unsupported inner conductor.

RL 412.22

Line size 4 1/2 ”

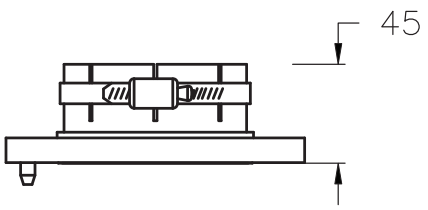


Miter elbow 90°-unflanged, long legs, reinforced outside, copper construction. Includes only one supported inner conductor.

RL 412.25

* All dimensions shown are in milimeters.
* Drawings not to scale.

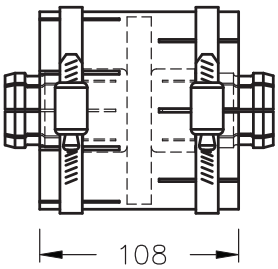
Line size 4 1/2”



Unpressurized EIA field flange for indoor use. Includes one stainless steel hose clamp and hardware set.

RL 412.30

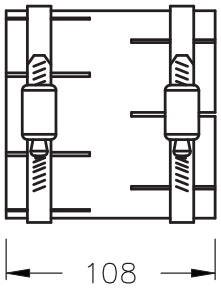
Line size 4 1/2”



Line coupling for connection of unflanged lines. Includes supported inner conductor connector and two stainless steel hose clamps.

RL 412.32

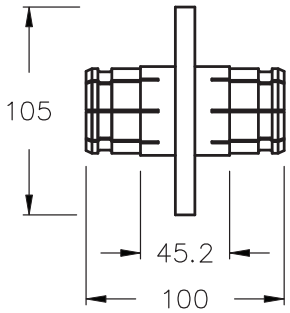
Line size 4 1/2”



Line coupling for connection of unflanged lines. No inner conductor connector. Includes two stainless steel hose clamps (does not increase outer conductor length).

RL 412.33

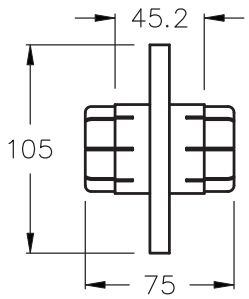
Line size 4 1/2”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Standard lenght.***

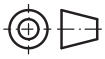
RL 412.35

Line size 4 1/2”



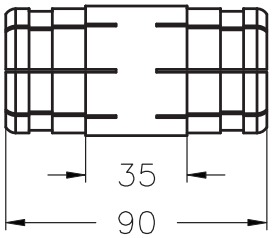
Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Short version***.

RL 412.36



* All dimensions shown are in milimeters.
* Drawings not to scale.

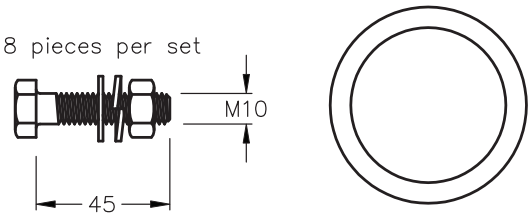
Line size 4 1/2 ”



Unsupported inner conductor connector.

RL 412.40

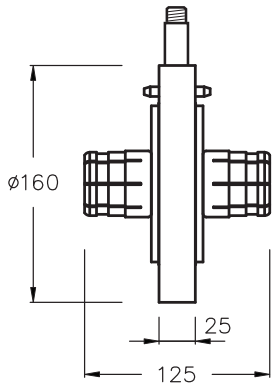
Line size 4 1/2 ”



Stainless steel hardware set with silicone rubber O-ring.

RL 412.45

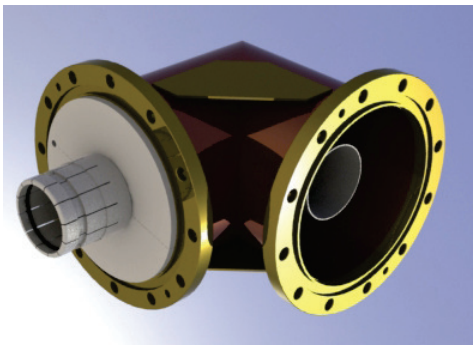
Line size 4 1/2 ”



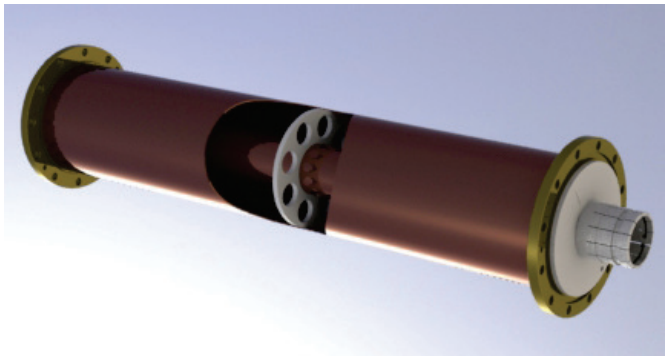
Gas barrier with silicone O-ring and stainless steel hardware set.

RL 412.50

* All dimensions shown are in milimeters.
* Drawings not to scale.

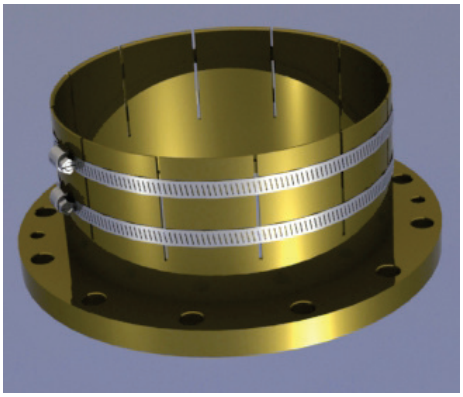


RL 618.11



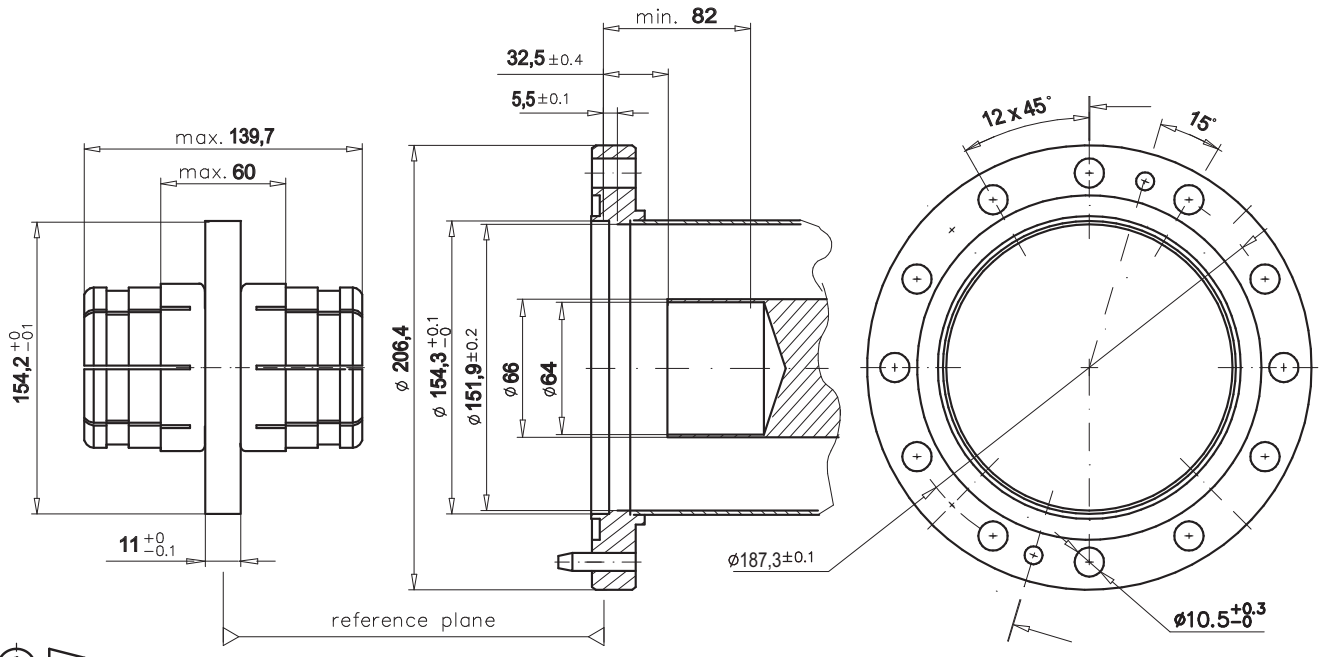
RL 618.01

RL 618.35



RL 618.50

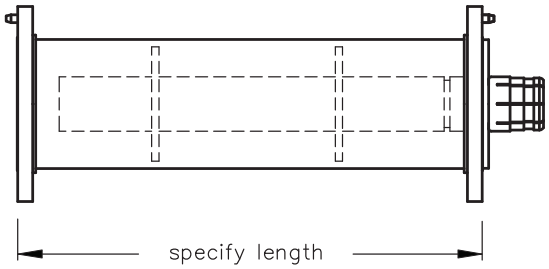
Outer Conductor:	high conductivity hard drawn copper tubing (∅ 155,6 mm. x ∅ 151,9 mm.)
Inner Conductor:	high conductivity hard drawn copper tubing (∅ 66 mm. x ∅ 64 mm.)
Insulation Material:	virgin PTFE



Mating Face Dimension - 6 1/8”

* All dimensions shown are in milimeters.
* Drawings not to scale.

