

Inch

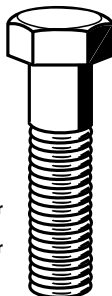
Pouce



**L•9® Hexagon Bolts**

Vis à tête hexagonale L•9<sup>MD</sup>

**Alloy STEEL**  
Heat Treated



Length shown is under head to end in inches.

MINIMUM THREAD LENGTH  
Up to 6" long: Twice diameter plus 1/4 inch.  
Over 6" long: Twice diameter plus 1/2 inch.

**L•9® HEXAGON Bolts**

**20% stronger than SAE Grade 8**

**IMPORTANT NOTE:**  
To obtain optimum strength values, use only L•9 fasteners.

**ZINC PLATED**  
Yellow Dichromate Finish

**Rockwell Hardness**  
C38-42

**UNIFIED STANDARD**  
CLASS 2A FIT

**MINIMUM TENSILE STRENGTH**  
180,000 PSI

**Bolt Head Specifications**

DIA.	WIDTH ACROSS FLATS		HEAD HEIGHT	
	MAX	MIN	MAX	MIN
1/4	.437	.428	.194	.181
5/16	.500	.489	.242	.227
3/8	.562	.551	.290	.273
7/16	.625	.612	.338	.319
1/2	.750	.736	.386	.364
9/16	.812	.798	.433	.410
5/8	.937	.922	.481	.456
3/4	1.125	1.110	.577	.548
7/8	1.312	1.285	.672	.640
1	1.500	1.469	.706	.670
1-1/8	1.687	1.631	.806	.756
1-1/4	1.875	1.812	.886	.832
1-1/2	2.250	2.175	1.062	1.000

**COARSE THREAD (U.N.R.C.)**

DIA.	1/4	5/16	3/8	7/16	1/2	9/16	5/8
THD.	20	18	16	14	13	12	11
LG.▼	<b>ORDER BY SPAENAUR NUMBERS LISTED BELOW</b>						
1/2	329-001	329-011	329-022				
3/4	329-002	329-012	329-023	329-037	329-049		
1	329-003	329-013	329-024	329-038	329-050	329-065	329-073
1-1/4	329-004	329-014	329-025	329-039	329-051		329-074
1-1/2	329-005	329-015	329-026	329-040	329-052	329-066	329-075
1-3/4	329-006	329-016	329-027	329-041	329-053		329-076
2	329-007	329-017	329-028	329-042	329-054	329-067	329-077
2-1/4			329-029		329-055		329-078
2-1/2	329-008	329-018	329-030	329-043	329-056	329-068	329-079
2-3/4							329-080
3	329-009	329-019	329-031	329-044	329-057	329-069	329-081
3-1/2		329-020	329-032	329-045	329-058	329-070	329-082
4		329-021	329-033	329-046	329-059	329-071	329-083
4-1/2			329-034		329-060		329-084
5			329-035	329-047	329-061	329-072	329-085
5-1/2							329-086
6				329-048	329-062		329-087
7					329-063		329-088
8					329-064		329-089
9							329-090
10							329-091
11							329-092
12							329-093

DIA.	3/4	7/8	1	1-1/8	1-1/4	1-1/2
THD.	10	9	8	7	7	6
LG.▼						
1-1/2	329-094					
1-3/4	329-095					
2	329-096	329-113	329-128			
2-1/4	329-097					
2-1/2	329-098	329-114	329-129			
2-3/4	329-099					
3	329-100	329-115	329-130	329-143	329-151	
3-1/2	329-101	329-116	329-131	329-144	329-152	
4	329-102	329-117	329-132	329-145	329-153	329-164
4-1/2	329-103	329-118	329-133	329-146	329-154	
5	329-104	329-119	329-134	329-147	329-155	329-165
5-1/2	329-105	329-120	329-135		329-156	
6	329-106	329-121	329-136	329-148	329-157	329-166
7	329-107	329-122	329-137	329-149	329-158	329-167
8	329-108	329-123	329-138		329-159	329-168
9	329-109	329-124	329-139		329-160	
10	329-110	329-125	329-140	329-150	329-161	329-169
11	329-111	329-126	329-141		329-162	
12	329-112	329-127	329-142		329-163	329-170

Contact Sales Desk For Package Quantities

L•9® Nuts and washers on page B149.

