

Inch  
Pouce



**Thread Cutting / Tapping Screws - Indented Hex / Phillips Drive**

Vis autotaraudeuses taillant le filet/autotaraudeuses – tête hexagonale dentelée/cruciforme

Hardened  
**STEEL**

**“SEMS” TYPE TAPPING SCREWS**



TYPES  
A, B, 1, 23, 25

ILLUSTRATION	SPAENAUR No.	SIZE	DESCRIPTION	PKG QTY.
	464-109	#6 x 1/2" (1/4" AF)	Indented Hexagon Head, Steel, Zinc Plated Type 25 - with 1/4" O.D. External Tooth Lockwasher.	100
	460-B07-1N	8-32 x 1/2"	Phillips Truss Head, Steel, Zinc Plated Type 23 - with 3/8" O.D. External Tooth Lockwasher.	100
	2357	#8 x 7/16"	Phillips Round Washer Head, Steel, Nickel Plated Type A - with 3/8" O.D. External Tooth Lockwasher.	100
	SE-29 SE-30 SE-31 SE-32	#8 x 5/8" #8 x 3/4" #8 x 1" #8 x 1-1/4"	Phillips Oval Head, Steel, Nickel Plated Type A - with Nickel Plated Finishing Washer. Screws have No. 6 Head. <b>Auto Trim TAPPING Screws</b>	100 100 100 100
	ST-78H	#14A x 3/4"	Indented Hexagon Head (7/16" AF), Steel, Zinc Plated Type AB - with 5/8" O.D. x 3/64" Thick Flat Washer.	50
	464-A01-1X	5/16"-18 x 1-5/8" (1/2" AF)	Indented Hexagon Head, Steel, Cadmium Plated Type 23 - with 3/4" O.D. Flat Washer. Indented Hexagon Head, Steel, Zinc Plated	100
	460-B03-1A	5/16"-18 x 1/2" (1/2" AF)	Type 1 - with 9/16" O.D. External Tooth Lockwasher.	100

**NEW**



For E-Z Coil® Thread Repair Kit  
See Page C191



STANDARD

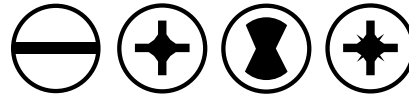


ECONOMY

**B**






**Machine Screws / Shoulder Bolts / Tapping Screws**

Vis mécaniques / Vis à épaulement / Vis autotaraudeuses




Inch  
Pouce

B

<b>STEEL</b> Inch Sizes ASME B18.13		 <b>SLOT</b>		<b>“SEMS” TYPE MACHINE SCREWS</b>		 <b>PHILLIPS</b>	
		PLATING: Zinc or Cadmium at our option.					
ILLUSTRATION	SPAENAUR No.	SIZE	DESCRIPTION		PKG QTY.		
	<b>B-950</b>	1/4"-20 UNC x 7/16"	Slot Binding Head, Steel, Plated, Sems Screw - with External Tooth Shakeproof Lockwasher.		100		
	<b>460-B01-1M</b>	4-40 UNC x 1/4"	Phillips Pan Head, Steel, Plated, Sems Screw- with External Tooth Shakeproof Lockwasher.		100		
	<b>460-001</b>	4-40 UNC x 1/2"			100		
	<b>460-B02-1X</b>	6-32 UNC x 1/4"			100		
	<b>460-B04-1P</b>	6-32 UNC x 3/8"			100		
	<b>SE-84P</b>	10-24 UNC x 7/8"			100		
	<b>SE-26</b>	10-32 UNF x 5/18"			100		
	<b>460-022</b>	10-32 UNF x 1"			100		
	<b>460-B05-1Y</b>	8-32 UNC x 3/8"	Phillips Pan Head, Steel, Nickel Plated, Sems Screw- with Internal Tooth Lockwasher.		100		

**STEEL**  **PHILLIPS DRIVE**  
(Cross Recess)

ILLUSTRATION	SPAENAUR No.	SIZE	DESCRIPTION	PKG QTY.
	<b>SE-50P</b>	8-32 UNC x 1/2"	Phillips Binding Head, Zinc Plated Steel, Sems	100