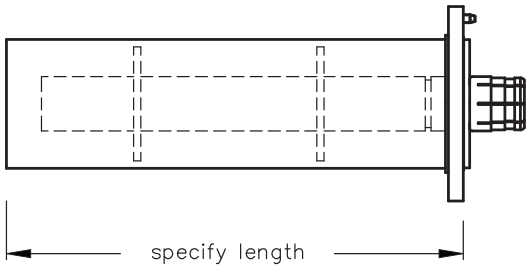
Line size 6 1/8”



Line assembly, flanged with fixed and swivel flange. Brass and copper construction. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 618.01

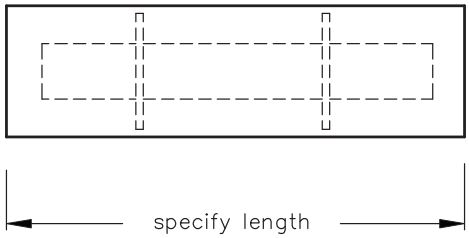
Line size 6 1/8”



Line assembly, one end fixed flanged. Includes one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 618.02

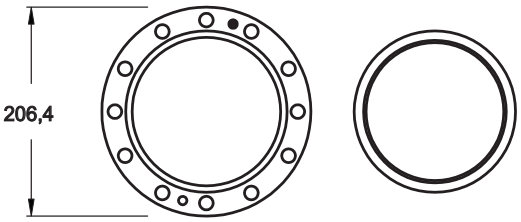
Line size 6 1/8”



Line assembly, unflanged, no insulator conductor connector or hardware.

RL 618.04

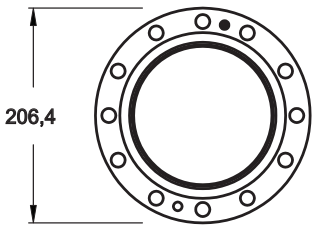
Line size 6 1/8”



Swivel EIA flange, brass. Includes only sliding and fixed ring prepared for silver brazing to outer conducting tubing.

RL 618.06

Line size 6 1/8”

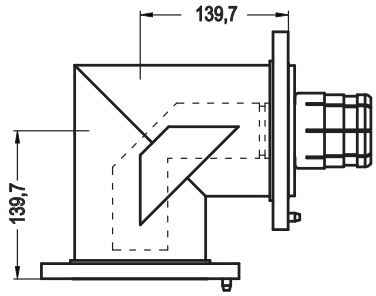


Fixed EIA flange with silver solder ring insert for silver brazing to outer conducting tubing.

RL 618.08

* All dimensions shown are in milimeters.
* Drawings not to scale.

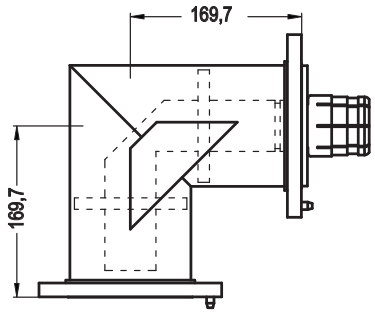
Line size 6 1/8”



Miter elbow 90°, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes unsupported inner conductor, one anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 618.11

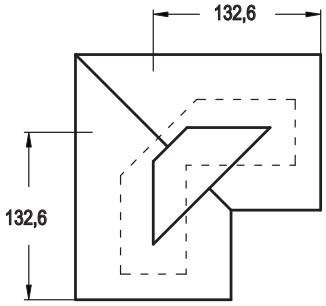
Line size 6 1/8”



Miter elbow 90°, swivel EIA flanges on both ends, reinforced outside, brass and copper construction. Includes supported inner conductor, anchor insulator conductor connector, silicone O-ring and stainless steel hardware set.

RL 618.14

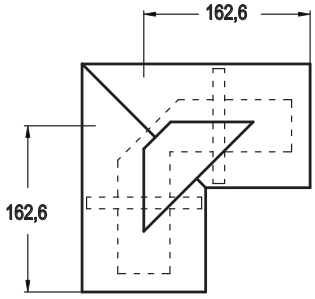
Line size 6 1/8”



Miter elbow 90°-unflanged, reinforced outside, copper construction. Includes only one unsupported inner conductor.

RL 618.22

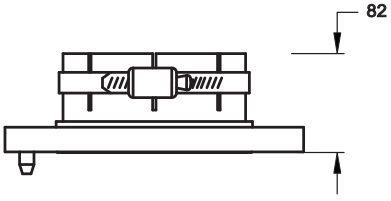
Line size 6 1/8”



Miter elbow 90°-unflanged, long legs, reinforced outside, copper construction. Includes only one supported inner conductor.

RL 618.25

Line size 6 1/8”

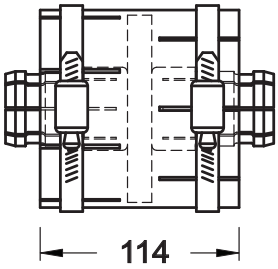


Unpressurized EIA field flange for indoor use. Includes one stainless steel hose clamp and hardware set.

RL 618.30

* All dimensions shown are in milimeters.
* Drawings not to scale.

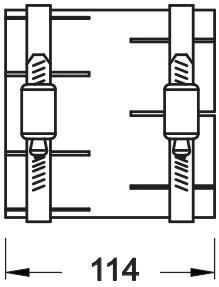
Line size 6 1/8”



Line coupling for connection of unflanged lines. Includes supported inner conductor connector and two stainless steel hose clamps.

RL 618.32

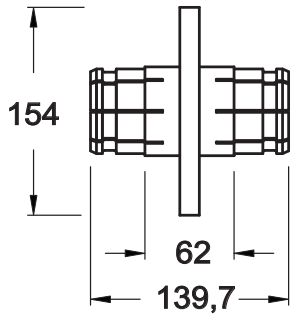
Line size 6 1/8”



Line coupling for connection of unflanged lines. No inner conductor connector. Includes two stainless steel hose clamps (does not increase outer conductor length).

RL 618.33

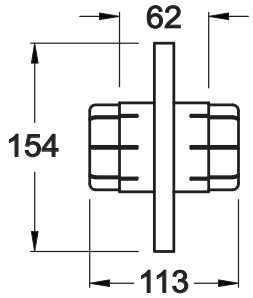
Line size 6 1/8”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Standard lenght.***

RL 618.35

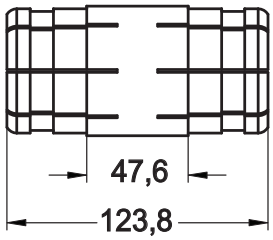
Line size 6 1/8”



Anchor insulator conductor connector, for EIA flange connection, silver plated. ***Short version***.

RL 618.36

Line size 6 1/8”

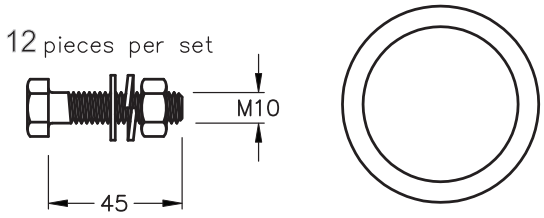


Unsupported inner conductor connector.

RL 618.40

* All dimensions shown are in milimeters.
* Drawings not to scale.

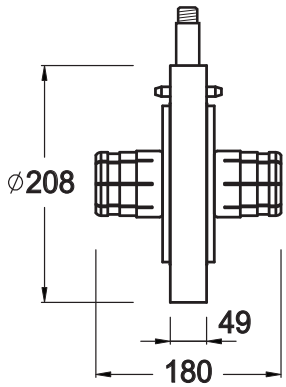
Line size 6 1/8”



Stainless steel hardware set with silicone rubber O-ring.

RL 618.45

Line size 6 1/8”



Gas barrier with silicone O-ring and stainless steel hardware set.

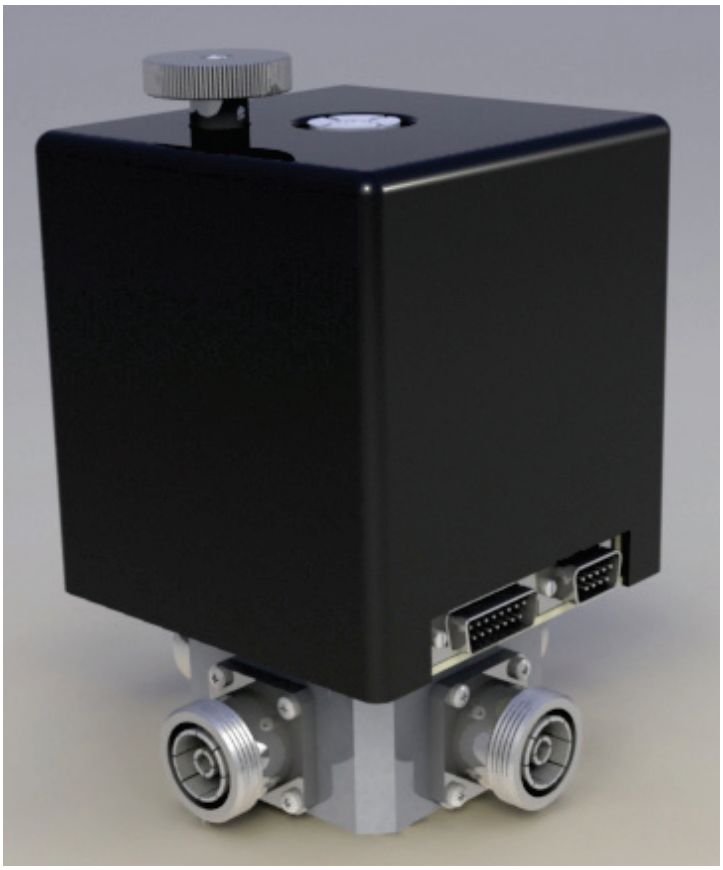
RL 618.50

* All dimensions shown are in milimeters.
* Drawings not to scale.

