

Circular Horns with Circular Input

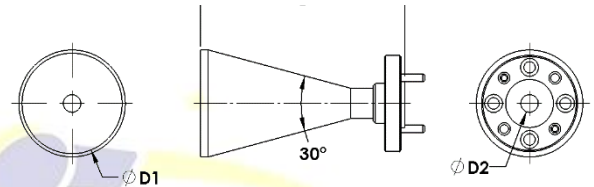
Summary:

Circular Horns have a broad variety of applications in the aerospace industry and CMI is proud to provide these antennas of the highest quality. Each horn is precisely electroformed over a mandrel and gold plated. These horns have maximal return loss and gain ranging from 20 to 23 dB. Horns with different gain values can be special ordered. Circular Horns are available with input diameter 0.039 inch to 0.455 inch.



Ordering Example:

CCHO28S is a Conical Horn with a Circular input and Square flange.



Part Name	RF Specifications			Mechanical Specifications			
	WR	Frequency (GHz)	Max VSWR	Aperture - D1 (in)	Input - D2 (in)	Length - L (in)	Flange
CCHO42S	42	18 - 26.5	1.1:1	2.300	0.455	4.000	S 0.875
CCHO28S	28	26.5 - 40	1.1:1	1.800	0.315	3.300	S 0.750
CCHO22R	22	33 - 50	1.1:1	1.440	0.251	2.700	R 1.125
CCHO19R	19	40 - 60	1.1:1	1.180	0.211	2.250	R 1.125
CCHO15R	15	50 - 75	1.1:1	0.950	0.166	1.900	R 0.750
CCHO12R	12	60 - 90	1.1:1	0.784	0.137	1.600	R 0.750
CCHO10R	10	75 - 110	1.1:1	0.643	0.113	1.300	R 0.750
CCHO8R	8	90 - 140	1.1:1	0.514	0.090	1.100	R 0.750
CCHO6R	6	110 - 175	1.1:1	0.418	0.073	0.900	R 0.750
CCHO5R	5	140 - 220	1.1:1	0.328	0.058	0.750	R 0.750
CCHO4R	4	170 - 260	1.1:1	0.276	0.049	0.650	R 0.750
CCHO3R	3	220 - 325	1.1:1	0.218	0.039	0.550	R 0.750

