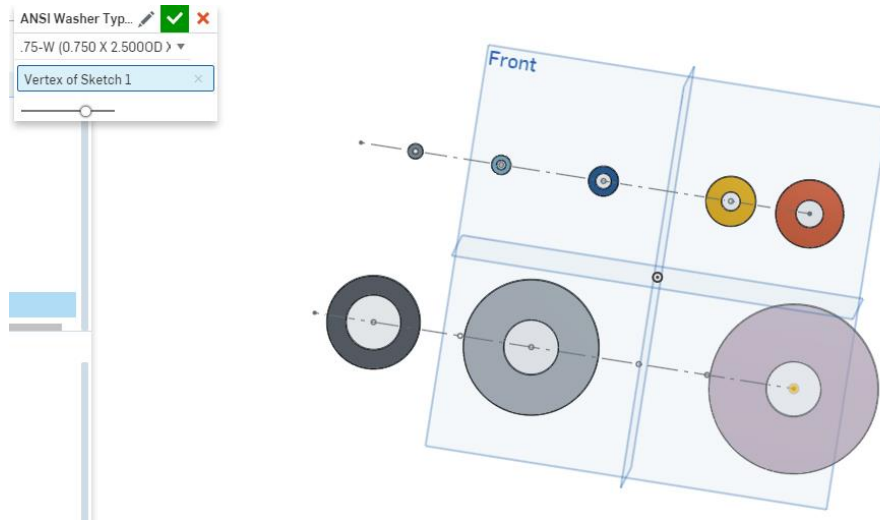


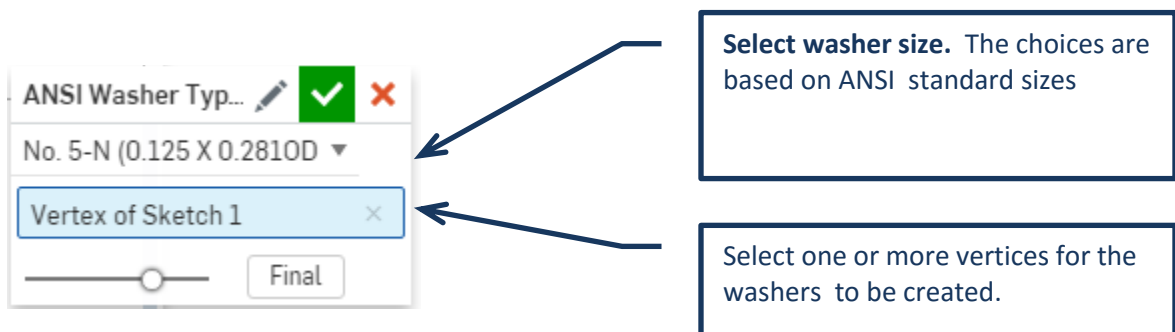
# ANSI Washers (BETA)

V1.0

The Washer Module allows you to quickly make standard ANSI Washers or generic washers with any dimensions



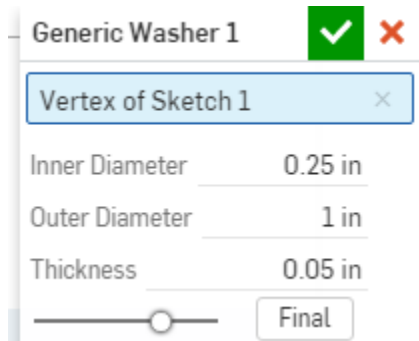
## Making an Ansi standard washer



## Making a generic washer

You can also make a washer of any size using the “Generic Washer” feature.

The input parameters are self-explanatory.



## ANSI Washer sizes

Nominal Size	Decimal Equiv. Size	Series	Inside Diameter	Outside Diameter	Thickness	Name
No. 0	0.060	N	0.068	0.125	0.025	No. 0-N (0.060 X .125OD X .025T )
		R	0.068	0.1880	0.0250	No. 0-N (0.060 X 0.188OD X 0.025T )
		W	0.0680	0.2500	0.0250	No. 0-N (0.060 X 0.250OD X 0.025T )
No. 1	0.073	N	0.0840	0.1560	0.0250	No. 1-N (0.073 X 0.156OD X 0.025T )
		R	0.0840	0.2190	0.0250	No. 1-N (0.073 X 0.219OD X 0.025T )
		W	0.0840	0.2810	0.0320	No. 1-N (0.073 X 0.281OD X 0.032T )
No. 2	0.086	N	0.0940	0.1880	0.0250	No. 2-N (0.086 X 0.188OD X 0.025T )
		R	0.0940	0.2500	0.0320	No. 2-N (0.086 X 0.250OD X 0.032T )
		W	0.0940	0.3440	0.0320	No. 2-N (0.086 X 0.344OD X 0.032T )
No. 3	0.099	N	0.1090	0.2190	0.0250	No. 3-N (0.099 X 0.219OD X 0.025T )
		R	0.1090	0.3120	0.0320	No. 3-N (0.099 X 0.312OD X 0.032T )
		W	0.1090	0.4060	0.0400	No. 3-N (0.099 X 0.406OD X 0.040T )
No. 4	0.112	N	0.1250	0.2500	0.0320	No. 4-N (0.112 X 0.250OD X 0.032T )
		R	0.1250	0.3750	0.0400	No. 4-N (0.112 X 0.375OD X 0.040T )
		W	0.1250	0.438	0.04	No. 4-N (0.112 X .438OD X .04T )
No. 5	0.125	N	0.1410	0.2810	0.0320	No. 5-N (0.125 X 0.281OD X 0.032T )
		R	0.1410	0.4060	0.0400	No. 5-N (0.125 X 0.406OD X 0.040T )
		W	0.1410	0.5000	0.0400	No. 5-N (0.125 X 0.500OD X 0.040T )
No. 6	0.138	N	0.1560	0.3120	0.0320	No. 6-N (0.138 X 0.312OD X 0.032T )

