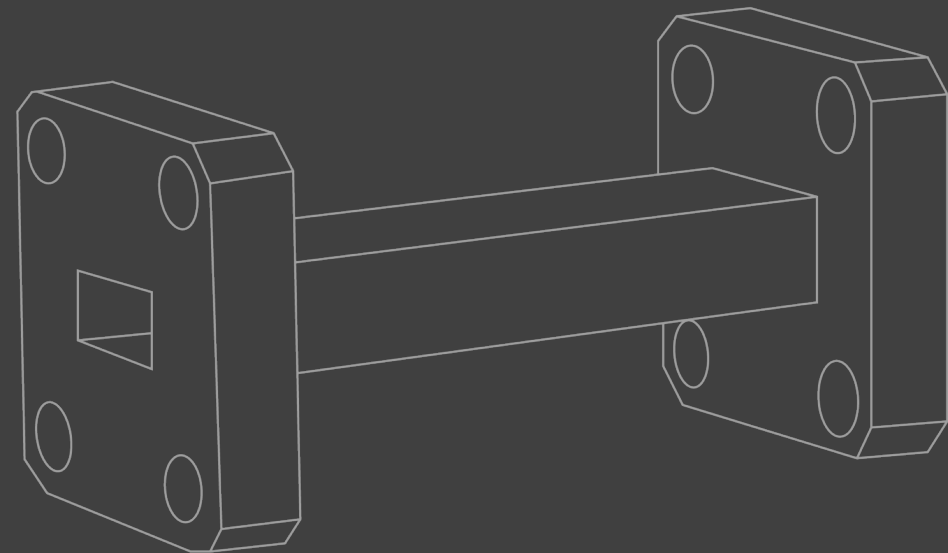


RECTANGULAR WAVEGUIDE FLANGE REFERENCE



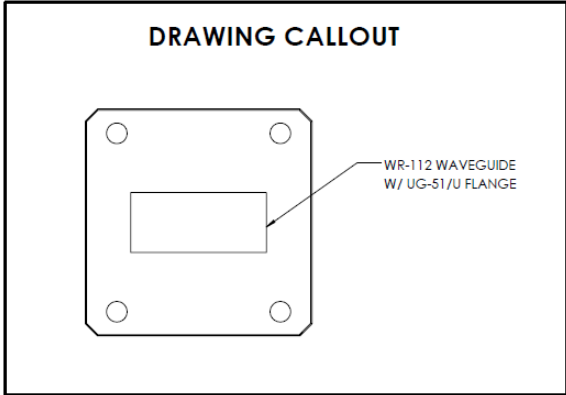
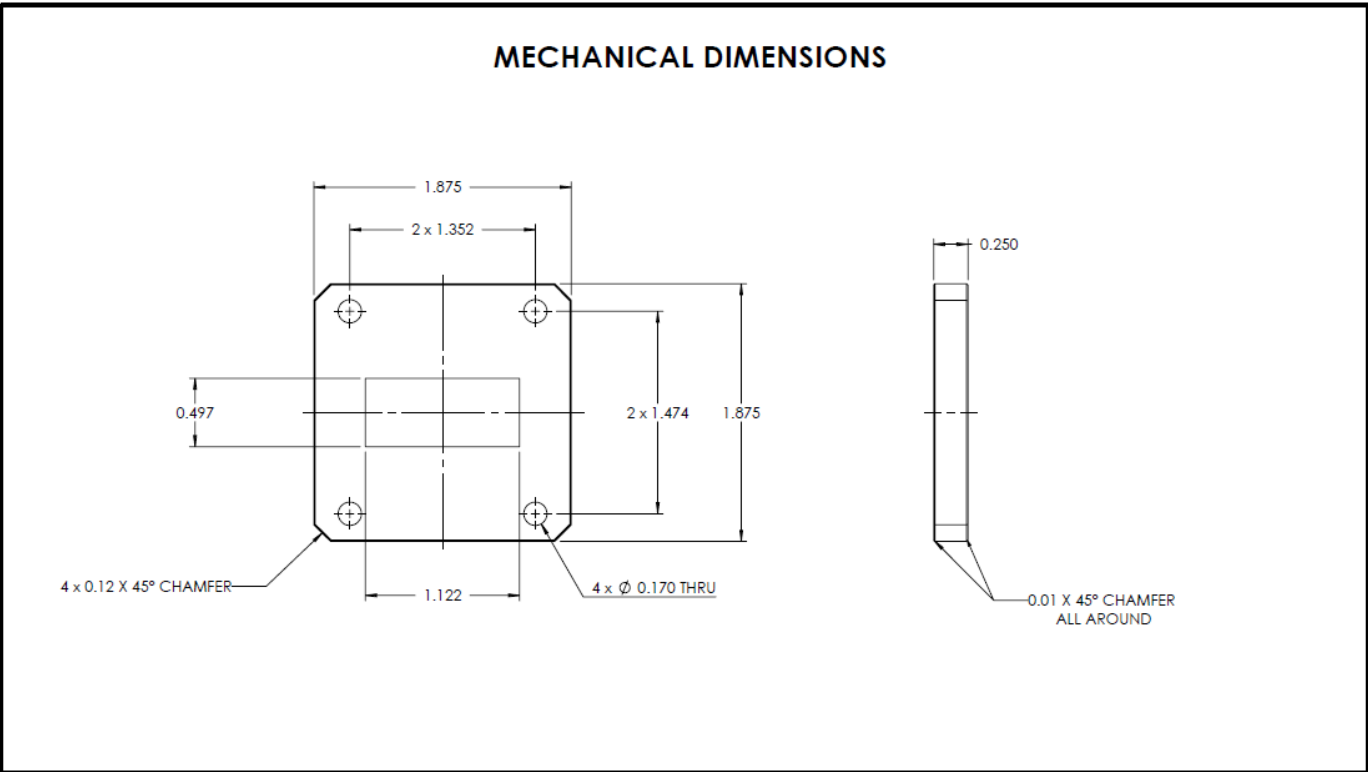
Rectangular Waveguide Reference Chart

Frequency Band	Waveguide Designation (EIA)	Inner Dimension (Inches)	Frequency Range (GHz)	Cut-Off Frequency (GHz)	Historic Flange Designation
H	WR-112	1.122 x 0.497	7 to 10	5.26	UG-51/U
X	WR-90	0.900 X 0.400	8.2 to 12.4	6.56	UG-39/U
-	WR-75	0.750 x 0.375	10 to 15	7.87	-
Ku	WR-62	0.622 x 0.311	12.4 to 18	9.49	UG-419/U
-	WR-51	0.510 x 0.255	15 to 22	11.54	-
K	WR-42	0.420 x 0.170	18 to 26.5	14.08	UG-595/U
-	WR-34	0.340 x 0.170	22 to 33	17.28	UG-1530/U
Ka	WR-28	0.280 x 0.140	26.5 to 40	21.1	UG-599/U
Q	WR-22	0.224 x 0.112	33 to 50	26.35	UG-383/U
U	WR-19	0.188 x 0.094	40 to 60	30.69	UG-383/U-M
V	WR-15	0.148 x 0.074	50 to 75	39.86	UG-385/U
E	WR-12	0.122 x 0.061	60 to 90	48.35	UG-387/U
W	WR-10	0.100 x 0.050	75 to 110	59.01	UG-387/U-M
F	WR-8	0.080 x 0.040	90 to 140	73.76	UG-387/U-M
D	WR-6	0.0650 x 0.0325	110 to 170	90.79	UG-387/U-M
G	WR-5	0.0510 x 0.0255	140 to 220	115.71	UG-387/U-M
-	WR-4	0.0430 x 0.0215	170 to 260	137.24	UG-387/U-M
-	WR-3	0.0340 x 0.0170	220 to 330	173.57	UG-387/U-M

WR-112 WAVEGUIDE WITH STANDARD FLANGE

Notes:

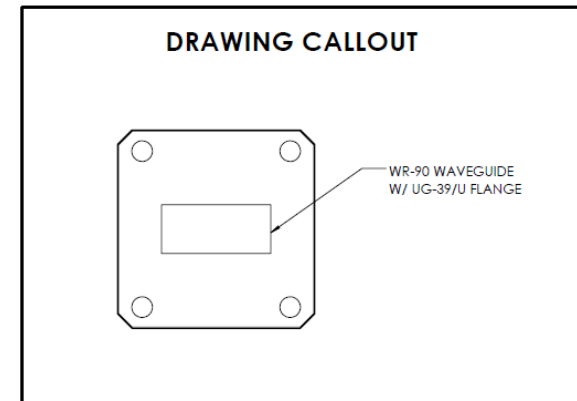
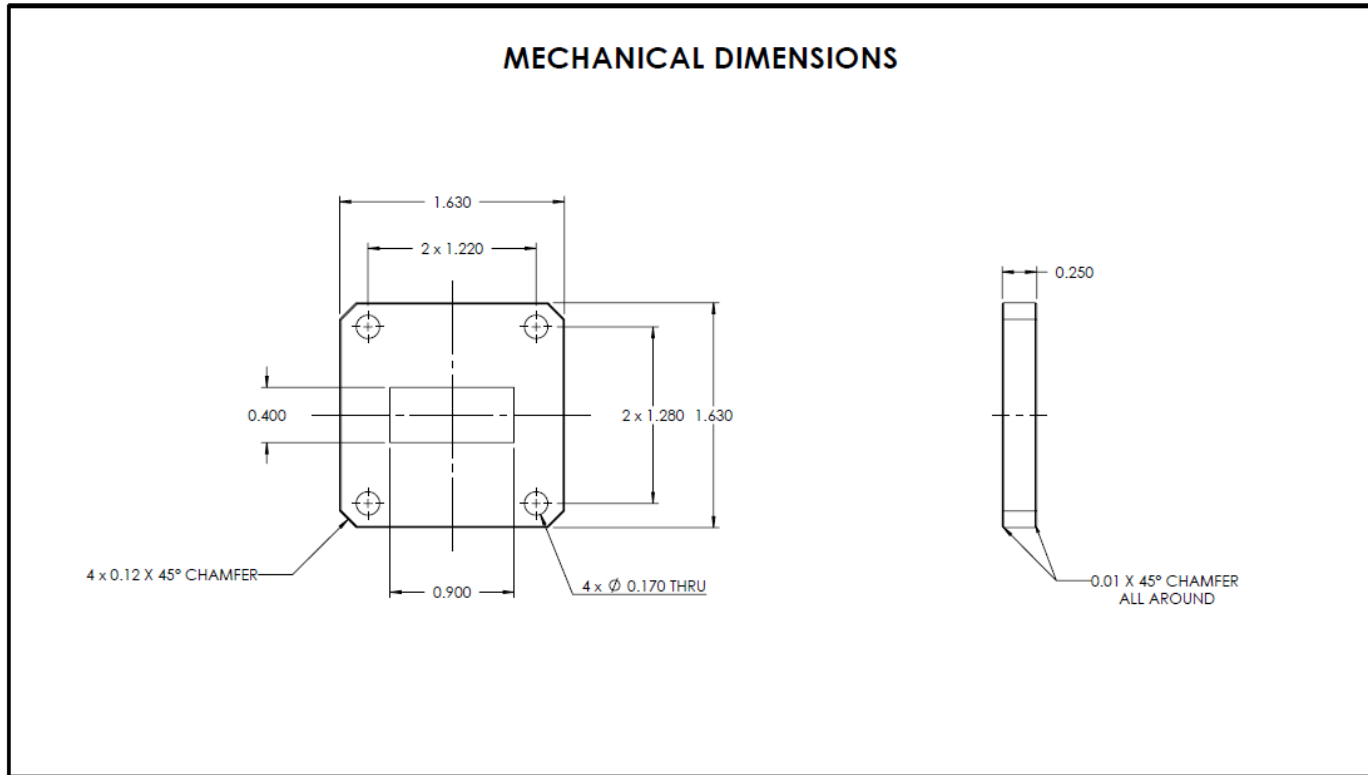
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-90 WAVEGUIDE WITH STANDARD FLANGE

Notes:

