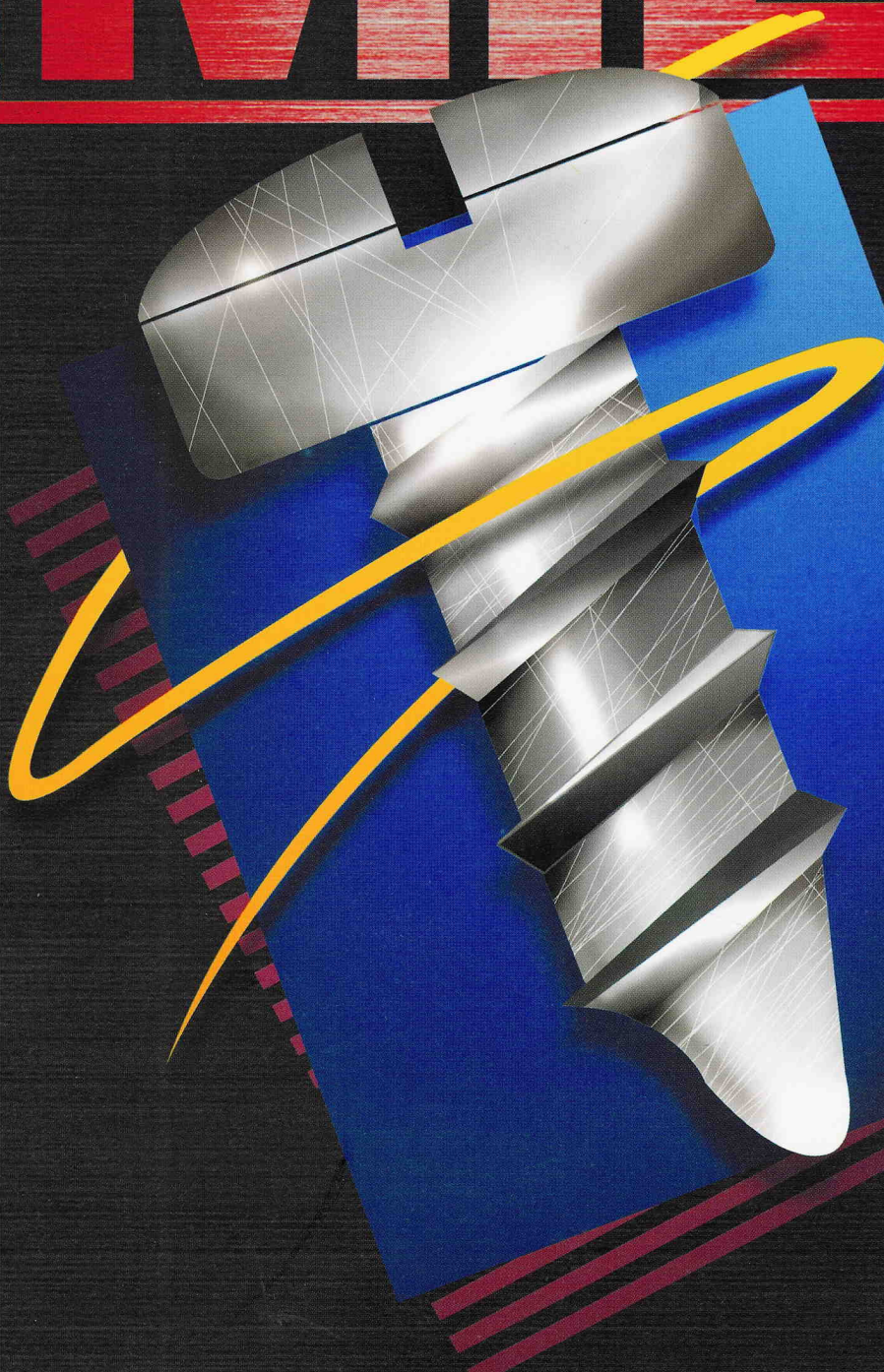


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INDEX

SPECIAL BOLTS

Page

© Various Custom-made Special Round Head Bolts, TRIMMING, BENDING.	P11
© Custom-made special Leveling Bolts with thread protector.	P11
© Various special J BOLTS & SPECIAL THREAD TYPE series.	P11
© 6 Lobe TAMPER PROOF BUTTON HEAD BOLTS. MALE-FEMALE BOLTS.	P12
© Various Hex Bolts with special point (Dog Point) & with special HOLE Drilling.	P12
© Lathe Cutting part & Pin, POWDER METALLURGY & MACHINE PARTS.	P13
© Various custom-made bolts or screws with special hole drilling per customer requirement.	P13
© Short Neck CARRIAGE BOLT.	P13
© Special Round head bolts per special requirement and dimension.	P13
© Custom-made Special HEAD TRIMMING & CUTTING BOLTS.	P14
© Various Ribbed Neck ROUND HEAD CARRIAGE BOLTS.	P14

SHOULDER BOLTS

© Various custom-made shoulder bolts.	P15
--	-----

OTHER MATERIAL SCREWS & BOLTS

© Various ALUMINUM Material Screws & Nuts.	P16
© Various BRASS Material Screws.	P16

SET SCREWS

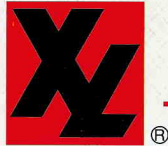
© Custom-made special Square Head Set Screw per customer requirement. Flat/ Oval/ Cup/ Dog point	P16
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SOCKET CAP SCREWS

© Alloy steel socket Button head/ flat head CAP Screws.	P17
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INDEX

PINS

Page

- © Various HINGE PINS. P17
- © Custom-made Special requirement Pin series..... P18

EYE BOLTS

- © Various Eye Bolts, Closed/Open End available. P18

COLLAR STUDS SCREWS

- © Various Collar Studs..... P19

SHEET METAL SCREWS

- © Various Flat Head & Bugle Head TWINFAST TWIN LEAD SMS,
2/3 THREAD LENGTH. P19
- © Special Large flat washer SMS and thread cutting screws. P20
- © Various Deep Thread Screws P20
- © DECK SCREWS, CHIPBOARD SCREWS &
DRYWALL SCREWS. P20
- © Custom-made special HI-LO thread Screws with Spoon point or
any point. P20
- © Various THREAD CUTTING SCREWS(1) P21
- © Various THREAD CUTTING SCREWS(2) P22
- © Custom-made special THREAD CUTTING SCREWS. P22
- © Various TYPE TT or TYPE PT THREAD Rolling Screws or
TRI-THREAD Screws. P23
- © Furniture screws or Wood Material Connecting Screws. P23
- © MASONRY SCREWS. P24
- © ONE WAY SLOT ROUND HEAD SMS. P24
- © Various SMS series. Various recess and head types. P25
- © Various DEEP THREAD or SPACED THREAD screws. P26
- © Various Self Piercing Screws. P26
- © SELF PIERCING SCREWS, TWINFAST
(SINGLE LEAD & DOUBLE LEAD). P26

MACHINE SCREWS

- © THUMB SCREWS. P26
- © Various special custom-made MACHINE SCREWS. P27
- © Various THREADED RODS. P27
- © Various head type Screws. P28

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INDEX

SEMS

Page

- © Various SEMS SCREW Series, Flat, Tooth & Special washer available..... P29
- © Various Special SEMS Screws with sleeve..... P29

SELF DRILLING SCREWS

- © Various ROOFING SCREWS..... P30
- © NON-STANDARD Self Drilling Screw, special design per customer requirement..... P30
- © Special shank SDS, custom-made..... P30

RIVETS

- © Various Shoulder RIVETS & STANDARD RIVETS..... P31

NAILS

- © Various Special Nails..... P31

WOOD SCREWS

- © Various Indented Hex Washer Head LAG SCREWS..... P31
- © Hanger bolts & custom-made Special double end screws or bolts.
(One end Wood Screw thread, the other end Machine Screw thread.)..... P32
- © Combo (MACHINE SCREW THREAD/ WOOD SCREW THREAD) Screws..... P32

NUTS

- © Various Swivel Nuts, with serrations, Inner thread per customer requirement. KNURLED INSERT NUTS:..... P32
- © Conical Washer Nuts & K-Lock Nuts..... P33
- © 3 or 4 prong TEE Nuts..... P33
- © Wing Screws & Wing Nuts(Stamping and Cold Form)..... P33
- © Various Die Casting Wing Nuts..... P33
- © Various Terminal Nuts per customer requirement..... P33
- © Various PANEL BOLTS and PANEL NUTS..... P34
- © Various special custom-made NUTS, special serrations..... P34
- © Various Slot Insert Nuts..... P34



