

## METRIC FASTENER PRODUCT LINES

SOCKET PRODUCTS ALLOY		STANDARD
854	Socket Head Cap Screws Coarse 8.8 Alloy Thermal Black Oxide	DIN 912 / ISO 4762
718	Socket Head Cap Screws 8.8 Alloy Zinc CR+3	DIN 912 / ISO 4762
532	Socket Head Cap Screws 12.9 Alloy Plain	DIN 912 / ISO 4762
876	Socket Head Cap Screws 12.9 Alloy Zinc Bake CR+3	DIN 912 / ISO 4762
066	Socket Head Cap Screws 12.9 Alloy Mechanical Zinc CR+3	DIN 912 / ISO 4762
531	Low Head Socket Cap Screws Alloy 10.9 Plain	DIN 7984
213	Low Head Socket Cap Screws 8.8 Plain	DIN 7984
533	Socket Set Screws Cup Point Alloy 45H Plain	DIN 916 / ISO 4029
877	Socket Set Screws Cup Point Alloy 45H Zinc Bake CR+3	DIN 916 / ISO 4029
067	Socket Set Screws Cup Point Alloy 45H Mechanical Zinc CR+3	DIN 916 / ISO 4029
821	Socket Set Screws Knurled Point Alloy 45H Plain	ISO 4029
831	Socket Set Screws Cone Point Alloy 45H Plain	DIN 914 / ISO 4027
832	Socket Set Screws Flat Point Alloy 45H Plain	DIN 913 / ISO 4026
833	Socket Set Screws Full Dog Point Alloy 45H Plain	DIN 915 / ISO 4028
103	Socket Set Screws Cup Point Thermal Black Oxide, Nylon Patch	DIN 916 / 45H
565	Button Socket Cap Screws Coarse 10.9 Thermal Black Oxide	ISO 7380
889	Button Socket Screws Alloy 10.9 Zinc Bake CR+3	ISO 7380
535	Button Socket Cap Screws Alloy 12.9 Plain	ISO 7380
879	Button Socket Cap Screws Alloy 12.9 Zinc Bake CR+3	ISO 7380
065	Button Socket Cap Screws Alloy 12.9 Mechanical Zinc CR+3	ISO 7380
765	Flange Button Socket Cap Screws 10.9 Thermal Black Oxide	ISO 7380-2
888	Flat Socket Cap Screws Alloy 10.9 Zinc Bake CR+3	DIN 7991 / ISO 10642
534	Flat Socket Cap Screws Alloy 12.9 Plain	DIN 7991 / ISO 10642
878	Flat Socket Cap Screws Alloy 12.9 Zinc Bake CR+3	DIN 7991 / ISO 10642
068	Flat Socket Cap Screws Alloy 12.9 Mechanical Zinc CR+3	DIN 7991 / ISO 10642
564	Flat Socket Cap Screws Alloy 10.9 Thermal Black Oxide	DIN 7991 / ISO 10642
949	Flat Socket Cap Screws 10.9 Plain	DIN 7991 / ISO 10642
537	Socket Shoulder Screws Alloy 12.9 Plain	ISO 7379

SOCKET PRODUCTS STAINLESS		STANDARD
538	Socket Head Cap Screws A2-70 Stainless	DIN 912 / ISO 4762
549	Socket Head Cap Screws A4-70 Stainless	DIN 912 / ISO 4762
544	Low Head Socket Cap Screws A2-70 Stainless	DIN 7984
539	Socket Set Screws Cup Point A2 Class 21H Stainless	DIN 916 / ISO 4029
824	Button Socket Cap Screws A2-70 Stainless	ISO 7380
861	Button Socket Cap Screws A4-70 Stainless	ISO 7380
823	Flat Socket Cap Screws A2-70 Stainless	DIN 7991 / ISO 10642

SOCKET PRODUCTS STAINLESS		STANDARD
862	Flat Socket Cap Screws A4-70 Stainless	DIN 7991 / ISO 10642
541	Cup Point Set Screw A4 Class 21H Stainless	DIN 916 / ISO 4029
539	Cup Point Set Screw A2 Class 21H Stainless	DIN 916 / ISO 4029
R89	Flat Point Set Screw A2 Class 21H Stainless	DIN 916 / ISO 4026

THREADED ROD		STANDARD
V34	All Thread Rod 4.6 Plain	DIN 975
737	All Thread Rod 4.6 Zinc CR+3	DIN 975
V37	All Thread Rod B7 Plain	DIN 975
871	All Thread Rod A2 Stainless	DIN 975
869	All Thread Rod A4 Stainless	DIN 975