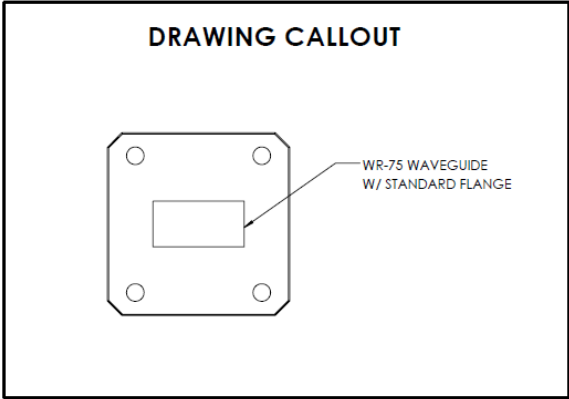
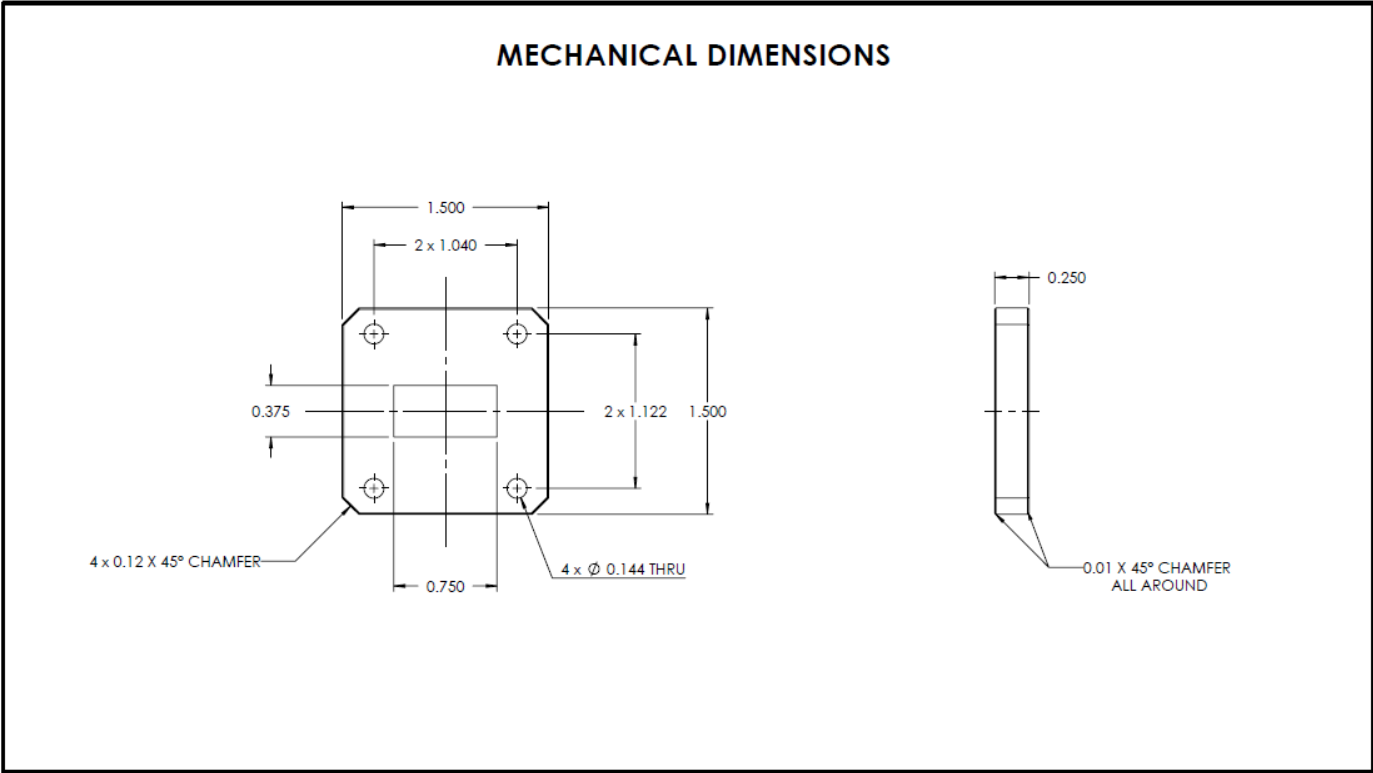
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-75 WAVEGUIDE WITH STANDARD FLANGE

Notes:

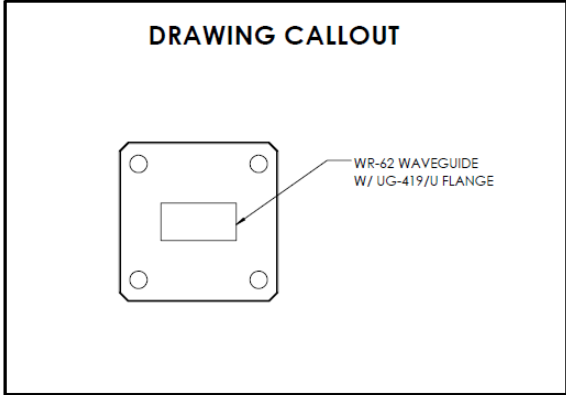
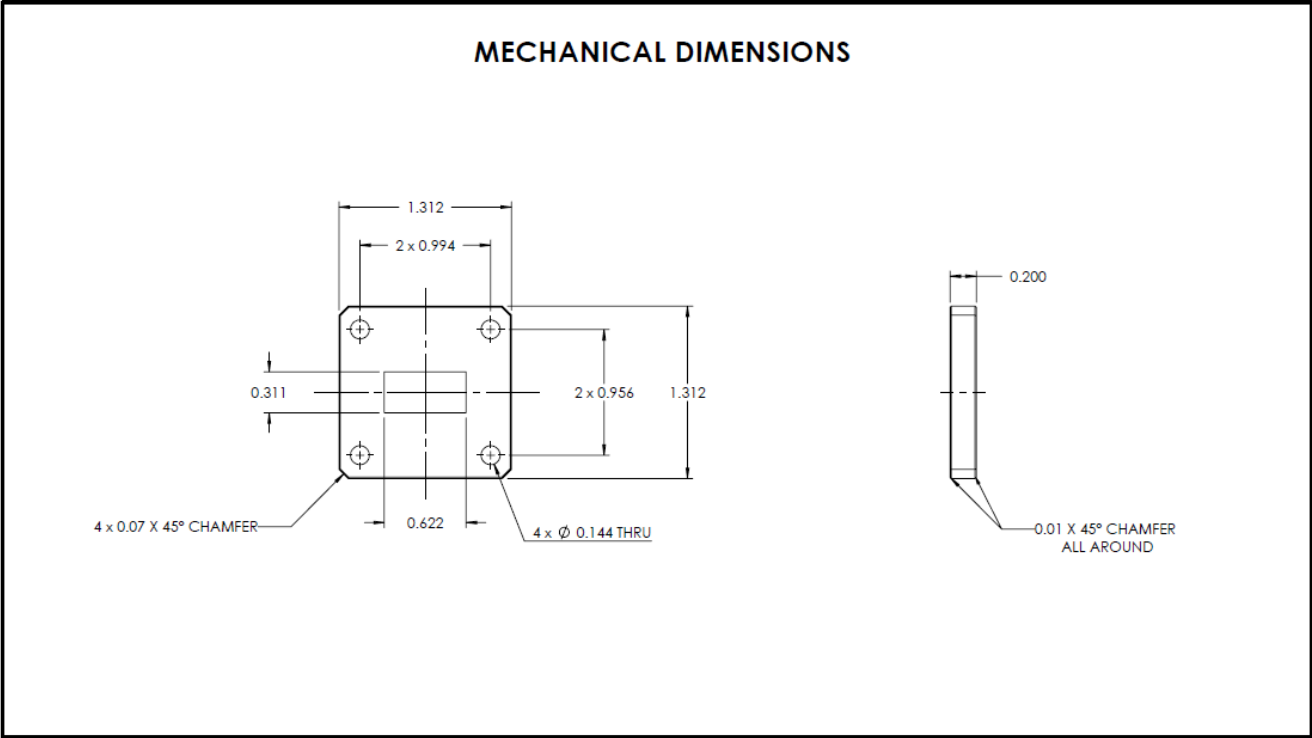
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-62 WAVEGUIDE WITH STANDARD FLANGE

Notes:

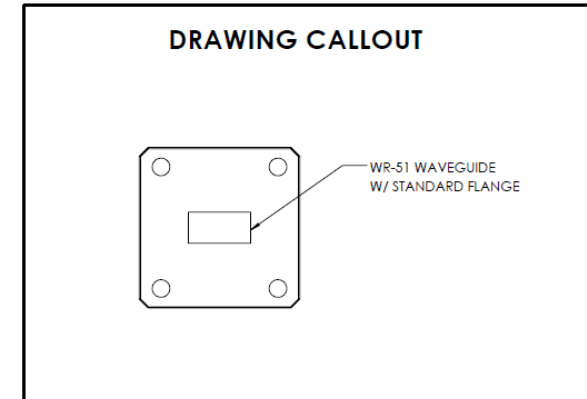
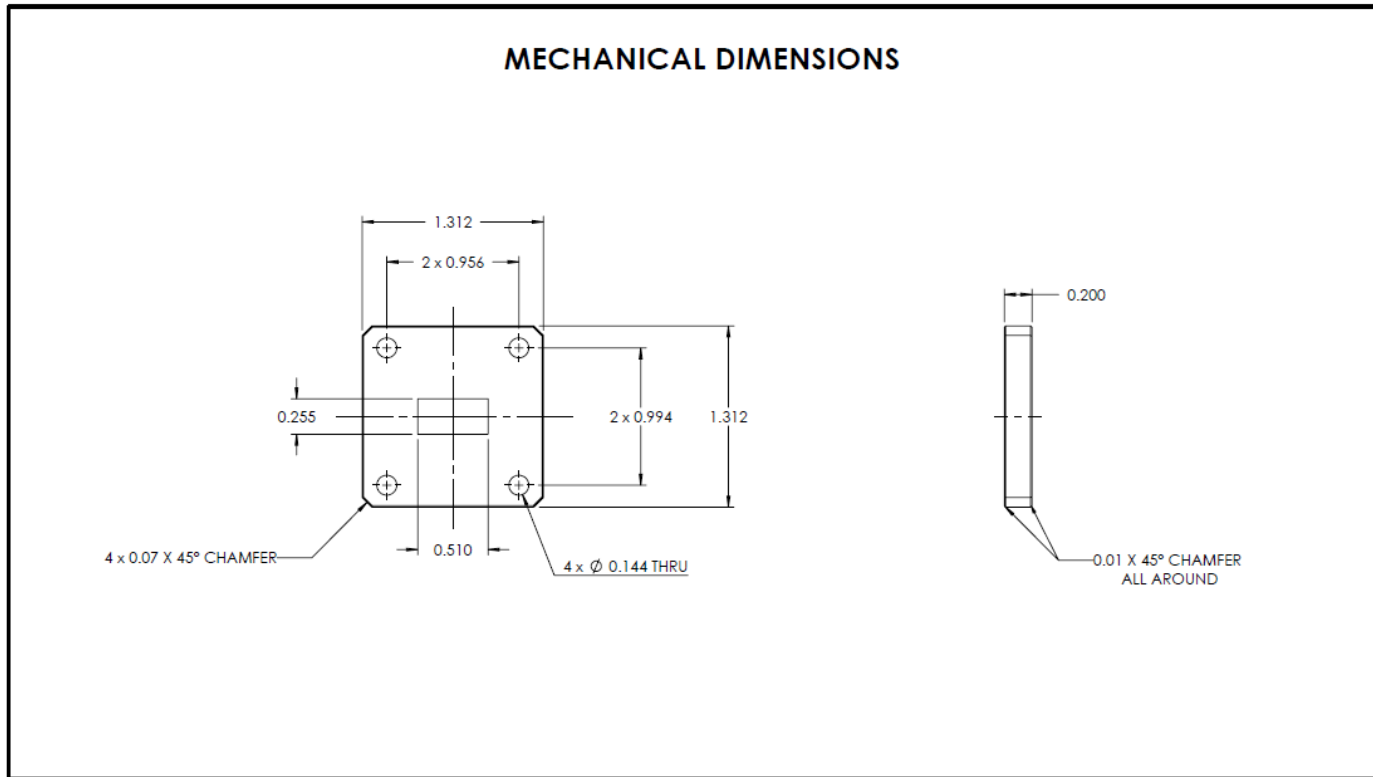
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-51 WAVEGUIDE WITH STANDARD FLANGE

Notes:

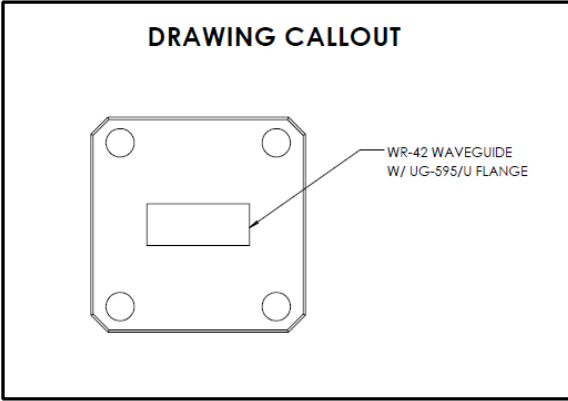
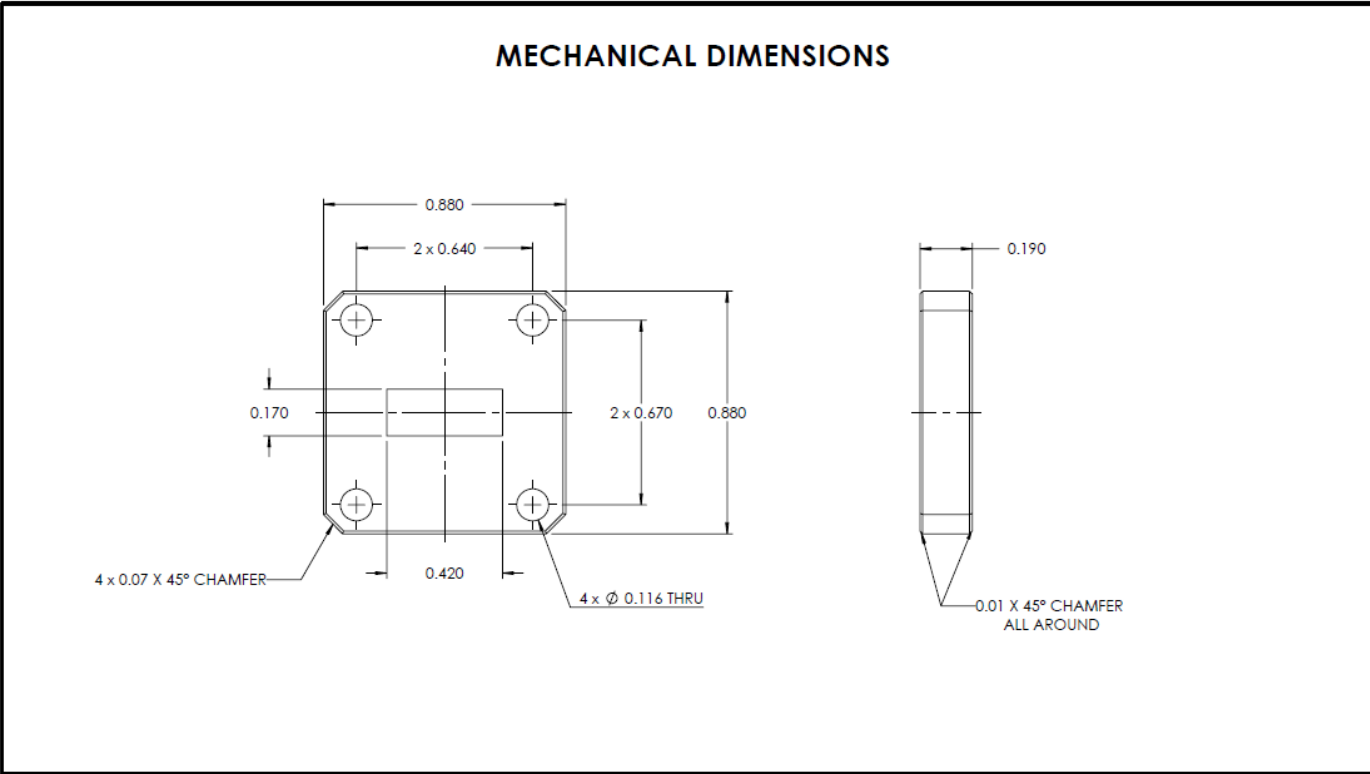
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-42 WAVEGUIDE WITH STANDARD FLANGE

Notes:

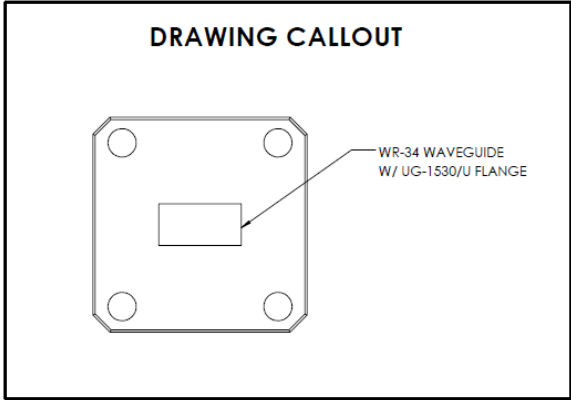
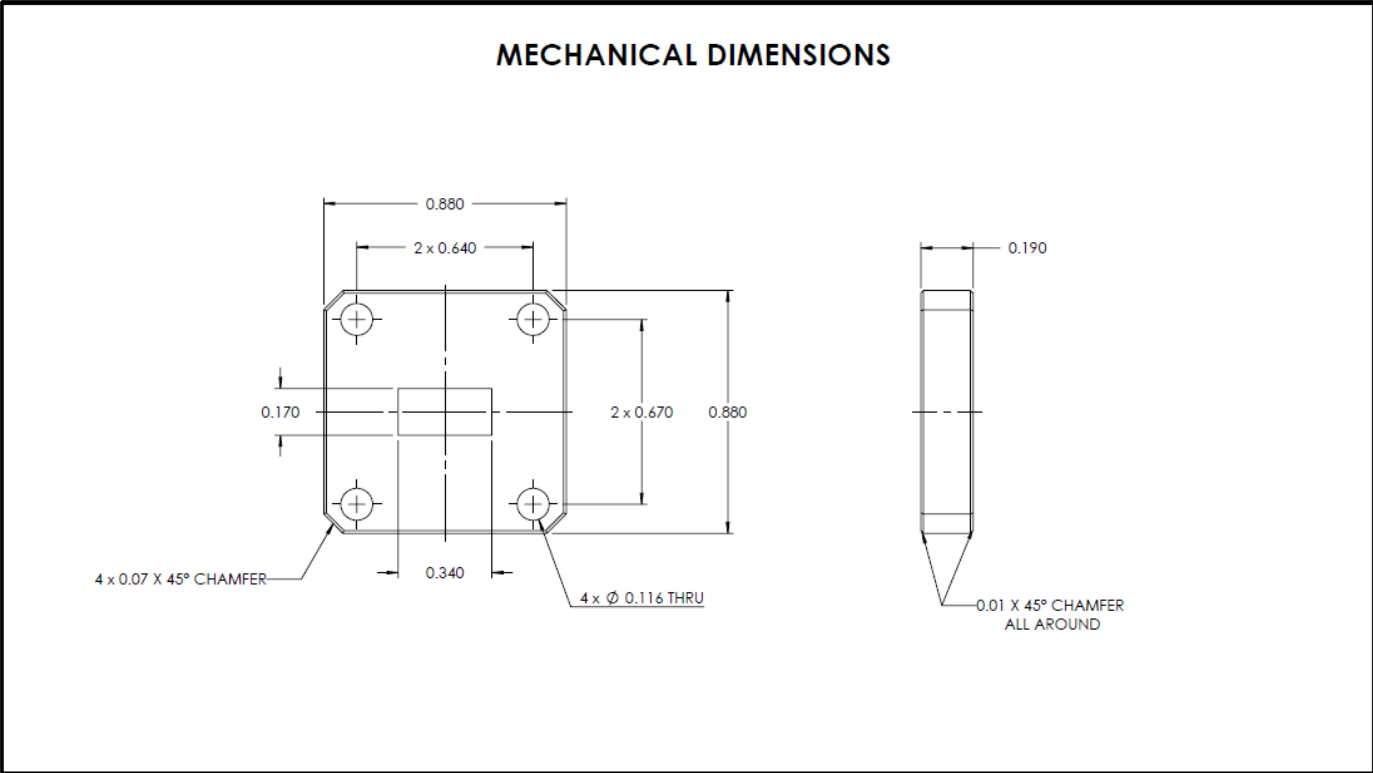
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-34 WAVEGUIDE WITH STANDARD FLANGE

Notes:

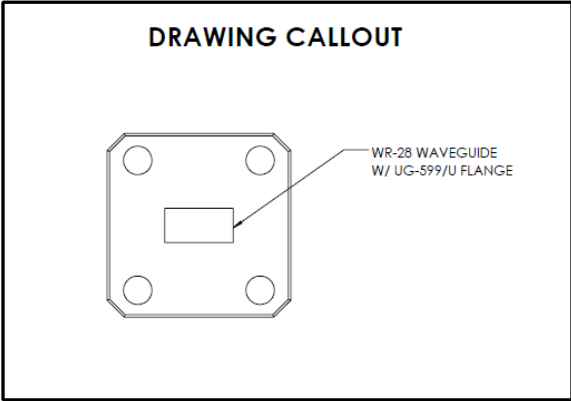
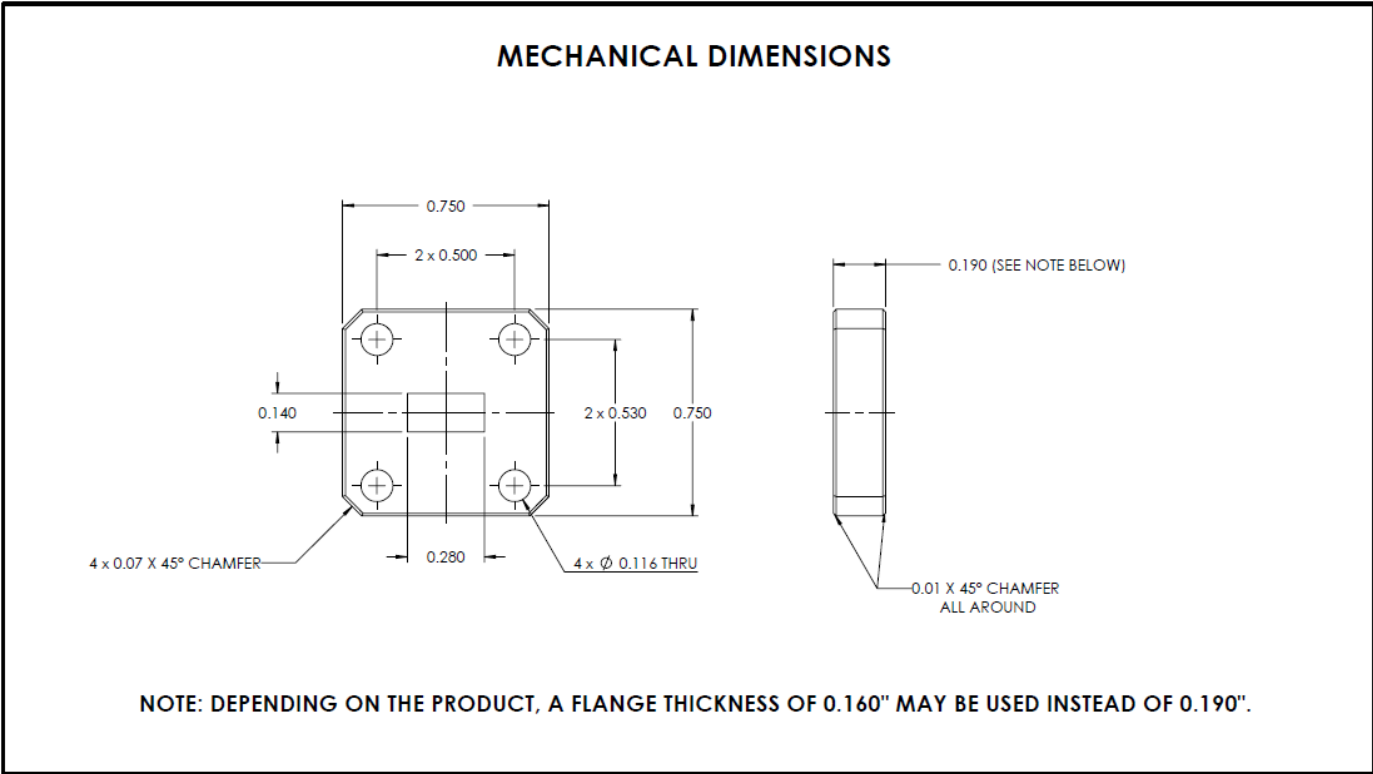
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-28 WAVEGUIDE WITH STANDARD FLANGE

Notes:

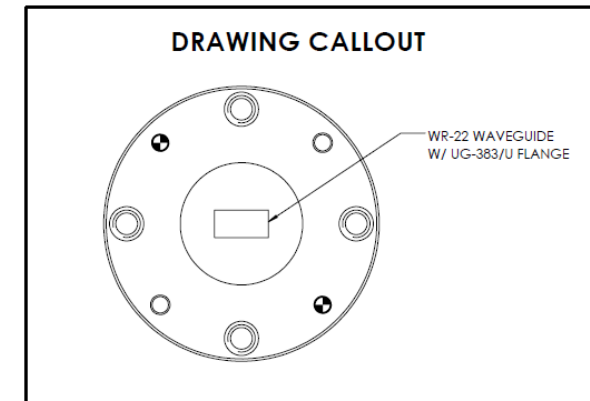
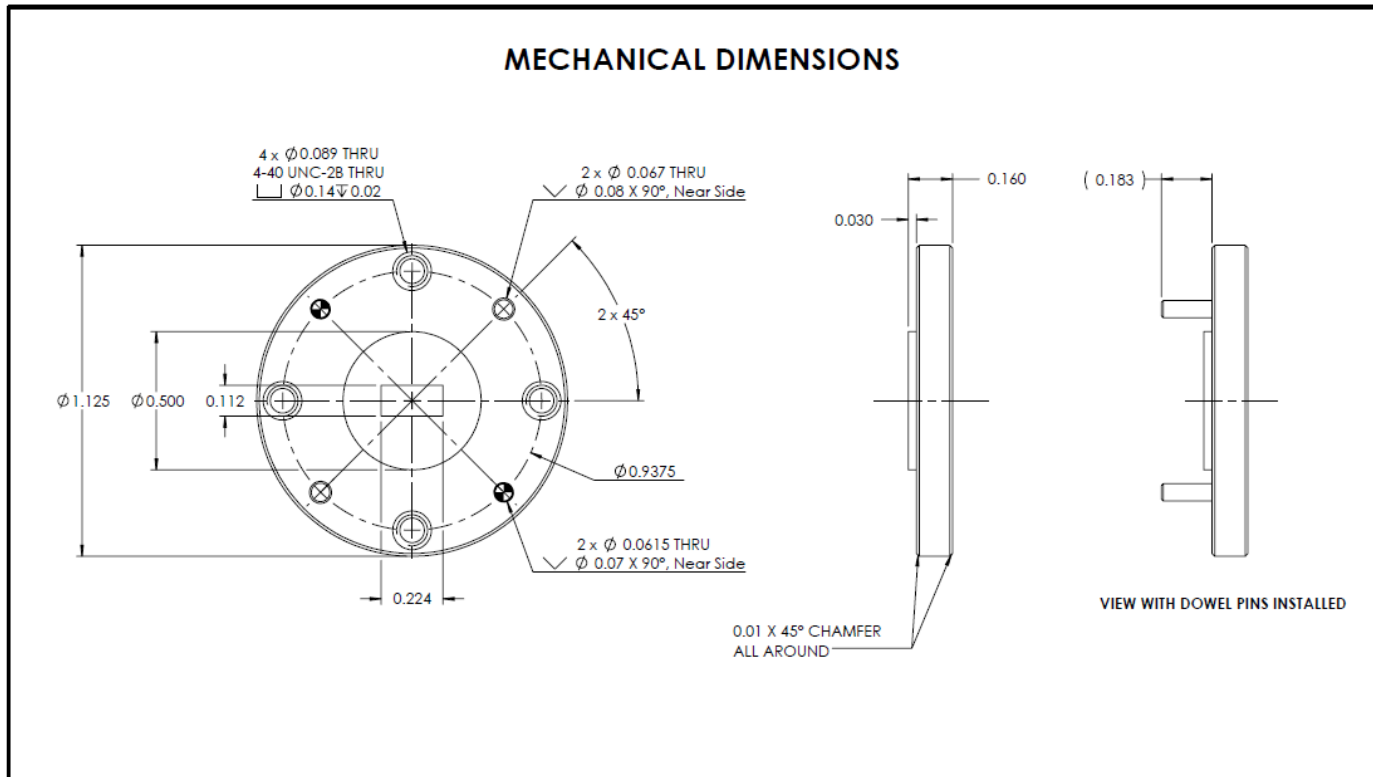
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-22 WAVEGUIDE WITH STANDARD FLANGE