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INDEX

WASHER

Page

©USS/ SAE/ FENDER/ INTERNAL,EXTERNAL TOOTH LOCK, MED SPLIT LOCK WASHER PER CUSTOMER REQUIREMENT	P35
---	-----

HOT FORGED ITEMS

©ANCHOR/ CHAIN SHACKLE, THIMBLES, ROPE/ GRIP CLIPS	P36
©TURNBUCKLES	P36
©HOOKS, HOOK LATCH	P36
©LINKS, CLEVIS LINKS	P36
©CHAIN SWIVEL	P37
©NUT EYE BOLT	P37
©SNAP HOOK, J HOOK, REPAIR LINK, CLEAT, ROUND RING	P37
©ANCHOR, LOAD BINDERS	P37
©PIPE FITTING, BALL VALVES, PIPE NIPPLES, MERCHANT COUPLINGS	P38
©SPLIT RING HANGERS, EYE SOCKET, BEAM/WHEEL CLAMP, LIFT PLATES, HURRICANE STRAPS	P38
©WASHERS	P39
©ROLLER SOCKETS, PIPE ROLLERS, EYENUTS	P39
©SPACERS, HANGER RODS, CLEVIS/HITCH/PIVOT PINS	P39
©CLAMPING NUTS	P39

PACKAGE

©Various Small box & poly bag packages.	P40
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INSPECTION

©Not only the dimensional inspection, our inspectors are thoroughly inspecting the mechanical & chemical testing on all your products.	P41
©All Detailed INSPECTION REPORTS have been recorded and kept carefully during and after production.	P42
©All cartons and wooden pallets have been carefully inspected at terminal before container loading.	P43
©Even as container is loaded, we are still working on inspection of all procedures; Packing material, bracing and loading, quality, etc. We do care for your material.	P43
©INSPECTION PHOTO	P44.P45



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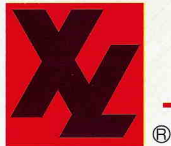
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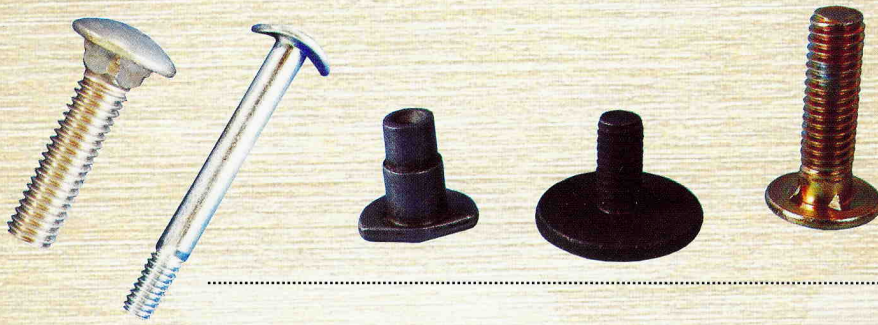
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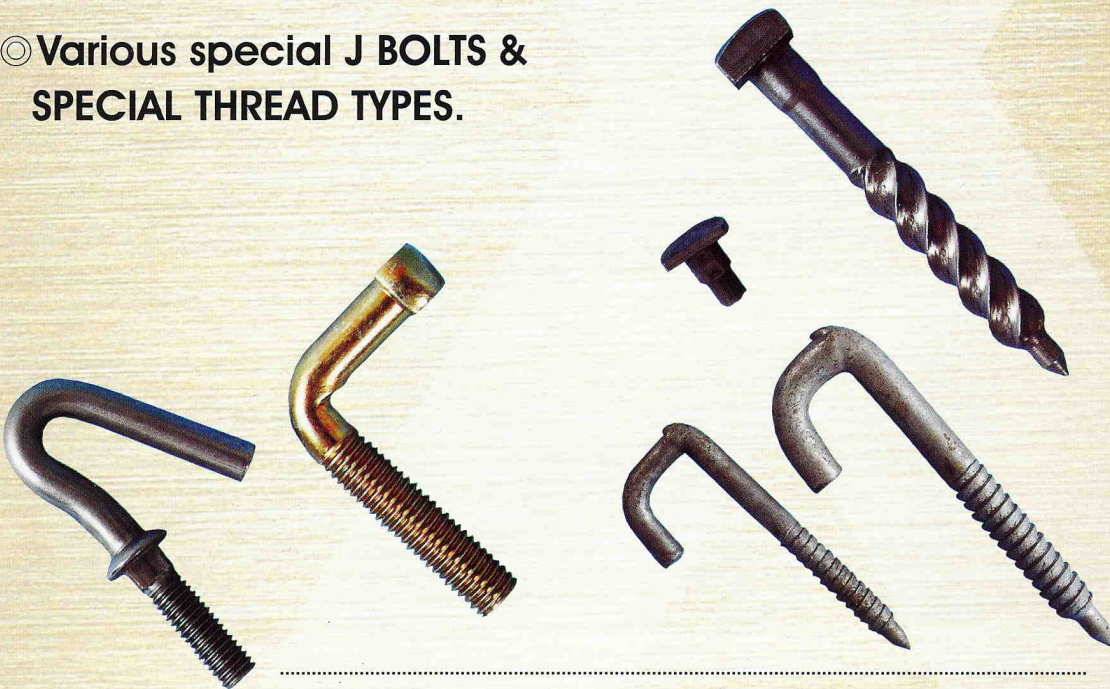
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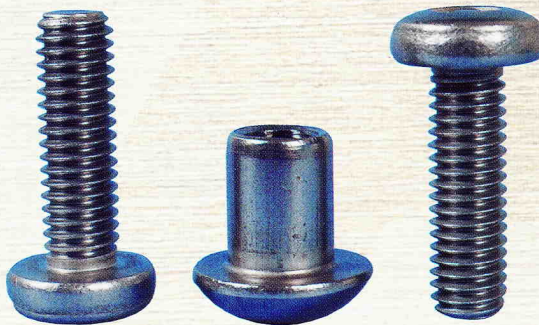
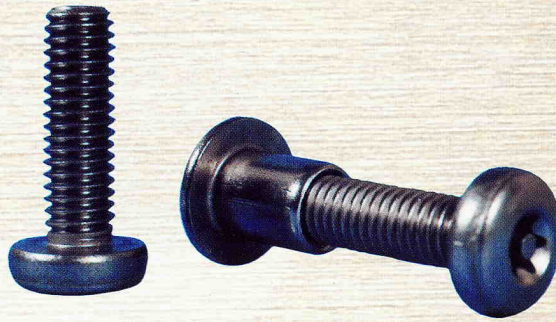


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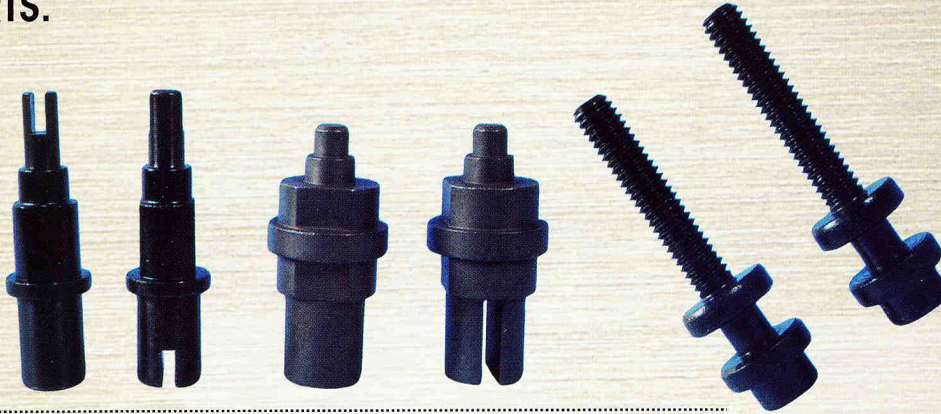


