

COTTER PINS

HAMMER LOCK

Plated
C 1008 Steel



METRIC COTTER PINS

Steel
DIN 94



PRODUCT NUMBER	SIZE	BOX QTY
391020	2mm x 18mm	100
391030	2mm x 20mm	100
391050	2.5mm x 25mm	100
391060	3.2mm x 20mm	100
391070	3mm x 25mm	100
391080	3mm x 30mm	100
391090	3mm x 35mm	50
391110	4mm x 30mm	50
391120	4mm x 35mm	50
391130	4mm x 40mm	50
391150	5mm x 35mm	25
391160	5mm x 40mm	25
391170	5mm x 45mm	25

PRODUCT NUMBER	SIZE	BOX QTY
390005	1/16 x 1/2"	200
390007	1/16 x 3/4"	200
390010	1/16 x 1"	200
390015	1/16 x 1-1/4"	200
390020	1/16 x 1-1/2"	200
390022	1/16 x 2"	200
390025	3/32 x 3/4"	200
390030	3/32 x 1"	200
390035	3/32 x 1-1/4"	200
390040	3/32 x 1-1/2"	200
390050	3/32 x 2"	200
390055	1/8 x 3/4"	200
390060	1/8 x 1"	200
390065	1/8 x 1-1/4"	200
390070	1/8 x 1-1/2"	200
390075	1/8 x 1-3/4"	200
390080	1/8 x 2"	200
390083	1/8 x 2-1/2"	200
390085	5/32 x 1"	100
390087	5/32 x 1-1/4"	100
390090	5/32 x 1-1/2"	100
390095	5/32 x 1-3/4"	100
390100	5/32 x 2"	100
390101	5/32 x 2-1/2"	100
390102	5/32 x 3"	100
390103	3/16 x 1"	100
390104	3/16 x 1-1/4"	100
390105	3/16 x 1-1/2"	100
390110	3/16 x 2"	100
390120	3/16 x 2-1/2"	100
390125	3/16 x 3"	100
390130	1/4 x 1-1/2"	100
390131	1/4 x 2"	100
390132	1/4 x 2-1/2"	100
390133	1/4 x 3"	100
390134	1/4 x 4"	100
390135	5/16 x 2-1/2"	100
390136	5/16 x 3"	100

HAIR PIN RETAINERS/RETAINER PINS

HAIR PIN RETAINERS



PRODUCT NUMBER	INSIDE DIAMETER	OVERALL LENGTH	BOX QTY
388010	1/32"	3/8"	100
388011	1/16"	23/64"	100
388012	5/64"	13/32"	100
388013	3/32"	3/8"	100
388015	3/32"	1/2"	100
388016	7/64"	1/2"	100
388017	1/8"	5/16"	100
388018	1/8"	31/64"	100
388019	1/8"	9/16"	100
388021	5/32"	31/64"	100
388022	5/32"	5/8"	100
388023	7/32"	3/4"	100
388024	9/32"	13/16"	100
388025	5/16"	1"	100
388026	3/8"	7/8"	100

RETAINER PINS Zinc

 387010 ID: 1/16" Overall Length 3/8" Box Qty. 50	 387020 ID: 1/16" Overall Length 19/32" Box Qty. 100	 387050 ID: 3/32" Overall Length 37/64" Box Qty. 100	 387060 ID: 7/64" Overall Length 3/4" Box Qty. 100	 387030 ID: 1/8" Overall Length 1/2" Box Qty. 100
 387040 ID: 1/8" Overall Length 9/16" Box Qty. 100	 387045 ID: 1/8" Overall Length 1-1/8" Box Qty. 100	 387070 ID: 5/32" Overall Length 7/8" Box Qty. 100	 387080 ID: 3/16" Overall Length 1-3/16" Box Qty. 100	 387090 Seat Retainer Pins Ford