Motorized RF Power Transfer Switch 7/16” 50 Ω

model	power source
SW 716.01	24 VDC
SW 716.02	110 VAC *
SW 716.03	230 VAC *

* electro motors are 24 VDC (transformers included)



The models SW 716.01, SW 716.02 and SW 716.03 are motor-driven, two-way coaxial transfer switches designed to change coaxial connections with a minimum off-air-time.Mainly they are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminium cavity has four ports terminated with standard 7/16” DIN female interfaces. The assembly is not gas-tight. The switch is equipped with a mechanical position indicator and emergency knob for manual operating.

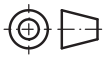
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 1000 MHz
Terminals	four 7/16” DIN female interfaces
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	1000
kW	9	6	4	3	2,2	1,4

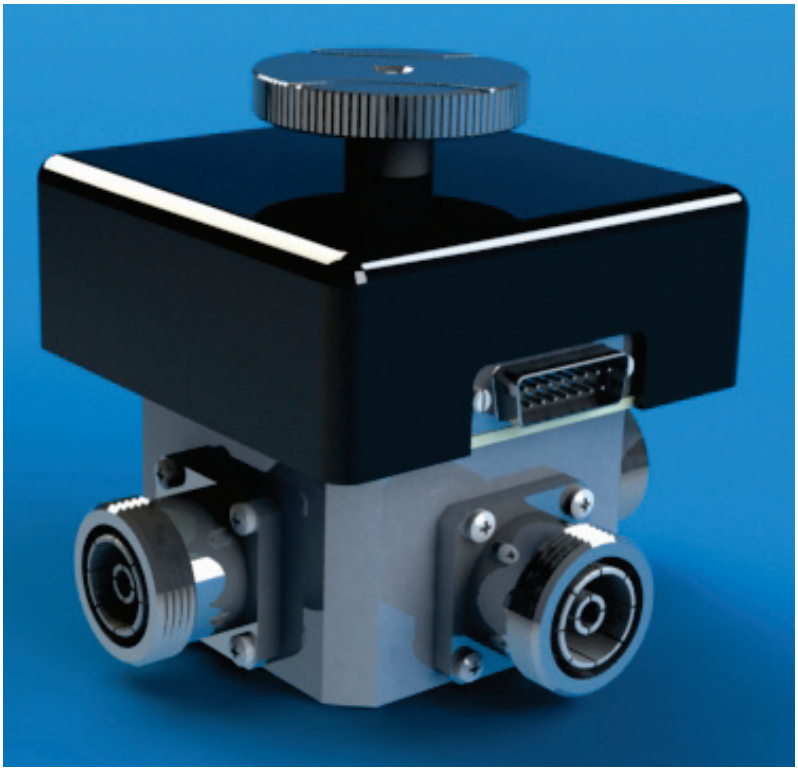
Isolation	more than 60 dB
Switching time	1 second
Test voltage AC 50Hz	3 kV peak
Overal dimensions	120x120x180



* All dimensions shown are in milimeters.
* Drawings not to scale.

Manual RF Power Transfer Switch 7/16” 50 Ω

model	power source
SW 716.04	manual



The model SW 716.04 is two-way coaxial transfer switch designed for easy and reliable manual switching of transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminium cavity has four ports terminated with standard 7/16” DIN female interfaces. The assembly is not gas-tight.
Besides handwheel for manual operating, the switch is equiped with a mechanical position indicator.

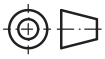
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 1000 MHz
Terminals	four 7/16” DIN female interfaces
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	1000
kW	9	6	4	3	2,2	1,4

Isolation	more than 60 dB
Test voltage AC 50Hz	3 kV peak
Overal dimensions	120x120x105

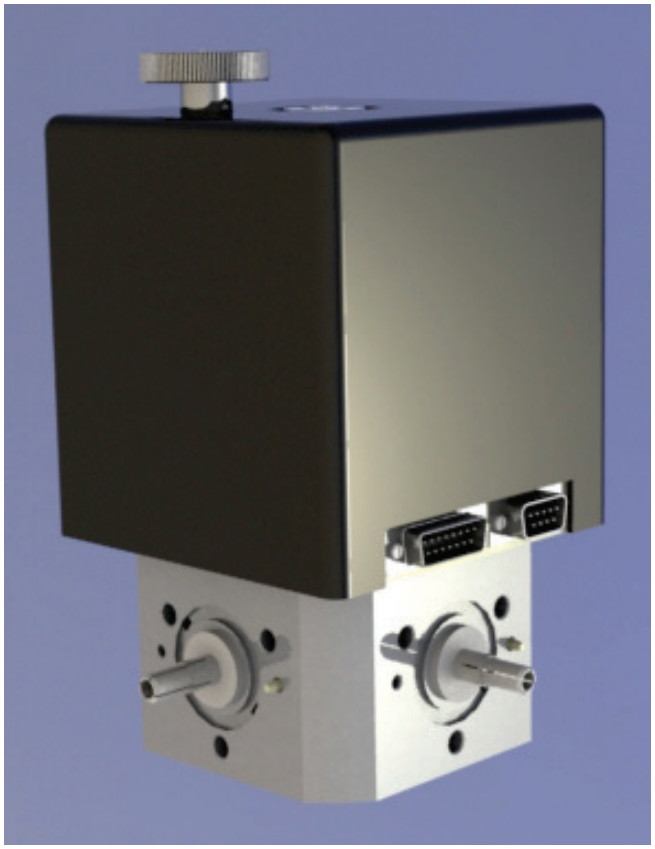


* All dimensions shown are in milimeters.
* Drawings not to scale.

Motorized RF Power Transfer Switch 7/8” 50 Ω

model	power source
SW 78.01	24 VDC
SW 78.02	110 VAC *
SW 78.03	230 VAC *

* electro motors are 24 VDC (transformers included)



The models SW78.01, SW 78.02 and SW 78.03 are motor-driven, two-way coaxial transfer switches designed to change coaxial connections with a minimum off-air-time. Mainly they are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminium cavity has four ports terminated with standard 7/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight.
The switch is equipped with a mechanical position indicator and emergency knob for manual operating.

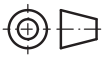
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 1000 MHz
Terminals	four 7/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	1000
kW	14	8	4,5	3,5	2,3	1,7

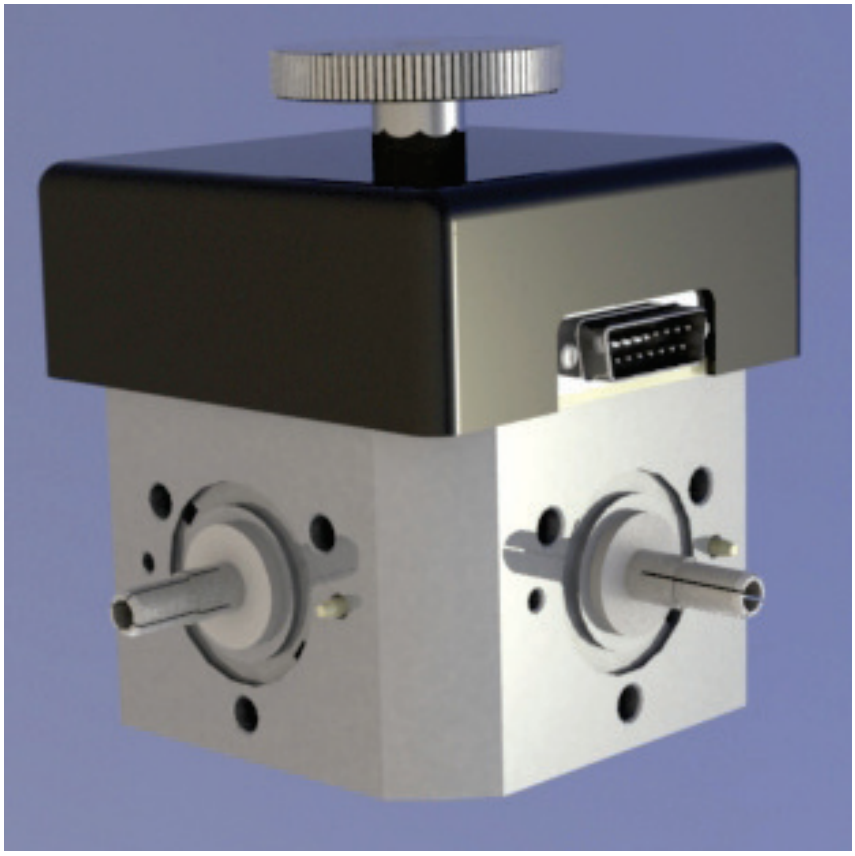
Isolation	more than 60 dB
Switching time	1 second
Test voltage AC 50Hz	4,5 kV peak
Overal dimensions	140x140x195



* All dimensions shown are in milimeters.
* Drawings not to scale.

Manual RF Power Transfer Switch 7/8” EIA 50 Ω

model	power source
SW 78.04	manual



The model SW 78.04 is two-way coaxial transfer switch designed for easy and reliable manual switching of transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance. The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminium cavity has four ports terminated with standard 7/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight. Besides handwheel for manual operating, the switch is equiped with a mechanical position indicator.

Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 1000 MHz
Terminals	four 7/8’ EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	1000
kW	14	8	4,5	3,5	2,3	1,7

Isolation	more than 60 dB
Test voltage AC 50Hz	4,5 kV peak
Overal dimensions	140x140x115

* All dimensions shown are in milimeters.
* Drawings not to scale.

Motorized RF Power Transfer Switch 1 5/8” 50 Ω

model	power source
SW 158.01	24 VDC
SW 158.02	110 VAC *
SW 158.03	230 VAC *

* electro motors are 24 VDC (transformers included)

The models SW 158.01, SW 158.02 and SW 158.03 are motor-driven, two-way coaxial transfer switches designed to change coaxial connections with a minimum off-air-time. Mainly they are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminium cavity has four ports terminated with standard 1 5/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight. The switch is equipped with a mechanical position indicator and emergency knob for manual operating.

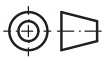
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 1000 MHz
Terminals	four 1 5/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	1000
kW	90	26	14	10	6	4

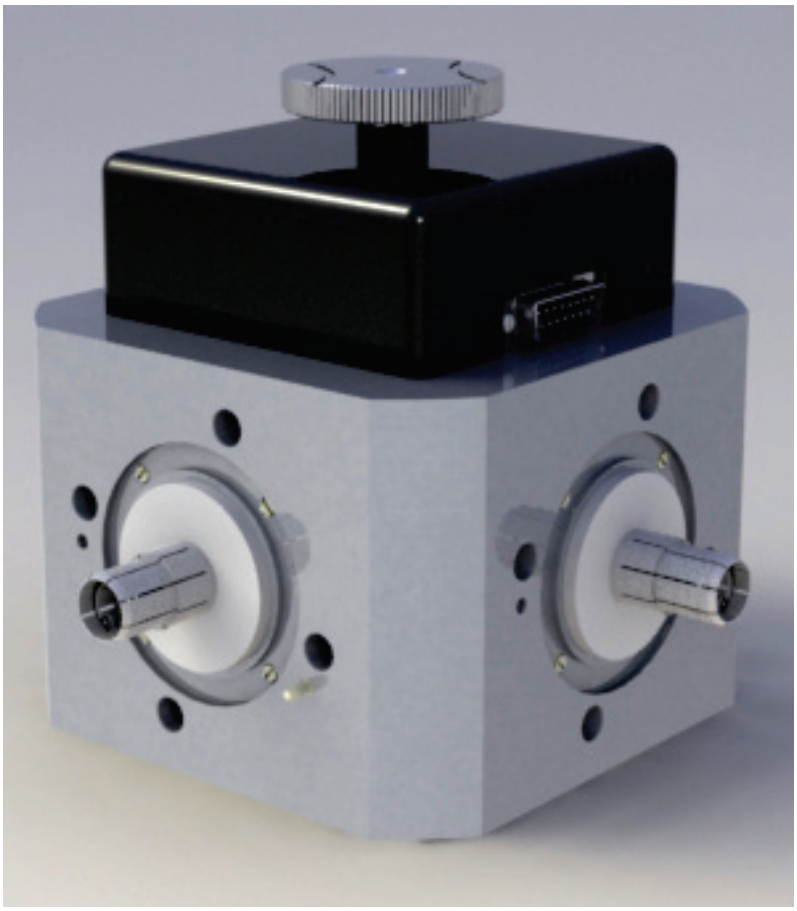
Isolation	more than 60 dB
Switching time	1 second
Test voltage AC 50Hz	8 kV peak
Overal dimensions	190x190x230



* All dimensions shown are in milimeters.
* Drawings not to scale.

Manual RF Power Transfer Switch 1 5/8” EIA 50 Ω

model	power source
SW 158.04	manual



The model SW 158.04 is two-way coaxial transfer switch designed for easy and reliable manual switching of transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminium cavity has four ports terminated with standard 1 5/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight.
Besides handwheel for manual operating, the switch is equiped with a mechanical position indicator.

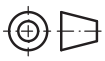
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 1000 MHz
Terminals	four 1 5/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	1000
kW	90	26	14	10	6	4

Isolation	more than 60 dB
Test voltage AC 50Hz	8 kV peak
Overal dimensions	190x190x150

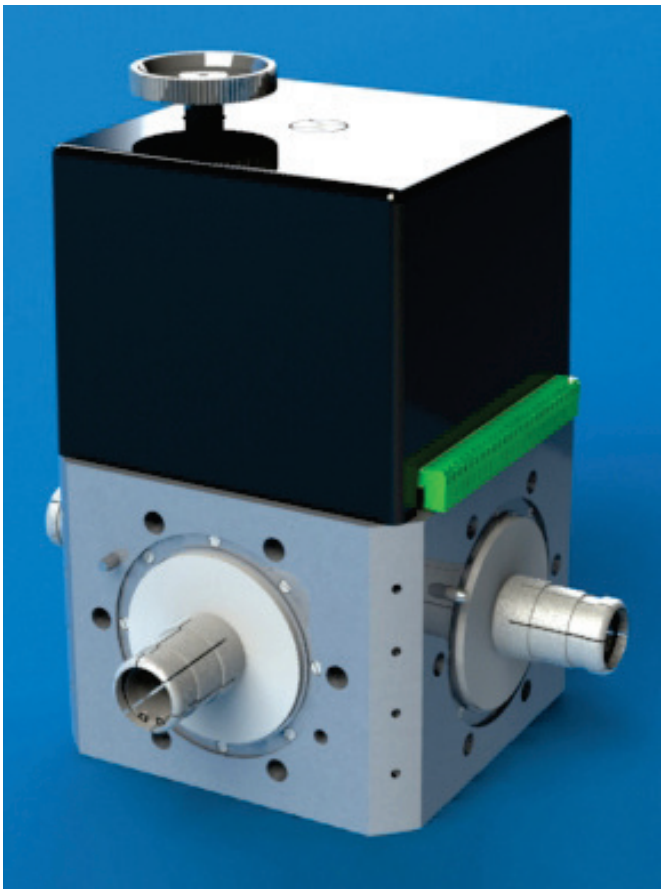


* All dimensions shown are in milimeters.
* Drawings not to scale.

Motorized RF Power Transfer Switch 3 1/8” 50 Ω

model	power source
SW 318.01	24 VDC
SW 318.02	110 VAC *
SW 318.03	230 VAC *

* electro motors are 24 VDC (transformers included)



The models SW 318.01, SW 318.02 and SW 318.03 are motor-driven two-way coaxial transfer switches designed to change coaxial connections with a minimum off-air-time. Mainly they are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminum RF cavity has four ports terminated with 3 1/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas tight.
The switch is equipped with a mechanical position indicator and emergency knob for manual operating.

Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 900 MHz
Terminals	four 3 1/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

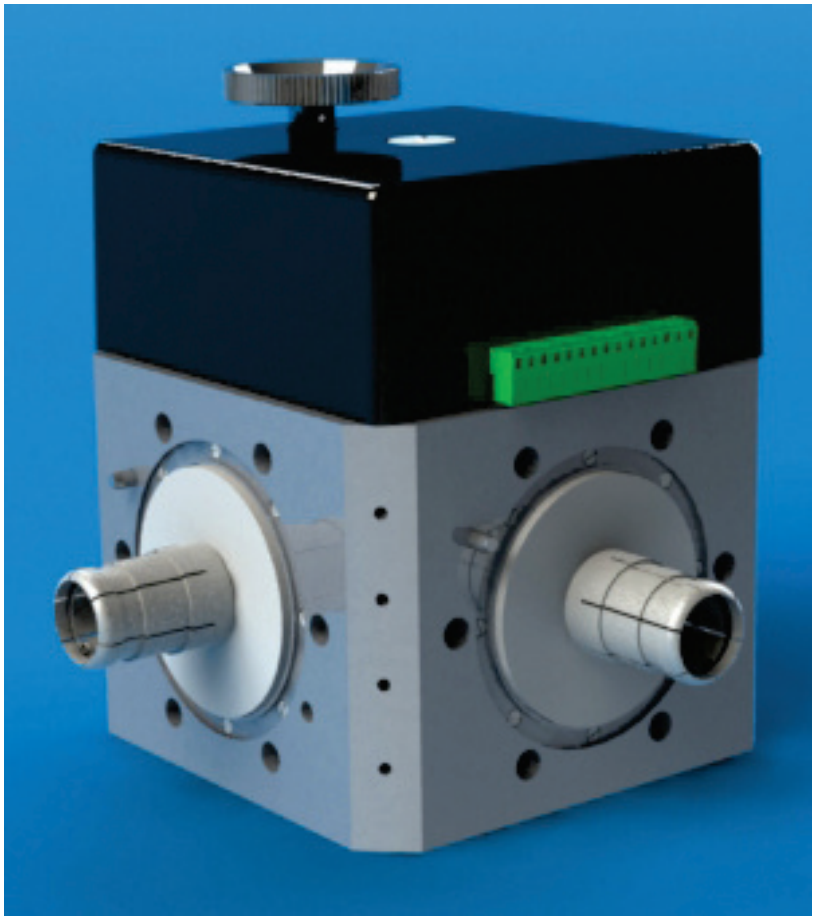
MHz	2	30	100	200	500	900
kW	140	80	45	30	18	14

Isolation	more than 60 dB
Switching time	2 seconds
Test voltage AC 50Hz	18 kV peak
Overal dimensions	275x275x285

* All dimensions shown are in milimeters.
* Drawings not to scale.