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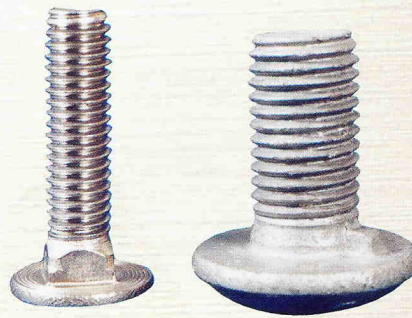
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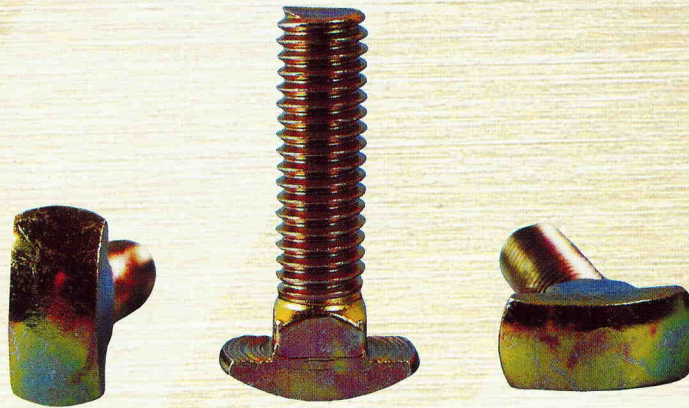


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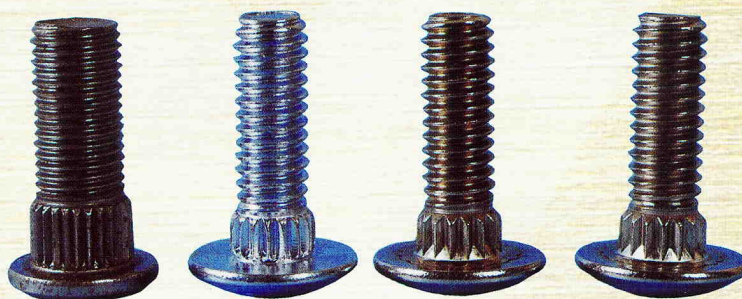




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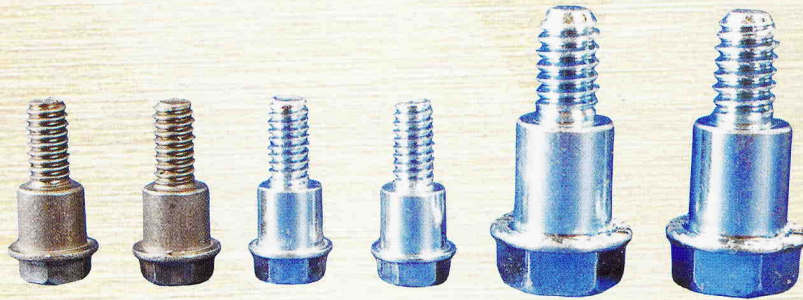
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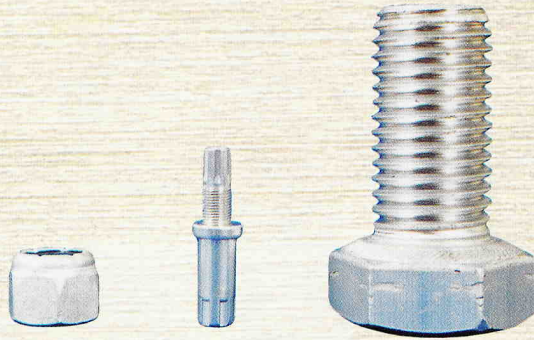
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SHOULDER BOLTS

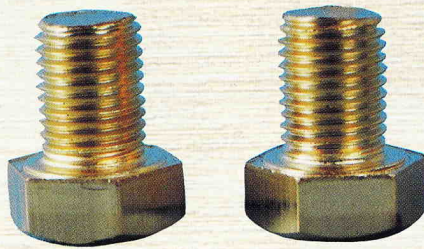




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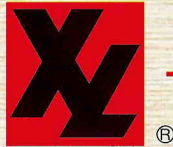


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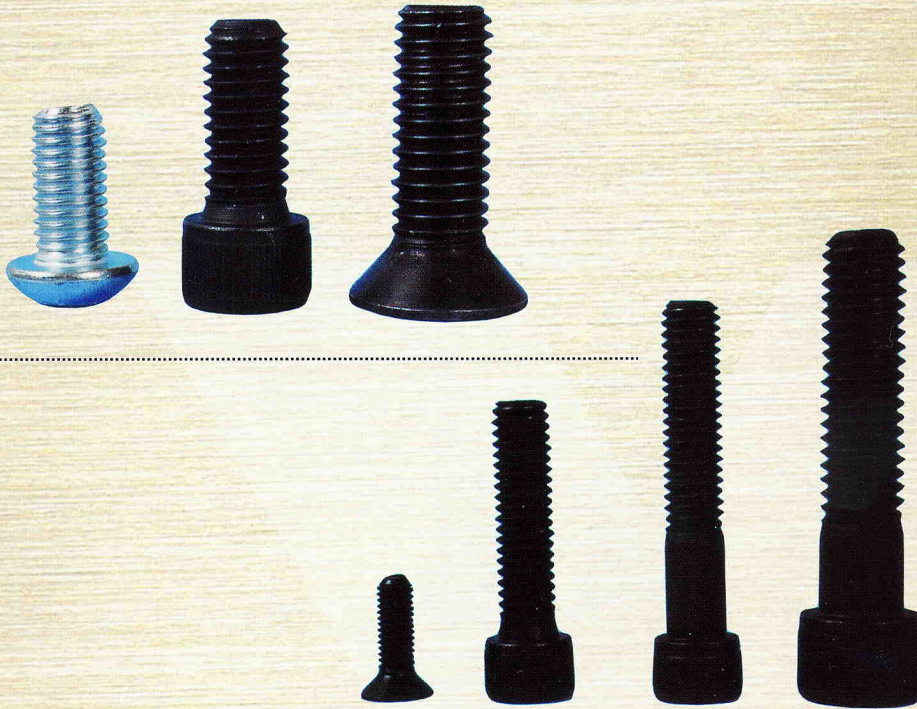


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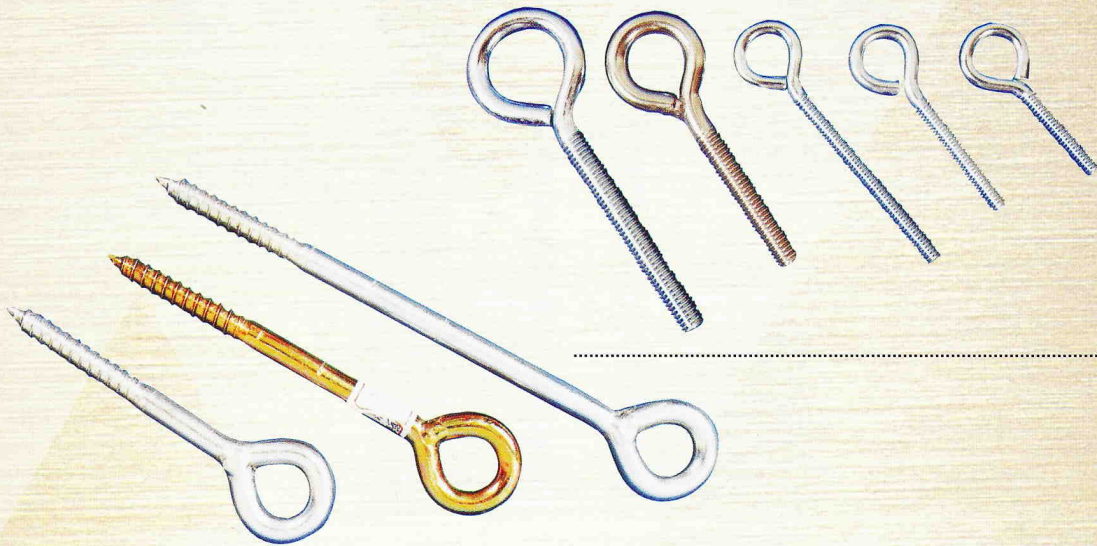