SPRING PINS/THROTTLE ROD CLIPS

SPRING PINS

Zinc Plated



PRODUCT NUMBER	DIA x LENGTH	BOX QTY
386010	1/16" x 1/2"	50
386020	1/16" x 3/4"	50
386030	1/16" x 1"	50
386040	5/64" x 1/2"	50
386050	5/64" x 3/4"	50
386060	5/64" x 1"	50
386070	3/32" x 1/2"	50
386080	3/32" x 3/4"	50
386090	3/32" x 1"	50
386100	1/8" x 1/2"	50
386110	1/8" x 3/4"	50
386120	1/8" x 1"	50
386125	1/8" x 1-1/4"	50
386130	5/32" x 1/2"	50
386140	5/32" x 3/4"	50
386150	5/32" x 1"	50
386155	5/32" x 1-1/4"	50
386160	3/16" x 1/2"	50
386170	3/16" x 3/4"	50
386180	3/16" x 1"	50
386190	3/16" x 1-1/2"	50

THROTTLE ROD CLIPS

Black Parkerized



Left-hand Type



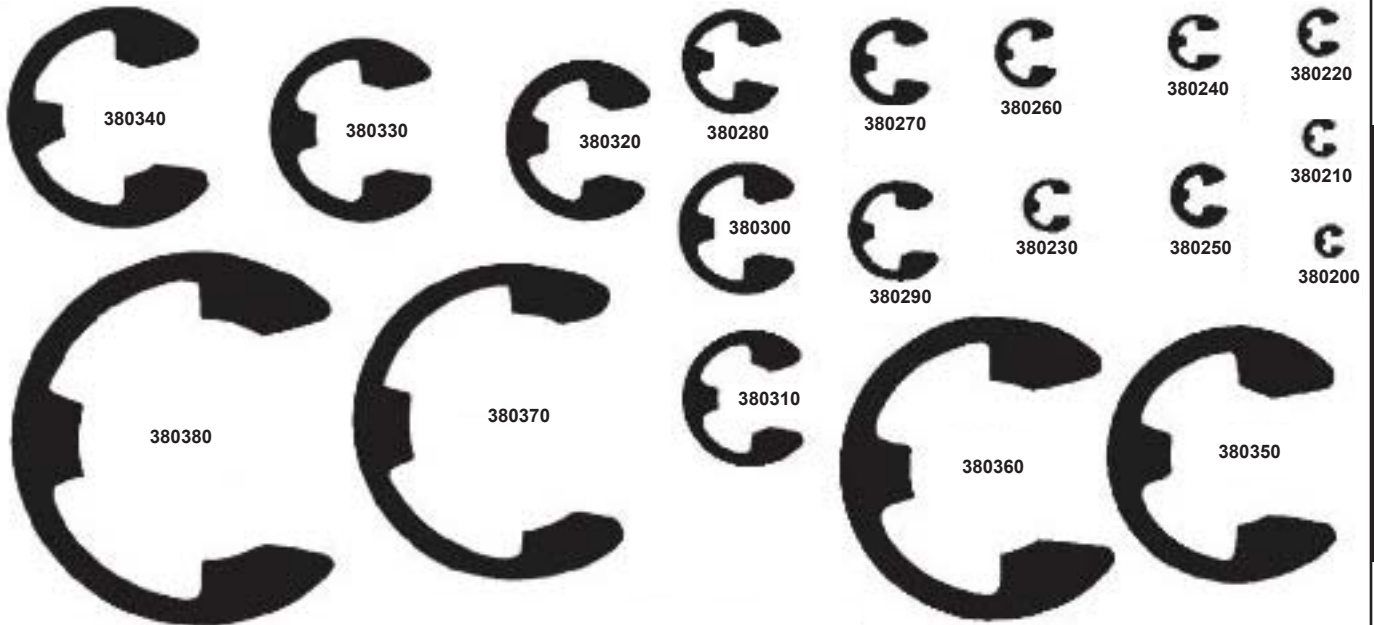
Right-hand Type

PRODUCT NUMBER	ROD DIA.	SIDE	BOX QTY
490030	3/32"	R	50
490050	5/32"	R	50
490060	5/32"	L	50
490070	3/16"	R	50
490080	3/16"	L	50
490090	1/4"	R	25
490100	1/4"	L	25

O.E.M. Throttle Rod Clips may be found in each Car Manufacturer's section.