L•9® assortment on page B150

CATALOG 14

SPAENAUR

**L•9® Hexagon Bolts**

Vis à tête hexagonale L•9<sup>MD</sup>



Inch

Pouce

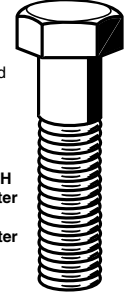
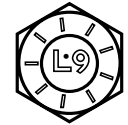
**B**

**FINE THREAD (U.N.R.F.)**

DIA.	1/4	5/16	3/8	7/16	1/2	9/16	5/8
THD.	28	24	24	20	20	18	18
LG.▼	<b>ORDER BY SPAENAUR NUMBERS LISTED BELOW</b>						
1/2	329-171						
3/4	329-172	329-179	329-187				
1	329-173	329-180	329-188	329-198	329-207		329-227
1-1/4	329-174	329-181	329-189	329-199	329-208		
1-1/2	329-175	329-182	329-190	329-200	329-209	329-221	329-228
1-3/4		329-183	329-191	329-201	329-210		329-229
2	329-176	329-184	329-192	329-202	329-211	329-222	329-230
2-1/4			329-193		329-212		329-231
2-1/2	329-177	329-185	329-194	329-203	329-213	329-223	329-232
2-3/4							329-233
3	329-178	329-186	329-195	329-204	329-214	329-224	329-234
3-1/2			329-196	329-205	329-215	329-225	329-235
4			329-197	329-206	329-216	329-226	329-236
4-1/2							329-237
5					329-217		329-238
5-1/2							329-B02-1C
6					329-218		329-240
7					329-219		329-241
8					329-220		329-242
9							329-243

**Alloy STEEL**

Heat Treated



Length shown is under head to end in inches.

MINIMUM THREAD LENGTH  
Up to 6" long: Twice diameter plus 1/4 inch.  
Over 6" long: Twice diameter plus 1/2 inch.

**L•9® HEXAGON Bolts**

**20% stronger than SAE Grade 8**

**IMPORTANT NOTE:**  
To obtain optimum strength values, use only L•9 fasteners.

**ZINC PLATED  
Yellow Dichromate Finish**

**Rockwell Hardness  
C38-42**

**UNIFIED STANDARD  
CLASS 2A FIT**

**MINIMUM  
TENSILE STRENGTH  
180,000 PSI**

**See previous page for Bolt Head Specifications.**

DIA.	3/4	7/8	1	1-1/8	1-1/4	1-1/2
THD.	16	14	14	12	12	12
LG.▼						
1-1/2	329-244					
1-3/4	329-245					
2	329-246	329-262				
2-1/4	329-247					
2-1/2	329-248	329-263	329-274			
2-3/4	329-249					
3	329-250	329-264	329-275	329-288	329-296	
3-1/2	329-251	329-265	329-276	329-289	329-297	
4	329-252	329-266	329-277	329-290	329-298	
4-1/2	329-253	329-267	329-278	329-291	329-299	
5	329-254	329-268	329-279	329-292	329-300	329-310
5-1/2	329-255	329-269	329-280		329-301	
6	329-256	329-270	329-281	329-293	329-302	329-311
7	329-257	329-271	329-282	329-294	329-303	329-312
8	329-258	329-272	329-283	329-295	329-304	
9	329-259	329-273	329-284		329-305	
10	329-260		329-285		329-306	
11	329-261		329-286		329-307	
12			329-287		329-308	

Contact Sales Desk For Package Quantities

L•9® Nuts and washers on page B149.

L•9® assortment on page B150

Inch

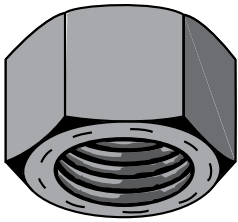
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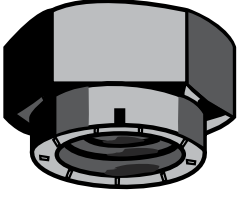
**L<sup>9</sup>® Hex Nuts / Washers**

**Écrous hexagonaux L<sup>9</sup>® / Rondelles**

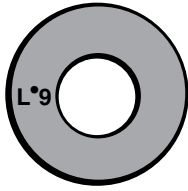
**Recommended for use with L<sup>9</sup>® Hex Bolts**