**STEEL** Inch Sizes  
\*Type 23 Thread-Cutting.

SPAENAUR No.	Screw Size	Head Style	Width Across Flat	Washer Type	Washer O.D.	Finish	PKG QTY.
<b>SE-18-ZP</b>	1/4"-20 x 5/8"	Indented Hex.	7/16"	Ext. Tooth	.480"	Zinc	50
<b>*SE-77H</b>	5/16"-18 x 1-5/8"	Indented Hex.	1/2"	Flat	3/4"	Zinc Chr.	100

 <p><b>KNURLED HEAD MACHINE SCREWS</b> Steel - Nickel Plated</p> <p><b>MS-443</b>   8-32 x 1/2"   Nic. Pltd</p> <p>PKG QTY. 100</p>	 <p><b>386-C01-1K</b> 1/4"-20 x 1"</p> <p><b>Pozi-Drive Flat Ctsk. Steel Mach. Screw</b> Zinc Di-chromate ASME B18.6.3</p> <p>PKG QTY. 100</p>	 <p><b>535-005</b> 10 x 1-1/4" Round Hd.</p> <p><b>“SCRULOX 8” Drive</b> (use Robertson Square Soc. Driver)</p> <p><b>Type AB Tapping Screws</b> Zinc Chromate Plated</p> <p>PKG QTY. 100</p>
<p>Hardened Screw-in Stud. Stainless steel replaces weld on stud used for attaching moulding clips to body.</p> <p><b>599-015</b></p> <p>SIZE: #4B x 5/8"</p>  <p>PKG QTY. 100</p>		

SPAENAUR CATALOG 14

**B118**

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Inch

Pouce



**Automotive & Specialty Screws - Hex Drive**

Vis spécialisées et pour automobile – prise hexagonale

**STEEL**

**Hex Head**



**Dog Point**

Ford Products '77/.

SPAENAUR No.	Screw Size	Hex Width	Washer O.D.	Finish	PKG QTY.
460-002	1/4"-20 x 3/4"	7/16"	3/4"	Phosphate and Oil	50
460-003	1/4"-20 x 15/16"	7/16"	3/4"	Black Phosphate	50
460-004	1/4"-20 x 15/16"	7/16"	3/4"	Dichromate	50
460-005	1/4"-20 x 1-1/8"	7/16"	3/4"	Dichromate	50
460-006	5/16"-18 x 15/16"	1/2"	7/8"	Dichromate	50
460-007	5/16"-18 x 15/16"	1/2"	7/8"	Phosphate and Oil	50
460-008	5/16"-18 x 1-1/16"	1/2"	7/8"	Dichromate	50
460-009	5/16"-18 x 1-3/16"	1/2"	7/8"	Dichromate	50
460-011	5/16"-18 x 1-3/16"	1/2"	7/8"	Phosphate and Oil	50
460-B06-1C	5/16"-18 x 1-7/16"	1/2"	7/8"	Dichromate	50
460-013	3/8"-16 x 1-3/16"	9/16"	1"	Phosphate and Oil	50

See Page B121 and B122 for Metric sizes.

**Automotive and Special Screws  
Vis d'automobile et vis spéciales**

**STEEL**



MS-243



MS-241

INCH SIZES

SPAENAUR No.	Screw Size	Head Style, Etc.	Hex. Width	Head O.D.	Point Style	Finish
MS-243	5/16"-18 x 3/4"	Indented Hex. Washer "Spin-Lok"	1/2"	13/16"	Dog	Cadmium
MS-241	5/16"-24 x 1"	Indented Hex. Washer "Spin-Lok"	1/2"	13/16"	Dog	Parkerized