E - CLIPS - STANDARD

Phosphate & Oil Finish
DIN 6799 - 1500



STANDARD

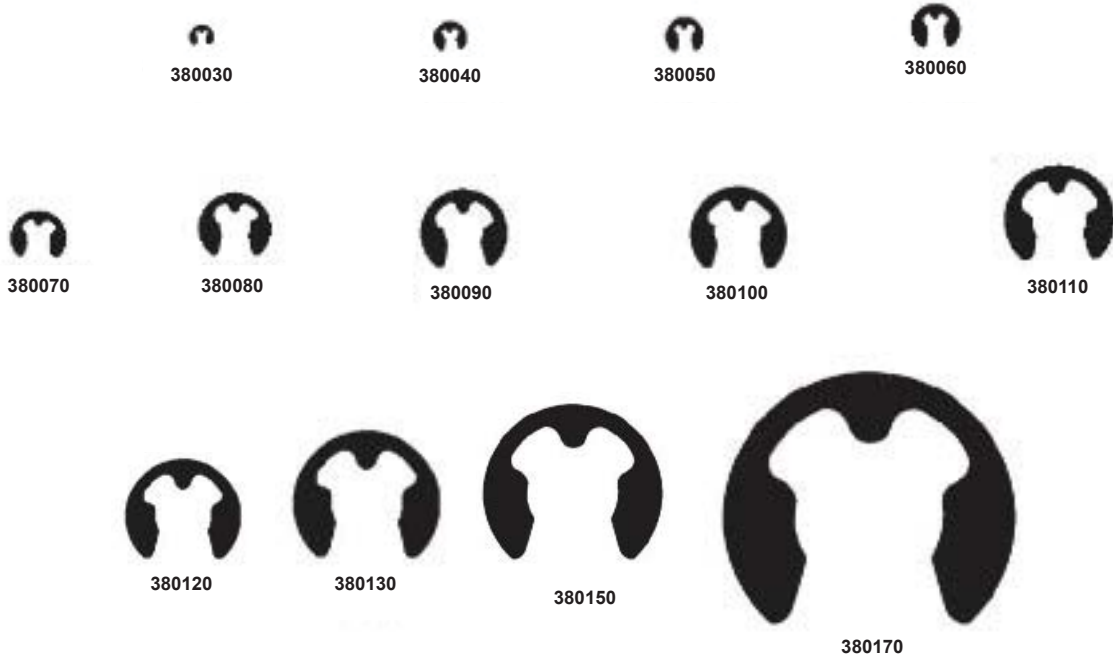
PRODUCT NUMBER	SHAFT DIA	GROOVE DIA	GROOVE WIDTH	BOX QTY
380200	1/16"	.052"	.012"	100
380210	3/32"	.074"	.018"	100
380220	1/8"	.095"	.018"	100
380230	9/64"	.105"	.018"	100
380240	5/32"	.116"	.029"	100
380250	11/64"	.127"	.029"	100
380260	3/16"	.147"	.029"	100
380270	7/32"	.188"	.029"	100
380280	1/4"	.210"	.029"	100
380290	5/16"	.250"	.029"	100
380300	3/8"	.303"	.039"	100
380310	7/16"	.343"	.039"	100
380320	1/2"	.396"	.046"	100
380330	5/8"	.485"	.046"	100
380340	3/4"	.580"	.056"	50
380350	7/8"	.675"	.056"	50
380360	1"	.835"	.056"	50
380370	1-3/16"	1.079"	.068"	50
380380	1-3/8"	1.230"	.068"	50

Also Available! **222028** Standard E-Clip Assortment
222027 Metric E-Clip Assortment

E-CLIPS

E - CLIPS - METRIC

Phosphate & Oil Finish
DIN 6799 - 1500



METRIC

PRODUCT NUMBER	SHAFT DIA		GROOVE DIA		GROOVE WIDTH		BOX QTY
	mm	inches	mm	inches	mm	inches	
380030	1.4	.055	1.2	.047	0.34	.0134	100
380040	2.0	.079	1.5	.059	0.44	.0173	100
380050	2.5	.098	1.9	.075	0.54	.0213	100
380060	3.0	.118	2.3	.091	0.64	.0252	100
380070	4.0	.157	3.2	.126	0.64	.0252	100
380080	5.0	.197	4.0	.157	0.74	.0291	100
380090	6.0	.236	5.0	.197	0.74	.0291	100
380100	7.0	.276	6.0	.236	0.74	.0291	100
380110	8.0	.315	7.0	.276	0.94	.0370	100
380120	9.0	.354	8.0	.315	1.05	.0413	100
380130	10.0	.394	9.0	.354	1.15	.0453	100
380150	13.0	.512	12.0	.472	1.35	.0531	100
380170	20.0	.787	19.0	.748	1.85	.0728	50