PINS		STANDARD
536	Dowel Pins Alloy Plain	DIN 6325
548	Dowel Pins Alloy Pull Out Plain	DIN 7979
550	Dowel Pin A2 Stainless	DIN 7
551	Dowel Pins A4 Stainless	DIN 7

KEYS		STANDARD
513	Short Arm 6150 CRV Alloy Plain Import	ISO 2936
530	Short Arm 8650 NiCrMo Alloy Plain USA	ASME B18.3.2M
528	Long Arm 8650 NiCrMo Alloy Plain USA	ASME B18.3.2M
529	Hex Key Sets 8650 NiCrMo Alloy Plain USA	ASME B18.3.2M / ISO 2936

HEX CAP SCREWS 8.8		STANDARD
644	Partial Thread Coarse Plain	DIN 931 / ISO 4014
815	Partial Thread Coarse Zinc CR+3	DIN 931 / ISO 4014
815	Partial Thread Fine Zinc CR+3	DIN 960
467	Full Thread Coarse Zinc Yellow CR+6	DIN 933 / ISO 4017
644	Partial Thread Fine Plain	DIN 960
643	Full Thread Fine Plain	DIN 961
815	Full Thread Coarse Zinc CR+3	DIN 933 / ISO 4017
815	Full Thread Fine Zinc CR+3	DIN 961
643	Full Thread Fine Plain	DIN 961
883	Full Thread Fine Zinc CR+3	DIN 961

HEX CAP SCREWS 10.9		STANDARD
461	Partial Thread Coarse Plain	DIN 931 / ISO 4014
460	Partial Thread Coarse Zinc Bake CR+3	DIN 931 / ISO 4014
460	Partial Thread Fine Zinc Bake CR+3	DIN 960
461	Partial Thread Fine Plain	DIN 960
462	Full Thread Coarse Plain	DIN 933
460	Full Thread Coarse Zinc Bake CR+3	DIN 933 / ISO 4017

HEX CAP SCREWS 10.9		STANDARD
460	Full Thread Fine Zinc Bake CR+3	DIN 961
462	Full Thread Fine Plain	DIN 961
164	Partial Thread Coarse Plain	DIN 931 / ISO 4014
165	Partial Thread Coarse Zinc Yellow Bake CR+6	DIN 931 / ISO 4014
165	Full Thread Coarse Zinc Yellow Bake CR+6	DIN 933 / ISO 4017
165	Partial Thread Fine Zinc Yellow Bake CR+6	DIN 960
165	Full Thread Fine Zinc Yellow Bake CR+6	DIN 961
164	Partial Thread Coarse Plain	ASME B18.2.3.1M
164	Full Thread Coarse Plain	ASME B18.2.3.1M

HEX CAP SCREWS STAINLESS		STANDARD
830	A2-70 Stainless Partial Thread Coarse	DIN 931 / ISO 4014
830	A2-70 Stainless Full Thread Coarse	DIN 933 / ISO 4017
797	A4-70 Stainless Partial Thread Coarse	DIN 931 / ISO 4014
798	A4-70 Stainless Full Thread Coarse	DIN 933 / ISO 4017

HEX FLANGE BOLTS		STANDARD
P72	Hex Serrated Flange Bolt 8.8 Zinc CR+3	DIN 6921
P83	Hex Serrated Flange Bolt 8.8 Zinc Yellow CR+6	DIN 6921
P81	Hex Non-Serrated Flange Bolt 8.8 Plain	DIN 6921
P71	Hex Non-Serrated Flange Bolt 8.8 Zinc CR+3	DIN 6921
P82	Hex Non-Serrated Flange Bolt 8.8 Zinc Yellow CR+6	DIN 6921
P84	Hex Non-Serrated Flange Bolt 10.9 DIN 6921 Plain	DIN 6921
033	Hex Non-Serrated Flange Bolt 10.9 Zinc CR+3	DIN 6921
633	Hex Non-Serrated Flange Bolt 10.9 Zinc Yellow CR+6	DIN 6921

CARRIAGE BOLTS		STANDARD
622	Carriage Bolts 4.6 Zinc CR+3	DIN 603
P73	Carriage Bolt 8.8 Zinc CR+3	DIN 603
707	Carriage Bolt A4 Stainless	DIN 603
708	Lag Screw A4 Stainless	DIN 571

