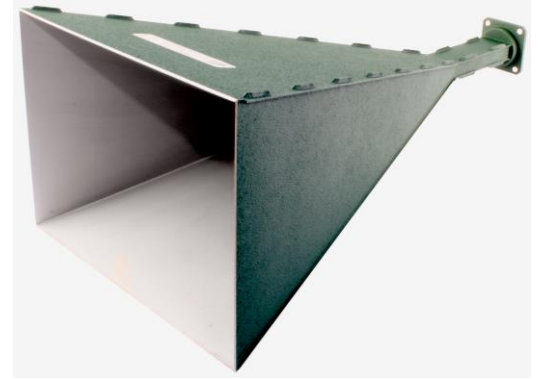




**Features**

- **Weatherproof Options**
- **Mounting Bracket Options**
- **Manufactured Brass or Aluminium**
- **Higher Frequency Models Available**



The Flann Standard Gain Horns have a wide range of applications, (e.g. as transmitting, receiving or sampling antennas or for feeding reflectors).

The absolute gain of a standard gain horn is calculable from the flare dimensions. Flann Standard Gain Horns are precision components providing accurate and repeatable gain references.

In general, the lower frequency horns, models 06240 to 17240 inclusive, are accurately fabricated from brass sheet or aluminium. Models 18240 to 32240 inclusive are copper electroformed on precision mandrels which ensure high accuracy and repeatability. Typical gain/bandwidth curves are provided for all standard gain horns. 10 dB, 15 dB, 20 dB, 25 dB, 30 dB and 33 dB gain horns are also available in many waveguide sizes.

NB:- 25 dB models are approximately three times the overall length of the corresponding 20 dB models.

**Ordering Information**

WG	Series	-	Gain	Mounting Bracket Options
WG06 - WG32	240		-20	-01 Membrane -02 Mounting Bracket -03 Membrane & Mounting Bracket

Example: Model 16240-20 Standard Gain Horn, 20 dB

**Specifications**

Variation of mid-band gain with frequency:  $\pm 2$  dB  
Maximum of VSWR (20 dB models): 1.2 : 1

Model	Frequency Range (GHz)	Waveguide			Standard Mid-Band Gain (dB)
		WG	R	WR	
<b>06240</b>	1.14 – 1.73	6	14	650	10
<b>08240</b>	1.72 – 2.61	8	22	430	10
<b>10240</b>	2.60 – 3.95	10	32	284	15
<b>11A240</b>	3.22 – 4.90	11A	40	229	15
<b>12240</b>	3.94 – 5.99	12	48	187	20
<b>13240</b>	4.64 – 7.05	13	58	159	20
<b>14240</b>	5.38 – 8.18	14	70	137	20
<b>15240</b>	6.58 – 10.0	15	84	112	20
<b>16240</b>	8.20 – 12.5	16	100	90	20
<b>17240</b>	9.84 – 15.0	17	120	75	20
<b>18240</b>	11.9 – 18.0	18	140	62	20
<b>19240</b>	14.5 – 22.0	19	180	51	20
<b>20240</b>	17.6 – 26.7	20	220	42	20
<b>22240</b>	26.4 – 40.1	22	320	28	20
<b>23240</b>	33.0 – 50.1	23	400	22	20
<b>24240</b>	39.3 – 59.7	24	500	19	20
<b>25240</b>	49.9 – 75.8	25	620	15	20
<b>26240</b>	60.5 – 92.0	26	740	12	20
<b>27240</b>	73.8 – 112	27	900	10	20
<b>28240</b>	92.3 – 140	28	1200	8	20
<b>29240</b>	114 – 173	29	1400	6	20
<b>30240</b>	145 – 220	30	1800	5	20
<b>31240</b>	172 – 261	31	2200	4	20
<b>32240</b>	217 – 330	32	2600	3	20

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