Also Available! **222028** Standard E-Clip Assortment
222027 Metric E-Clip Assortment

RETAINING RINGS

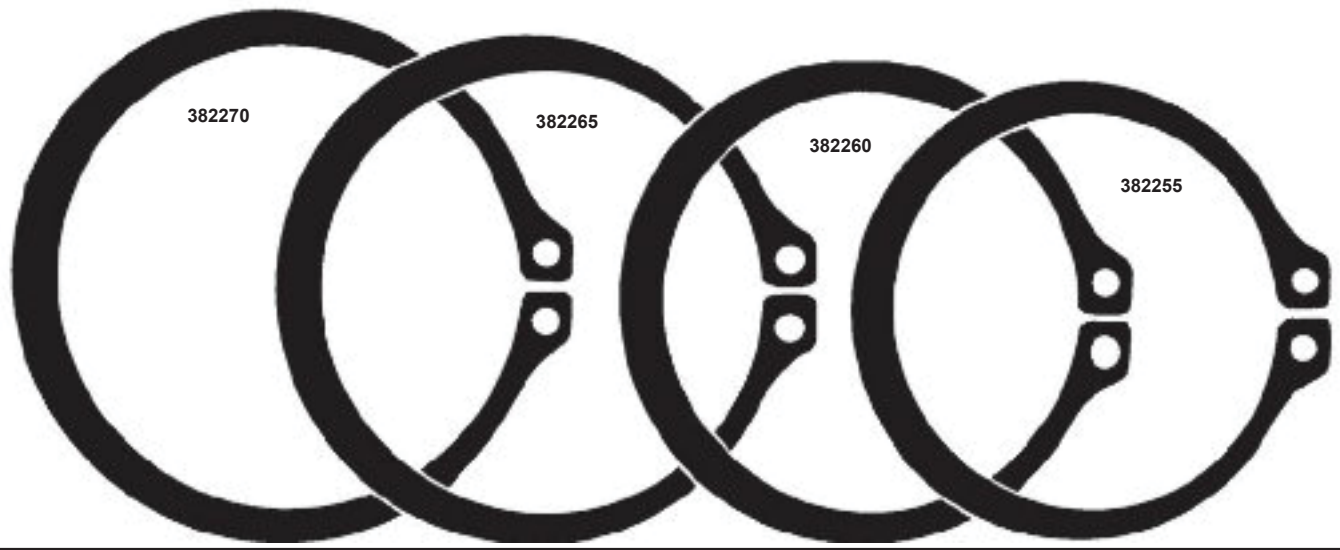
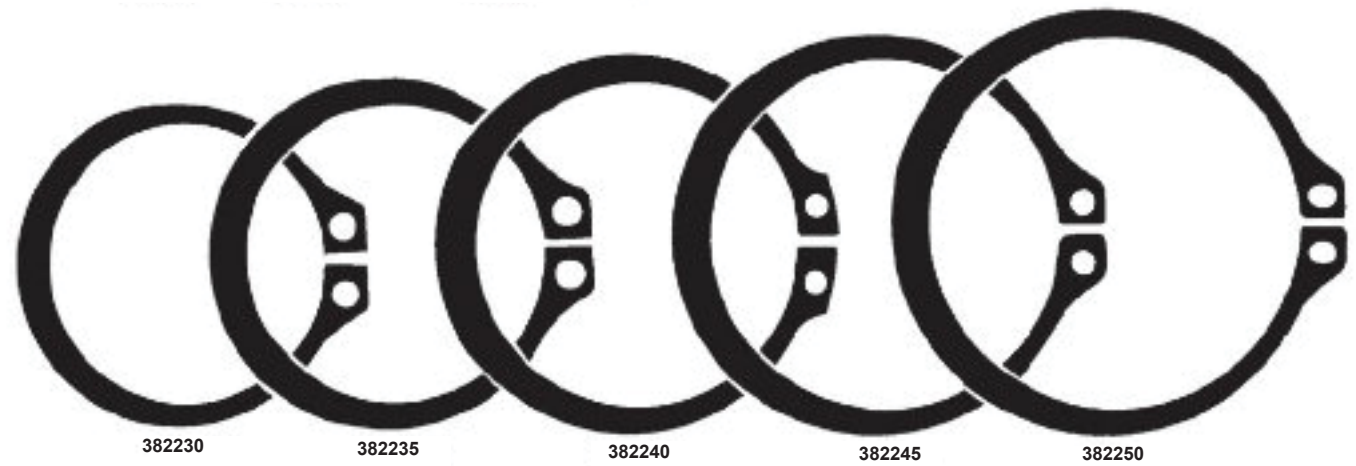
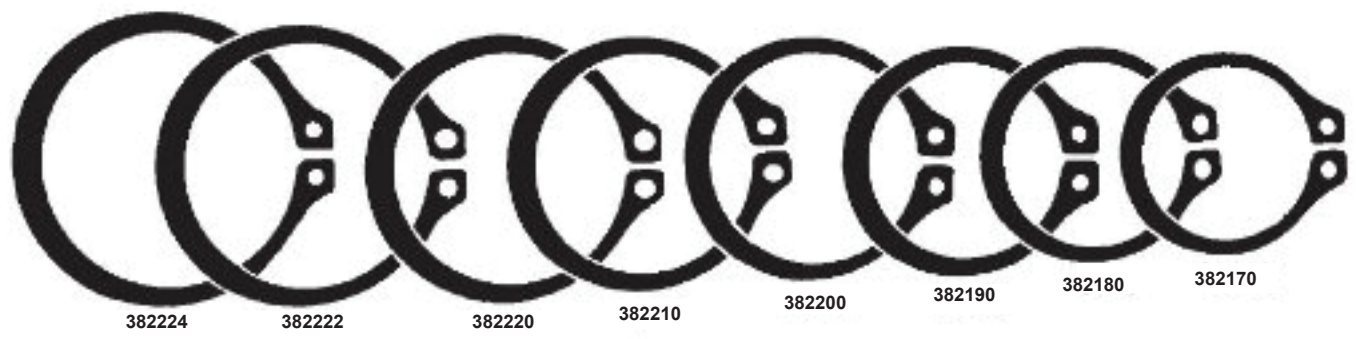
BASIC EXTERNAL
Groove Required On Shaft
Bright Zinc



