

FLAT ROUND WASHER
GRADE 8 IMPERIAL



BLACK

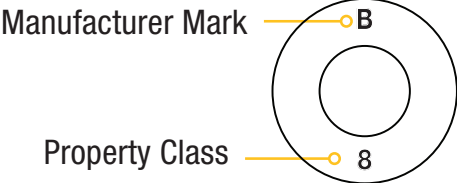
APPLICATION

Bremick® Grade 8 washers are heavy-duty, high-strength washers designed for use in high-load, high-stress bolted joints, typically paired with Grade 8 bolts

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 8
Finish:	Plain/Black/Natural
Standard:	Complies to ASTM F436/F436M:2024
Mechanical Properties:	Complies to ASTM F436/F436M:2024
Chemical Composition:	Complies to ASTM F436/F436M:2024

MARKING



In some cases, the Bremick marking will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES

PROPERTIES	HARDNESS	
	ROCKWELL (HRC)	
	MIN	
GRADE 8	38-45	

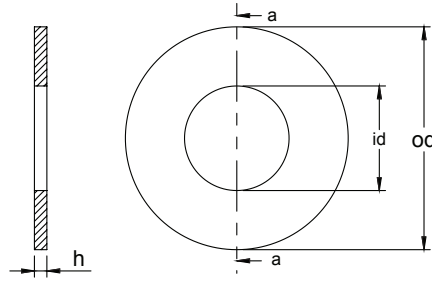
CHEMICAL COMPOSITION (%)

MATERIAL	P	S
	MAX	MAX
HEAT ANALYSIS	0.040	0.050
PRODUCT ANALYSIS	0.050	0.060

FINISH INFORMATION

PLAIN / BLACK / NATURAL		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

DIMENSIONAL DATA (inches)



DIAMETER NOMINAL	INSIDE DIAMETER (id)		OUTSIDE DIAMETER (od)		THICKNESS (h)	
	MIN	MAX	MIN	MAX	MIN	MAX
1/4	0.281	0.313	0.593	0.657	0.051	0.080
5/16	0.344	0.376	0.656	0.720	0.051	0.080
3/8	0.406	0.438	0.781	0.845	0.051	0.080
7/16	0.469	0.501	0.890	0.954	0.051	0.080
1/2	0.531	0.563	1.031	1.095	0.097	0.177
9/16	0.625	0.657	1.156	1.220	0.110	0.177
5/8	0.688	0.720	1.281	1.345	0.122	0.177
3/4	0.813	0.845	1.436	1.500	0.122	0.177
7/8	0.938	0.970	1.718	1.782	0.136	0.177
1	1.063	1.126	1.937	2.063	0.136	0.177
1 1/8	1.188	1.251	2.187	2.131	0.136	0.177
1 1/4	1.375	1.438	2.437	2.563	0.136	0.177
1 3/8	1.500	1.563	2.687	2.813	0.136	0.177
1 1/2	1.625	1.688	2.937	3.063	0.136	0.177
1 3/4	1.875	1.938	3.312	3.438	0.178	0.280
2	2.125	2.188	3.687	3.813	0.178	0.280

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