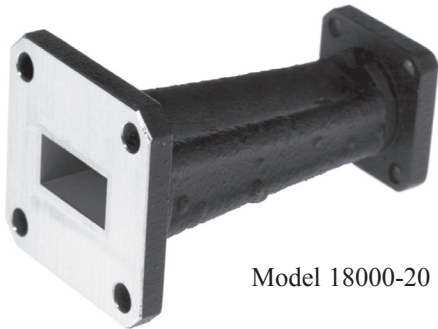


Rectangular Waveguide to Waveguide Tapered Transitions Series 000

Features

- **Low VSWR**
- **Minimal length**



Model 18000-20

Waveguide to waveguide tapered transitions provide a gradual dimensional change between two sizes of waveguide.

The larger components are accurately fabricated from laser cut plates; smaller tapers are precision electroformed “in house”. In applications where waveguide frequency bands overlap the transitions exhibit low VSWR and low insertion loss whilst maintaining high mode purity.

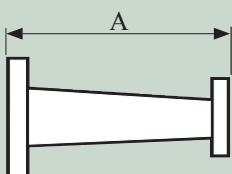
For most models with overlapping frequency bands, the VSWR is typically better than 1.03 in the common part of the frequency ranges. Tapered Transitions not listed can be made to special order.

ORDERING INFORMATION

Model: Description

Example: Model 18000-22 Waveguide tapered transition

WG18 (WR62) to WG22 (WR28)



Series 000

Model	Waveguide to Waveguide						Overall Length (mm)	Weight (kg)
	WG	R	WR	WG	R	WR		
08000-10	8	22	430	10	32	284	210	Details on request
09A000-10	9A	26	340	10	32	284	134	
10000-11A	10	32	284	11A	40	229	130	1.60
10000-12	10	32	284	12	48	187	130	1.58
10000-15	10	32	284	15	84	112	173	1.38
10000-16	10	32	284	16	100	90	173	1.36
11A000-12	11A	40	229	12	48	187	110	0.93
11A000-14	11A	40	229	14	70	137	135	0.95
12000-13	12	48	187	13	58	159	85	0.90
12000-14	12	48	187	14	70	137	85	0.85
12000-17	12	48	187	17	120	75	105	0.75
13000-14	13	58	159	14	70	137	80	0.78
14000-15	14	70	137	15	84	112	75	0.45
14000-16	14	70	137	16	100	90	75	0.40
15000-16	15	84	112	16	100	90	72	0.25
16000-17	16	100	90	17	120	75	58	0.18
16000-18	16	100	90	18	140	62	50	0.25
16000-20	16	100	90	20	220	42	50	0.13
16000-25	16	100	90	25	620	15	75	0.10
16000-26	16	100	90	26	740	12	69	0.09
17000-18	17	120	75	18	140	62	60	0.15
17000-19	17	120	75	19	180	51	60	0.15
17000-22	17	120	75	22	320	28	65	0.10
18000-19	18	140	62	19	180	51	60	0.13
18000-20	18	140	62	20	220	42	56	0.10
18000-22	18	140	62	22	320	28	50	0.10
19000-20	19	180	51	20	220	42	50	0.12
20000-22	20	220	42	22	320	28	50	0.05
20000-23	20	220	42	23	400	22	40	0.05
20000-24	20	220	42	24	500	19	40	0.05
20000-25	20	220	42	25	620	15	60	0.05
21000-22	21	260	34	22	320	28	50	0.05
22000-23	22	320	28	23	400	22	50	0.05
22000-24	22	320	28	24	500	19	35	0.05
22000-25	22	320	28	25	620	15	35	0.04
22000-26	22	320	28	26	740	12	30	0.04
22000-28	22	320	28	28	1200	28	30	0.03
23000-24	23	400	22	24	500	19	35	0.04
23000-25	23	400	22	25	620	15	30	0.05
24000-25	24	500	19	25	620	15	35	0.05
24000-26	24	500	19	26	740	12	35	0.04
25000-26	25	620	15	26	740	12	25	0.03
25000-27	25	620	15	27	900	10	35	0.03
26000-27	26	740	12	27	900	10	25	0.03
26000-28	26	740	12	28	1200	8	25	0.03
27000-28	27	900	10	28	1200	8	25	0.02
27000-29	27	900	10	29	1400	6	25	0.03
28000-31	28	1200	8	31	2200	4	25	0.02
28000-32	28	1200	8	32	2600	3	25	0.02
30000-31	30	1800	5	31	2200	4	25	0.02
30000-32	30	1800	5	32	2600	3	Specification available on request	
31000-32	31	2200	4	32	2600	3		

For standard flange types and recommendations see pages 118 onwards