

**COUNTERSUNK EXTERNAL TOOTH
LOCK WASHERS ASME B18.21.1-1999**
Steel & Stainless Steel Countersunk External Tooth Lockwashers

**Description:**

A concave shaped locking washer with teeth or prongs which extend outward from the outside edge of the washer. This maintains essential tension and opposes any loosening influence on the fastener. The flexed teeth absorb shock, vibration and slipping.

Applications:

The countersunk external tooth washer is the preferred lock washer for Flat Countersunk or Oval Countersunk Screws with angles of 82 or 100 degrees.

Materials:

Carbon Steel: SAE 1050 - 1065 spring steel

18-8 Stainless Steel: SAE 301 - 305

Hardness:

Carbon Steel: Rockwell C40 - 50

18-8 Stainless Steel: Rockwell C20 - 45

Product Line Codes:**Style:**

Steel Yellow Zinc:

Steel Zinc:

18-8 Stainless Steel:

Code:

[WA042](#)

[WA043](#)

[ST213](#)

Specifications

Nominal Washer Size	Inside Diameter		Outside Diameter	Thickness		Length		
	Max	Min		Max	Min	Max	Min	
#4	0.112	0.123	0.113	0.213	0.019	0.015	0.065	0.050
#6	0.138	0.150	0.140	0.289	0.021	0.017	0.092	0.082
#8	0.164	0.177	0.167	0.322	0.021	0.017	0.099	0.083
#10	0.190	0.205	0.195	0.354	0.025	0.020	0.105	0.088
#12	0.216	0.231	0.220	0.421	0.025	0.020	0.128	0.118
1/4"	0.250	0.267	0.255	0.454	0.025	0.020	0.128	0.113
5/16"	0.312	0.333	0.320	0.599	0.028	0.023	0.192	0.165
3/8"	0.375	0.398	0.384	0.765	0.034	0.028	0.255	0.242
1/2"	0.500	0.530	0.513	0.976	0.045	0.037	0.304	0.294

unless otherwise specified, all dimensions are in inches

Outside Diameter is for reference purposes only, not subject to inspection