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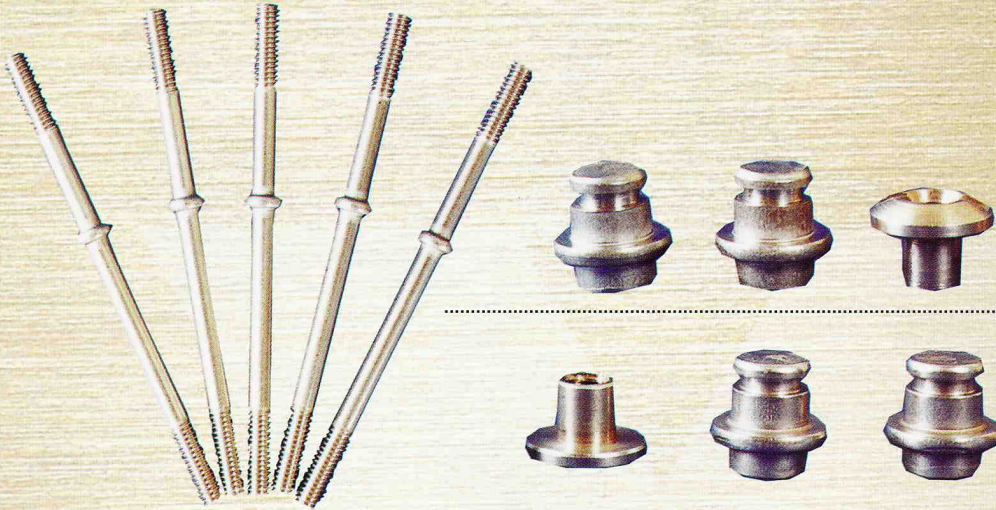
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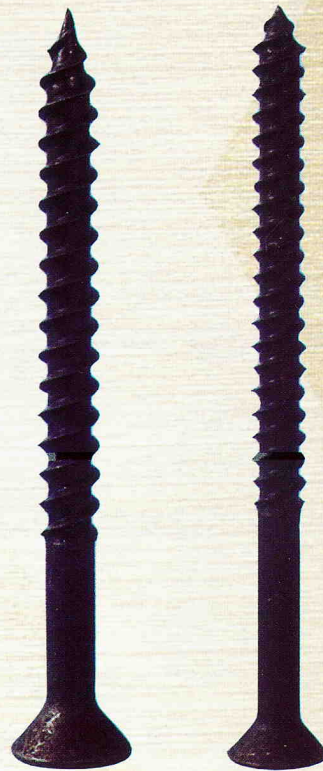


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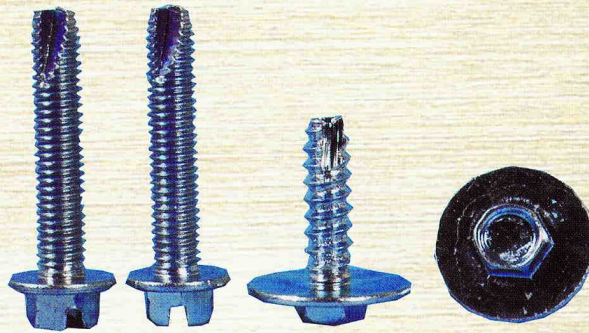
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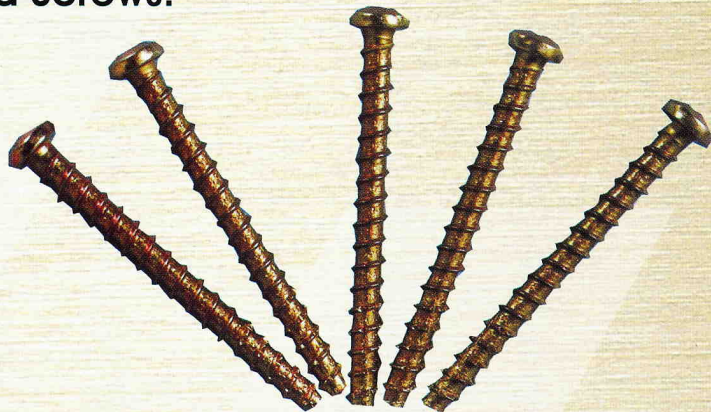
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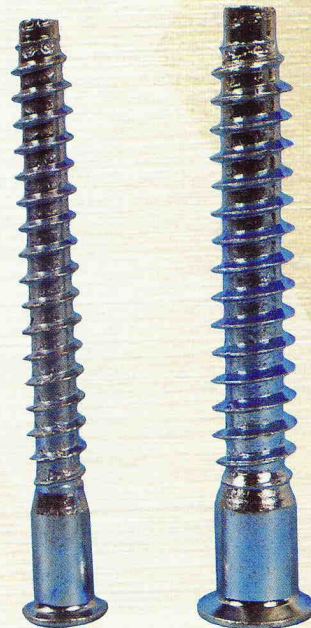


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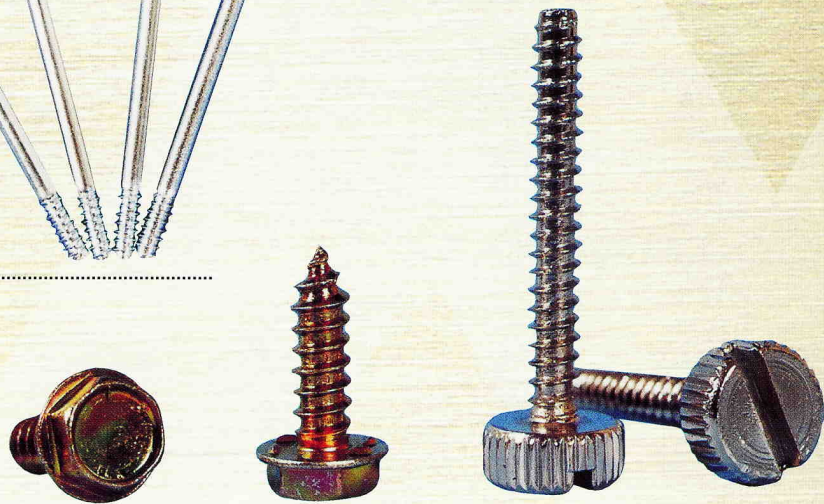
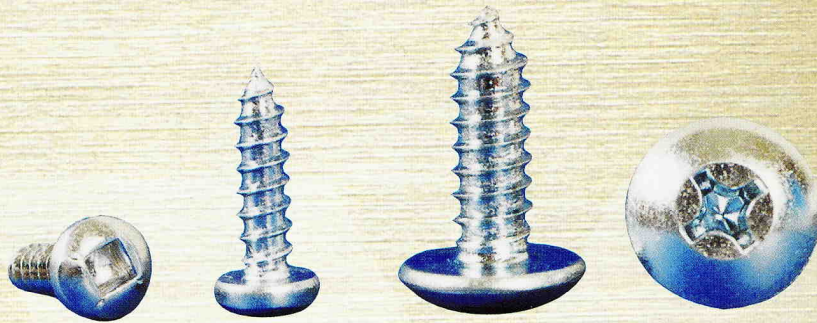
© One-Way SLOTTED ROUND HEAD SMS.



SHEET METAL SCREWS



© Various SHEET METAL SCREWS. Various recess and head types.



SHEET METAL SCREWS



XL Screw Corporation



SHEET METAL SCREWS

© Various DEEP THREAD or SPACE THREAD SCREWS.



© Various Self Piercing Screws.

© Self Piercing Screws, TWINFAST (SINGLE LEAD & DOUBLE LEAD).



MACHINE SCREWS

© THUMB SCREWS.

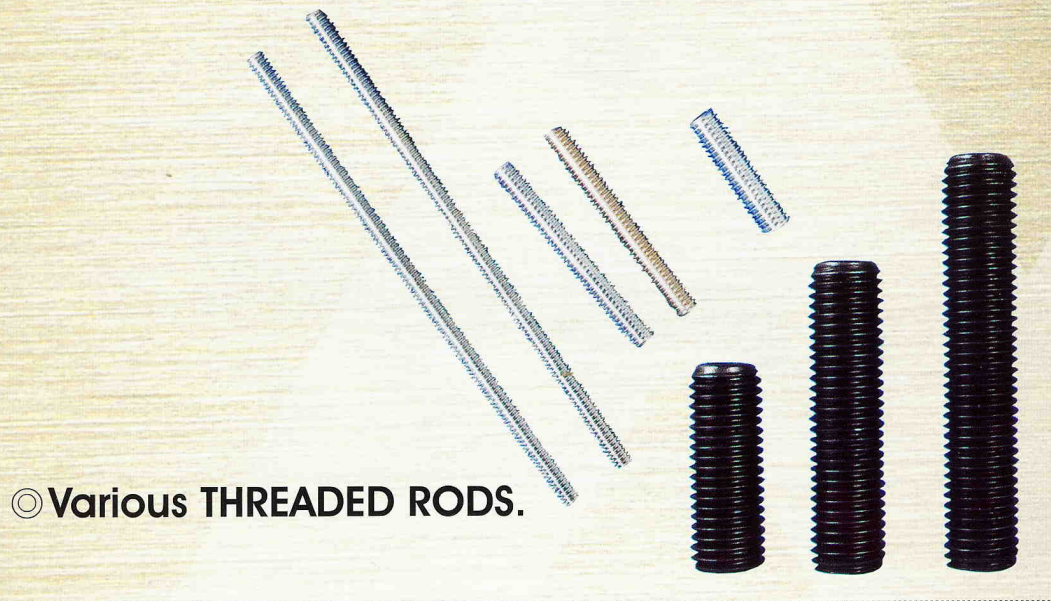




© Various special custom-made MACHINE SCREWS.