		R	0.1560	0.4380	0.0400	No. 6-N (0.138 X 0.438OD X 0.040T )
		W	0.1560	0.5620	0.0400	No. 6-N (0.138 X 0.562OD X 0.040T )
<b>No. 8</b>	0.164	N	0.1880	0.3750	0.0400	No. 8-N (0.164 X 0.375OD X 0.040T )
		R	0.1880	0.5000	0.0400	No. 8-N (0.164 X 0.500OD X 0.040T )
		W	0.1880	0.6250	0.0630	No. 8-N (0.164 X 0.625OD X 0.063T )
<b>No. 10</b>	0.190	N	0.2030	0.4060	0.0400	No. 10-N (0.190 X 0.406OD X 0.040T )
		R	0.2030	0.5620	0.0400	No. 10-N (0.190 X 0.562OD X 0.040T )
		W	0.2030	0.7340	0.0630	No. 10-N (0.190 X 0.734OD X 0.063T )
<b>No. 12</b>	0.216	N	0.2340	0.4380	0.0400	No. 12-N (0.216 X 0.438OD X 0.040T )
		R	0.2340	0.6250	0.0630	No. 12-N (0.216 X 0.625OD X 0.063T )
		W	0.2340	0.8750	0.0630	No. 12-N (0.216 X 0.875OD X 0.063T )
<b>.25</b>	0.25	N	0.2810	0.5000	0.0630	.25-N (0.25 X 0.500OD X 0.063T )
		R	0.2810	0.7340	0.0630	.25-N (0.25 X 0.734OD X 0.063T )
		W	0.2810	1.0000	0.0630	.25-N (0.25 X 1.000OD X 0.063T )
<b>.3125</b>	0.312	N	0.3440	0.6250	0.0630	.3125-N (0.312 X 0.625OD X 0.063T )
		R	0.3440	0.8750	0.0630	.3125-N (0.312 X 0.875OD X 0.063T )
		W	0.3440	1.1250	0.0630	.3125-N (0.312 X 1.125OD X 0.063T )
<b>.375</b>	0.375	N	0.4060	0.7340	0.0630	.375-N (0.375 X 0.734OD X 0.063T )
		R	0.4060	1.0000	0.0630	.375-N (0.375 X 1.000OD X 0.063T )
		W	0.4060	1.2500	0.1000	.375-N (0.375 X 1.250OD X 0.100T )
<b>.4375</b>	0.438	N	0.4690	0.8750	0.0630	.4375-N (0.438 X 0.875OD X 0.063T )
		R	0.4690	1.1250	0.0630	.4375-N (0.438 X 1.125OD X 0.063T )
		W	0.4690	1.4690	0.1000	.4375-N (0.438 X 1.469OD X 0.100T )
<b>0.5</b>	0.500	N	0.5310	1.0000	0.0630	0.5-N (0.500 X 1.000OD X 0.063T )
		R	0.5310	1.2500	0.1000	0.5-N (0.500 X 1.250OD X 0.100T )
		W	0.5310	1.7500	0.1000	0.5-N (0.500 X 1.750OD X 0.100T )
<b>.5625</b>	0.562	N	0.5940	1.1250	0.0630	.5625 -N (0.562 X 1.125OD X 0.063T )
		R	0.5940	1.4690	0.1000	.5625 -N (0.562 X 1.469OD X 0.100T )
		W	0.5940	2.0000	0.1000	.5625 -N (0.562 X 2.000OD X 0.100T )
<b>.625</b>	0.625	N	0.6560	1.2500	0.1000	.625-N (0.625 X 1.250OD X 0.100T )
		R	0.6560	1.7500	0.1000	.625-N (0.625 X 1.750OD X 0.100T )
		W	0.6560	2.2500	0.1600	.625-N (0.625 X 2.250OD X 0.160T )
<b>.75</b>	0.750	N	0.8120	1.3750	0.1000	.75 -N (0.750 X 1.375OD X 0.100T )
		R	0.8120	2.0000	0.1000	.75 -N (0.750 X 2.000OD X 0.100T )
		W	0.8120	2.5000	0.1600	.75 -N (0.750 X 2.500OD X 0.160T )
<b>.875</b>	0.875	N	0.9380	1.4690	0.1000	.875-N (0.875 X 1.469OD X 0.100T )
		R	0.9380	2.2500	0.1600	.875-N (0.875 X 2.250OD X 0.160T )
		W	0.9380	2.7500	0.1600	.875-N (0.875 X 2.750OD X 0.160T )
<b>1</b>	1.000	N	1.0620	1.7500	0.1000	1-N (1.000 X 1.750OD X 0.100T )
		R	1.0620	2.5000	0.1600	1-N (1.000 X 2.500OD X 0.160T )
		W	1.0620	3.0000	0.1600	1-N (1.000 X 3.000OD X 0.160T )

