

## Waveguide E and H Plane Bends Series 460 / 470



### Features

- Low VSWR
- E Plane Models - Series 460

- H Plane Models - Series 470
- Brass or Aluminium
- 90° Standard; 30° 45° & 60° Available

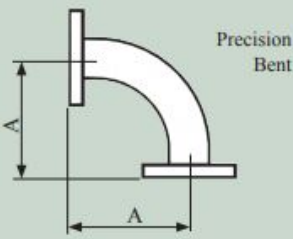
Flann Waveguide Bends are available in E and H plane configuration with an angle of 90°. Bends of 30°, 45° and 60° can be supplied to special order. Bends in the range WG10 to WG19 inclusive utilise a mitred casting with a VSWR typically better than 1.05. Bends from WG20 to WG28 inclusive are sections of waveguide which are precisely bent to the required angle with a VSWR of typically 1.05 to 1.10 depending on the model.

Model	Frequency Range (GHz)	Waveguide		VSWR	Dimension	Weight (kg) Brass
		WG	R	WR Max	(A)	
10460 10470	2.60 - 3.95	10	32	284 1.05	100	2.5
11A460 11A470	3.22 - 4.9	11A	40	229 1.05	90	1.05

12460	3.94 - 5.99	12	48	187	1.05	80	1.05
12470							
13460	4.64 - 7.05	13	58	159	1.05	75	0.9
13470							
14460	5.38 - 8.18	14	70	137	1.05	70	0.66
14470							
15460	6.58 - 10.0	15	84	112	1.05	60	0.31
15470							
16460	8.20 - 12.5	16	100	90	1.05	50	0.2
16470							
17460	9.84 - 15.0	17	120	75	1.05	40	0.18
17470							
18460	11.9 - 18.0	18	140	62	1.05	30	0.12
18470							

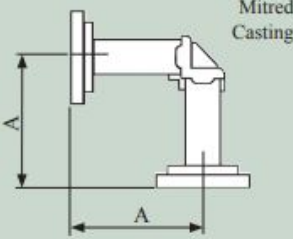
19460	14.5 - 22.0	19	180	51	1.1	30	0.09
19470							
20460	17.6 - 26.7	20	220	42	1.05	38	0.05
20470							
21460	21.7 - 33.0	21	260	34	1.06	38	0.045
21470							
22460	26.4 - 40.1	22	320	28	1.06	38	0.035
22470							
23460	33.0 - 50.1	23	400	22	1.06	28	0.045
23470							
24460	39.3 - 59.7	24	500	19	1.06	28	0.045
24470							
25460	49.9 - 75.8	25	620	15	1.07	21	0.025
25470							

26460 26470	60.5 - 92.0	26	740	12	1.08	21	0.025
27460 27470	73.8 -112	27	900	10	1.09	21	0.025
28460 28470	92.3 -140	28	1200	8	1.1	21	0.02
29460 29470	114 - 173	29	1400	6	1.12	Dimensions available on request	
30460 30470	145 - 220	30	1800	5			
31460 31470	172 - 261	31	2200	4	Specifications/dimensions available on request		
32460 32470	217 - 330	32	2600	3			



Precision Bent

Diagram showing a 90-degree bend in a waveguide. The bend is smooth and continuous. The distance from the center of the bend to the end of the waveguide is labeled 'A'.



Mitred Casting

Diagram showing a 90-degree bend in a waveguide. The bend is made by joining two straight sections at an angle. The distance from the center of the bend to the end of the waveguide is labeled 'A'.

**ORDERING INFORMATION**

Model: Bend Angle Suffix; Description

Example: Model 23460-45 45° waveguide bend.

WG23, 45°, E plane bend

Bend Angle (°)	Suffix
90	90
60	60
45	45
30	30

Series 460/470