Manual RF Power Transfer Switch 3 1/8” EIA 50 Ω

model	power source
SW 318.04	manual



The model SW 318.04 is two-way coaxial transfer switch designed for easy and reliable manual switching of transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminum RF cavity has four ports terminated with 3 1/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight
Besides handwheel for manual operating, the switch is eqquiped with a mechanical position indicator.

Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 900 MHz
Terminals	four 3 1/8’ EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	900
kW	140	80	45	30	18	14

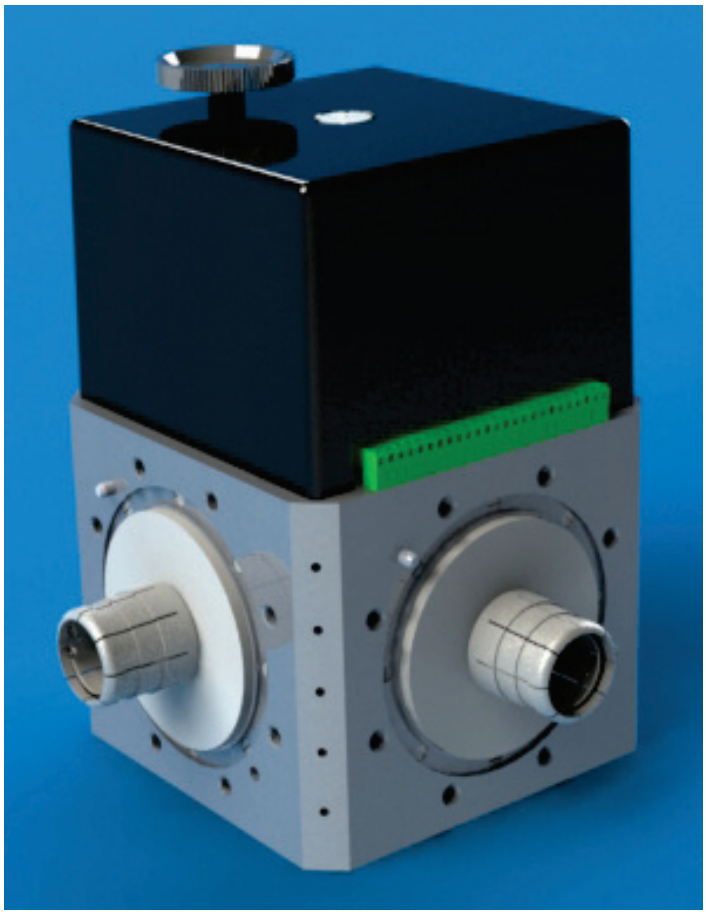
Isolation	more than 60 dB
Test voltage AC 50Hz	18 kV peak
Overal dimensions	275x275x285

* All dimensions shown are in milimeters.
* Drawings not to scale.

Motorized RF Power Transfer Switch 4 1/2“ 50 Ω

model	power source
SW 412.01	24 VDC
SW 412.02	110 VAC *
SW 412.03	230 VAC *

* electro motors are 24 VDC (transformers included)



The models SW 412.01, SW 412.02 and SW 412.03 are motor-driven two-way coaxial transfer switches designed to change coaxial connections with a minimum off-air-time.Mainly they are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminum RF cavity has four ports terminated with 4 1/2” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight.
The switch is equipped with a mechanical position indicator and emergency knob for manual operating.

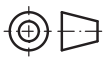
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 800 MHz
Terminals	four 4 1/2” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

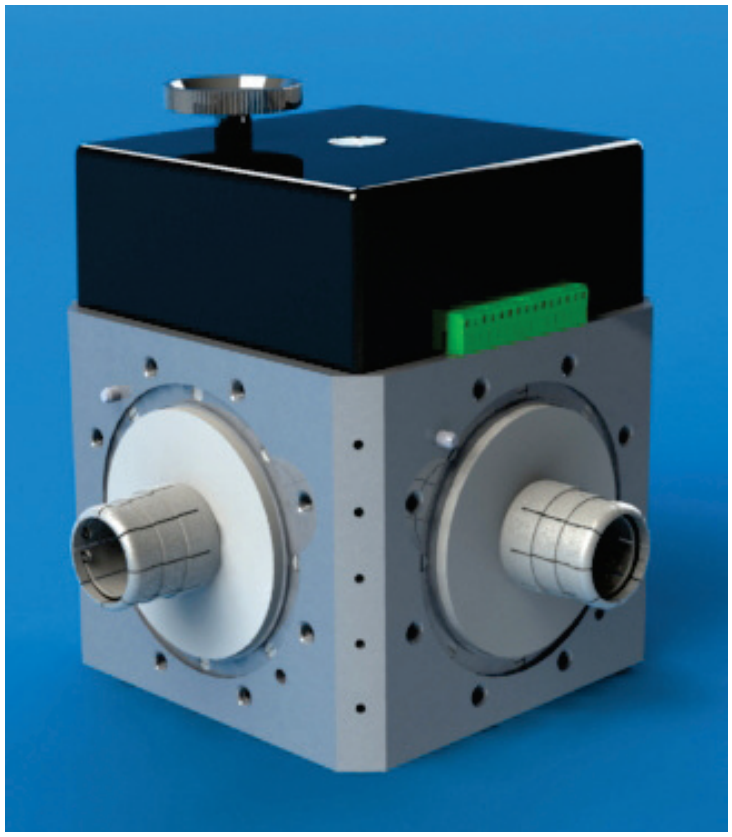
MHz	2	30	100	200	500	800
kW	220	130	70	53	32	25

Isolation	more than 60 dB
Switching time	2 seconds
Test voltage AC 50Hz	35 kV peak
Overal dimensions	290x290x310



* All dimensions shown are in milimeters.
* Drawings not to scale.

model	power source
SW 412.04	manual



The model SW 412.04 is two-way coaxial transfer switch designed for easy and reliable manual switching of transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminum RF cavity has four ports terminated with 4 1/2”EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight.
Besides handwheel for manual operating, the switch is equipped with a mechanical position indicator.

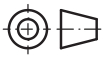
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 800 MHz
Terminals	four 4 1/2’ EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	800
kW	220	130	70	53	32	25

Isolation	more than 60 dB
Test voltage AC 50Hz	35 kV peak
Overal dimensions	290x290x255

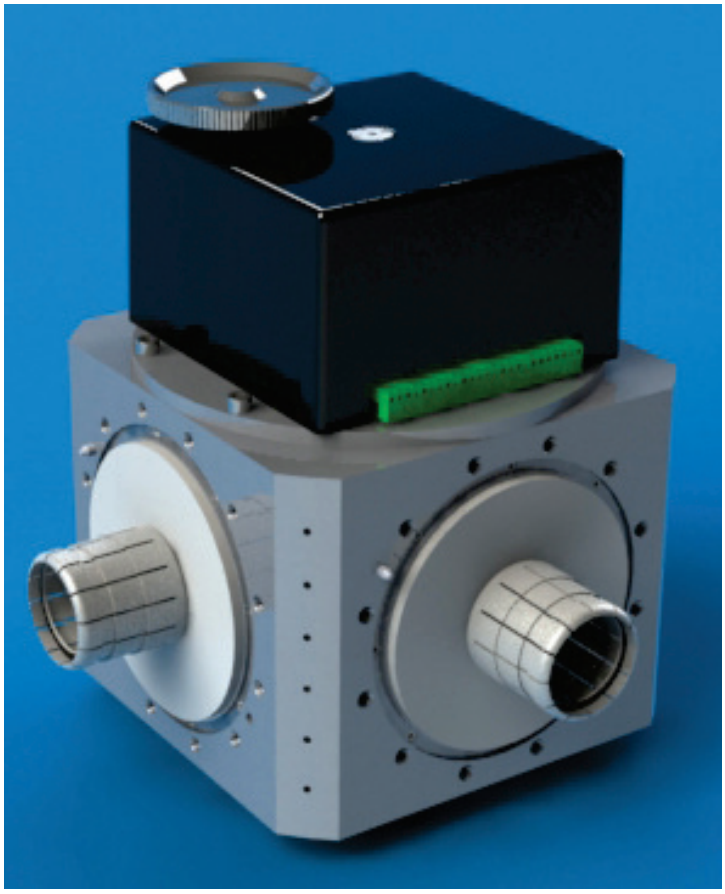


* All dimensions shown are in milimeters.
* Drawings not to scale.

Motorized RF Power Transfer Switch 6 1/8” 50 Ω

model	power source
SW 618.01	24 VDC
SW 618.02	110 VAC *
SW 618.03	230 VAC *

* electro motors are 24 VDC (transformers included)



The models SW 618.01, SW 618.02 and SW 618.03 are motor-driven two-way coaxial transfer switches designed to change coaxial connections with a minimum off-air-time.Mainly they are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminum RF cavity has four ports terminated with 6 1/8” EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight.
The switch is equipped with a mechanical position indicator and emergency knob for manual operating.

