

Inch

Internal / External Tooth Lockwashers

Pouce

Rondelles freins à dents intérieures / extérieures

ASSORTIMENT 4640-S
ASSORTIMENT

Tooth Lockwashers
Steel, Zinc Plated

30 VARIETIES - 877 PIECES

Furnished in a Regular Size grey enamelled steel drawer with hinged lid and scooped bins. Drawer will fit Slide Racks shown on page A2

Shipping Weight: **2.6 kg** (5.75 lbs.)



Name	Spaenaur No.	Screw / Bolt Size	Outer Diameter	Thickness	Qty.	Page
External Tooth Flat	42-SN	#4	0.260" - 0.245"	0.019" - 0.015"	25	D30
	43-SN	#6	0.320" - 0.305"	0.022" - 0.016"	35	
	44-SN	#8	0.381" - 0.365"	0.023" - 0.018"		
	671-W04-1W	#10	0.410" - 0.395"	0.025" - 0.020"		
	145	1/4"	0.510" - 0.494"	0.028" - 0.023"	25	
	47-SN	5/16"	0.588" - 0.610"	0.034" - 0.028"		
	49-SN	3/8"	0.694" - 0.670"	0.040" - 0.032"	20	
	1351	7/16"	0.760" - 0.740"			
	1352	1/2"	0.900" - 0.880"	0.045" - 0.037"	15	
	1349	9/16"	0.985" - 0.960"			
1481	5/8"	1.070" - 1.045"	0.055" - 0.047"	12		
51-SN	3/4"	1.260" - 1.220"				
External Tooth - Countersunk	1063	#6	0.300" - 0.285"	0.018"	35	D30
	671-W02-1T	#8	0.353" - 0.337"			
	888	#10	0.370" - 0.353"	0.022"	30	
	671-W05-1M	#12	0.430" - 0.410"			
	1072	1/4"	0.513" - 0.487"			
	1066	9/32"	0.543" - 0.523"	0.025"	25	
	901	5/16"	0.625" - 0.603"			
58-SN	3/8"	0.801" - 0.776"	0.032"	20		
W-335	7/16"	0.890" - 0.863"	0.035"	10		
Internal Tooth Flat	671-W09-1Y	#4	0.270" - 0.255"	0.019" - 0.015"	25	D30
	671-W07-1X	#6	0.285" - 0.275"	0.021" - 0.017"	35	
	671-W11-1Y	#8	0.340" - 0.325"	0.023" - 0.018"		
	671-W03-1K	#10	0.381" - 0.365"	0.025" - 0.020"		
	1741	#12	0.410" - 0.394"	0.028" - 0.023"	25	
	788	1/4"	0.478" - 0.460"			
	55-SN	5/16"	0.610" - 0.594"	0.034" - 0.028"	20	
	671-W12-1C	3/8"	0.692" - 0.670"			
57-SN	7/16"	0.789" - 0.740"	0.040" - 0.032"	20		

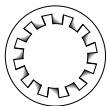
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ASSORTIMENT 805-529
ASSORTIMENT

Tooth Lockwashers

410 Stainless Steel

18 VARIETIES - 1050 PIECES



Spaenaur No.	Screw / Bolt Size	Outer Diameter	Thickness	Qty.	Page
External Tooth Flat					
675-A01-2A	#4	0.260"-0.245"	0.019"-0.015"	100	D30
W-2047	#6	0.320"-0.305"	0.022"-0.016"		
675-A03-2Y	#8	0.381"-0.365"	0.023"-0.018"		
675-A08-1W	#10	0.410"-0.395"	0.025"-0.020"	30	D30
675-A09-1M	#12	0.475"-0.460"	0.028"-0.023"		
675-A10-1W	1/4"	0.510"-0.494"	0.040"-0.032"	25	D30
W-2053	3/8"	0.694"-0.670"			
W-2055	1/2"	0.900"-0.880"	0.045"-0.037"	20	D30
W-2056	5/8"	1.071"-1.045"	0.050"-0.042"		
Internal Tooth Flat					
675-A02-2N	#4	0.270"-0.255"	0.019"-0.015"	100	D30
675-A05-1N	#6	0.285"-0.275"	0.021"-0.017"		
675-A06-1T	#8	0.340"-0.325"	0.023"-0.018"		
W-2062	#10	0.381"-0.365"	0.025"-0.020"	50	D30
W-2063	#12	0.410"-0.394"			
W-2064	1/4"	0.478"-0.460"	0.028"-0.023"	25	D30
675-A07-1K	3/8"	0.692"-0.670"	0.040"-0.032"		
W-2067	1/2"	0.900"-0.867"	0.045"-0.037"	15	D30
675-001	3/4"	1.245"-1.220"	0.055"-0.047"	10	D30