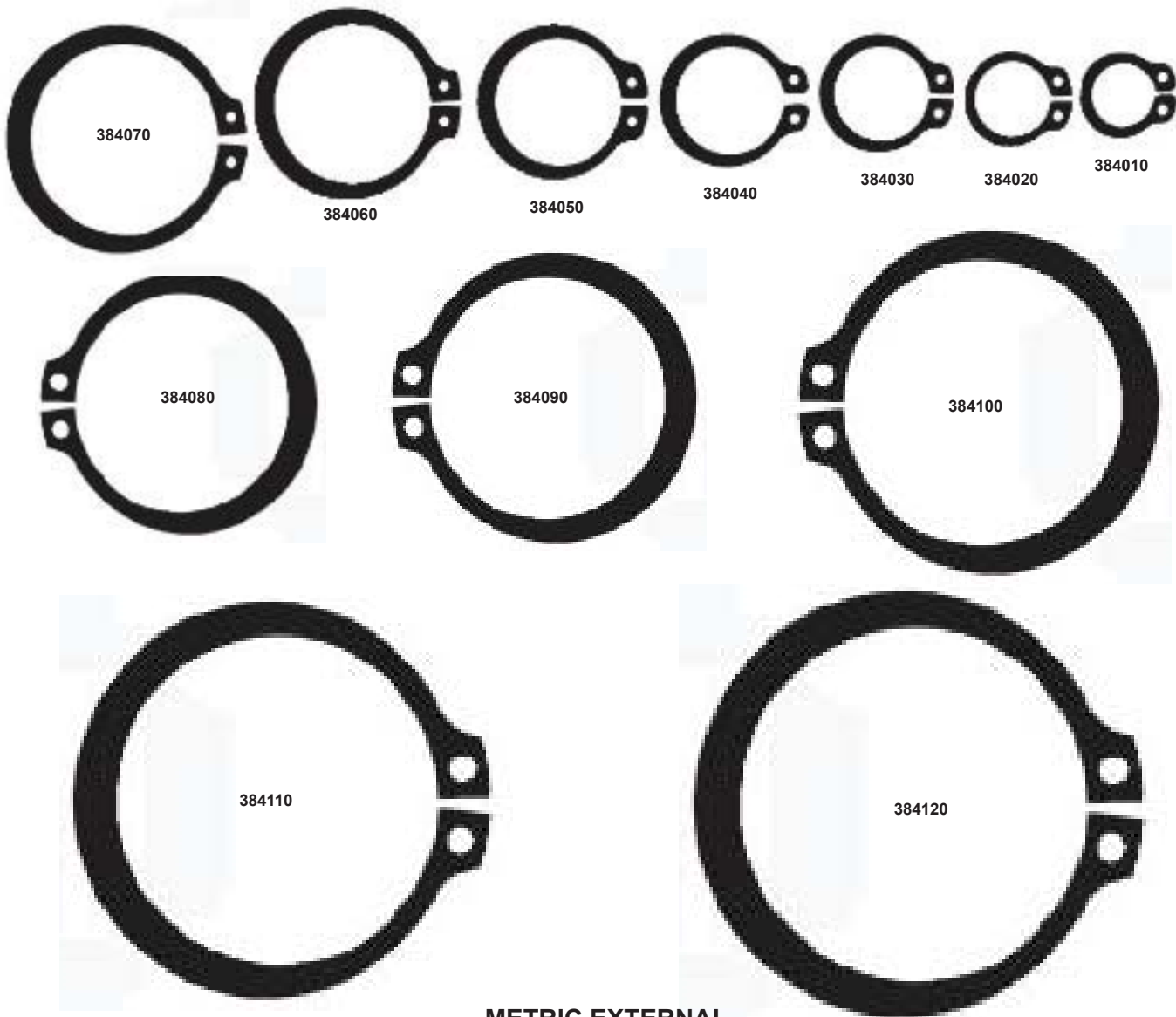
PRODUCT NUMBER	SHAFT DIA	GROOVE DIA	GROOVE WIDTH	BOX QTY
382010	1/8"	.117"	.012"	50
382020	1/4"	.230"	.029"	50
382030	9/32"	.261"	.029"	50
382040	5/16"	.290"	.029"	50
382050	11/32"	.321"	.029"	50
382060	3/8"	.352"	.029"	50
382070	13/32"	.381"	.029"	50
382080	7/16"	.412"	.029"	50
382090	1/2"	.468"	.039"	50
382100	9/16"	.530"	.039"	50
382110	19/32"	.559"	.039"	50
382120	5/8"	.588"	.039"	50
382130	11/16"	.646"	.046"	50
382140	3/4"	.704"	.046"	50
382150	13/16"	.762"	.046"	50
382160	7/8"	.821"	.046"	50
382170	15/16"	.882"	.046"	50
382180	1"	.940"	.046"	50
382190	1-1/16"	.998"	.056"	50
382200	1-1/8"	1.059"	.056"	50
382210	1-3/16"	1.118"	.056"	50
382220	1-1/4"	1.176"	.056"	50
382222	1-5/16"	1.232"	.056"	50
382224	1-3/8"	1.291"	.056"	50
382230	1-1/2"	1.406"	.056"	25
382235	1-5/8"	1.529"	.068"	25
382240	1-3/4"	1.65"	.068"	25
382245	1-7/8"	1.769"	.068"	25
382250	2"	1.88"	.068"	10
382255	2-1/8"	2.003"	.086"	10
382260	2-1/4"	2.12"	.086"	10
382265	2-3/8"	2.239"	.086"	10
382270	2-1/2"	2.36"	.086"	10