PKG QTY. 50

**ASSORTMENT 805-513A**

**AUTOMOTIVE SPECIAL SCREWS & NUTS WITH TINNERMAN® FASTENERS**

Panel Nuts & Automotive Screws  
Steel

26 SIZES - 321 PIECES



**For the complete assortment contents turn to A43**

CATALOG 14

SPAENAUR

Hex Flange Serrated Screws

Vis dentelées hexagonales à embase

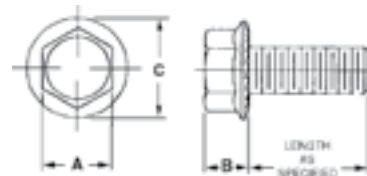


Inch

Pouce

**STEEL**

Case-hardened to RC 40



**HEX FLANGE (Serrated) SCREW**

Zinc Plated

B

Thread Size	SPAENAUR No.	Length Under Head	A Min. Width A/F	B Flange Head Thick.	C Flange Dia. Min.	PKG QTY.	Thread Size	SPAENAUR No.	Length Under Head	A Min. Width A/F	B Flange Head Thick.	C Flange Dia. Min.	PKG QTY.		
6-32 UNC	328-048	1/4"	.181"	.132"	.254"	100	1/4"-28 UNF	328-042	1/2"	.367"	.216"	.513"	100		
	328-049	3/8"				100		328-031	3/4"				100		
	328-001	1/2"				100		5/16"-18 UNC	328-034				7/8"	100	
	328-041	5/8"				100			328-035				1-1/2"	100	
	328-002	3/4"				100			3/8"-16 UNC				328-F05-1W	3/4"	50
	328-003	1"				100							328-F04-1K	1"	50
8-32 UNC	328-050	5/16"	.241"	.161"	.341"	100	328-F06-1M	1-1/4"		50					
	328-004	1/2"				100	328-F08-1A	1-1/2"		50					
	328-025	5/8"				100	7/16"-14 UNC	328-038		1-1/4"	.612"	.365"	.856"	50	
	328-005	3/4"				100									
328-006	1"	100													
10-24 UNC	328-008	3/4"	.305"	.185"	.425"	100	1/2"-13 UNC	328-045	3/4"	.736"	.430"	1.027"	25		
	328-027	1-1/4"				100		328-039	1"				25		
10-32 UNF	328-011	3/4"	.305"	.185"	.425"	100		328-046	1-1/4"				25		
	328-012	1"				100		328-040	1-1/2"				25		
	328-028	1-1/4"				100		328-047	2"				25		
1/4"-20 UNC	328-013	1/2"	.367"	.216"	.513"	100									
	328-029	5/8"				100									
	328-030	7/8"				100									

**Advantages:**

**Fully Reusable**

**One Piece Construction** — Eliminates lockwashers and multiple piece assemblies.

**Flange Base** — Distributes load over greater area, higher strength.

**Excellent Locking Features** — 30% more torque to remove than to apply.

**Excellent Electrical Contact** — Positive bearing surface to bearing surface contact.

**Lower Cost than Preassembled Fasteners** — 1. Increases product reliability.  
2. Reduces assembly time.

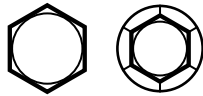
See page C23 for  
**FLANGE WHIZ-LOCK NUTS**

CATALOG 14

SPAENAUR

Metric

Métrique




Automotive / Hex Flange Serrated Screws  
Vis dentelées pour automobile / hexagonales à embase

**Hex Head Dog Point**

**STEEL**

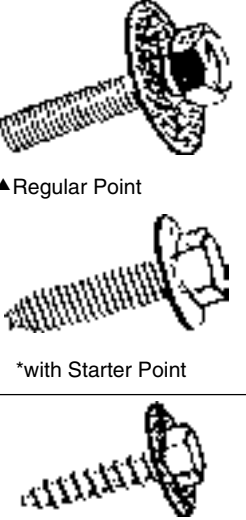
Ford Products '79/.



SPAENAUR No.	Screw Size	Hex Width	Washer O.D.	Finish	PKG QTY.
461-018	M6 x 1.00 x 18 mm	8 mm	19 mm	Zinc, Yellow Dichromate	50
461-019	M6 x 1.00 x 23 mm	8 mm	19 mm	Zinc, Yellow Dichromate	50

**General Motors '77/'79**

Substance & FINISH:  
Usually to O.E.M. Specifications



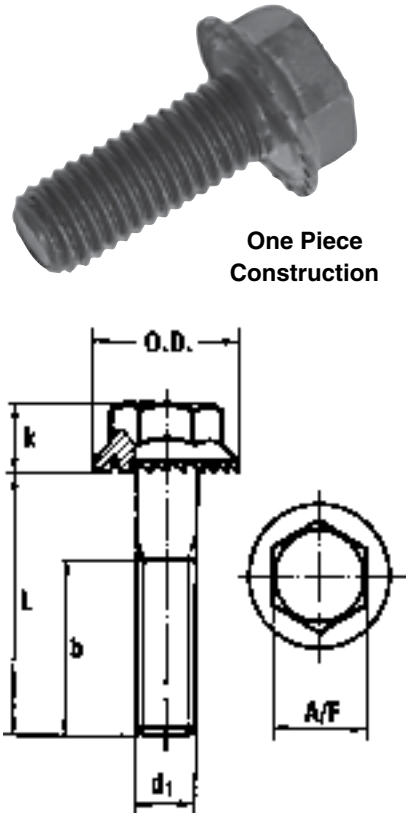
▲ 461-A01-1Y	M6 x 1.00 x 25 mm	10 mm	17 mm	Phosphate (Black)	25
▲ 461-004	M6.3 x 1.00 x 20 mm	10 mm	17 mm	Phosphate (Black)	25
*461-001	M6.3 x 1.00 x 20 mm	10 mm	20 mm	Phosphate (Blue)	25
*461-A02-1C	M6.3 x 1.00 x 25 mm	10 mm	23.8 mm	Phosphate (Black)	25
*461-005	M10 x 1.50 x 40 mm	15 mm	28.6 mm	Phosphate (Black)	25
466-001	M6.3 x 20 mm	10 mm	23.8 mm	Phosphate (Black)	25