MACHINE SCREWS

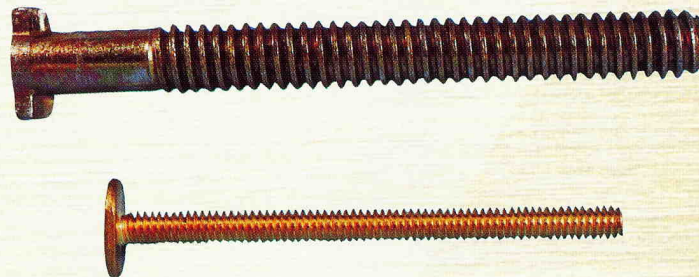


© Various THREADED RODS.

XL Screw Corporation



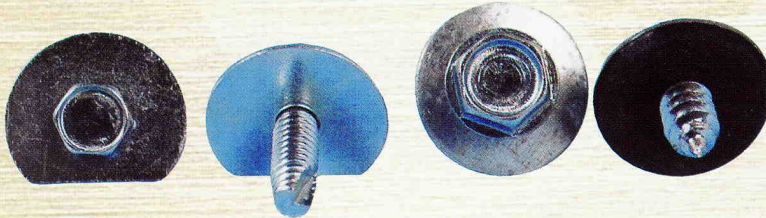
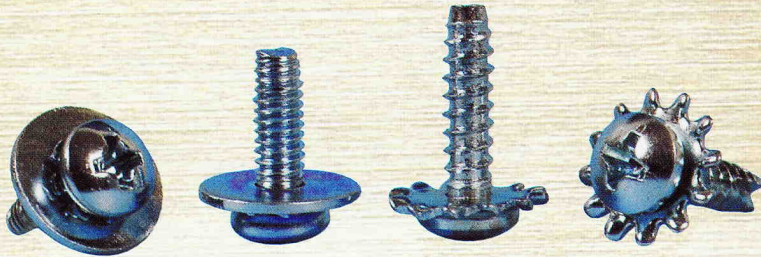
© Various head type Screws.



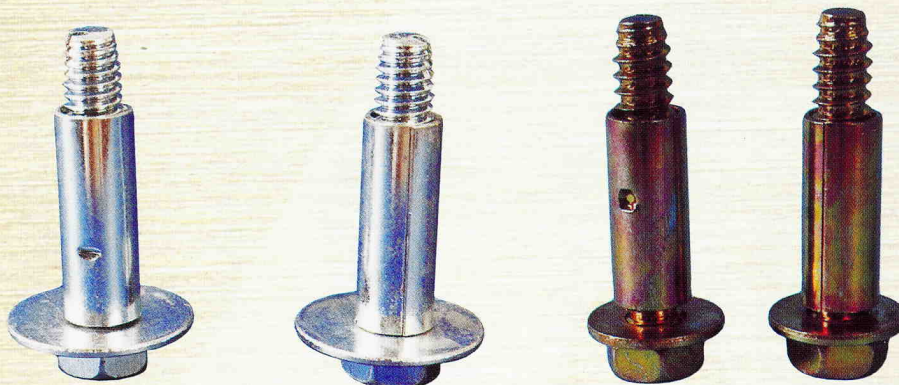
MACHINE SCREWS



© Various SEMS SCREWS Series, Flat, Internal and External Tooth & Special Washers available.



© Various Special SEMS Screws with sleeve.

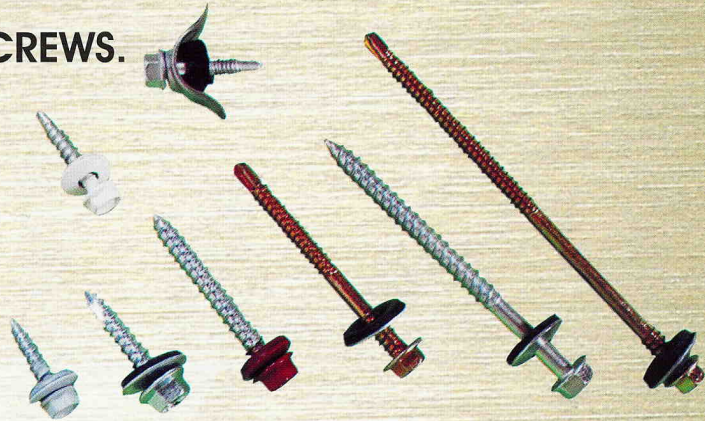


SEMS

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© Various ROOFING SCREWS.



© NON-STANDARD Self Drilling Screws, special design per customer requirement.



© Special shank SDS, custom-made.

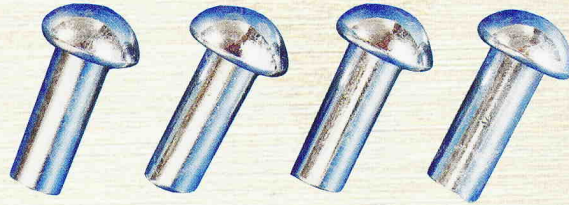


SELF DRILLING SCREWS

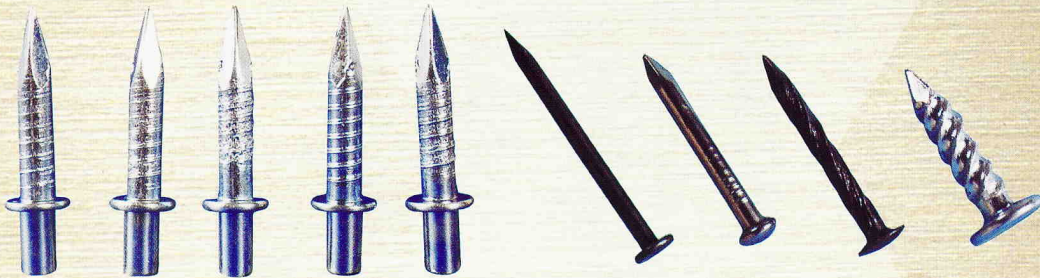




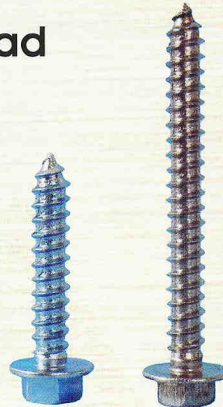
© Various Shoulder RIVETS.



© Various Special Nails.



© Various Indented Hex Washer Head LAG SCREWS.



RIVETS

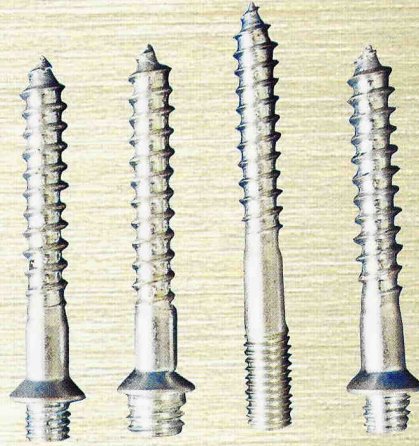
NAILS

WOOD SCREWS





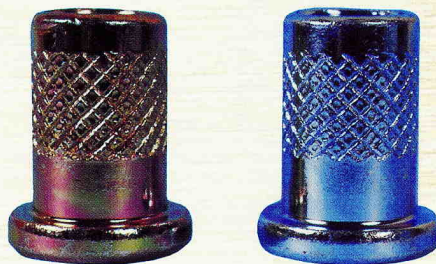
- ◎ Hanger bolts & custom-made Special double end screws or bolts.
(One end Wood Screw thread, the other end Machine Screw thread.)