CATALOG 14

SPAENAUR

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Internal / External Tooth Lockwashers

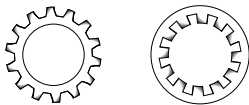
Inch and Metric

Rondelles freins à dents intérieures / extérieures

Pouce et Métrique

ASSORTMENT 805-533
ASSORTIMENT

TOOTH LOCKWASHERS
PHOSPHOR BRONZE
16 VARIETIES - 1000 PIECES



Furnished in a Regular Size grey enamelled steel drawer with hinged lid and scooped bins. Drawer will fit Slide Racks shown on page A2

Shipping Weight **2.04 kg** (4-1/2 lbs.)

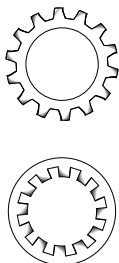
Spaenaur No.	Screw / Bolt Size	Outer Diameter	Thickness	Qty.	Page
External Tooth Flat					
W-545	#4	0.260" - 0.245"	0.019" - 0.015"	100	D30
673-A03-1N	#6	0.320" - 0.305"	0.022" - 0.016"		
W-547	#8	0.381" - 0.365"	0.023" - 0.018"		
W-548	#10	0.410" - 0.395"	0.025" - 0.020"	50	D30
673-A06-1W	1/4"	0.510" - 0.494"	0.028" - 0.023"		
Internal Tooth Flat					
W-550	#4	0.270" - 0.255"	0.019" - 0.015"	50	D30
W-571	#5	0.280" - 0.245"	0.021" - 0.017"		
W-541	#6	0.285" - 0.275"	0.023" - 0.018"	100	
W-542	#8	0.340" - 0.325"			
673-A01-1Y	#10	0.381" - 0.365"	0.025" - 0.020"	50	
W-572	#12	0.410" - 0.394"			
W-544	1/4"	0.478" - 0.460"	0.028" - 0.023"	20	
673-A05-1K	3/8"	0.692" - 0.670"	0.040" - 0.032"		
W-576	1/2"	0.900" - 0.867"	0.045" - 0.037"	10	
W-578	5/8"	1.071" - 1.045"	0.050" - 0.042"		
W-579	3/4"	1.245" - 1.220"	0.055" - 0.047"		

PLASTIKIT 1706
«PLASTIKIT»

TOOTH LOCKWASHER
STEEL ZINC PLATED
19 VARIETIES - 175 PIECES

Put up in a clear durable plastic container with hinged lid.

Size: 1" x 2-3/4" x 4-1/2"



Spaenaur No.	Screw / Bolt Size	Outer Diameter	Thickness	Qty.	Page
External Tooth Flat					
671-W04-1W	#10	0.410" - 0.395"	0.025" - 0.020"	15	D30
145-A	#12	0.475" - 0.460"	0.028" - 0.023"	20	
145	1/4"	0.510" - 0.494"			
47-SN	5/16"	0.588" - 0.610"	0.034" - 0.028"	25	
49-SN	3/8"	0.694" - 0.670"	0.040" - 0.032"	10	
1351	7/16"	0.760" - 0.740"			
1352	1/2"	0.900" - 0.880"	0.045" - 0.037"	5	
1349	9/16"	0.985" - 0.960"			
1481	5/8"	1.070" - 1.045"	0.050" - 0.042"	3	
51-SN	3/4"	1.260" - 1.220"	0.055" - 0.047"	2	
Internal Tooth Flat					
671-W03-1K	#10	0.381" - 0.365"	0.025" - 0.020"	15	D30
1741	#12	0.410" - 0.394"			
788	1/4"	0.478" - 0.460"	0.028" - 0.023"	10	
55-SN	5/16"	0.610" - 0.594"	0.034" - 0.028"	5	
671-W12-1C	3/8"	0.692" - 0.670"	0.040" - 0.032"	4	
57-SN	7/16"	0.789" - 0.740"			
671-W01-1N	1/2"	0.867" - 0.900"	0.045" - 0.037"	2	
B-404	5/8"	1.071" - 1.045"	0.050" - 0.042"		
B-405	3/4"	1.245" - 1.220"	0.055" - 0.047"		