MACHINE SCREWS		STANDARD
662	Phillips Pan 4.8 Zinc CR+3	DIN 7985A
663	Phillips Flat 4.8 Zinc CR+3	DIN 965A
085	Slotted Pan 4.8 Zinc CR+3	DIN 85
656	Slotted Flat 4.8 Zinc CR+3	DIN 963
661	Sems Phillips Pan External Tooth Washer 4.8 Zinc CR+3	ASME B18.13.1M
661	Sems Phillips Pan Internal Tooth Washer 4.8 Zinc CR+3	ASME B18.13.1M
661	Sems Phillips Pan Square Cone Washer 4.8 Zinc CR+3	ASME B18.13.1M
V32	6-Lobe Pan Head Machine Screws 4.8 Zinc CR+3	ISO 14583
R84	6-Lobe Pan Head Thread Forming Screws	DIN 7500C
V38	6-Lobe Pan Head Machine Screws A2-70 Stainless	ISO 14583

**METRIC FASTENER PRODUCT LINES**

MACHINE SCREWS		STANDARD
676	Phillips Pan Head Machine Screws A2 Stainless	DIN 7985
681	Pan Head Phillips Machine Screws A4 Stainless	DIN 7985
674	Phillips Flat Head Machine Screws A2 Stainless	DIN 965
V95	Slotted Pan Head Machine Screws A2 Stainless	DIN 85
516	Slotted Flat Head Machine Screws A2 Stainless	DIN 963
093	Slotted Cheese Head Machine Screws A2 Stainless	DIN 84
W99	Phillips Pan Head SEMS Machine Screws A2 Stainless	DIN 7985

NUTS		STANDARD
572	Hex Nuts Class 6 Zinc CR+3	DIN 934
557	Hex Nuts Class 8 Plain	DIN 934
556	Hex Nuts Class 8 Zinc CR+3	DIN 934
522	Hex Nuts Class 8 Zinc Yellow CR+6	DIN 934
300	Hex Nuts Class 10 Plain	DIN 934
315	Hex Nuts Class 10 Zinc CR+3	DIN 934
270	Hex Nuts Class 10 Zinc Yellow CR+6	DIN 934
834	Hex Nuts A2-70 Stainless	DIN 934
560	Hex Nuts A4-70 Stainless	DIN 934
559	Hex Nuts A4-80 Stainless	DIN 934
P94	Hex Jam Nut Plain Class 04	DIN 439B
526	Hex Jam Nuts Class 04 Zinc CR+3	DIN 439B
VB6	Brass Hex Jam Nuts	DIN 439
V71	Hex Thin (Jam) Nuts A2-035 Stainless	DIN 439B
562	Hex Thin (Jam) Nuts A4-035 Stainless	DIN 439B
621	Hex Coupling Nuts Class 6 Zinc CR+3	DIN 6334
043	Hex Coupling Nuts A2 Stainless	DIN 6334
568	Hex Coupling Nut A4 Stainless	DIN 6334
417	Hex Domed Acorn Nuts Class 6 Zinc CR+3	DIN 1587
570	Hex Dome Acorn Nut A2 Stainless	DIN 1587
566	Hex Dome Acorn Nut A4 Stainless	DIN 1587
P86	Hex Non-Serrated Flange Nut Class 8 Plain	DIN 6923
546	Hex Flange Nuts Class 8 Zinc CR+3	DIN 6923
P87	Hex Non-Serrated Flange Nut Class 8 Zinc Yellow CR+6	DIN 6923
P88	Hex Non-Serrated Flange Nut Class 10 Plain	DIN 6923
P91	Hex Non-Serrated Flange Nut Class 10 Zinc CR+3	DIN 6923
P89	Hex Non-Serrated Flange Nut Class 10 Zinc Yellow CR+6	DIN 6923
R09	Hex Non-Serrated Flange Nut A2 Stainless	DIN 6923
P93	Cold Formed Wing Nut Zinc CR+3	DIN 315
V79	Cold Formed Wing Nut A2 Stainless	DIN 315
567	Cold Formed Wing Nut A4 Stainless	DIN 315
R20	2H Heavy Hex Nut Plain	ASME B18.2.4.6M