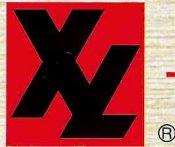


- ◎ Combo(MACHINE SCREW THREAD/ WOOD SCREW THREAD) Screws.



- ◎ Various Swivel Nuts, with serrations, Inner threads per customer requirement.





© Conical Washer Nuts & K-Lock Nuts.



© 3 and 4 prong TEE Nuts.



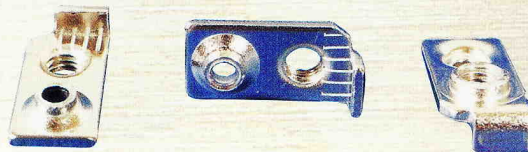
© Wing Screws & Wing Nuts (Stamping and Cold Form).

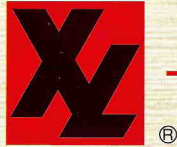


© Various Die Cast Wing Nuts.

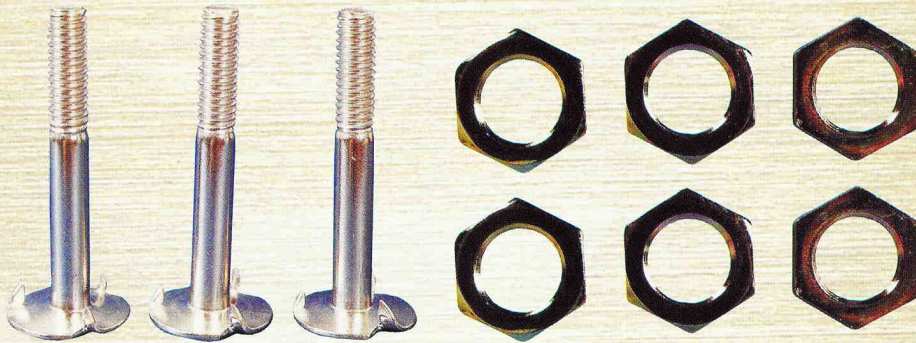


© Various Terminal Nuts per customer requirement.

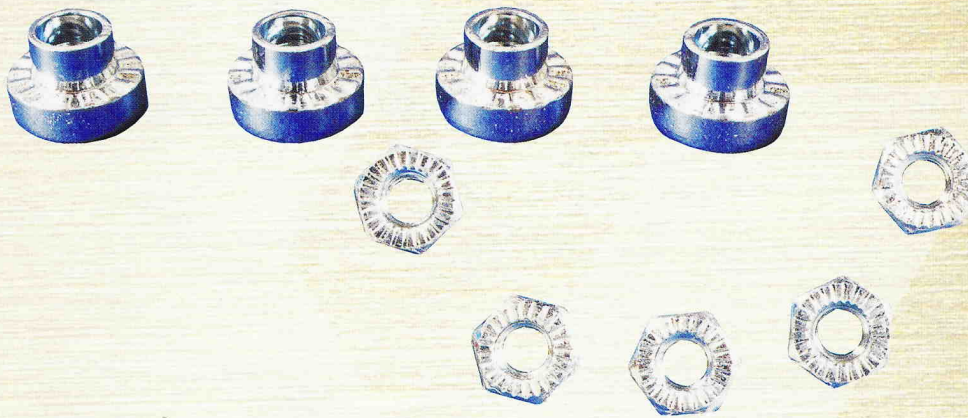




© Various PANEL BOLTS and PANEL NUTS.



© Various special custom-made NUTS, special serrations.



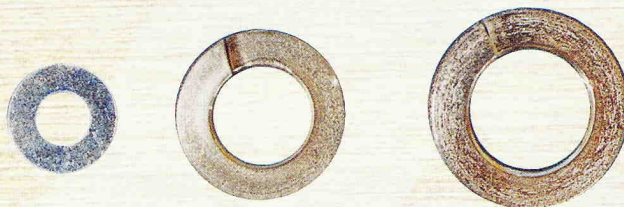
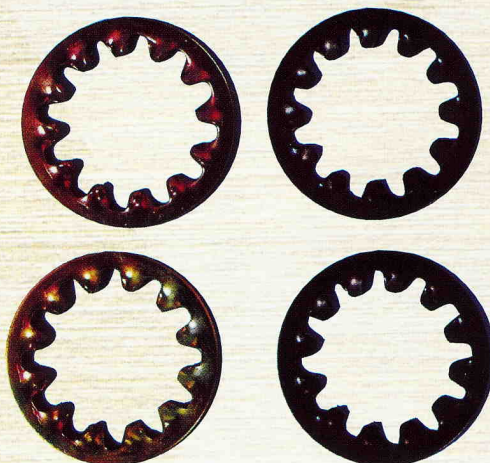
© Various Slotted INSERT Nuts.



NUTS & SPECIAL NUTS



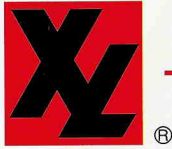
© USS/ SAE/ FENDER, INT/EXT TOOTH, MEDIUM SPLIT LOCK WASHERS per customer requirement.