<b>STEEL Alloy</b> <b>L<sup>9</sup> HEX NUT</b>  <b>Cadmium Plated and Waxed</b> <b>Yellow Dichromate Finish</b>  <b>Rockwell Hardness</b> 1/4"-5/8" Dia. C28-34 3/4"-1 " Dia. C32-38	<b>NOMINAL SIZE</b>	<b>COARSE THREAD (U.N.C.)</b>		<b>FINE THREAD (U.N.F.)</b>		<b>WIDTH ACROSS FLAT MAX./MIN.</b>	<b>THICKNESS MAX./MIN.</b>	<b>PKG QTY.</b>
		<b>SPAENAUR No.</b>	<b>THD.</b>	<b>SPAENAUR No.</b>	<b>THD.</b>			
		1/4	155-400	20	155-413			
5/16	155-401	18	155-414	24	.500/.489	.309/.293	50	
3/8	155-402	16	155-415	24	.562/.551	.377/.360	50	
7/16	155-403	14	155-416	20	.687/.675	.445/.426	25	
1/2	155-404	13	155-417	20	.750/.736	.511/.490	25	
9/16	155-405	12	155-418	18	.875/.861	.575/.552	25	
5/8	155-406	11	155-419	18	.937/.922	.655/.630	25	
3/4	155-407	10	155-420	16	1.125/1.088	.762/.733	20	
7/8	155-408	9	155-421	14	1.312/1.269	.882/.850	15	
1	155-409	8	155-422	14	1.500/1.450	1.018/.982	10	
1-1/8	155-410	7	155-423	12	1.687/1.631	1.176/1.136	10	
1-1/4	155-411	7	155-424	12	1.875/1.812	1.272/1.228	10	
1-1/2	155-412	6	155-425	12	2.250/2.175	1.526/1.474	10	

<b>STEEL Alloy</b> <b>L<sup>9</sup> STOVER® LOCKNUT</b>  <b>Cadmium Plated and Waxed</b> <b>Yellow Dichromate Finish</b>  <b>Rockwell Hardness</b> 1/4"-5/8" Dia. C28-34 3/4"-1 " Dia. C32-38	<b>NOMINAL SIZE</b>	<b>COARSE THREAD (U.N.C.)</b>		<b>FINE THREAD (U.N.F.)</b>		<b>WIDTH ACROSS FLAT MAX./MIN.</b>	<b>THICKNESS MAX./MIN.</b>	<b>PKG QTY.</b>
		<b>SPAENAUR No.</b>	<b>THD.</b>	<b>SPAENAUR No.</b>	<b>THD.</b>			
		1/4	172-001	20				
5/16	172-002	18	172-015	24	.500/.489	.336/.316	50	
3/8			172-016	24	.562/.551	.400/.380	50	
7/16	172-004	14	172-017	20	.687/.675	.449/.429	25	
1/2	172-005	13	172-018	20	.750/.736	.516/.496	25	
9/16	172-006	12	172-019	18	.875/.861	.580/.560	25	
5/8	172-007	11			.937/.922	.660/.640	25	
3/4	172-008	10	172-021	16	1.125/1.088	.767/.747	20	
7/8	172-009	9	172-022	14	1.312/1.269	.887/.867	15	
1	172-010	8	172-023	14	1.500/1.450	1.023/1.003	10	
1-1/8	172-011	7	172-024	12	1.687/1.631	1.181/1.161	10	
1-1/4	172-012	7	172-025	12	1.875/1.812	1.277/1.257	10	
1-1/2	172-013	6	172-026	12	2.250/2.175	1.531/1.511	10	