LOCKNUTS		STANDARD
304	Nylon Insert Locknuts Class 6 Zinc CR+3	DIN 985
304	Nylon Insert Locknuts Heavy Style Class 6 Zinc CR+3	DIN 982
812	Nylon Insert Locknuts Class 8 Zinc CR+3	DIN 985
812	Nylon Insert Locknuts Heavy Style Class 8 Zinc CR+3	DIN 982
222	Nylon Insert Locknuts Class 8 Zinc Yellow CR+6	DIN 985
222	Nylon Insert Locknuts Heavy Style Class 8 Zinc Yellow CR+6	DIN 982
561	Nylon Insert Locknuts A2-70 Stainless	DIN 985
524	Nylon Insert Locknuts A4-80 Stainless	DIN 985
312	Nylon Insert Locknuts Class 10 Zinc CR+3	DIN 985
738	All Metal Locknuts Class 8 Zinc CR+3 & Wax	DIN 980V
V53	Hex Cone Locknut Class 8 Zinc Yellow & Wax	DIN 980V
826	All Metal Locknuts Class 10 Zinc CR+3 & Wax	DIN 980V
V54	Hex Cone Locknut Class 10 Zinc Yellow & Wax	DIN 980V
047	Class 8 Hex Serrated Flange Locknuts Plain	DIN 6923
547	Serrated Flange Locknuts Class 8 Zinc CR+3	DIN 6923
P85	Hex Serrated Flange Nut Class 8 Zinc Yellow CR+6	DIN 6923
V87	Hex Serrated Flange Locknuts A2 Stainless	DIN 6923
V88	Hex Serrated Flange Locknuts A4 Stainless	DIN 6923
523	Prevailing Torque Hex Flange Locknuts Class 8 Zinc CR+3	DIN 6927
V46	Nylon Flange Locknuts Non-Serrated Class 8 Zinc CR+3	DIN 6926
V47	Nylon Flange Locknuts Non-Serrated Class 8 Zinc Yellow CR+6	DIN 6926
V48	Nylon Flange Locknuts Non-Serrated Class 10 Zinc Yellow CR+6	DIN 6926
V49	Nylon Flange Locknuts Non-Serrated A2 Stainless	DIN 6926
P90	Hex Flange Top Locknuts Non-Serrated Class 10 Plain	DIN 6927
P92	Hex Flange Top Locknuts Non-Serrated Class 10 Zinc CR+3	DIN 6927
416	Hex Weld Nuts Plain	DIN 929
525	External Tooth K-Lock Nuts Class 8 Zinc CR+3	
V50	External Tooth K-Lock Nut A2-70 Stainless	

FLAT WASHERS		STANDARD
739	Small 140 HV Zinc CR+3	DIN 433
368	140 HV Plain	DIN 125A / ISO 7089
370	140 HV Zinc CR+3	DIN 125A / ISO 7089
250	140 HV Zinc Yellow CR+6	DIN 125A / ISO 7089
248	200 HV Plain	DIN 125A / ISO 7089
249	200 HV Zinc CR+3	DIN 125A / ISO 7089
246	200 HV Zinc Yellow CR+6	DIN 125A / ISO 7089
V44	300 HV Plain	DIN 125A

FLAT WASHERS		STANDARD
V45	300 HV Zinc CR+3	DIN 125A
369	A2 Stainless	DIN 125A / ISO 7089
V12	A4 Stainless	DIN 125A
371	Narrow Through Hardened Zinc-Blue CR+3 (USA)	ANSI B18.22M
374	F436M Hardened Flat Washer Plain	ASTM F436M
740	Fender Washers Garde A Zinc CR+3	DIN 9021B
719	Fender Washers Grade C Zinc CR+3	DIN 9021B
V77	Fender Washer A2 Stainless	DIN 9021
V78	Fender Washer A4 Stainless	DIN 9021B
247	Thick Flat Washers Zinc CR+3	DIN 7349
R07	Thick Flat Washer A2 Stainless	DIN 7349
V43	Small Flat Washer A2 Stainless	DIN 433

LOCK WASHERS		STANDARD
744	Split Through Hardened Plain	DIN 127B
361	Split Thru Hardened Zinc Blue CR+3	DIN 127B
745	Split Zinc Yellow CR+6	DIN 127B
742	Internal Tooth Type J Zinc CR+3	DIN 6797J
741	External Tooth Type A Zinc CR+3	DIN 6797A
749	External Tooth Serrated Type A Zinc CR+3	DIN 6798
V13	External Tooth A2 Stainless Din 6798	DIN 6798
V73	External and Internal Tooth A2 Stainless DIN 6797	DIN 6797 Type A & J
743	Hi Collar Plain	DIN 7980
R85	Hi-Collar A2 Stainless	DIN 7980
R64	Hi-Collar Zinc CR+3	DIN 7980
836	Split A2 Stainless	DIN 127B
365	Split A4 Stainless	DIN 127B

ASSORTED WASHERS		STANDARD
R93	Wave Spring Washer Plain	DIN 137B
R91	Curved Spring Washer Plain	DIN 137A

ANCHORS		STANDARD
156	Mungo Nylon Plug Nylon PA6	

SPRING PINS		STANDARD
802	Spring Tension Pins Plain	ISO 8752

RIVET NUTS		STANDARD
W78	Steel Large Flange Knurled Body Zinc Yellow CR+3	
W80	Steel Small Flange Knurled Body Zinc Yellow CR+3	
W77	Steel Small Flange Smooth Body Zinc CR+3	