Notes:

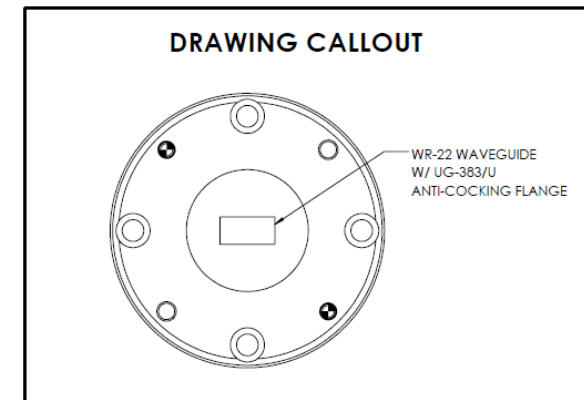
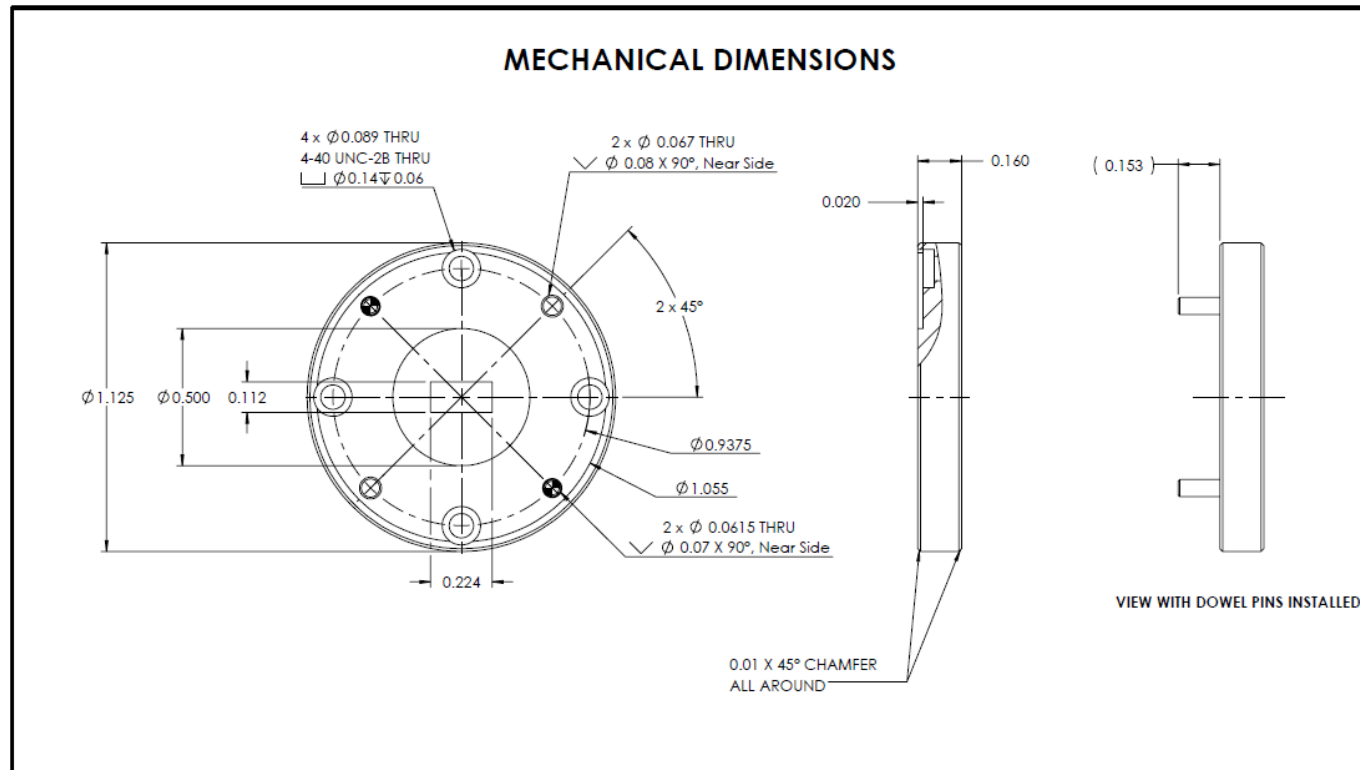
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-22 WAVEGUIDE WITH ANTI-COCKING FLANGE

Notes:

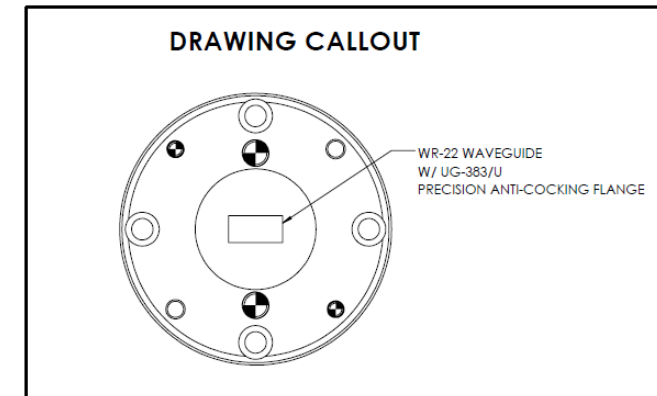
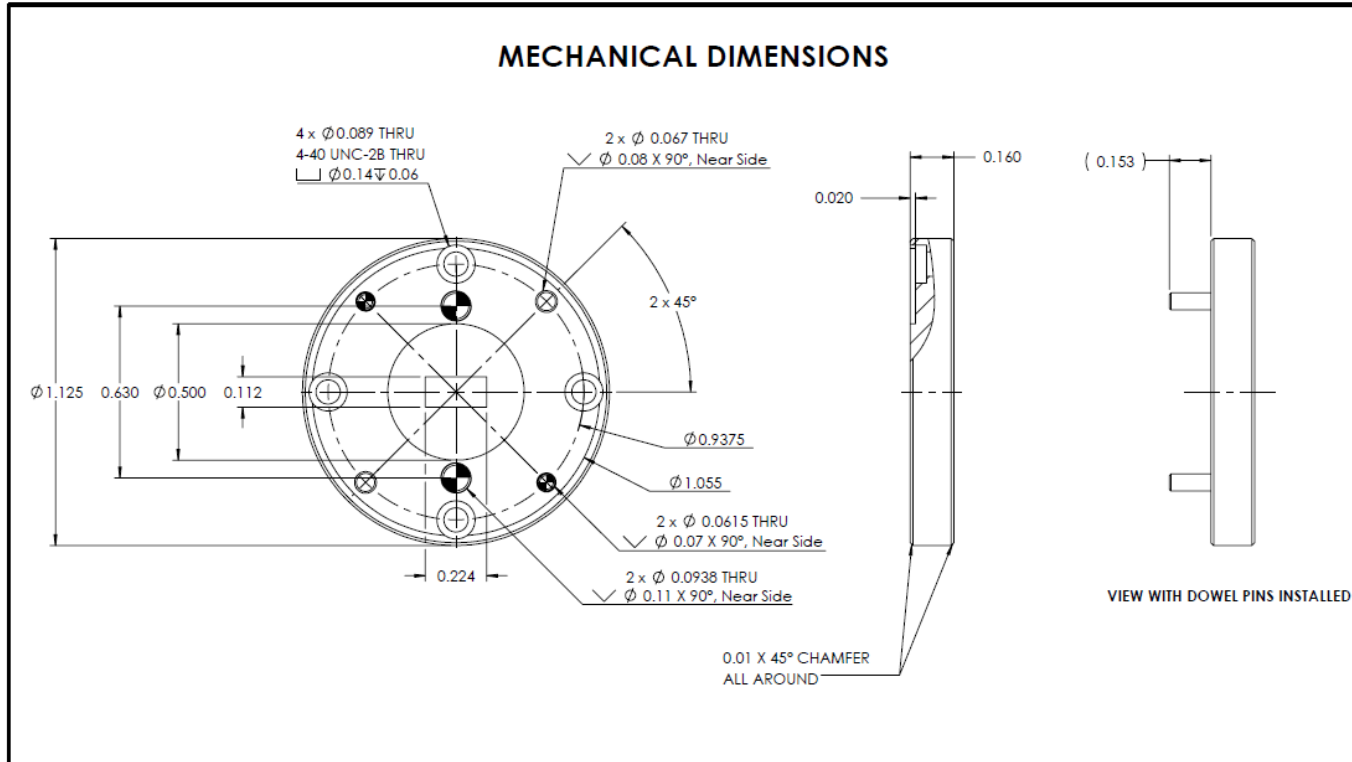
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-22 WAVEGUIDE WITH PRECISION ANTI-COCKING FLANGE

Notes:

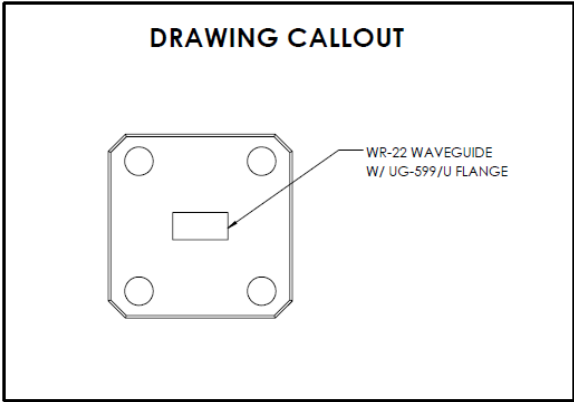
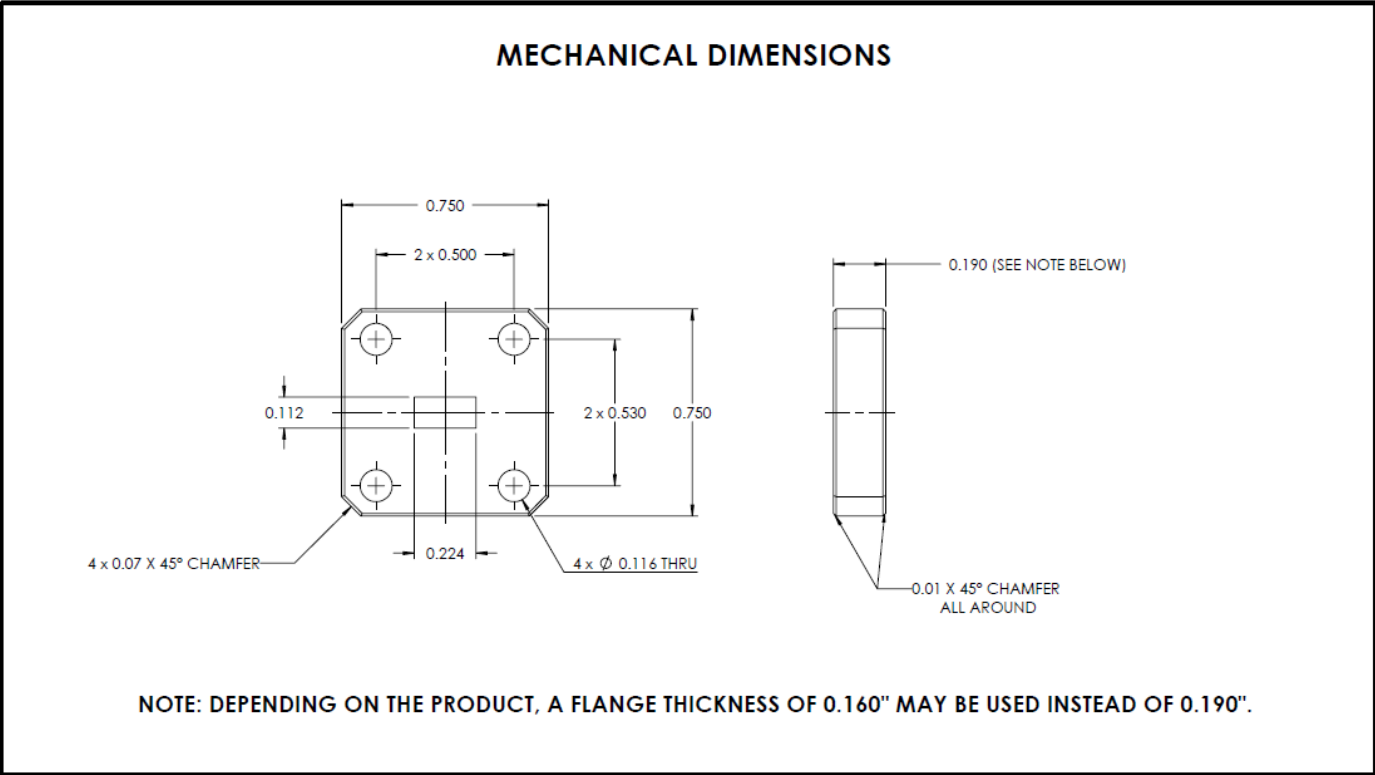
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-22 WAVEGUIDE WITH UG-599/U STYLE FLANGE