ASSORTMENT 805-437A
ASSORTIMENT

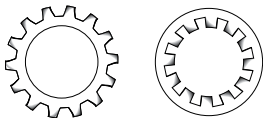
DIN 6797A EXTERNAL TOOTH
DIN 6797J INTERNAL TOOTH

Metric TOOTH LOCKWASHERS - FLAT
STEEL, Zinc Plated

24 VARIETIES - 850 PIECES

Furnished in a Regular Size grey enamelled steel drawer, with hinged lid and scoop bins. Drawer will fit Slide Racks shown on page A2

Shipping Wt: **2.72 kg** (6 lbs.)



Name	Spaenaur No.	Screw / Bolt Size	Inner Diameter	Outer Diameter	Thickness	Qty.	Page
External Tooth Flat Lockwasher	672-020ZP	M3	3.2mm	6.0mm	0.4mm	40	D32
	672-030ZP	M3.5	3.7mm	7.0mm	0.5mm		
	672-021ZP	M4	4.3mm	8.0mm			
	672-022ZP	M5	5.3mm	10.0mm	0.6mm		
	672-023ZP	M6	6.4mm	11.0mm	0.7mm	35	
	672-039YZ	M7	7.4mm	12.5mm	0.8mm		
	672-024ZP	M8	8.4mm	15.0mm			
	672-025ZP	M10	10.5mm	18.0mm	0.9mm	30	
	672-026ZP	M12	12.5mm	20.5mm	1.0mm		
	672-027ZP	M14	14.5mm	24.0mm	1.2mm	25	
	672-028ZP	M16	16.5mm	26.0mm			
	672-032ZP	M18	19.0mm	30.0mm	1.4mm		
	672-033ZP	M20	21.0mm	33.0mm			
	Internal Tooth Flat Lockwasher	672-K03-1T	M3	3.2mm	6.0mm	0.4mm	
672-012ZP		M3.5	3.7mm	7.0mm	0.5mm		
672-K02-1N		M4	4.3mm	8.0mm			
672-003ZP		M5	5.3mm	10.0mm	0.6mm		
672-004ZP		M6	6.4mm	11.0mm	0.7mm	35	
672-005ZP		M8	8.4mm	15.0mm	0.8mm		
672-006ZP		M10	10.5mm	18.0mm	0.9mm		
672-007ZP		M12	13.0mm	20.5mm	1.0mm		
672-008ZP		M14	14.5mm	24.0mm			
672-009ZP		M16	16.5mm	26.0mm	1.2mm	30	
672-014ZP	M18	19.0mm	30.0mm	1.4mm	25		

Metric

Métrique

Internal / External Tooth Lockwashers

Rondelles freins à dents intérieures / extérieures

ASSORTMENT
ASSORTIMENT **805-451**

DIN 6797A
EXTERNAL
TOOTH

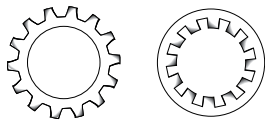
DIN 6797J
INTERNAL
TOOTH

METRIC TOOTH
LOCKWASHERS - FLAT
A2 STAINLESS STEEL

24 VARIETIES - 850 PIECES

Furnished in a Regular Size grey enamelled steel drawer with hinged lid and scoop bins. Drawer will fit Slide Racks shown on page A2.

Shipping Wt. **2.95 kg** (6-1/2 lbs.)