▲ Regular Point  
\*with Starter Point

**Tensilok®**

**Hex Flange (serrated) Screws**

Steel — Black Finish



One Piece Construction

d1=Dia.	M5	M6	M8	M10	M12	M16
Pitch mm	0.8	1	1.25	1.5	1.75	2
b max.	16	18	22	26	30	38
O.D. max.	11.20	14.25	18.25	21	24	31
k max.	4.3	5.5	7	7.9	8.7	11.2
A/F	8	10	13	15	17	22
Lgth. mm	ORDER BY SPAENAUR NUMBERS LISTED BELOW					
8	328-210					
10	328-211	328-215				PKG QTY. 25
12	328-212	328-216	328-222			
16	328-213	328-217	328-223	328-231		
18		328-218	328-224	328-232		
20	328-214	328-F16-1K	328-225	328-233	328-239	
22			328-226	328-234		
25		328-220	328-227	328-235	328-240	328-246
30		328-221	328-228	328-236	328-241	328-247
35			328-229	328-237	328-242	328-248
40			328-230	328-238	328-243	328-249
45					328-244	328-250
50					328-245	328-251
55						328-252
60						328-253
70						328-254

Tensile strength R<sub>m</sub>: • for M5 - M10 dia. min. 900-1100 MPa (approx. 130500-159500 psi)  
• for M12 - M16 dia. min. 1000-1200 MPa (approx. 145000-174000 psi)

**Automotive Screws / Machine Screws**

Vis pour l'automobile / Vis mécaniques



Metric  
Métrique

B

**STEEL**

Substance and FINISH: Usually to O.E.M. Specifications



**461-014**

**10 mm x 22 mm**

(15 mm across flats)

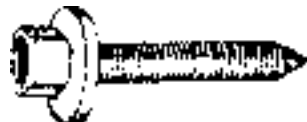
Blue

Prop. Class 9.8

Indented Hex Head Bolt with  
20 mm Washer.

General Motors '77/.

**PKG QTY. 50**



**461-016**

**6.3 mm x 40 mm**

(10 mm across flats)

Indented Hex Head Bolt with 17 mm  
Washer.

General Motors '77/.

**PKG QTY. 50**



**461-017**

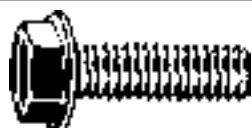
**4 mm x 0.7 x 16 mm Black**

(7 mm across flats)

Hex Head Screw with 12 mm Washer.

General Motors '77/.

**PKG QTY. 100**



**542-004**

**M8 x 1.25 x 25 mm**

Indented  
Hex-Washer Head  
(13 mm across flats)

Hardened - Machine Screw

Phosphate & Oil Finish

**PKG QTY. 50**

**461-012**

**8 mm x 1.25 x 25 mm Grade 9.8**

(13 mm across flats)

Indented Hex Head Bolt Type CA with  
23 mm Conical Washer.

General Motors '77/.

**PKG QTY. 50**



**389-001**

**M6 x 20 mm**  
(Pozidrive)

Screw, Rear License  
Plate Attaching

Ford Fiesta 78/.

STEEL, Zinc Dichromate  
Plated

**PKG QTY. 50**

**461-015**

**10 mm x 40 mm**

(15 mm across flats)

Screw Indented Hex Head with Loose  
30 mm Washer, CA Point

General Motors Cars '76/.