Notes:

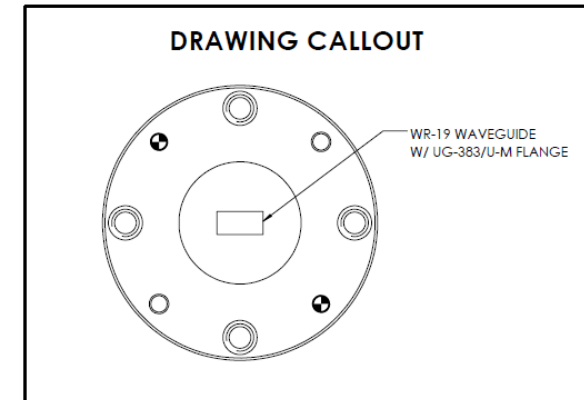
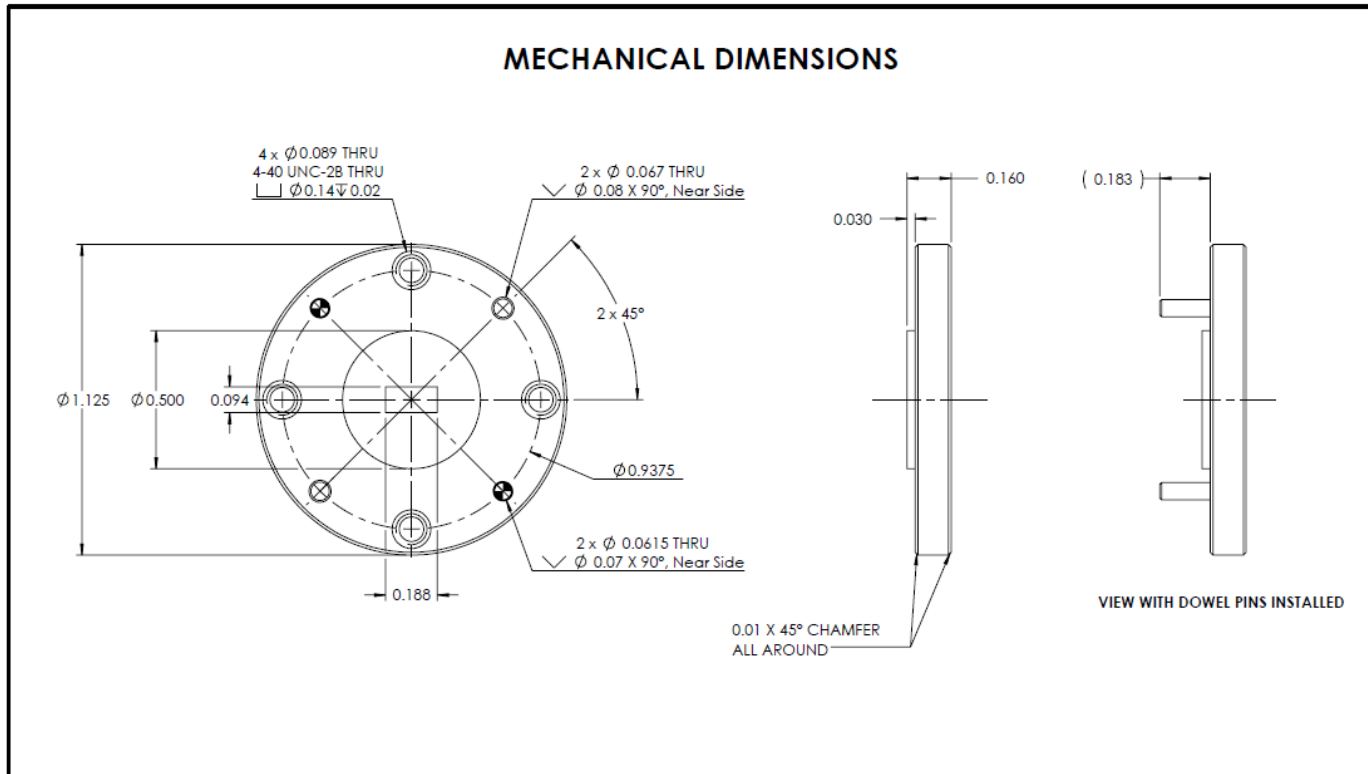
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-19 WAVEGUIDE WITH STANDARD FLANGE

Notes:

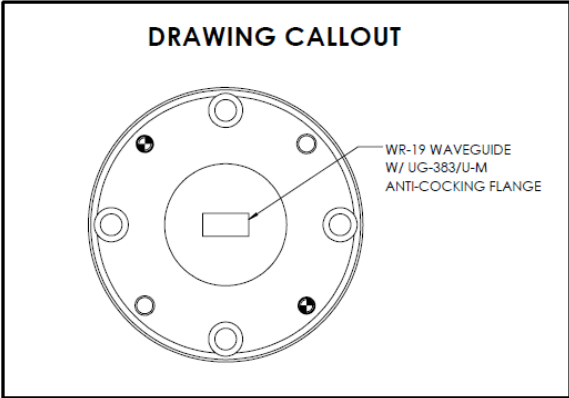
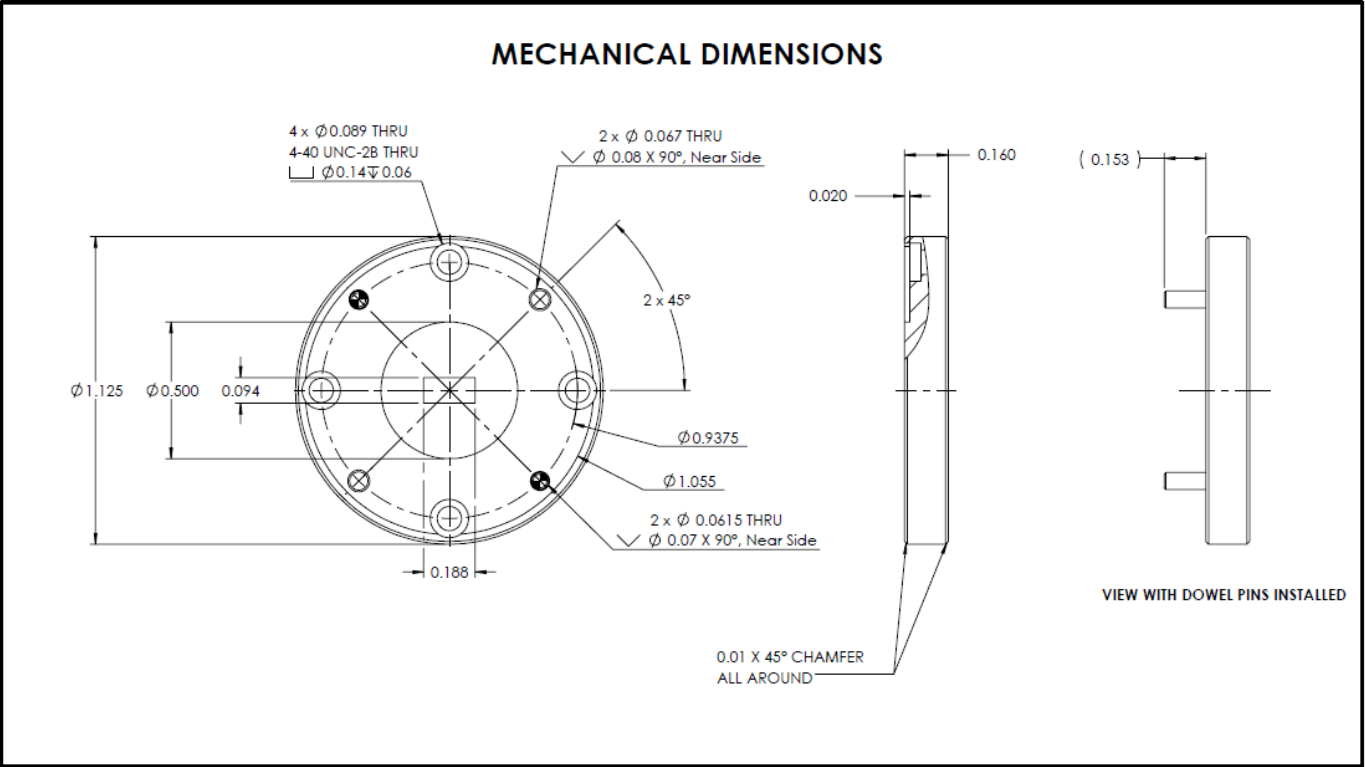
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-19 WAVEGUIDE WITH ANTI-COCKING FLANGE

Notes:

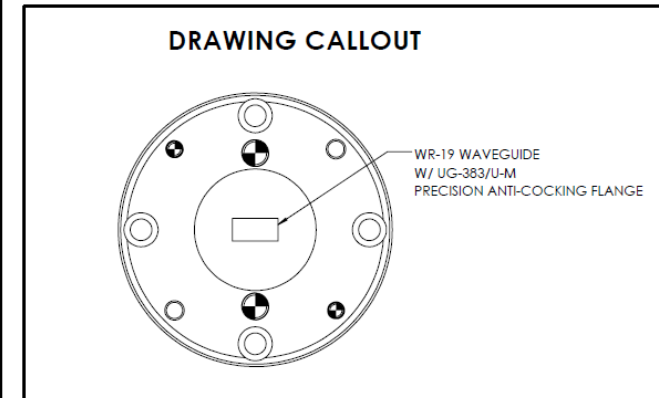
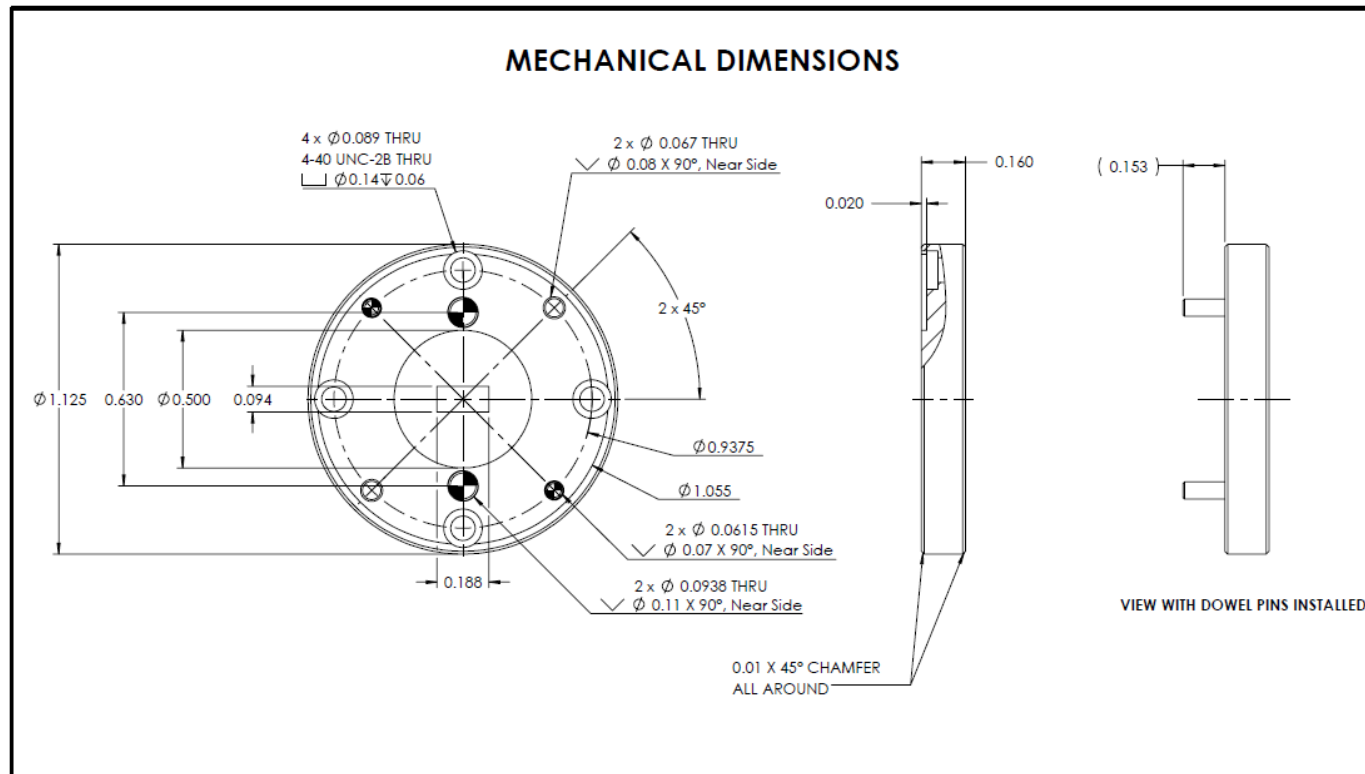
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-19 WAVEGUIDE WITH PRECISION ANTI-COCKING FLANGE