<b>C1050 - 1060 STEEL</b> <b>L<sup>9</sup> WASHERS</b> <b>Quenched and Tempered</b>  <b>Cadmium Plated</b> <b>Yellow Dichromate Finish</b>  <b>Rockwell Hardness</b> 15N 82-85	<b>SPAENAUR No.</b>	<b>BOLT SIZE</b>	<b>INSIDE DIAMETER MAX./MIN.</b>	<b>OUTSIDE DIAMETER MAX./MIN.</b>	<b>THICKNESS MAX./MIN.</b>	<b>PKG QTY.</b>
		656-400	1/4	.286/.276	.640/.620	.071/.056
	656-401	5/16	.349/.339	.703/.681	.071/.056	100
	656-402	3/8	.411/.401	.827/.805	.112/.090	100
	656-403	7/16	.474/.464	.937/.915	.112/.090	50
	656-404	1/2	.536/.526	1.092/1.055	.112/.090	50
	656-405	9/16	.599/.589	1.186/1.149	.112/.090	50
	656-406	5/8	.663/.649	1.342/1.305	.174/.146	50
	656-407	3/4	.819/.805	1.499/1.462	.174/.146	50
	656-408	7/8	.945/.931	1.780/1.743	.174/.146	50
	656-409	1	1.069/1.055	2.030/1.993	.174/.146	25
	656-410	1-1/8	1.195/1.181	2.030/1.993	.174/.146	25
	656-411	1-1/4	1.319/1.305	2.280/2.243	.266/.234	25
	656-412	1-1/2	1.572/1.552	2.780/2.743	.266/.234	25

**B**

CATALOG 14 SPAENAUR

# L•9® Hexagon Bolts / Nuts / Washers Assortment

Assortiment de boulons / écrous / rondelles à six pans creux L • 9®



Inch  
Pouce

## L•9® Fastening System

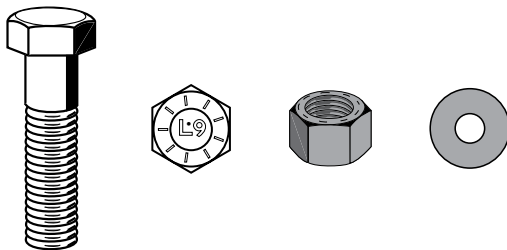
Zinc Plated  
Yellow Dichromate Finish

24 Sizes — 1,115 Pieces

Furnished in LARGE SIZE grey enamel drawer with hinged lid and catch.

Drawer will fit into Slide Racks shown on A3

Shipping Weight: **15.79 kg** (34.8 lbs.)



**ASSORTMENT 805-648**

**Coarse (UNC) Thread**

**ASSORTMENT 805-649**

**Fine (UNF) Thread**

Name	Spaenaur No.	Thread Size	Length Under Head	Qty.	Page
Coarse Thread Hexagon Bolt	329-002	1/4"-20	3/4"	35	B147
	329-003		1"		
	329-005		1-1/2"		
	329-007		2"		
	329-012		3/4"		
	329-013	5/16"-18	1"	25	
	329-015		1-1/2"		
	329-017		2"		
	329-024		1"		
	329-026	3/8"-16	1-1/2"	15	
	329-028		2"		
	329-030		2-1/2"		
	329-050	1/2"-13	1"	10	
	329-052		1-1/2"		
	329-054		2"		
329-056	2-1/2"				
Hex Nut	155-400	1/4"-20	100	B149	
	155-401	5/16"-18			
	155-402	3/8"-16			
	155-404	1/2"-13			
155-404	45				
Name	Spaenaur No.	Compatible Thread Size	Qty.	Page	
Flat Washer	656-400	1/4"	100	B149	
	656-401	5/16"			
	656-402	3/8"			
	656-404	1/2"			

Name	Spaenaur No.	Thread Size	Length Under Head	Qty.	Page
Fine Thread Hexagon Bolt	329-172	1/4"-28	3/4"	35	B148
	329-173		1"		
	329-175		1-1/2"		
	329-176		2"		
	329-179		3/4"		
	329-180	5/16"-24	1"	25	
	329-182		1-1/2"		
	329-184		2"		
	329-188		1"		
	329-190	3/8"-24	1-1/2"	15	
	329-192		2"		
	329-194		2-1/2"		
	329-207	1/2"-20	1"	10	
	329-209		1-1/2"		
	329-211		2"		
329-213	2-1/2"				
Hex Nut	155-413	1/4"-28	100	B149	
	155-414	5/16"-24			
	155-415	3/8"-24			
	155-417	1/2"-20			
155-417	25				
Name	Spaenaur No.	Compatible Bolt Size	Qty.	Page	
Flat Washer	656-400	1/4"	100	B149	
	656-401	5/16"			
	656-402	3/8"			
	656-404	1/2"			