**PKG QTY. 50**

**814-026**

**Dura-Hang™  
Panel Hangers**

Made of Steel and  
Nickel Plated these  
hangers are ideal to  
hang storage racks  
814-043 and 814-044.



They are adjustable  
to fit up to 3-3/8" wide panels.

**PKG QTY. 1 Set**

**(Includes 2 hangers and a wrench)**

**814-043**

**Storage Rack Holds  
5 Regular Size  
Plastic Compartment  
Boxes**




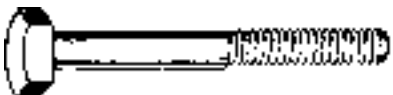






This versatile cold rolled steel  
rack with grey baked enamel  
finish has been designed for  
three way use. Keyhole slots  
are furnished for wall mounting.  
A handle is provided and bolt  
holes permit stacking.



Inch and **Metric**  
Pouce et **Métrique**



**Automotive Screws**  
Vis pour l'automobile

 <p><b>392-014</b> <b>M4 x 0.70 x 42 mm</b> 6.3 mm (1/4") across flats Slotted Hex Washer Head Machine Screw Black Zinc Plated <b>PKG QTY. 50</b></p>	 <p>Screw, Hex Washer Head General Motors '76/'79 <b>392-004</b> Replaces 11503616 <b>M6.3 x 25 mm</b> 10 mm across flats <b>PKG QTY. 50</b></p> <hr/> <p><b>392-002</b> (362029) <b>M8 x 1.25 Pitch x 30 mm</b> 13 mm across flats <b>PKG QTY. 25</b></p>	<p>Substance and FINISH: Usually to OEM specifications</p>  <p><b>491-002</b> <b>M4.2 x 12 mm</b> (8-18 x 1/2") 6.3 mm (1/4") across flats Screw, Indented Hex Head, for use in Plastic Grills, etc. General purpose, all cars, trucks, etc. <b>PKG QTY. 100</b></p>	
 <p><b>392-006</b> Replaces 11500039 <b>M6 x 45 mm</b> 10 mm across flats Hex Head Bolt, Metric General Motors '79/. <b>PKG QTY. 50</b></p>	 <p><b>392-011</b> Replaces 11504499 <b>M8 x 1.25 x 30 mm</b> 13 mm across flats 16 mm washer hd. O.D. Bolt, Indented Hex Washer Head: General Motors '79/. <b>PKG QTY. 50</b></p>	 <p><b>389-001</b> <b>M6 x 20 mm (Pozi-Drive)</b> Screw, Rear License Plate Attaching Ford Fiesta '78/. <b>PKG QTY. 50</b></p>	
<p><b>392-008</b> Replaces 11500001 <b>M6 x 20 mm</b> 10 mm across flats Hex Head Bolt, Metric General Motors '79/. <b>PKG QTY. 50</b></p> <hr/> <p><b>392-009</b> Replaces 11503948 <b>M6 x 25 mm</b> 10 mm across flats Hex Head Bolt, Metric General Motors '79/. <b>PKG QTY. 50</b></p> 	 <p>Metric Hex Flange Head Screw General Motors '77/'79. <b>392-001</b> (11504499) (11504501) <b>M8 x 1.25 Pitch x 25 mm</b> 13 mm across flats 15 mm washer hd. O.D. <b>PKG QTY. 25</b></p>	 <p><b>389-002</b> Replaces 11502623 <b>M4 x 0.7 x 20 mm Blue</b> Metric, Philips Flat Head Machine Screw Pozi-Drive General Motors '77/. <b>PKG QTY. 100</b></p>	 <p><b>496-001</b> Replaces 11501917 <b>M7.9 x 1.59 x 20 mm</b> 10 mm across flats Oldsmobile '77/. Hex, Washer Head Bolt, Hi-Lo Thread Grill and Fiberglass Front End Members. <b>PKG QTY. 50</b></p>

**ASSORTMENT**  
**ASSORTIMENT 805-513A**

**26 SIZES — 321 PIECES**

**AUTOMOTIVE SPECIAL SCREWS & NUTS WITH TINNEMAN® FASTENERS**

*Panel Nuts & Automotive Screws*  
**Steel**

Furnished in Regular Size, Grey enamelled STEEL Drawer with scooped bins. Drawer will fit into Slide Racks shown on page A2

Size: 13-3/8" x 9-1/4" x 2"  
Shipping Wt. **4.88 kg** (10-3/4 lbs.)



**For the complete assortment contents turn to A43**