

SPRING WASHER IMPERIAL STAINLESS STEEL



STAINLESS
STEEL
316

APPLICATION

Bremick® Spring washers help to maintain a consistent clamping force in the joint by adding tension to the assembly even during forces like vibration, reducing the possibility of loosening.

PRODUCT ATTRIBUTES

Material Class: Stainless Steel 316

Standard: Complies to ASME B18.21.1:2009

Mechanical Properties: Complies to ASME B18.21.1:2009

Chemical Composition: Complies to SAE J405:2018

MECHANICAL PROPERTIES

PROPERTIES	HARDNESS	
	ROCKWELL (HRC)	
	MIN	MAX
STAINLESS STEEL ≤ 5/8	35	43
STAINLESS STEEL > 5/8	32	43

CHEMICAL COMPOSITION (%)

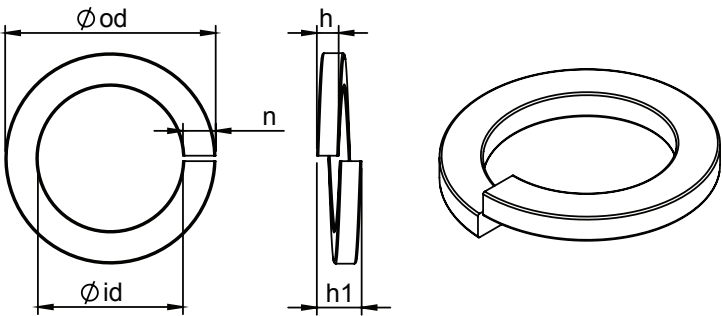
STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Ni	N	Mo
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	MAX	RANGE
316	0.08	0.75	2.00	0.045	0.030	16.00-18.00	10.00-14.00	0.10	2.00-3.00

MATERIAL INFORMATION

STAINLESS STEEL 316

DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate

DIMENSIONAL DATA (inches)



DIAMETER (mm)	INNER DIAMETER (id)		OUTER DIAMETER (od)	WIDTH (n)	THICKNESS (h)
NOMINAL	MIN	MAX	MAX	MIN	MIN
3/16	0.193	0.200	0.334	0.062	0.047
1/4	0.252	0.260	0.487	0.109	0.062
5/16	0.314	0.322	0.583	0.125	0.078
3/8	0.377	0.385	0.680	0.141	0.094
1/2	0.502	0.512	0.869	0.171	0.125
5/8	0.628	0.641	1.073	0.203	0.156
3/4	0.753	0.766	1.265	0.234	0.188

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