Name	Spenaaur No.	Compatible Bolt Size	Inner Diameter	Outer Diameter	Thickness	Qty.	Page
Flat Washer with External Tooth	676-003	M3	3.2mm	6.0mm	0.4mm	40	D32
	676-004	M3.5	3.7mm	7.0mm	0.5mm		
	676-005	M4	4.3mm	8.0mm	0.6mm		
	676-006	M5	5.3mm	10.0mm	0.7mm		
	676-007	M6	6.4mm	11.0mm	0.8mm	35	
	676-009	M8	8.4mm	15.0mm	0.9mm		
	676-010	M10	10.5mm	18.0mm	1.0mm		
	676-011	M12	12.5mm	20.5mm	1.2mm	25	
	676-012	M15	14.5mm	24.0mm	1.4mm		
	676-013	M16	16.5mm	26.0mm	1.4mm	35	
	676-014	M18	19.0mm	30.0mm	1.4mm		
676-015	M20	21.0mm	33.0mm	1.4mm			
Flat Washer with Internal Tooth	676-F01-1N	M3	3.2mm	6.0mm	0.4mm		40
	676-021	M3.5	3.7mm	7.0mm	0.5mm		
	676-022	M4	4.3mm	8.0mm	0.6mm		
	676-023	M5	5.3mm	10.0mm	0.7mm		
	676-024	M6	6.4mm	11.0mm	0.8mm	35	
	676-026	M8	8.4mm	15.0mm	0.9mm		
	676-027	M10	10.5mm	18.0mm	1.0mm		
	676-028	M12	13.0mm	20.5mm	1.2mm	30	
	676-029	M14	14.5mm	24.0mm	1.2mm		
	676-030	M16	16.5mm	26.0mm	1.4mm	25	
	676-031	M18	19.0mm	30.0mm	1.4mm		
676-032	M20	21.0mm	33.0mm	1.4mm			

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ASSORTMENT
ASSORTIMENT **805-438**

DIN 6798A
EXTERNAL
TOOTH

DIN 6798J
INTERNAL
TOOTH

METRIC
OVERLAP TOOTH LOCKWASHERS - FLAT
SPRING STEEL, Zinc Plated

24 VARIETIES - 730 PIECES

Furnished in a grey enamelled steel drawer, REGULAR SIZE with hinged lid and scoop bins. Drawer will fit Slide Racks shown on page A2.

Shipping Weight: **2.72 kg** (6 lbs.)



Name	Spenaaur No.	Compatible Bolt Size	Inner Diameter	Outer Diameter	Thickness	Qty.	Page
Flat Lockwasher With External Tooth	672-052ZP	M3	3.2mm	6.0mm	0.4mm	40	D33
	672-053ZP	M3.5	3.7mm	7.0mm	0.5mm		
	672-054ZP	M4	4.3mm	8.0mm	0.6mm		
	672-K08-1A	M5	5.3mm	10.0mm	0.7mm		
	672-056ZP	M6	6.4mm	11.0mm	0.8mm	35	
	672-057ZP	M8	8.4mm	15.0mm	0.9mm	30	
	672-058ZP	M10	10.5mm	18.0mm	1.0mm		
	672-059ZP	M12	12.5mm	20.5mm	1.2mm	25	
	672-060ZP	M14	14.5mm	24.0mm	1.4mm		
	672-061ZP	M16	16.5mm	26.0mm	1.4mm	20	
	672-062ZP	M18	19.0mm	30.0mm	1.4mm	15	
Flat Lockwasher With Internal Tooth	672-068ZP	M3	3.2mm	6.0mm	0.4mm	40	D33
	672-069ZP	M3.5	3.7mm	7.0mm	0.5mm		
	672-070ZP	M4	4.3mm	8.0mm	0.6mm		
	672-071ZP	M5	5.3mm	10.0mm	0.7mm		
	672-072ZP	M6	6.4mm	11.0mm	0.8mm	30	
	672-073ZP	M8	8.4mm	15.0mm	0.9mm	25	
	672-074ZP	M10	10.5mm	18.0mm	1.0mm		
	672-075ZP	M12	12.5mm	20.5mm	1.2mm	20	
	672-076ZP	M14	14.5mm	24.0mm	1.2mm		
	672-077ZP	M16	16.5mm	26.0mm	1.4mm	15	
	672-078ZP	M18	19.0mm	30.0mm	1.4mm		
672-079ZP	M20	21.0mm	33.0mm	1.4mm			