WASHER SERIES



XL Screw Corporation



© ANCHOR/ CHAIN SHACKLE, THIMBLES, ROPE/ GRIP CLIPS



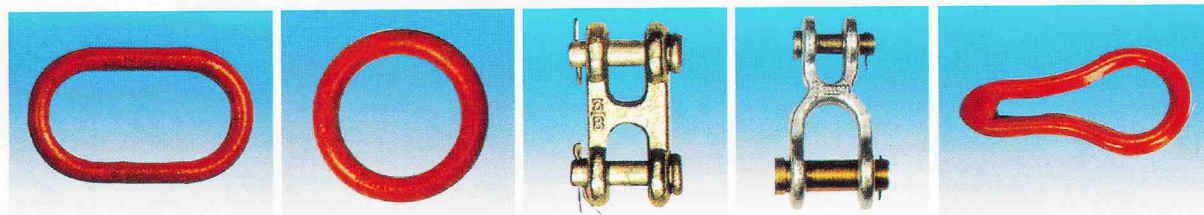
© TURNBUCKLES



© HOOKS, HOOK LATCH



© LINKS, CLEVIS LINKS



HOT FORGED ITEMS



© **CHAIN SWIVEL.**



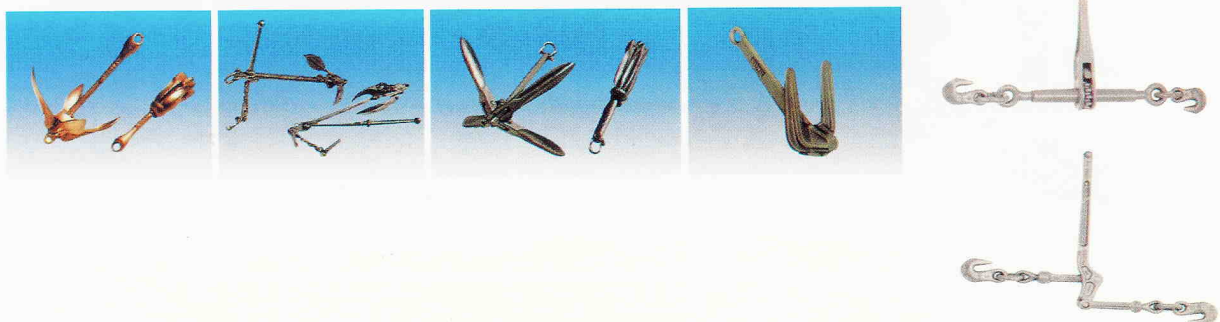
© **NUT EYE BOLT**



© **SNAP HOOK, J HOOK, REPAIR LINK, CLEAT, ROUND RING**



© **ANCHOR, LOAD BINDERS**



HOT FORGED ITEMS



© PIPE FITTING, BALL VALVE, PIPE NIPPLES, MERCHANT COUPLINGS



© SPLIT RING HANGERS, EYE SOCKET, BEAM/WHEEL CLAMP, LIFT PLATES, HURRICANE STRAPS



HOT FORGED ITEMS

XL Screw Corporation



◎ WASHERS



◎ ROLLER SOCKETS, PIPE ROLLERS, EYENUTS



◎ SPACERS, HANGER RODS, CLEVIS/HITCH/PIVOT PINS



◎ CLAMPING NUTS



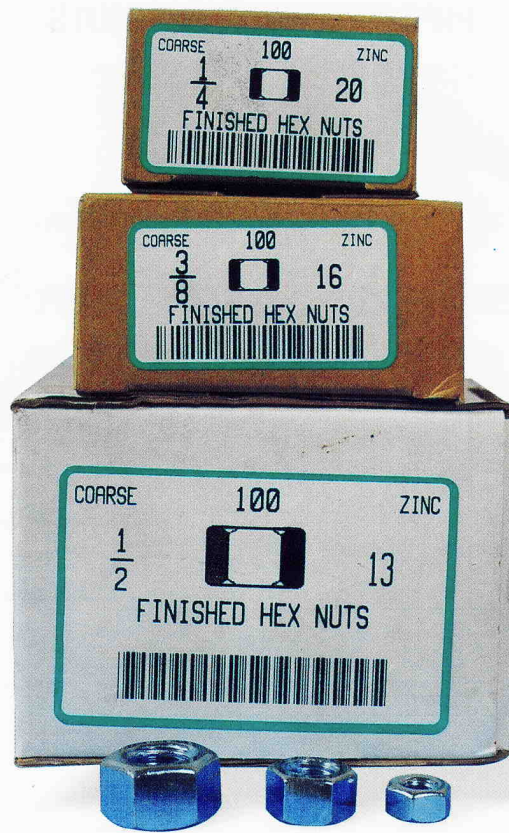
HOT FORGED ITEMS

XL Screw Corporation



© Various Small box & poly bag packages.

PACKAGE



XL Screw Corporation



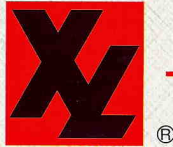
© All detailed Inspection Reports are recorded and kept carefully during and after production.

XLA INSPECTION REPORT			
S.M.S			
SOURCE NAME	NRX/101	PO NBR	32244 ALEX
CATEGORY	JHW / TCS H.T. 2P C1022		
SIZE	3/8-16 x 3/4	QTY (CTNS)	26 CTNS
DELIVERY		SAMPLE SIZE	20 PCS
A. INSPECTED ITEM	DIMENSIONS	RESULT	ACCEPT/REJECT
HEAD DIA			
HEAD HEIGHT	270 / 295	278 / 285	OK
SLOT WIDTH			
SLOT DEPTH			
RECESS PENE. DEPTH			
WAF	551 / 562	554 / 558	OK
WAC	614 / 614	626 / 629	OK
WASHER DIA	720 / 780	738 / 766	OK
WASHER THICKNESS	037 / 063	053 / 056	OK
LENGTH TOL.	720 / 750	722 / 731	OK
MINOR DIA			
MAJOR DIA	3643 / 375	368 / 370	OK
PT. TAPER LENGTH			
UNTHRD. LENGTH			
B. TOR. STRENGTH TEST			
SURFACE HARDNESS			
CORE HARDNESS			
C. PLATING	2P		OK
D. PALLET SIZE			
REMARKS:	1 TCS		
INSPECT DATE	11/31/2K	ON BOARD DATE	
	X48 S60R		

XL-ASIA INSPECTION REPORT - SAMPLE



XL Screw Corporation



SHUENN CHANG FA ENTERPRISE CO., LTD.

PPAP Required Documents List

Customer : XL Screw Corporation P.I. 00104603
 Submission Level : 3 P.O. 31317 Roger
 Part No. : 248-897092 -RB Date: January 16, 2001
 Total : 1,080,000 PCS ; 27 cartons against one pallet
 Cut off date : January 16, 2001
 Vessel Name : Hanjin San Francisco V-22E
 Part Name : SCREW-PAN HEAD PHILLIPS #10-32 UNF-2A

Requirement	Submit	Documents	Remark
1.Warrant (許可證)	S	Part Submission warrant	
2.Appearance Approval Report (外觀確認表)	S	Appearance Approval Report	
3.Sample products -Master sample(樣品)	S	Samples	
4.Dimensional results (尺寸檢驗結果)	S	Dimensional Results	
5.Checking aids (檢驗輔助)	S	Process Flow & Control Plain	
6.Test results (測試報告)	S	(1)Material Test Results (2)Performance Test Results	
7.Process flow diagrams (製造流程圖)	S	Process Flow & Control Plain	
8.Process FMEAs (製程 FMEAs)	S	Process FMEAs	
9.Control Plan (控制計畫)	S	Process Flow & Control Plain	
10.Process Capability studies (製程能力分析)	S	Histogram	
11.Measurement system studies (量測系統分析)	S	(1)Gage Repeatability & (2)SPC Date	

SCF-1001

PPAP DOCUMENT - SAMPLE



XL Screw Corporation



© All cartons and wooden pallets are carefully inspected at the terminal before container loading.



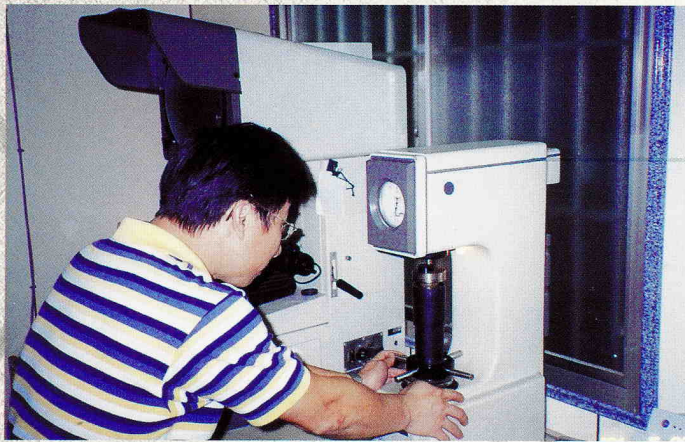
© Even as the containers are loaded, we are working on inspecting all procedures; packing, material, bracing and loading condition, etc. We pay special attention to your material.



XL Screw Corporation



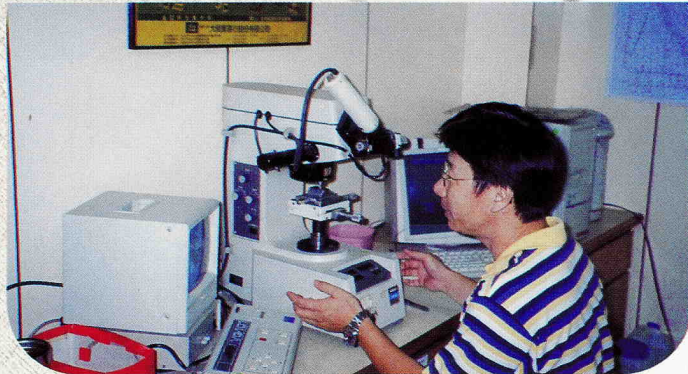
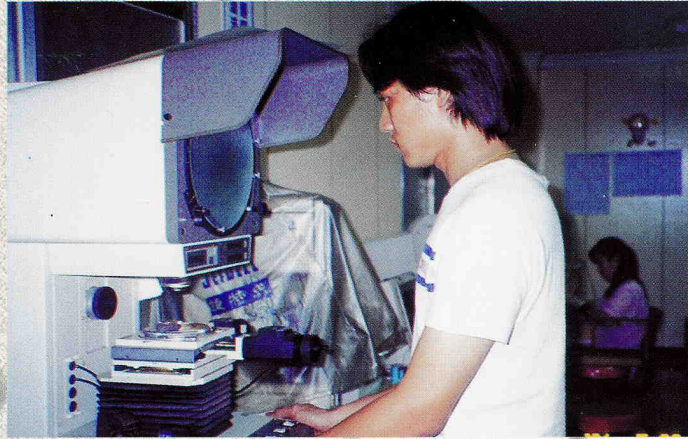
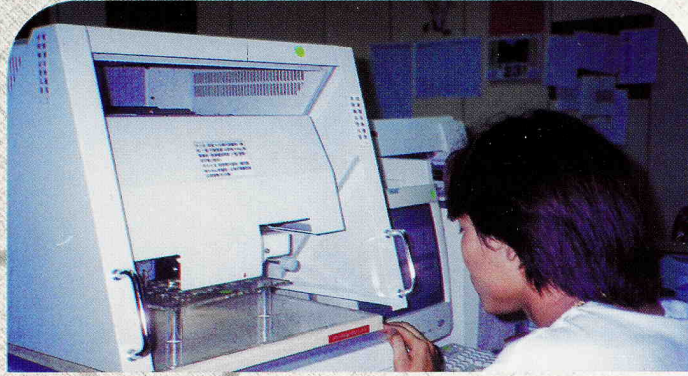
© In addition to dimensional inspection, XL inspectors are performing thorough inspection of mechanical & chemical testing on all of your products.