**See following page
for product illustrations.**

RETAINING RINGS



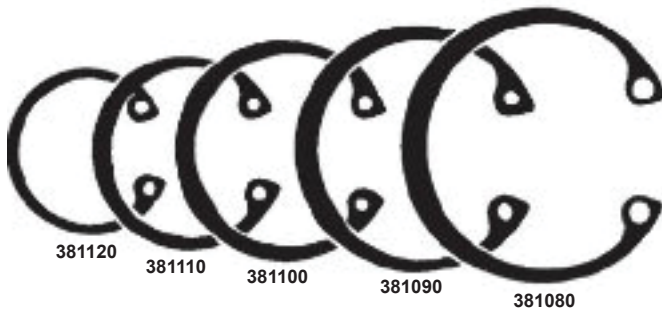
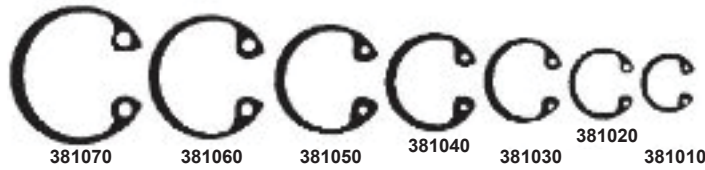
RETAINING RINGS



METRIC EXTERNAL
 Groove Required On Shaft
 Phosphate & Oil Finish
 DIN 471 - 1400

PRODUCT NUMBER	SHAFT DIA		GROOVE DIA		GROOVE WIDTH		BOX QTY
	mm	inches	mm	inches	mm	inches	
384010	10	.394	9.6	.378	1.10	.043	100
384020	12	.472	11.5	.452	1.10	.043	100
384030	15	.591	14.3	.563	1.10	.043	100
384040	17	.670	16.2	.637	1.10	.043	50
384050	20	.787	19.0	.748	1.30	.051	50
384060	25	.985	23.9	.941	1.30	.051	50
384070	30	1.182	28.6	1.126	1.60	.063	50
384080	35	1.378	33.0	1.299	1.60	.063	50
384090	40	1.575	37.5	1.476	1.85	.073	25
384100	50	1.969	47.0	1.850	2.15	.085	25
384110	55	2.165	52.0	2.047	2.15	.085	10
384120	60	2.362	57.0	2.244	2.15	.085	10

