

PLAIN STEEL WASHERS RONDELLES ORDINAIRES

- 143**
1 Lb.
Bare
- 144**
5 Lbs.
Bare
- 145**
100's
Bare
- 146**
1 Lb.
Plated
- 148**
100's
Plated

(U.S.S. Wrought Washers)

Papco® Flat Washers are free from burrs and have smooth, flat surfaces.



ORDER BY STOCK NUMBER

Standard Package: as indicated

Stock No.					100's Std. Pkg.	Bolt Size	Hole Dia.	Outside Dia.	Thickness	Approx. No. Per lb.
1 lb. Bare (454 g)	5 lbs. Bare (2.2 Kg)	100's Bare	1 lb Plated (454 g)	100's Plated						
143-010	144-010	145-010	146-010	148-010	100	3/16	1/4	9/16	3/64	294
143-014	144-014	145-014	146-014	148-014	100	1/4	5/16	3/4	1/16	162
143-016	144-016	145-016	146-016	148-016	100	5/16	3/8	7/8	1/16	96
143-018	144-018	145-018	146-018	148-018	100	3/8	7/16	1	5/64	75
143-020	144-020	145-020	146-020	148-020	50	7/16	1/2	1-1/4	3/32	38
143-022	144-022	145-022	146-022	148-022	50	1/2	9/16	1-3/8	7/64	27
149-016	144-023	145-023	146-023	148-023	25	9/16	5/8	1-1/2	7/64	23
143-023	144-024	145-024	146-024	148-024	25	5/8	11/16	1-3/4	9/64	13
143-024	144-026	145-026	146-026	148-026	20	3/4	13/16	2	9/64	9
143-026	144-028	145-028	146-028	148-028	20	7/8	15/16	2-1/4	5/32	7
143-028	144-030	145-030	146-030	148-030	20	1	1-1/16	2-1/2	5/32	6
143-030	144-032					1-1/8	1-3/16	2-3/4	5/32	5
	144-034					1-1/4	1-5/16	2-3/4	5/32	5
	144-037					1-1/2	1-9/16	3-1/4	11/64	3

UTILITY ASSORTMENT

No. 020-352

Contains 5.5 lbs of Plain Steel Washers in bolt sizes from 3/16" to 5/8". Each size in an individual compartment. Packed in a sturdy fibreboard container. All bright plated.

020-352



MASTER ASSORTMENT

No. 020-620

Contains over 1615 Plain Steel Washers 10 sizes from 1/8" to 3/4". Packed in a metal divided box with hinged lid, carrying handle, positive lock and illustrated label showing retail price codes. All bright plated.

020-620



For Super Service Assortment No. 020-804 of Plain Steel, S.A.E. and Lock Washers see page 95.

S.A.E. WASHERS RONDELLES S.A.E.



S.A.E. Steel Washers are made from strip steel; have bright, smooth, flat surfaces; are highly polished and are free from burrs.

ORDER BY STOCK NUMBER

Standard Package: as indicated

Stock No.			100's Std. Pkg.	Bolt Size	Inside Dia.	Outside Dia.	Thickness	Approx. No. Per lb.
1 lb. Bare (454 g)	100's Bare	100's Plated						
149-008		154-006	100	# (1/8)	5/32	3/8	3/64	800
149-010		154-008	100	# 8	3/16	7/16	3/64	550
149-014	151-010	154-010	100	# 10 (3/16)	7/32	1/2	1/16	350
149-016	151-014	154-014	100	1/4	9/32	5/8	1/16	225
149-018	151-016	154-016	100	5/16	11/32	11/16	1/16	200
149-018	151-018	154-018	100	3/8	13/32	13/16	1/16	140
149-020	151-020	154-020	50	7/16	15/32	59/64	1/16	105
149-022	151-022	154-022	50	1/2	17/32	1-1/16	3/32	55
149-023	151-023	154-023	25	9/16	19/32	1-3/16	3/32	45
149-024	151-024	154-024	25	5/8	21/32	1-5/16	3/32	36
149-026	151-026	154-026	20	3/4	13/16	1-1/2	1/8	22
149-028	151-028	154-028	20	7/8	15/16	1-3/4	1/8	16
149-030	151-030	154-030	20	1	1-1/16	2	1/8	12

SMALL SIZE S.A.E. WASHERS GARAGE ASSORTMENT

No. 020-031

Contains 400 pieces, 6 sizes no. 2 to 1/4" dia. For Electrical, Radio and Electronic use. Packed in a transparent plastic box.