Notes:

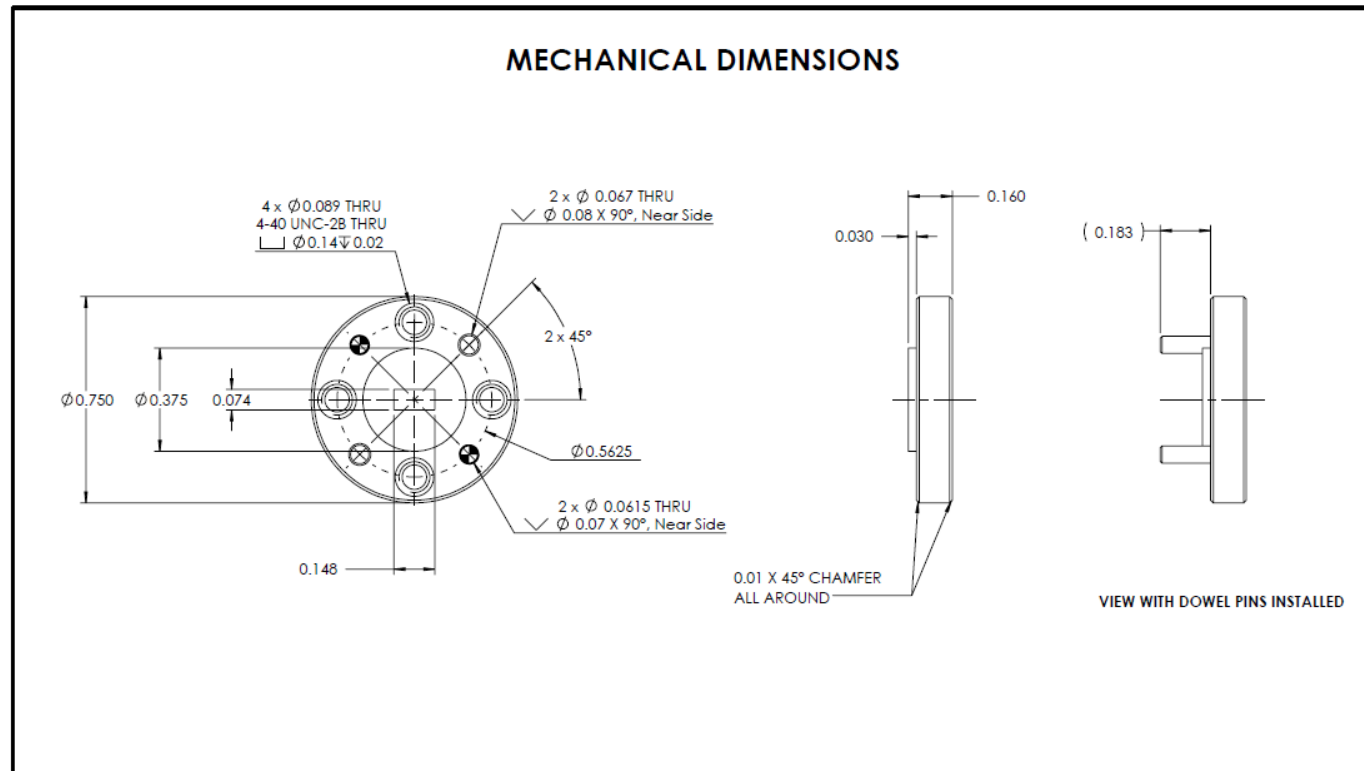
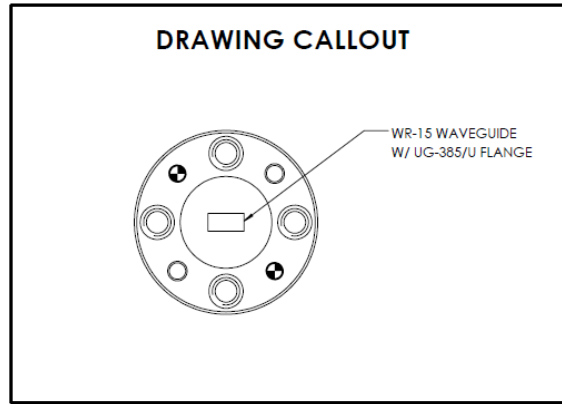
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-15 Waveguide with Standard Flange

Notes:

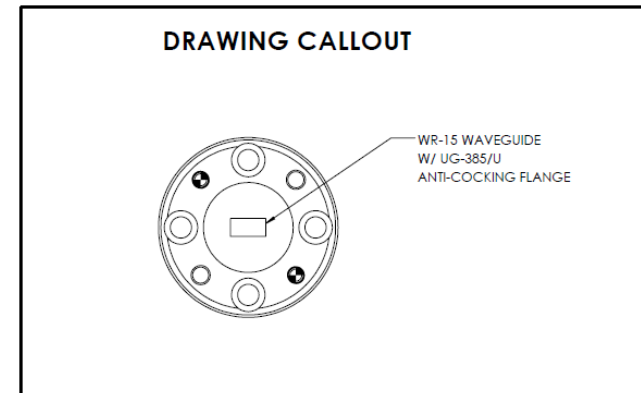
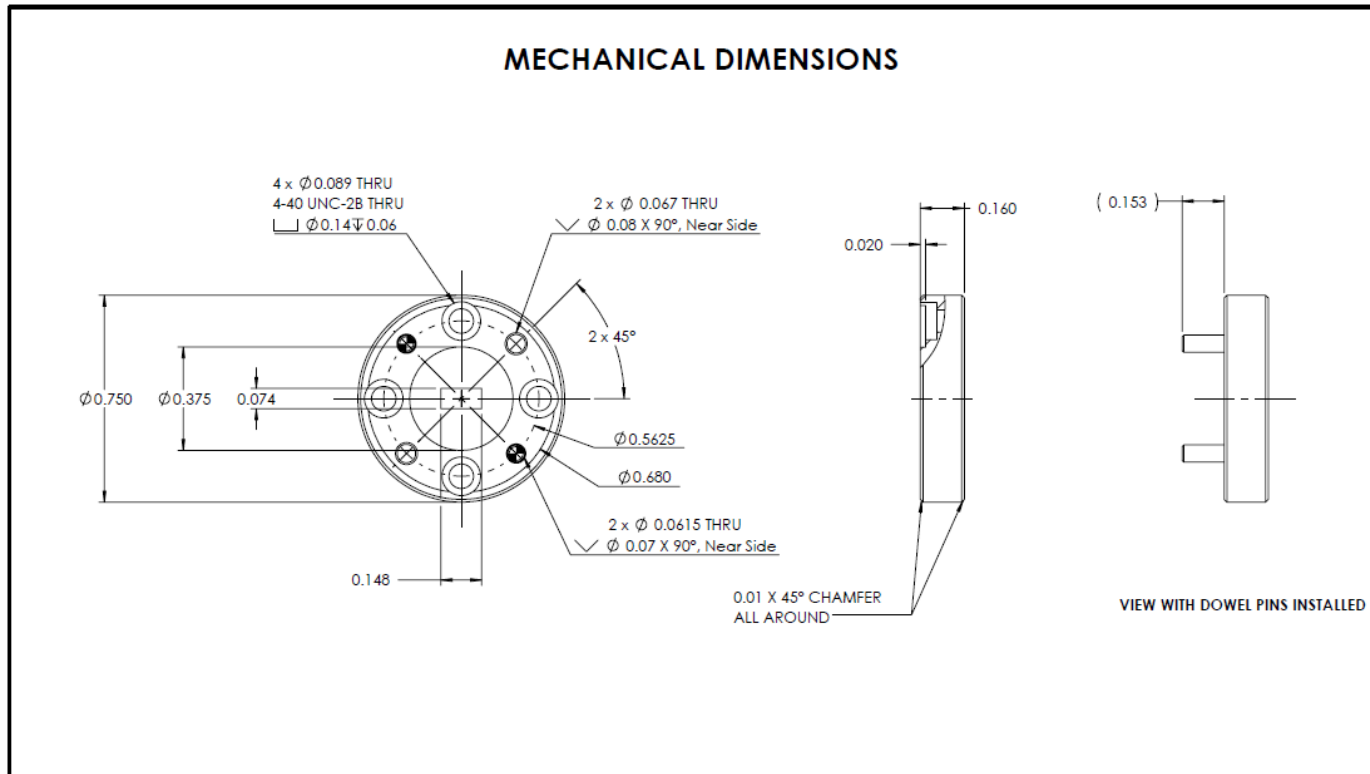
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-15 WAVEGUIDE WITH ANTI-COCKING FLANGE

Notes:

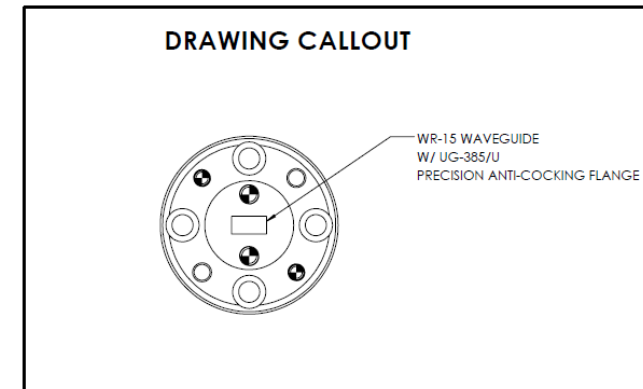
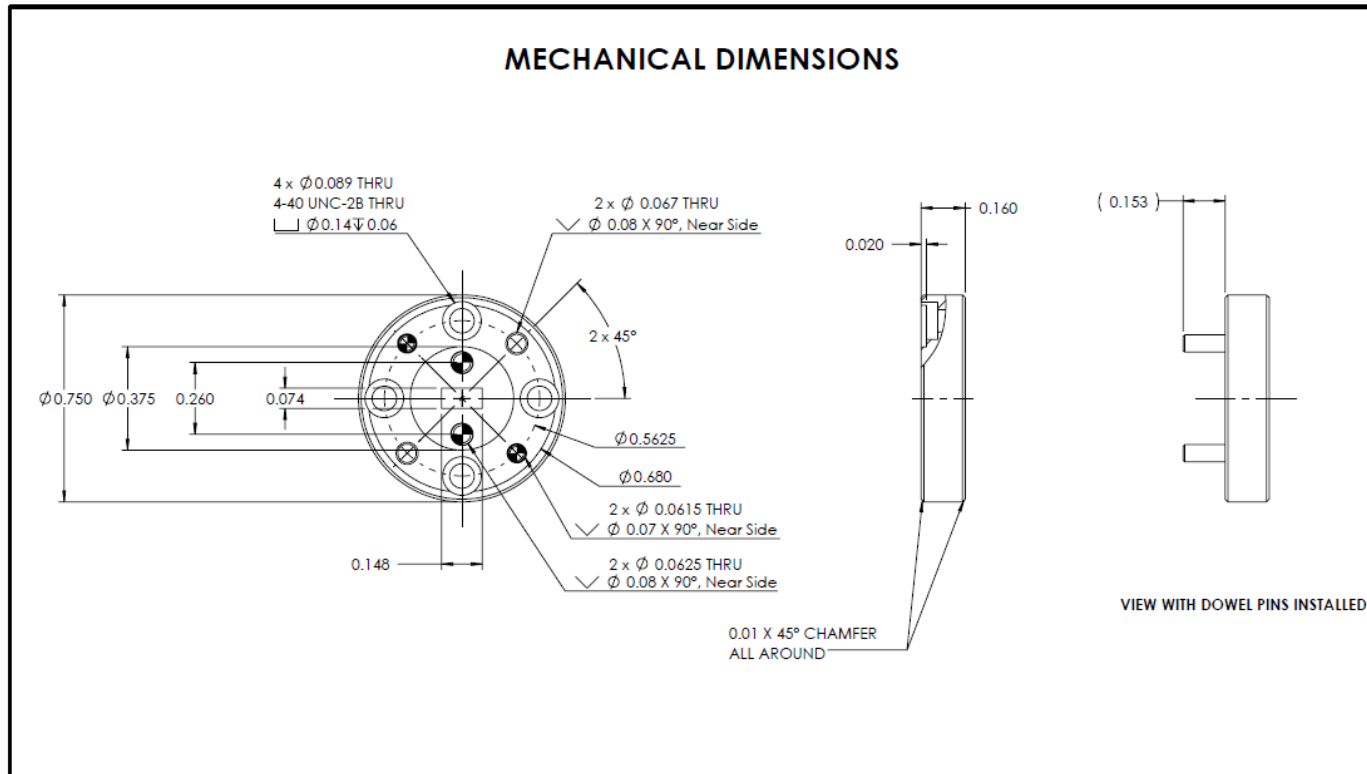
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-15 WAVEGUIDE WITH PRECISION ANTI-COCKING FLANGE