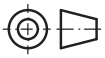
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 700 MHz
Terminals	four 6 1/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	700
kW	600	240	110	90	50	40

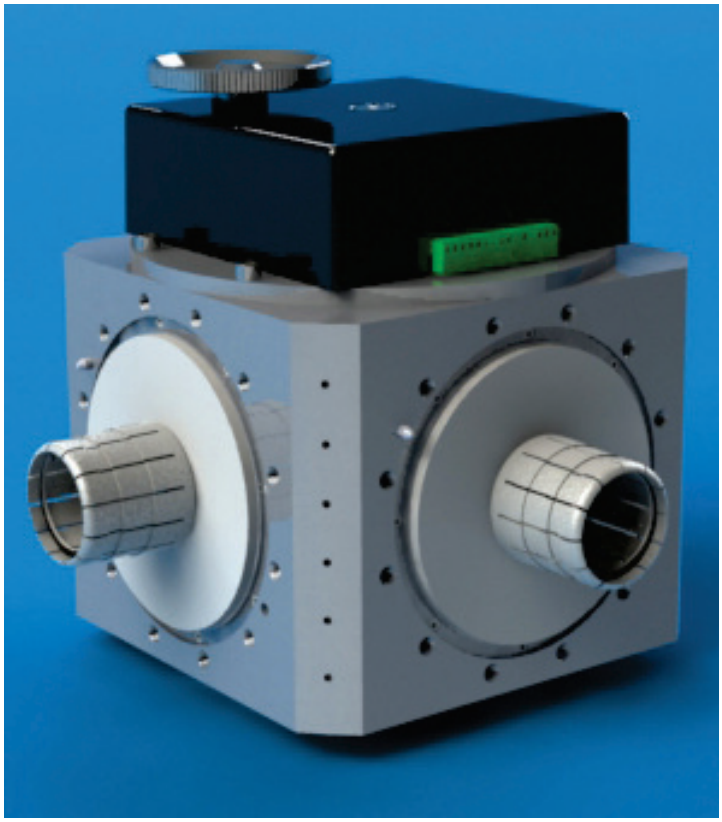
Isolation	more than 60 dB
Switching time	2 seconds
Test voltage AC 50Hz	40 kV peak
Overal dimensions	400x400x355



* All dimensions shown are in milimeters.
* Drawings not to scale.

Manual RF Power Transfer Switch 6 1/8” EIA 50 Ω

model	power source
SW 618.04	manual



The model SW 618.04 is two-way coaxial transfer switch designed for easy and reliable manual switching of transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
The coaxial switch provides two isolated RF paths for each switch connections. For prevention of any damage a couple of auxiliary microswitches are built in, that help the RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
The aluminum RF cavity has four ports terminated with 6 1/8”EIA flanges including non-removable inner conductor connectors. The assembly is not gas-tight.
Besides handwheel for manual operating, the switch is equipped with a mechanical position indicator.

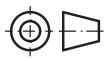
Specifications

Impedance	50 ohms
Frequency range	from 0.3 up to 700 MHz
Terminals	four 6 1/8’ EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	200	500	700
kW	600	240	110	90	50	40

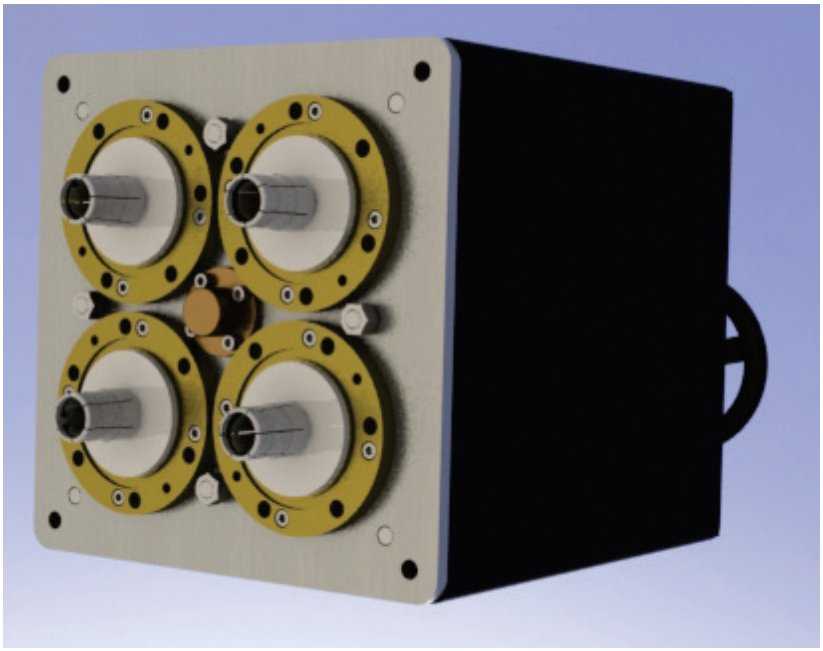
Isolation	more than 60 dB
Test voltage AC 50Hz	40 kV peak
Overal dimensions	400x400x310



* All dimensions shown are in milimeters.
* Drawings not to scale.

model	power source
SWU 318.01	24 VDC
SWU 318.03	110 VAC *
SWU 318.05	230 VAC *
SWU 318.07	manual

* electro motors are 24 VDC (transformers included)



The models SWU 318.01, SWU 318.03 and SWU 318.05 are motor driven, SWU 318.07 is manual U-Link type, two-way coaxial switches 3 1/8” EIA. They are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
A couple of auxilary microswitches are built in, provide RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
They are designed for easy and reliable switching of coaxial transmission lines and systems, and are suitable for multiplying in matrices.

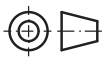
Specifications

Impedance	50 ohms
Frequency range	from 0 up to 1000 MHz
Terminals	four 3 1/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	500	1000
kW	240	85	42	18	15

Isolation	more than 100 dB
Switching time	3 seconds
Test voltage AC 50Hz	20 kV peak
Overal dimensions	330x330x510

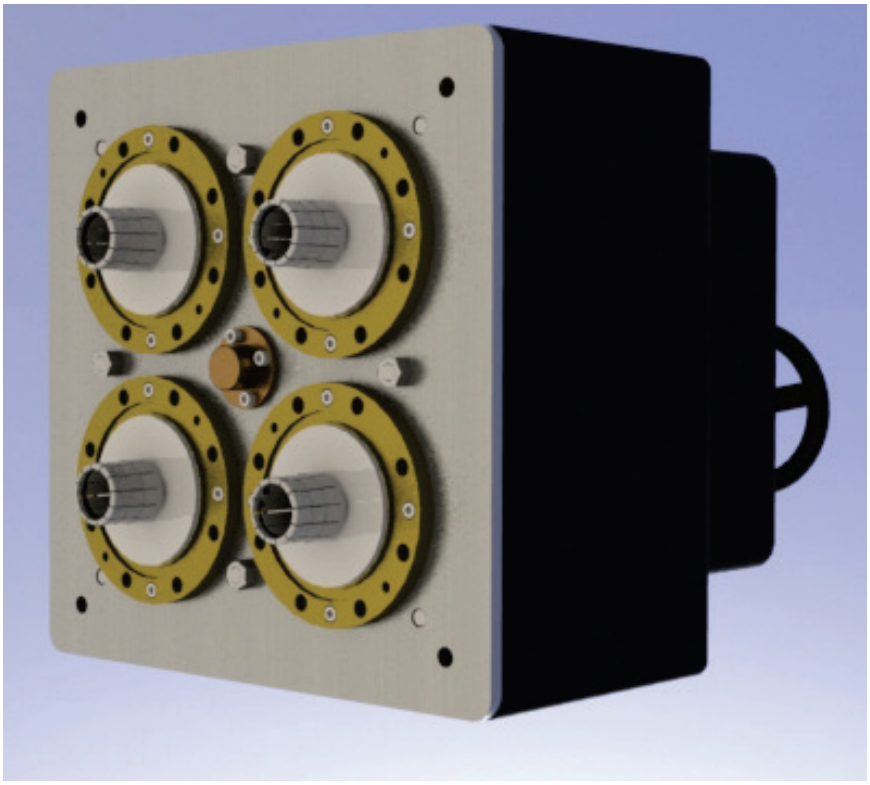


* All dimensions shown are in milimeters.
* Drawings not to scale.

Coaxial Switch U-Link 4 1/2” 50 Ω

model	power source
SWU 412.01	24 VDC
SWU 412.03	110 VAC *
SWU 412.05	230 VAC *
SWU 412.07	manual

* electro motors are 24 VDC (transformers included)



The models SWU 412.01, SWU 412.03 and SWU 412.05 are motor driven, SWU 412.07 is manual U-Link type, two-way coaxial switches 4 1/2”EIA . They are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
A couple of auxilary microswitches are built in, provide RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
They are designed for easy and reliable switching of coaxial transmission lines and systems, and are suitable for multiplying in matrices.