020-031



PLATED UTILITY ASSORTMENT

No. 020-341

Contains 370 S.A.E. Washers in sizes from 3/16" to 5/8". Each size is in an individual compartment in a sturdy fibreboard container.

020-341



PLATED MASTER ASSORTMENT

No. 020-619

Contains 1200 S.A.E. Washers, 12 sizes from 1/8" to 1". Packed in a metal, divided box with hinged lid, carrying handle, positive lock and illustrated lid label showing retail price codes.

020-619



For Super Service Assortment No. 020-804 of Plain Steel, S.A.E. and Lock Washers see page 95.

Size:
9-3/4" W x 13-3/4" L x 2" D

SPRING LOCK WASHERS RONDELLES RESSORT

High Carbon Spring Steel - Plain Type - Non-Linking

REGULAR LOCK WASHERS RONDELLES À RESSORT ORDINAIRES

155
100's
Bare

156
1000's
Bare

157
100's
Plated



Papco® Lock Washers provide a locking spring action against the tendency of threaded assemblies loosening due to vibration. They are made to specifications of the Society of Automotive Engineers (S.A.E.) and the current ANSI B27.1 standard. They are supplied in Regular, for Grade 2 bolts and low load applications; Extra Duty for Grade 5 or 8 bolts and high load applications; and Hi-Collar for Socket Head Cap Screws.

Standard Package: 100's - up to 1 - 100; 1-1/8 - 1-1/4 - 50; 1-1/2 - 25.
1000's - up to - 7/16 - 1000; 1/2 to 5/8 - 500; 3/4 - 250.

ORDER BY STOCK NUMBER

Stock No.			Bolt Size	Steel Section W x T	Stock No.			Bolt Size	Steel Section W x T
100's Bare	1000's Bare	100's Plated			100's Bare	1000's Bare	100's Plated		
155-006	156-006		No. 6 (1/8)	.047 x .031	155-023	156-023	157-023	9/16	.188 x .141
155-008	156-008		No. 8 (5/32)	.055 x .040	155-024	156-024	157-024	5/8	.203 x .156
155-010	156-010	157-010	No. 10 (3/16)	.062 x .047	155-026	156-026	157-026	3/4	.234 x .188
155-012	156-012	157-012	No. 12 (7/32)	.070 x .056	155-028		157-028	7/8	.266 x .219
155-014	156-014	157-014	1/4	.109 x .062	155-030		157-030	1"	.297 x .250
155-016	156-016	157-016	5/16	.125 x .078	155-032			1-1/8	.328 x .281
155-018	156-018	157-018	3/8	.141 x .094	155-034			1-1/4	.359 x .312
155-020	156-020	157-020	7/16	.156 x .109	155-036			1-3/8	.391 x .344
155-022	156-022	157-022	1/2	.171 x .125	155-038			1-1/2	.422 x .375

EXTRA DUTY LOCK WASHERS RONDELLES À RESSORT ROBUSTE

101
Series



Extra Duty, 4037 High Alloy Steel. For use with Grade 5 or 8 bolts and for high load applications. Mechanical Gold Zinc Dichromate Plated.

ORDER BY STOCK NUMBER

Stock No.	Bolt Size	Standard Package	Steel Section W x T	Stock No.	Bolt Size	Standard Package	Steel Section W x T
101-014	1/4	100	.109 x .062	101-026	3/4	40	.234 x .188
101-016	5/16	100	.125 x .078	101-028	7/8	40	.266 x .219
101-018	3/8	100	.141 x .094	101-030	1"	40	.297 x .250
101-020	7/16	100	.156 x .109	101-032	1-1/8	20	.411 x .375
101-022	1/2	50	.171 x .125	101-034	1-1/4	20	.452 x .417
101-023	9/16	50	.188 x .141	101-038	1-1/2	20	.526 x .496
101-024	5/8	50	.203 x .156				

HI-COLLAR LOCK WASHERS RONDELLES À RESSORT HAUTE

159
Series



High Carbon Spring Steel. For use with Socket Head Cap Screws.

ORDER BY STOCK NUMBER

Stock No.	Bolt Size	Standard Package	Steel Section W x T	Stock No.	Bolt Size	Standard Package	Steel Section W x T
159-014	1/4	100	.047 x .078	159-020	7/16	100	.090 x .140
159-016	5/16	100	.062 x .093	159-022	1/2	50	.103 x .172
159-018	3/8	100	.076 x .125	159-024	5/8	50	.125 x .203