CATALOG 14

SPAENAUR

Overlap Tooth Lockwashers / Nord-Lock® Vibration Proof Fasteners

Inch and **Metric**

Rondelles freins à chevauchement dentées / Attaches à l'épreuve des vibrations Nord-Lock®

Pouce et **Métrique**

ASSORTMENT
ASSORTIMENT **805-470**

DIN 6798A
EXTERNAL
TOOTH

DIN 6798J
INTERNAL
TOOTH

Furnished in a Regular Size grey enamelled steel drawer with hinged lid and scoop bins. Drawer will fit Slide Racks shown on page A2.



METRIC

OVERLAP TOOTH LOCKWASHERS - FLAT

A2 STAINLESS STEEL

22 VARIETIES - 760 PIECES

Name	Spenaaur No.	Compatible Bolt Size	Inner Diameter	Outer Diameter	Thickness	Qty.	Page
Flat Lockwasher With External Tooth	676-035	M2	2.2mm	4.5mm	0.3mm	40	D33
	676-036	M2.5	2.7mm	5.5mm	0.4mm		
	676-037	M3	3.2mm	6.0mm	0.5mm		
	676-039	M4	4.3mm	8.0mm	0.6mm		
	676-040	M5	5.3mm	10.0mm	0.7mm	35	
	676-041	M6	6.4mm	11.0mm	0.8mm		
	676-043	M8	8.4mm	15.0mm	0.9mm	30	
	676-044	M10	10.5mm	18.0mm	1.0mm		
	676-045	M12	12.5mm	20.5mm	1.2mm	25	
	676-046	M14	14.5mm	24.0mm	1.2mm		
Flat Lockwasher With Internal Tooth	676-052	M2	2.2mm	4.5mm	0.3mm	40	
	676-053	M2.5	2.7mm	5.5mm	0.4mm		
	676-F02-1T	M3	3.2mm	6.0mm	0.6mm		
	676-057	M5	5.3mm	10.0mm	0.7mm		
	676-058	M6	6.4mm	11.0mm	0.8mm	35	
	676-060	M8	8.4mm	15.0mm	0.9mm		
	676-061	M10	10.5mm	18.0mm	1.0mm	30	
	676-062	M12	12.5mm	20.5mm	1.2mm		
	676-063	M14	14.5mm	24.0mm	1.2mm	25	
	676-064	M16	16.5mm	26.0mm	1.2mm		

ASSORTMENT
ASSORTIMENT **805-516C**

Regular Size welded steel drawer has hinged lid and is finished in grey enamel. Fits into Slide Racks shown on page A2.

Shipping Wt. **3.74 kg** (8-1/4 lbs.)



INCH AND METRIC NORD-LOCK® VIBRATION PROOF FASTENERS

Zinc Plated Steel

14 SIZES - 361 GLUED PAIRS



Name	Spenaaur No.	Compatible Bolt Size	Inner Diameter	Outer Diameter	Pair Thickness	Qty.	Page		
Lockwasher (Inch)	677-A61-1G	#10	5.4mm	9.0mm	1.8mm	50	D36		
	677-A68-1Z	3/8"	0.406"	0.654"	0.098"	25			
	677-A70-1Z	7/16"	0.449"	0.728"		0.134"		15	
	677-A59-1G	1"	1.098"	1.535"	2.5mm			25	
Lockwasher (Metric)	677-A66-1P	M6	6.5mm	10.8mm		1.8mm			50
	677-A67-1Y	M8	8.7mm	13.5mm					
	677-A86-1W	M12	13.0mm	19.5mm	3.4mm	15			
	677-A73-1G	M14	15.2mm	30.7mm					
	677-A75-1M	M16	17.0mm	25.4mm	6.6mm	2			
	677-A83-1S	M20	21.4mm	30.7mm					
	677-A56-1Z	M22	23.4mm	34.5mm					
677-A82-1Z	M30	31.4mm	47.0mm	6.6mm	2				
677-A85-1G	M33	34.4mm	48.5mm						
677-A51-1M	M39	40.4mm	58.5mm						