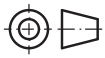
Specifications

Impedance	50 ohms
Frequency range	from 0 up to 900 MHz
Terminals	four 4 1/2” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	500	900
kW	430	150	70	32	23

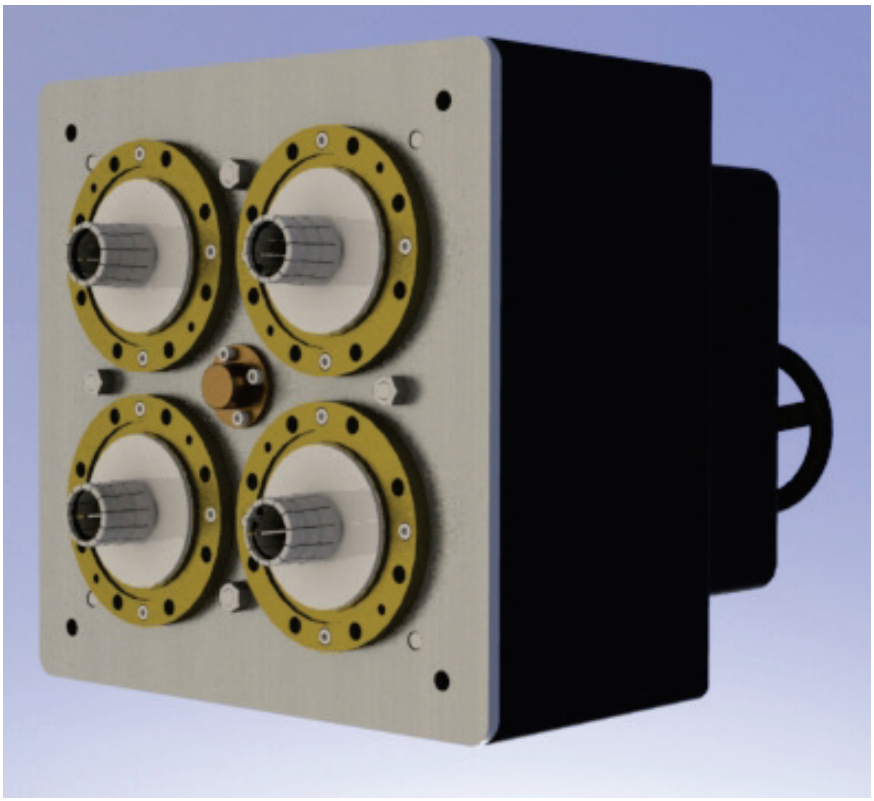
Isolation	more than 100 dB
Switching time	3 seconds
Test voltage AC 50Hz	30 kV peak
Overal dimensions	430x430x550



* All dimensions shown are in milimeters.
* Drawings not to scale.

model	power source
SWU 4116.01	24 VDC
SWU 4116.03	110 VAC *
SWU 4116.05	230 VAC *
SWU 4116.07	manual

* electro motors are 24 VDC (transformers included)



The models SWU 4116.01, SWU 4116.03 and SWU 4116.05 are motor driven, SWU 4116.07 is manual U-Link type, two-way coaxial switches 4 1/16” EIA. They are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
A couple of auxilary microswitches are built in, provide RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
They are designed for easy and reliable switching of coaxial transmission lines and systems, and are suitable for multiplying in matrices.

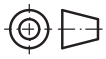
Specifications

Impedance	50 ohms
Frequency range	from 0 up to 900 MHz
Terminals	four 4 1/16” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

MHz	2	30	100	500	900
kW	430	150	70	32	23

Isolation	more than 100 dB
Switching time	3 seconds
Test voltage AC 50Hz	30 kV peak
Overal dimensions	430x430x550

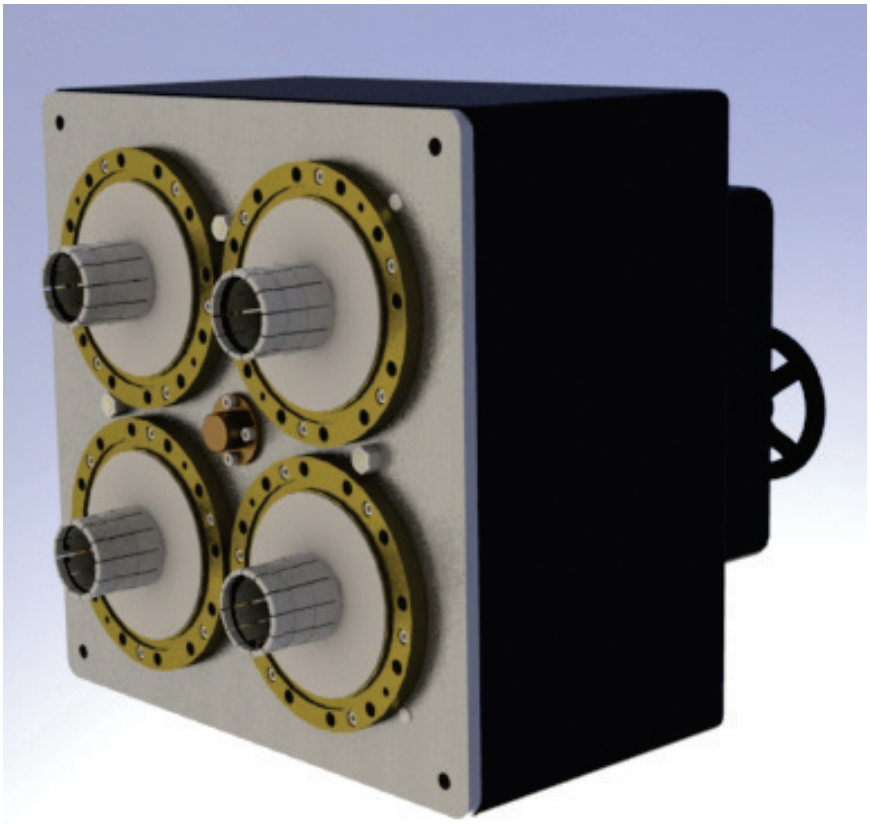


* All dimensions shown are in milimeters.
* Drawings not to scale.

Coaxial Switch U-Link 6 1/8” 50 Ω

model	power source
SWU 618.01	24 VDC
SWU 618.03	110 VAC *
SWU 618.05	230 VAC *
SWU 618.07	manual

* electro motors are 24 VDC (transformers included)



The models SWU 618.01, SWU 618.03 and SWU 618.05 are motor driven, SWU 618.07 is manual U-Link type, two-way coaxial switches 6 1/8” EIA. They are used for switching transmitters, antennas, dummy loads and other peripheral equipment in situations when broadcasting procedures are modified, when there is need for emergency repair, or during scheduled maintenance.
A couple of auxilary microswitches are built in provide RF power throughout the switch to be removed just before the RF spring contacts start to open and also to be established again just after the RF contacts reach their final position.
They are designed for easy and reliable switching of coaxial transmission lines and systems, and are suitable for multiplying in matrices.

Specifications

Impedance	50 ohms
Frequency range	from 0 up to 700 MHz
Terminals	four 6 1/8” EIA flanges, plug
VSWR	less than 1.05

Maximum power rating:

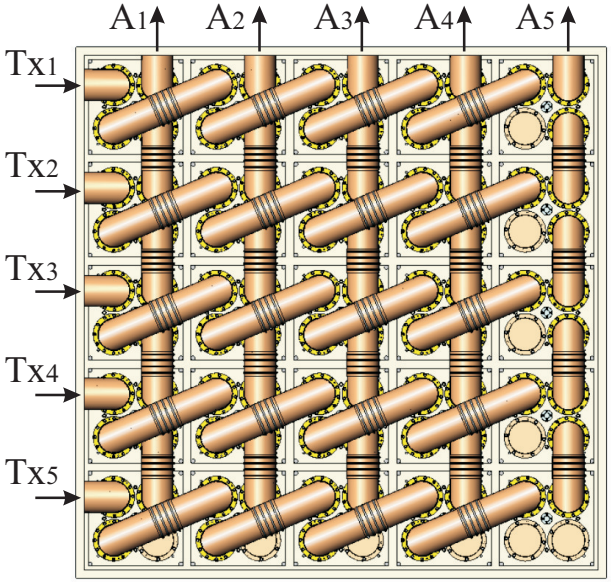
MHz	2	30	100	500	700
kW	800	250	120	55	42

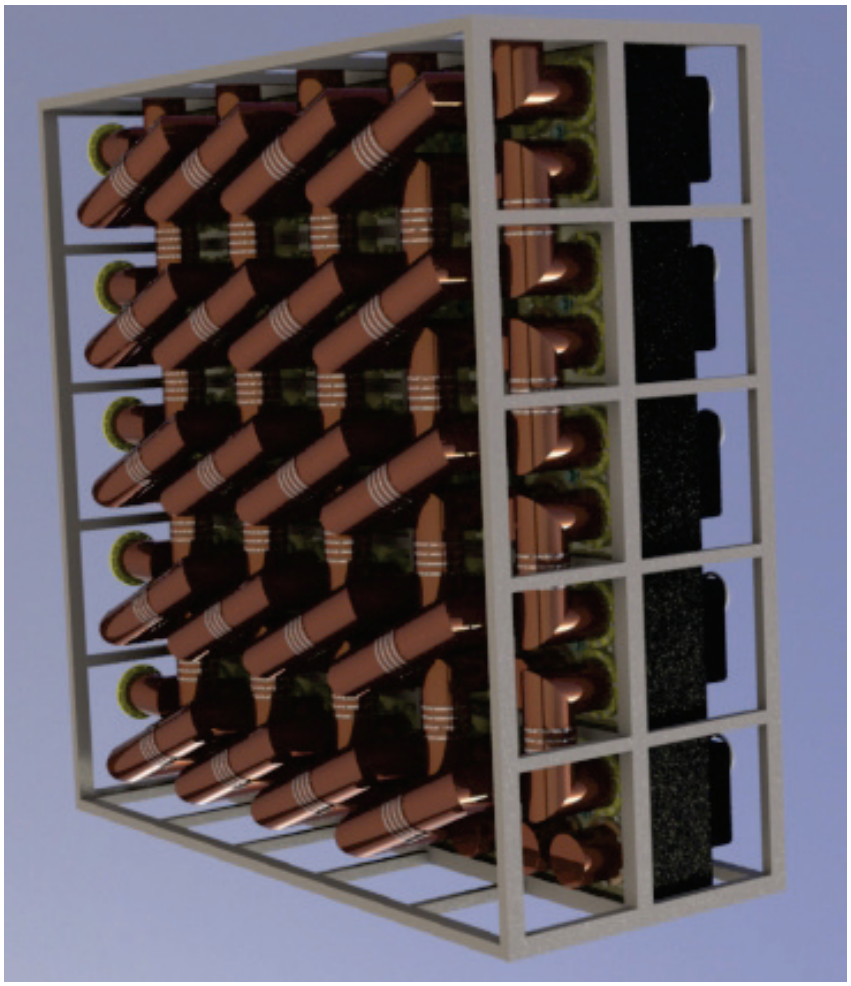
Isolation	more than 100 dB
Switching time	3,5 seconds
Test voltage AC 50Hz	40 kV peak
Overal dimensions	500x500x610

* All dimensions shown are in milimeters.
* Drawings not to scale.