Notes:

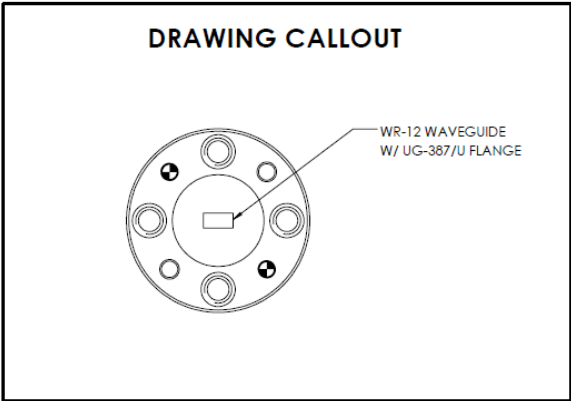
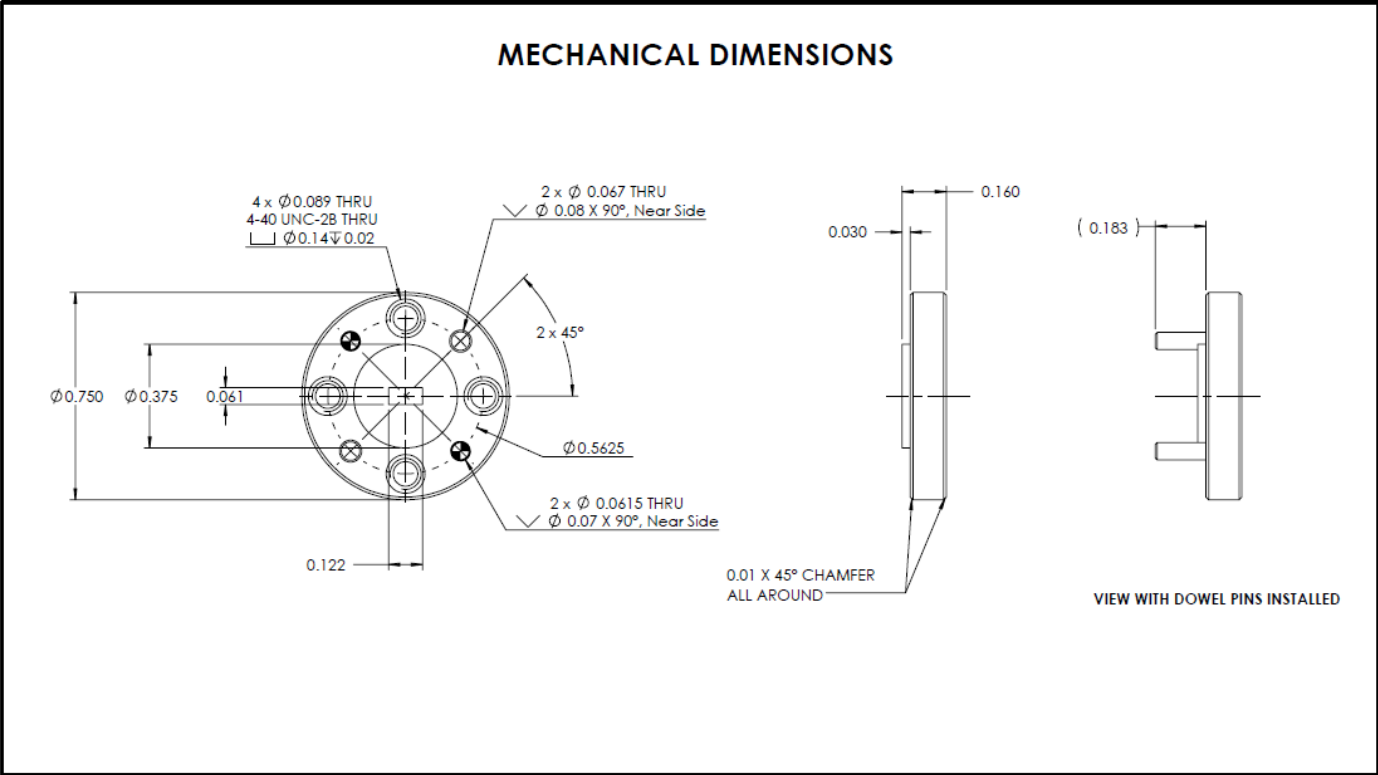
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-12 WAVEGUIDE WITH STANDARD FLANGE

Notes:

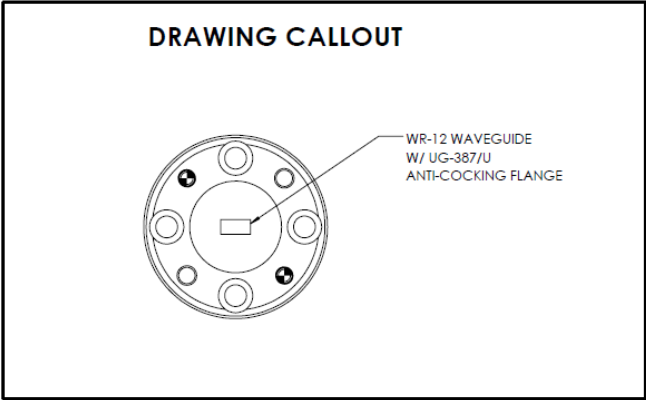
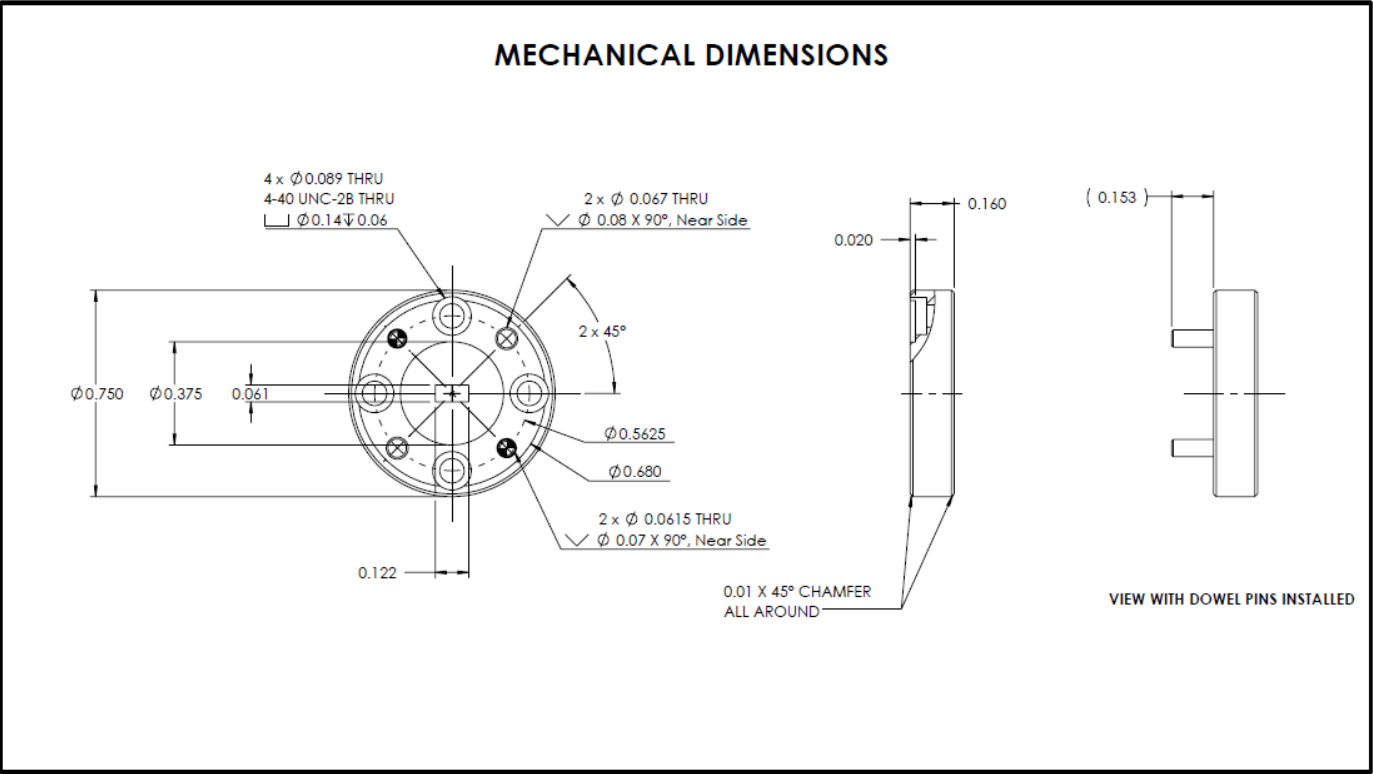
- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



WR-12 WAVEGUIDE WITH ANTI-COCKING FLANGE

Notes:

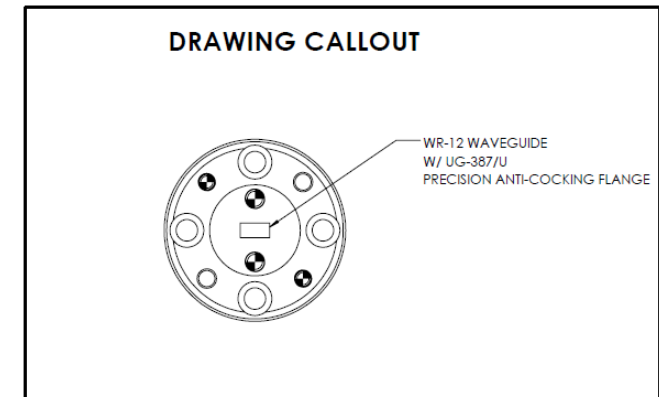
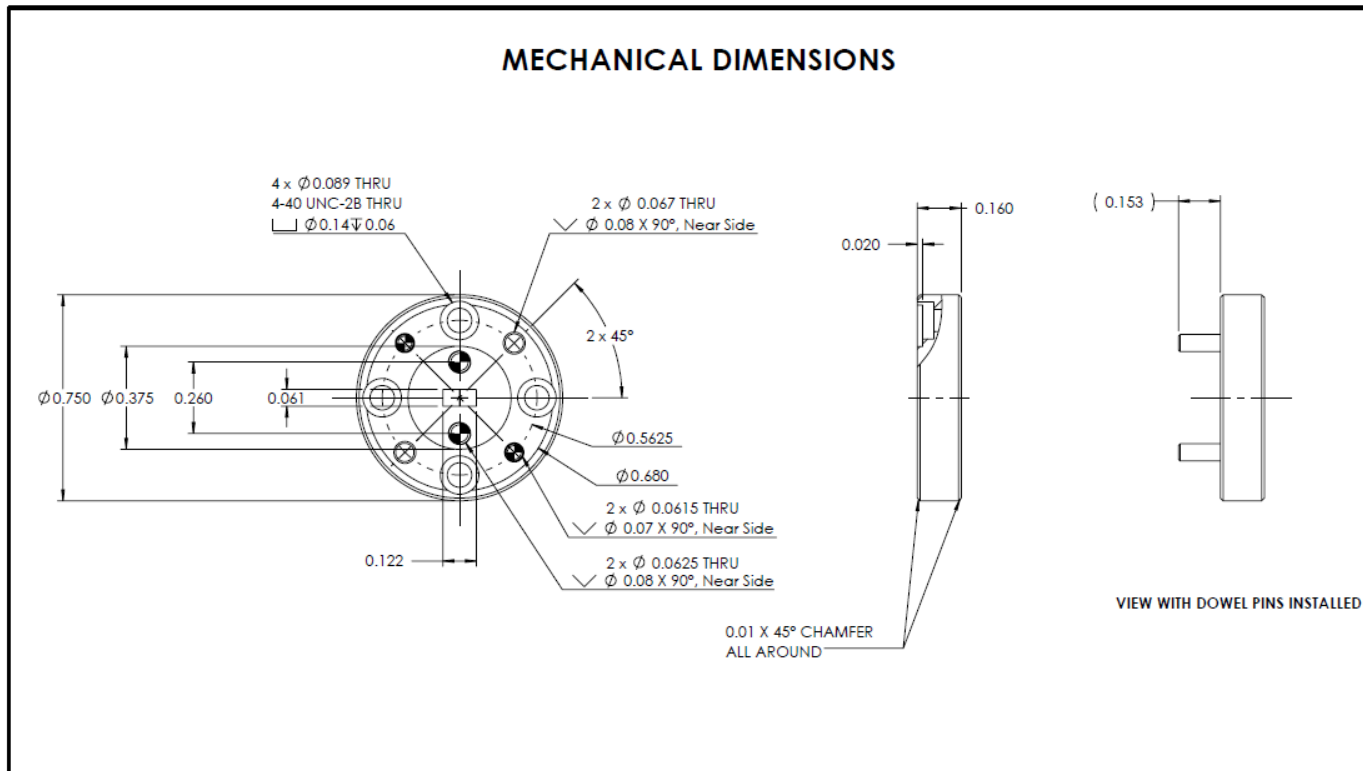
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