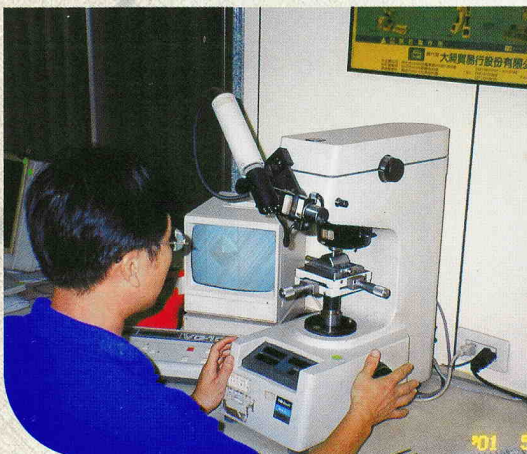
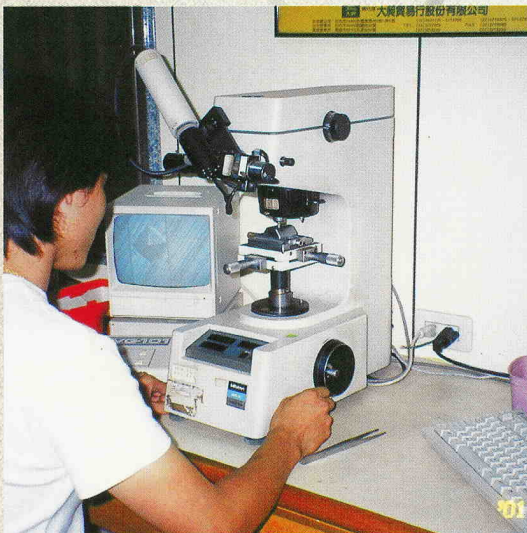
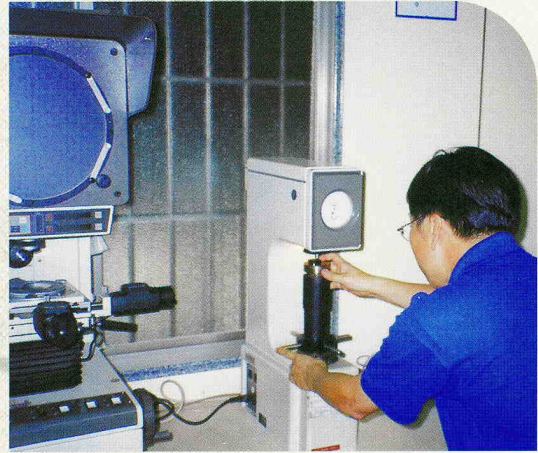
INSPECT



XL Screw Corporation



XL Screw Corporation





You can rely on us because:

- ◎ Our inspectors thoroughly check the quality of all mill products before container loading and shipment.
- ◎ We are professional and experts in fastener knowledge.
- ◎ Material: Steel, Stainless Steel....etc.
- ◎ Coating : All kinds of finish coatings.



XL Screw Corporation



DIMENSIONAL INFORMATION

© Basic Screw Size

Inch	Metric	Inches	Millimeters
#0	M1.6	.0600	1.52
		.0629	1.60
#1	M2	.0730	1.85
		.0787	2.00
#2	M2.5	.860	2.18
		.0984	2.50
#3	M3	.0990	2.51
#4		.1120	2.84
#5	M4	.1181	3.00
#6		.1250	3.17
#8	M5	.1380	3.50
#10		.1574	4.00
#12	M6	.1640	4.16
		.1900	4.82
1/4	M8	.1968	5.00
5/16		.2160	5.48
3/8	M10	.2362	6.00
		.3125	7.93
1/2	M12	.3149	8.00
5/8		.3750	9.52
3/4	M16	.3937	10.00
		.4724	12.00
7/8	M20	.5000	12.70
		.6250	15.87
1	M24	.6299	16.00
		.7500	19.05
		.7874	20.00
		.8750	22.22
		.9448	24.00
		1.000	25.40

Conversion factors
 1.000 inch = 25.4mm
 1.0 mm = .03937 in

© Inches to Decimal to mm Conversions

Fraction	Decimal	mm	Fraction	Decimal	mm
	.015625	.3969		.515265	13.3969
1/32	.03125	.7938	1/32	.53125	13.4938
	.046875	1.1906	3/64	.546875	13.8906
1/16	.0625	1.5875	1/16	.5625	14.2875
	.078125	1.9844	5/64	.578125	14.6844
3/32	.09375	2.3812	3/32	.59375	15.0812
	.109375	2.7781	7/64	.609375	15.4781
1/8	.125	3.175	1/8	.625	15.875
	.140625	3.5719	9/64	.640625	16.2719
5/32	.15625	3.9688	5/32	.65625	16.6688
	.171875	4.3656	11/64	.671875	17.0656
1/16	.1875	4.7625	1/16	.6875	17.4625
	.203125	5.1594	13/64	.703125	17.8594
7/32	.21875	5.5562	7/32	.71875	18.2562
	.234375	5.9531	15/64	.734375	18.6531
1/4	.25	6.35	1/4	.75	19.05
	.265625	6.7469	17/64	.765625	19.4469
9/32	.28125	7.1438	9/32	.78125	19.8438
	.296875	7.5406	19/64	.796875	20.2406
5/16	.3125	7.9375	5/16	.8125	20.6375
	.328125	8.3344	21/64	.828125	21.0344
11/32	.34375	8.7312	11/32	.84375	21.4312
	.359375	9.1281	23/64	.859375	21.8281
3/8	.375	9.525	3/8	.875	22.225
	.390625	9.9219	25/64	.890625	22.6219
13/32	.40625	10.3188	13/32	.90625	23.0188
	.421875	10.7156	27/64	.921875	23.4156
7/16	.4375	11.1125	7/16	.9375	23.8125
	.453125	11.5094	29/64	.953125	24.2094
15/32	.46875	11.9062	15/32	.96875	24.6062
	.484375	12.3031	31/64	.984375	25.0031
1/2	.5	12.7	1/2	1.0	25.4

© Millimeter to Inch Conversions

mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches
1	.0394	21	.8268	41	1.6142	61	2.4016	81	3.1890
2	.0787	22	.8661	42	1.6535	62	2.4410	82	3.2284
3	.1181	23	.9055	43	1.6929	63	2.4803	83	3.2677
4	.1575	24	.9449	44	1.7323	64	2.5197	84	3.3071
5	.1969	25	.9843	45	1.7717	65	2.5591	85	3.3465
6	.2362	26	1.0236	46	1.8110	66	2.5984	86	3.3858
7	.2756	27	1.0630	47	1.8504	67	2.6378	87	3.4252
8	.3150	28	1.1024	48	1.8898	68	2.6772	88	3.4646
9	.3543	29	1.1417	49	1.9291	69	2.7165	89	3.5039
10	.3937	30	1.1811	50	1.9685	70	2.7559	90	3.5433
11	.4331	31	1.2205	51	2.0079	71	2.7953	91	3.5827
12	.4724	32	1.2598	52	2.0472	72	2.8347	92	3.6221
13	.5118	33	1.2992	53	2.0866	73	2.8740	93	3.6614
14	.5512	34	1.3386	54	2.1260	74	2.9134	94	3.7008
15	.5906	35	1.3780	55	2.1654	75	2.9528	95	3.7402
16	.6299	36	1.4173	56	2.2047	76	2.9921	96	3.7795
17	.6693	37	1.4567	57	2.2441	77	3.0315	97	3.8189
18	.7087	38	1.4961	58	2.2835	78	3.0709	98	3.8583
19	.7480	39	1.5354	59	2.3228	79	3.1102	99	3.8976
20	.7872	40	1.5748	60	2.3622	80	3.1496	100	3.9370





XL Screw Corporation

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Lincolnshire, IL 60069

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994 Valley Belt Road
Brooklyn Heights, Ohio 44131-1446

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