RETAINING RINGS

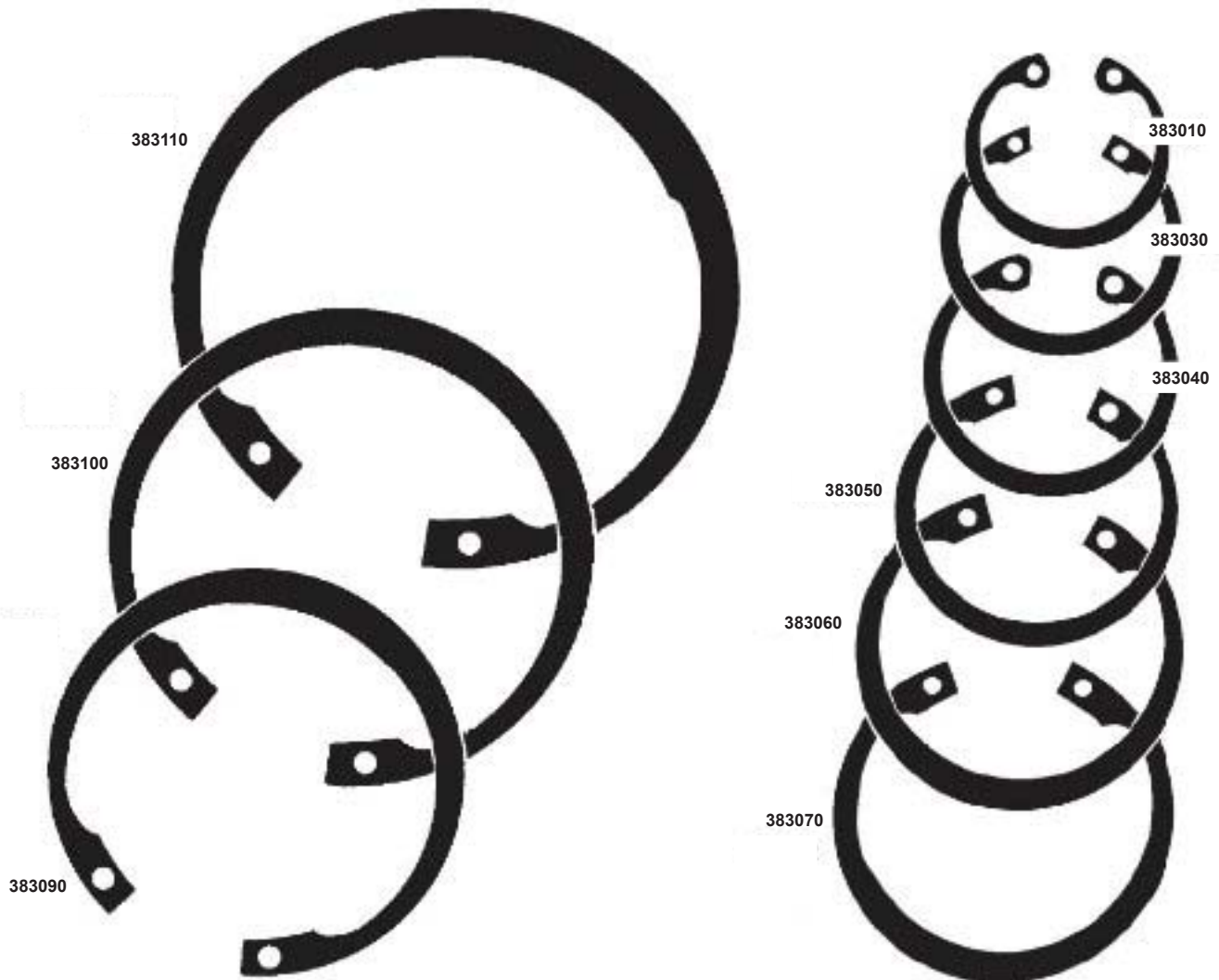


BASIC INTERNAL

Groove Required On Shaft
Bright Zinc

PRODUCT NUMBER	HOUSING DIA	GROOVE DIA	GROOVE WIDTH	BOX QTY
381010	1/4"	.268"	.020"	50
381020	5/16"	.330"	.020"	50
381030	3/8"	.397"	.029"	50
381040	7/16"	.461"	.029"	50
381050	1/2"	.530"	.039"	50
381060	9/16"	.596"	.039"	50
381070	5/8"	.665"	.039"	50
381080	3/4"	.796"	.039"	50
381090	7/8"	.931"	.046"	50
381100	1"	1.066"	.046"	50
381110	1-1/8"	1.197"	.056"	50
381120	1-1/4"	1.33"	.056"	50

RETAINING RINGS



METRIC INTERNAL

Phosphate & Oil Finish
Grove Required In Bore
DIN 472-1300

PRODUCT NUMBER	SHAFT DIA		GROOVE DIA		GROOVE WIDTH		BOX QTY
	mm	inches	mm	inches	mm	inches	
383010	26	1.024	27.2	1.072	1.30	.051	50
383020	28	1.102	29.4	1.157	1.30	.051	50
383030	30	1.181	31.4	1.237	1.30	.051	50
383040	32	1.260	33.7	1.328	1.30	.051	50
383050	35	1.378	37.0	1.457	1.60	.063	50
383060	40	1.575	42.5	1.675	1.85	.073	25
383070	42	1.654	44.5	1.753	1.85	.073	25
383080	47	1.850	49.5	1.948	1.85	.073	25