WR-12 WAVEGUIDE WITH PRECISION ANTI-COCKING FLANGE

Notes:

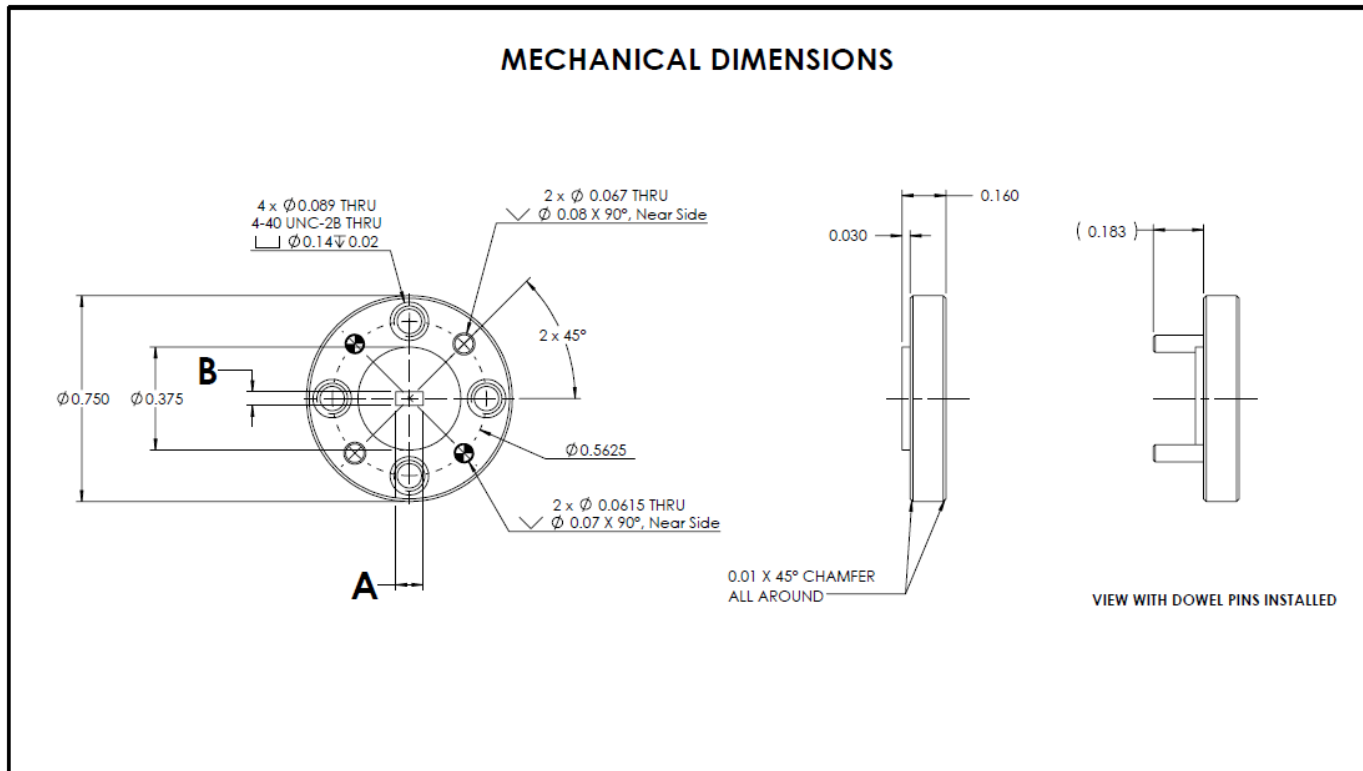
1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



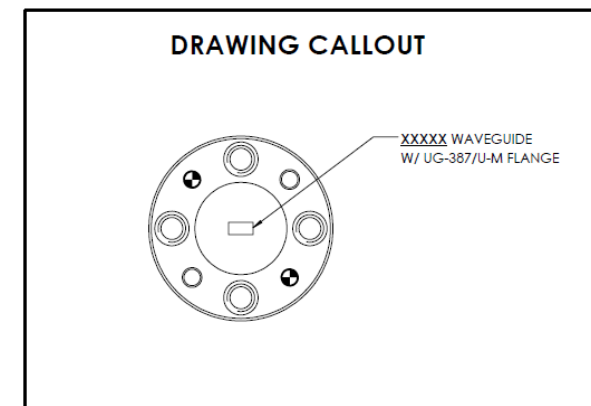
WR-10 THRU WR-03 WAVEGUIDE WITH STANDARD FLANGE

Notes:

1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



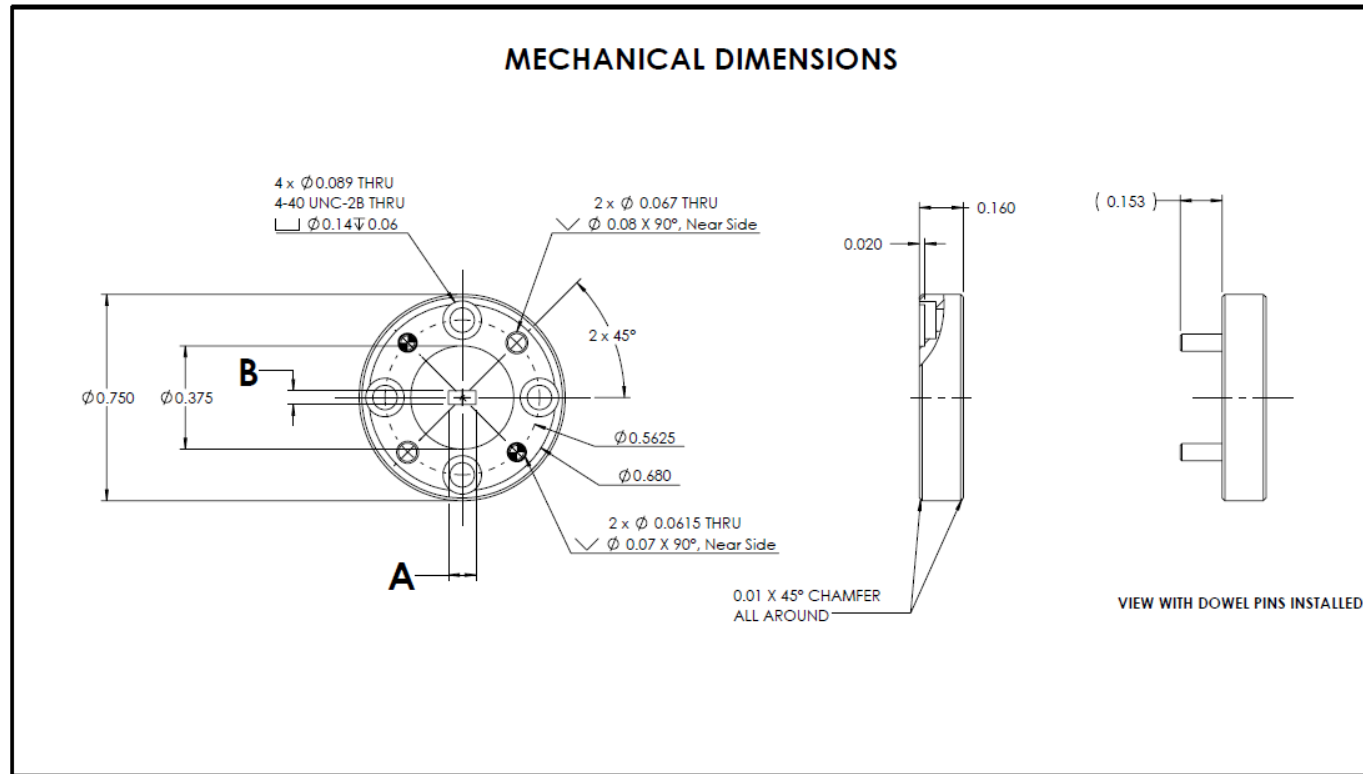
<u>XXXXX</u>	Dim "A"	Dim "B"
WR-10	0.100	0.050
WR-08	0.080	0.040
WR-06	0.0650	0.0325
WR-05	0.0510	0.0255
WR-04	0.0430	0.0215
WR-03	0.0340	0.0170



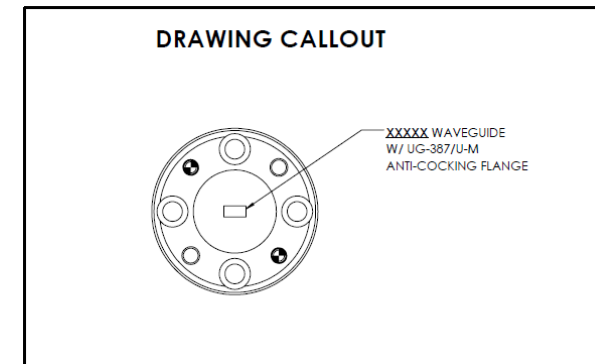
WR-10 THRU WR-03 WAVEGUIDE WITH ANTI-COCKING FLANGE

Notes:

1. All units are in inches.
2. Drawings are not to scale.
3. Actual hole depths may vary depending on the product.



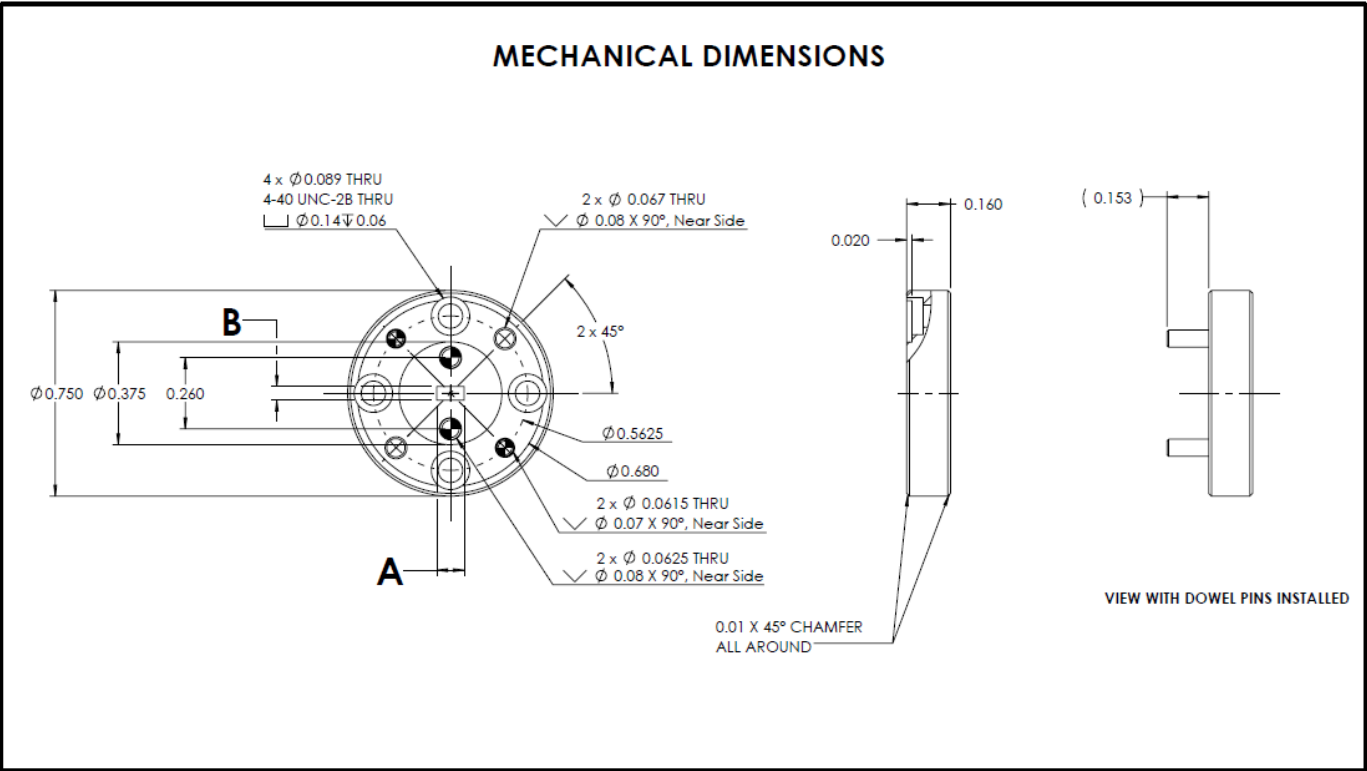
XXXXX	Dim "A"	Dim "B"
WR-10	0.100	0.050
WR-08	0.080	0.040
WR-06	0.0650	0.0325
WR-05	0.0510	0.0255
WR-04	0.0430	0.0215
WR-03	0.0340	0.0170



WR-10 THRU WR-03 WAVEGUIDE WITH PRECISION ANTI-COCKING FLANGE

Notes:

- 1. All units are in inches.
- 2. Drawings are not to scale.
- 3. Actual hole depths may vary depending on the product.



<u>XXXXX</u>	<u>Dim "A"</u>	<u>Dim "B"</u>
WR-10	0.100	0.050
WR-08	0.080	0.040
WR-06	0.0650	0.0325
WR-05	0.0510	0.0255
WR-04	0.0430	0.0215
WR-03	0.0340	0.0170

