


Flat Washers

PC 4110, 4010, 4300, 4015

Flat Washers Steel - general use; Stainless steel - corrosion and chemical resistant; Solid brass - good in water and salt air; Silicon bronze - harder than brass, marine use and high resistance to extreme temperatures; Hard alloy - used with grade 5 and 8 bolts.

- Zinc Plated Steel
- Stainless Steel
- Solid Brass
- Silicon Bronze
- Hard Alloy
- Invincibox™ Up To 1/2"

CAT NO	UPC	BOLT SIZE	INSIDE/OUTSIDE DIAMETER	THICKNESS	STD	SLEEVE	MSTR	WT/STD	UNIT
Zinc Plated Steel - PC 4110									
FW6	31060	#6	5/32" x 3/8"	3/64"	100	500	4000	0.12#	C
FW8	31065	#8	3/16" x 7/16"	3/64"	100	500	4000	0.17#	C
FW10	31075	#10 (3/16)	7/32" x 1/2"	3/64"	100	500	4000	0.23#	C
FW14	31080	1/4"	5/16" x 3/4"	1/16"	100	500	4000	0.67#	C
FW516	31085	5/16"	3/8" x 7/8"	1/16"	100	500	3000	0.86#	C
FW38	31090	3/8"	7/16" x 1"	1/16"	100	500	3000	1.49#	C
FW12	31095	1/2"	9/16" x 1-3/8"	3/32"	50	250	1500	1.93#	C
FW58	31100	5/8"	11/16" x 1-3/4"	3/32"	25	125	750	1.99#	C
FW34	31105	3/4"	13/16" x 2"	9/64"	25	125	250	2.75#	C
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FWT14	31096	Tuff Pack	1/4"	5/16" x 3/4"	1/16"	500	3000	7.53#	C
FWT38	31097		3/8"	7/16" x 1"	1/16"	250	1500	4.23#	C
FWT12	31098		1/2"	9/16" x 1-3/8"	3/32"	150	900	5.15#	C
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Stainless Steel - PC 4010									
FWS6	69880	#6	5/32" x 3/8"	3/64"	100	500	4000	0.10#	C
FWS8	69882	#8	3/16" x 7/16"	3/64"	100	500	4000	0.12#	C
FWS10	69884	#10 (3/16)	7/32" x 1/2"	3/64"	100	500	4000	0.17#	C
FWS14	69886	1/4"	5/16" x 3/4"	1/16"	100	500	4000	0.32#	C
FWS516	69888	5/16"	3/8" x 7/8"	1/16"	100	500	3000	0.43#	C
FWS38	69890	3/8"	7/16" x 1"	1/16"	100	500	3000	0.62#	C
FWS12	69892	1/2"	9/16" x 1-3/8"	3/32"	50	250	1500	0.82#	C
FWS58	69894	5/8"	11/16" x 1-3/4"	3/32"	25	125	750	0.77#	C
FWS34	69896	3/4"	13/16" x 2"	9/64"	25	125	250	1.62#	C
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Solid Brass - PC 4300									
FWBR6	31110	#6	5/32" x 3/8"	3/64"	100	500	4000	0.10#	C
FWBR8	31115	#8	3/16" x 7/16"	3/64"	100	500	4000	0.12#	C
FWBR10	31120	#10 (3/16)	7/32" x 1/2"	3/64"	100	500	4000	0.15#	C
FWBR14	31125	1/4"	5/16" x 3/4"	1/16"	100	500	4000	0.58#	C
FWBR516	31130	5/16"	3/8" x 7/8"	1/16"	100	500	3000	0.91#	C
FWBR38	31135	3/8"	7/16" x 1"	1/16"	100	500	3000	1.52#	C
FWBR12	31140	1/2"	9/16" x 1-3/8"	3/32"	50	250	1500	1.79#	C
FWBR58	31145	5/8"	11/16" x 1-3/4"	3/32"	25	125	750	1.88#	C
FWBR34	31127	3/4"	13/16" x 2"	9/64"	25	125	250	1.92#	C
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Silicon Bronze - PC 4015									
FWBZ6	30979	#6	5/32" x 3/8"	3/64"	100	500	4000	0.10#	C
FWBZ8	30980	#8	3/16" x 7/16"	3/64"	100	500	4000	0.12#	C
FWBZ10	30981	#10 (3/16)	7/32" x 1/2"	3/64"	100	500	4000	0.14#	C
FWBZ14	30982	1/4"	5/16" x 3/4"	1/16"	100	500	4000	0.42#	C
FWBZ516	30983	5/16"	3/8" x 7/8"	1/16"	100	500	3000	0.72#	C
FWBZ38	30984	3/8"	7/16" x 1"	1/16"	100	500	3000	0.99#	C
FWBZ12	30985	1/2"	9/16" x 1-3/8"	3/32"	50	250	1500	1.18#	C
FWBZ58	30986	5/8"	11/16" x 1-3/4"	3/32"	25	125	750	1.49#	C
FWBZ34	30987	3/4"	13/16" x 2"	9/64"	25	125	250	2.75#	C
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Hard Alloy - Zinc Plated (For Grade 5 & 8) - PC 4015									
FWHA14	30989	1/4"	5/16" x 3/4"	1/16"	100	500	2500	0.67#	C
FWHA516	30990	5/16"	3/8" x 7/8"	1/16"	100	500	1000	0.86#	C
FWHA38	30991	3/8"	7/16" x 1"	1/16"	100	500	1000	1.49#	C
FWHA12	30992	1/2"	9/16" x 1-3/8"	3/32"	50	250	500	1.93#	C
FWHA58	30993	5/8"	11/16" x 1-3/4"	3/32"	25	125	100	1.93#	C
FWHA34	30994	3/4"	13/16" x 2"	9/64"	25	125	100	2.75#	C