383090	52	2.047	55.0	2.165	2.15	.085	25
383100	62	2.441	65.0	2.559	2.15	.085	10
383110	72	2.835	75.0	2.953	2.65	.104	10
383120	80	3.149	83.5	3.287	2.65	.104	5
383130	90	3.543	93.5	3.681	3.15	.124	5

GREASE FITTINGS



45001
1/4 - 28
Straight
Box Qty. 50



45002
1/4 - 28
45 Degrees
Box Qty. 50



45003
1/4 - 28
90 Degrees
Box Qty. 50



45004
1/8"
Straight
Box Qty. 50



45005
1/8"
45 Degrees
Box Qty. 50



45006
1/8"
90 Degrees
Box Qty. 50



45007
6mm
Straight
Box Qty. 50



45008
6mm
45 Degrees
Box Qty. 50



45009
6mm
90 Degrees
Box Qty. 50

4 Pins / Rings / Fittings

PIPE PLUGS, COMPRESSION UNION

COMPRESSION UNION

Brass



PRODUCT NUMBER	TUBE SIZE	BOX QTY
530010	.....1/8"	5
530020	.....3/16"	5
530030	.....1/4"	5
530040	.....5/16"	5
530050	.....3/8"	5
530060	.....1/2"	5

HEX PIPE PLUGS

Cold Rolled Steel
Plain Finish



PRODUCT NUMBER	OEM #	SIZE	BOX QTY
530070	..... 444613.....	1/8-27 Pipe Thread	.....25
530080	..... 444619, 444620.....	1/4-18 Pipe Thread	.....25