<b>1.125</b>	1.125	N	1.1880	2.0000	0.1000	1.125-N (1.125 X 2.000OD X 0.100T )
		R	1.1880	2.7500	0.1600	1.125-N (1.125 X 2.750OD X 0.160T )
		W	1.1880	3.2500	0.1600	1.125-N (1.125 X 3.250OD X 0.160T )
<b>1.25</b>	1.250	N	1.3120	2.2500	0.1600	1.25-N (1.250 X 2.250OD X 0.160T )
		R	1.3120	3.0000	0.1600	1.25-N (1.250 X 3.000OD X 0.160T )
		W	1.3120	3.5000	0.2500	1.25-N (1.250 X 3.500OD X 0.250T )
<b>1.375</b>	1.375	N	1.4380	2.5000	0.1600	1.375 -N (1.375 X 2.500OD X 0.160T )
		R	1.4380	3.2500	0.1600	1.375 -N (1.375 X 3.250OD X 0.160T )
		W	1.4380	3.7500	0.2500	1.375 -N (1.375 X 3.750OD X 0.250T )
<b>1.5</b>	1.500	N	1.5620	2.7500	0.1600	1.5-N (1.500 X 2.750OD X 0.160T )
		R	1.5620	3.5000	0.2500	1.5-N (1.500 X 3.500OD X 0.250T )
		W	1.5620	4.0000	0.2500	1.5-N (1.500 X 4.000OD X 0.250T )
<b>1.625</b>	1.625	N	1.7500	3.0000	0.1600	1.625-N (1.625 X 3.000OD X 0.160T )
		R	1.7500	3.7500	0.2500	1.625-N (1.625 X 3.750OD X 0.250T )
		W	1.7500	4.2500	0.2500	1.625-N (1.625 X 4.250OD X 0.250T )
<b>1.75</b>	1.750	N	1.8750	3.2500	0.1600	1.75-N (1.750 X 3.250OD X 0.160T )
		R	1.8750	4.0000	0.2500	1.75-N (1.750 X 4.000OD X 0.250T )
		W	1.8750	4.5000	0.2500	1.75-N (1.750 X 4.500OD X 0.250T )
<b>1.875</b>	1.875	N	2.0000	3.5000	0.2500	1.875-N (1.875 X 3.500OD X 0.250T )
		R	2.0000	4.2500	0.2500	1.875-N (1.875 X 4.250OD X 0.250T )
		W	2.0000	4.7500	0.2500	1.875-N (1.875 X 4.750OD X 0.250T )
<b>2</b>	2.000	N	2.1250	3.7500	0.2500	2-N (2.000 X 3.750OD X 0.250T )
		R	2.1250	4.5000	0.2500	2-N (2.000 X 4.500OD X 0.250T )
		W	2.1250	5.0000	0.2500	2-N (2.000 X 5.000OD X 0.250T )
<b>2.25</b>	2.250	N	2.3750	4.0000	0.2500	2.25-N (2.250 X 4.000OD X 0.250T )
		R	2.3750	5.0000	0.2500	2.25-N (2.250 X 5.000OD X 0.250T )
		W	2.3750	5.5000	0.3750	2.25-N (2.250 X 5.500OD X 0.375T )
<b>2.5</b>	2.500	N	2.6250	4.5000	0.25	2.5-N (2.500 X 4.500OD X .25T )
		R	2.6250	5.5000	0.3750	2.5-N (2.500 X 5.500OD X 0.375T )
		W	2.6250	6.0000	0.3750	2.5-N (2.500 X 6.000OD X 0.375T )
<b>2.75</b>	2.750	N	2.875	5.0000	0.2500	2.75-N (2.750 X 5.000OD X 0.250T )
		R	2.8750	6.0000	0.3750	2.75-N (2.750 X 6.000OD X 0.375T )
		W	2.8750	6.5000	0.3750	2.75-N (2.750 X 6.500OD X 0.375T )
<b>3</b>	3.000	N	3.1250	5.5000	0.3750	3-N (3.000 X 5.500OD X 0.375T )
		R	3.125	6.5000	0.3750	3-N (3.000 X 6.500OD X 0.375T )
		W	3.1250	7.0000	0.375	3-N (3.000 X 7.000OD X .375T )

## Using Onshape Featurescript

Featurescript is a way to extend Onshape with powerful, easy to use new features. You can learn more about it at <https://www.onshape.com/featurescript>

## Support

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