Coaxial Matrix Switching Systems

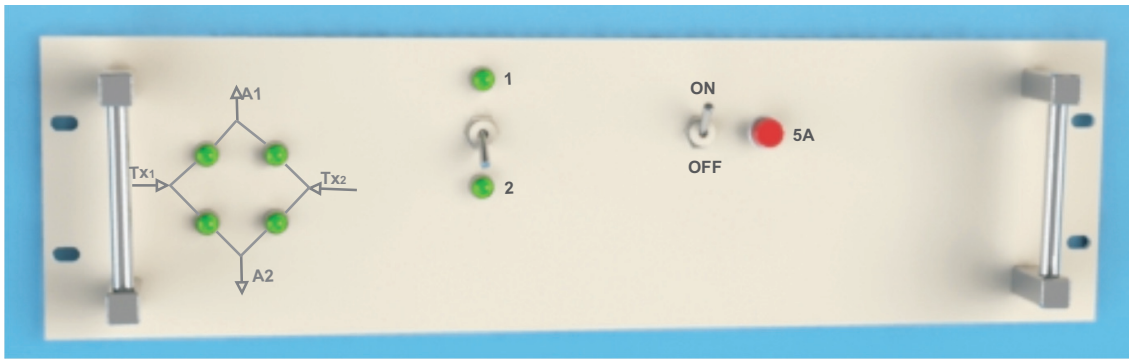
Coaxial matrix switching system allow connecting any of a number of transmitters to any of a number of antenas. RF Matrix system are idealy suited for applications with high frequency. The design provides a compact system with excellent power rating, low insertion VSWR, low insertion loss, and high isolation characteristics, provides good flexibility and control.
Advantages of these system are that they allow adding of column or row switches. These matrices do not allow connection of two or more transmitters at the same time, or connection of two or more transmitters with one antenna at the same time.
Maintenance of these matrices is very easy because of direct access to any of switches.





* All dimensions shown are in milimeters.
* Drawings not to scale.

19” Rack Control Panel for Motorized RF Power Switch



model	control panel input / output power
CP 00 01	* 230 VAC / 230 VAC
CP 00 05	* 230 VAC / 24 VDC

* upon request units with voltage of 110VAC
can be supplied instead of 230 VAC

The 19” rack control panel is designed for remote control of the motorized RF power transfer switch. The operating is easily possible using the two-way “operating switch”. Each position of the “operating switch” 1 or 2 that is equipped with indication light, activates the electro motor of the RF power transfer switch that shiftes the connection between the transmitters and antennas.
Near the “operating switch” there are four lights with square arrangement, connected to each other with printed lines and arrows, that show the appropriate transmitters-antennas path-connection. For each position of the “operating switch”, under voltage are only two opposite lights that indicate the active RF path-connection of the RF power transfer switch. After activating the “operating switch” and establishing the other RF power connection in the RF switch, the other two lights, that indicate another transmitters-antennas connection, become active.

* All dimensions shown are in milimeters.
* Drawings not to scale.

Material :

- Resilient contacts are made of thermally treated CuBe and are silver or gold plated.
- Insulation are made of pure PTFE
- Center and outer conductor parts are made of copper alloy, silver-plated
- Outer metal parts are made of copper alloy, nickel-plated
- Gaskets are made of silicone rubber
- Hardware set are made of stainless steel

Impedance : 50 Ω

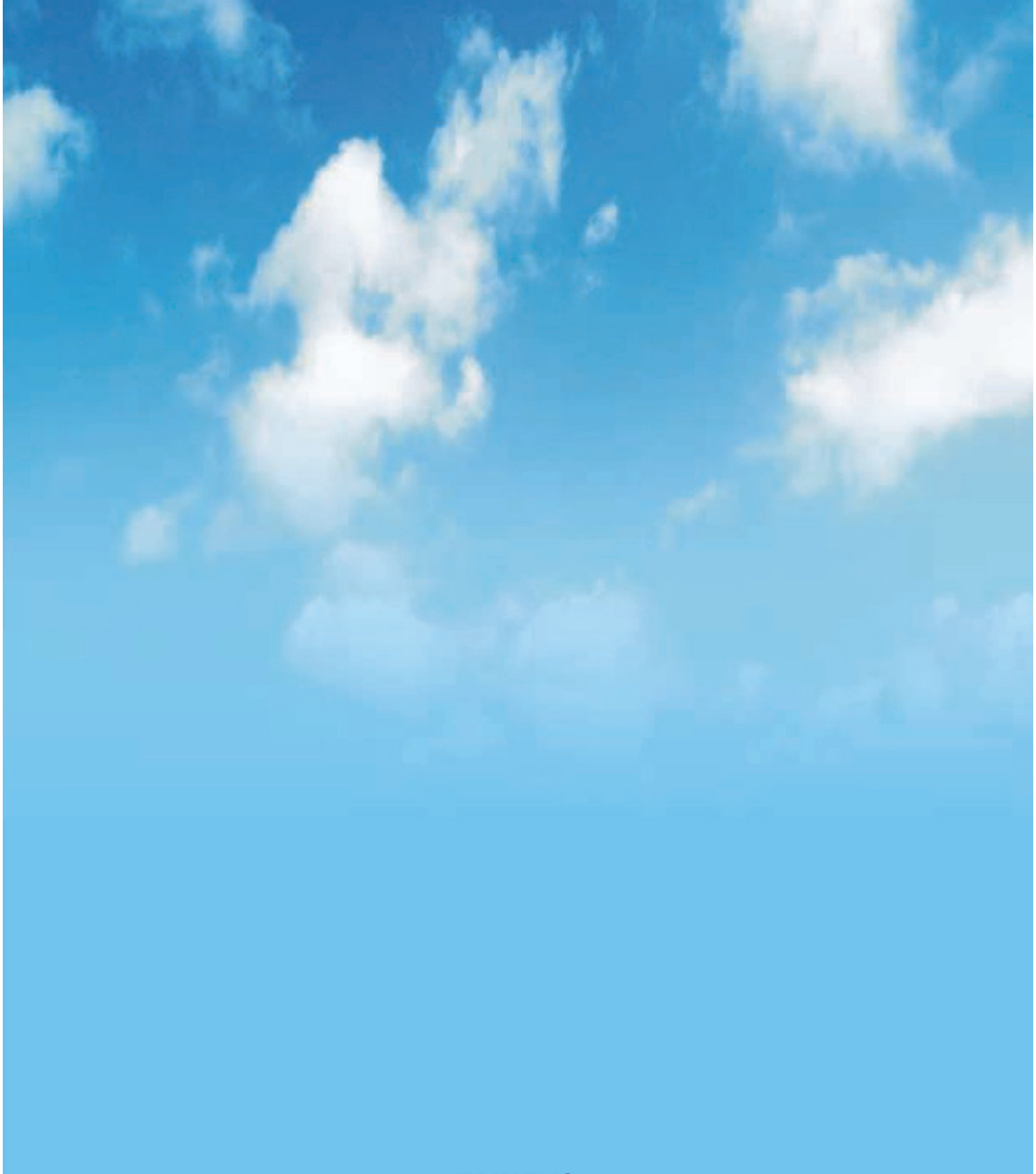
Straight Adapters

Adapter interfaces	*N*		*7/16 DIN*		*7/8" EIA*	*1 5/8" EIA*	*3 1/8" EIA*	*4 1/16" EIA*	*4 1/2 EIA*
	male	*female*	*male*	*female*					
7/8" EIA	AD 78.NM	AD 78.NF	AD 78.716M	AD 78.716F					
1 5/8" EIA	AD 158.NM	AD 158.NF	AD 158.716M	AD 158.716F	AD 158.78				
3 1/8" EIA	AD 318.NM	AD 318.NF			AD 318.78	AD 318.158			
4 1/16" EIA	AD 416.NM	AD 416.NF				AD 416.158	AD 416.318		
4 1/2" EIA	AD 412.NM	AD 412.NF				AD 412.158	AD 412.318	AD 412.416	
6 1/8" EIA	AD 618.NM	AD 618.NF					AD 618.318	AD 618.416	AD 618.412

Multipoint adapters

Adapter interfaces		*Ordering number*
Input	*Output*	
7/8" EIA	***2 x N (F)***	MPAD 78.N.2
7/8" EIA	***3 x N (F)***	MPAD 78.N.3
7/8" EIA	***4 x N (F)***	MPAD 78.N.4
7/8" EIA	***2 x 7/16 DIN (F)***	MPAD 78.716.2
7/8" EIA	***3 x 7/16 DIN (F)***	MPAD 78.716.3
7/8" EIA	***4 x 7/16 DIN (F)***	MPAD 78.716.4
1 5/8 EIA	***2 x 7/8 EIA***	MPAD 158.78.2
1 5/8 EIA	***3 x 7/8 EIA***	MPAD 158.78.3
1 5/8 EIA	***4 x 7/8 EIA***	MPAD 158.78.4

* All dimensions shown are in milimeters.
* Drawings not to scale.



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