



Product Specifications

Porteous Fastener Company purchases our products to industry standards whenever possible. These tables list many of PFC's products listed in this catalog and associated specifications.

Products	Category Numbers	Mechanical Specifications	Dimensional Specifications	Comments
Hex Bolts, Hex Machine Bolts, Square Head Bolts	00024, 00026, 00028, 00029	ASTM A307 Grade A	ASME B18.2.1	
Tap Bolts: Gr. A	00022	ASTM A307 Grade A	ASME B18.2.1	Full thread to 6 inches
Tap Bolts: Grade 5	00023	SAE J429	ASME B18.2.1	Full thread to 6 inches
Hex Bolts: Gr B, Heavy Hex	00030	ASTM A307 Grade B	ASME B18.2.1	6 inches of thread 10 inch and longer
Cap Screws: Grades 2, 5 and 8	00020, 00050, 00051, 00056, 00057, 00080, 00081	SAE J429	ASME B18.2.1	SAE J429 applies to screws 1/4 through 1 1/2"
Carriage Bolts: Grade A	00100	ASTM A307 Grade A	ASME B18.5	Full thread to 6 inches, undersize body 6 1/2-12"
Carriage Bolts: Grade 5	00105	SAE J429	ASME B18.5	Full thread to 6 inches
Timber Bolts	00108	ASTM A307 Grade A		
Lag Screws	00110	SAE J429 Grade 1	ASME B18.2.1	
Plow Bolts: Grade 5, No. 3 Head	00120	SAE J429	ASME B18.9	
Plow Bolts: Grade 5, Clipped, Elliptical, and Large Head	00122, 00125, 00126, 00127	SAE J429	ASME B18.9 (in part only)	
Step Bolts	00130	ASTM A307 Grade A	ASME B18.5	Full thread, stress relieved
Elevator Bolts	00132	SAE J429 Grade 1	ASME B18.5	Full thread, stress relieved, no headmarkings
Anchor Bolts	00180	ASTM A307 Grade A		
Threaded Rod	00170, 00171, 00179	ASTM A307 Grade A	None	
B7 Threaded Rod	04170, 04171, 04172	ASTM A193	None	
Structural Bolts: A325	00152, 00156, 00157	ASTM A325	ASME B18.2.6	
Structural Bolts: A490	00160, 00161	ASTM A490	ASME B18.2.6	
Tension Control Assemblies: A325	00154, 00159	ASTM F1852	ASME B18.2.6	
Tension Control Assemblies: A490	00162, 00163	ASTM F2280	ASME B18.2.6	
Hex Nuts: Grade A, Regular and Left Hand	00200, 00201, 00226, 00227	ASTM A563	ASME/ANSI B18.2.2	HDG nuts tapped oversize. PFC's hot-formed nuts are made from 1045 steel.
Square Nuts: Grade 2	00202	SAE J995	ASME/ANSI B18.2.2	PFC's hot formed nuts made from 1045 Steel
Hex Jam Nuts	00204, 00205, 00211	ASTM A563 Grade A	ASME/ANSI B18.2.2	
Hex Nuts: Grades 5 and 8	00206, 00207, 00208, 00209, 00240, 00241, 00242, 00243	SAE J995	ASME/ANSI B18.2.2	Hot-formed grade 5 nuts are made from 1045 steel.
Heavy Hex Nuts: Gr. A	00210	ASTM A563	ASME/ANSI B18.2.2	HDG nuts tapped oversize. PFC's hot-formed nuts are made from 1045 steel.
High Nuts	00235	SAE J995	SAE J482	Grade 8
Coupling Nuts	00236, 00237, 00238, 00239	ASTM A563 Grade A		Regular, Reducer and Economy
Heavy Hex Nuts: Grade 2H	00212, 00216, 00217	ASTM A194	ASME/ANSI B18.2.2	
Heavy Hex Nuts: Grade C	00214, 00218	ASTM A563	ASME B18.2.6	
Heavy Hex Nuts: Grade DH	00213, 00219	ASTM A563	ASME B18.2.6	
Slotted Hex Nuts	00230, 00231	SAE J995 Grade 2	ASME/ANSI B18.2.2	
Locknuts: Nylon Insert and All-Metal	00250, 00251, 00254, 00255, 00268, 00269	IFI 100/107	IFI 100/107	00250 & 00251 are Grade A. 00254 & 00255 are Grade C. 00268 & 00269 are Grade C and sometimes called Grade 8
Locknuts: Nylon Insert: Grade 8 Heavy	00265	IFI 100/107	NU	Grade C
Locknuts: 2 Way Reversible	00256, 00257	ASME/ANSI B18.2.2	IFI 100/107	Waxed, dimensions same as hex nut
Flange Nuts: Serrated	00258, 00259	ASTM A563 Grade A		Case Hardened



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Lockwashers	00350, 00355, 00356, 00360, 00363, 00366	ASME B18.21.1	ASME B18.21.1	PFC's Alloy Split L/W is made from alloy steel, but not the 4037 referenced in ASME B18.21.1.
Washers, USS and SAE, soft and hardened	00370, 00372, 00374, 00375	ASTM F844	ANSI B18.22.1	Hardened washers are made to ASTM F436 for material and mechanical requirements
Washers: Shear Plate Malleable	00393		ASTM D5933	
Washers: Square Malleable	00395		ANSI B18.23.1	
Washers: F436 Round and Square Beveled	00385, 00386, 00396	ASTM F436	ASTM F436	
Washers: DTI	00387	ASTM F959, TYPE 325		Direct Tension Indicator
Machine Screws	00400, 00401, 00410, 00411, 00412, 00419, 00430, 00431, 00440, 00460, 00462, 00464, 00469, 00486		ASME B18.6.3	Full thread
Thumb Screws	00140, 00142		IFI-156	00140- Type B, 00142- Type A
Wood Screws	00500, 00501, 00511, 00520, 00521		ANSI B18.6.1	Shorter length screws are fully threaded.
Tapping (Sheet Metal) Screws	00600, 00601, 00602, 00621, 00630, 00631, 00632, 00638, 00639, 00661, 00680, 00683, 00685	ASME B18.6.4 & SAE J933	ASME B18.6.4	
Self Drilling Screws	00720, 00721, 00723, 00722, 00724, 00726, 00727, 00728, 00729, 00730, 00731, 00740, 00742, 00744	SAE J78	ASME B18.6.4 in Part	
Socket Head Cap Screws	00900, 00901	ASTM A574	ASME B18.3	Alloy steel
Socket Set Screws	00912, 00913, 00922, 00923, 00928	ASTM F912	ASME B18.3	Alloy steel
Socket Flat and Socket Button Cap Screw	00930, 00931, 00940, 00941	ASTM F835	ASME B18.3	Alloy steel
Socket Head Shoulder Screws	00950	ASME B18.3	ASME B18.3	Alloy steel
Hex Keys	00960, 00961	ASME B18.3	ASME B18.3	
Metric Cap Screws: Class 8.8 and 10.9	20056, 20057, 20080	SAE J1199	ASME B18.2.3.1M	
Metric Hex Nuts: Class 8 and 10	20206, 20240	DIN 267	DIN 934	
Metric Flat washers	20370		DIN125A	Dimensions only to DIN125A
Metric Socket Cap Screws 12.9	20900	ASTM A574M	ASME B18.3.1M	
Metric Socket Cup Point Screws	20912	ASTM F912M	ASME B18.3.6M	