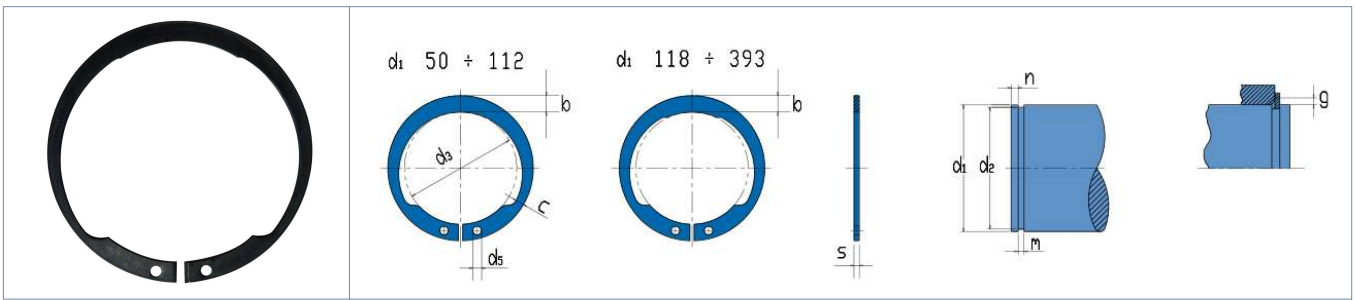


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ANELLI ELASTICI PER ALBERI RETAINING RINGS FOR SHAFTS

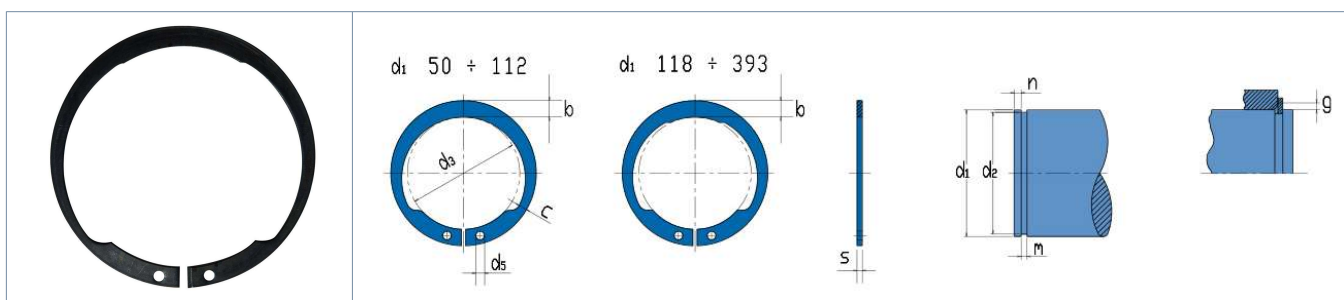


Dimensions in inch

SIZE		RING DIMENSIONS										GROOVE DIMENSIONS				SUPPLEMENTARY DATA					PLIERS				
Ring no.	d1	d1 frac.	s	tol	d3	tol	b	tol	c	tol	d5	tol	d2	tol	m	tol	n	FN	FR	g	FRg	nabl	lbs/1000	straight	bent
50	.500	1/2	.035	±.002	.461	+ .005 - .010	.080	±.004	.041	±.004	.042	+ .010 - .002	.468	±.002	.039	+ .003 - .000	.048	280	1.117	.032	.680	40.000	1.000	A0	A01
56	.562	9/16	.035	±.002	.521	+ .005 - .010	.088	±.004	.043	±.004	.042	+ .010 - .002	.530	±.002	.039	+ .003 - .000	.048	320	1.269	.036	.680	35.000	1.400	A0	A01
59	.594	19/32	.035	±.002	.550	+ .005 - .010	.092	±.004	.046	±.004	.042	+ .010 - .002	.559	±.003	.039	+ .003 - .000	.052	370	1.320	.037	.680	32.000	1.600	A0	A01
62	.625	5/8	.035	±.002	.579	+ .005 - .010	.096	±.004	.048	±.004	.042	+ .010 - .002	.588	±.003	.039	+ .003 - .000	.055	400	1.421	.039	.680	30.000	1.600	A0	A01
68	.688	11/16	.042	±.002	.635	+ .005 - .010	.104	±.005	.052	±.005	.042	+ .010 - .002	.646	±.003	.046	+ .003 - .000	.063	500	2.335	.042	1.000	28.000	2.500	A0	A01
75	.750	3/4	.042	±.002	.693	+ .005 - .010	.112	±.005	.056	±.005	.042	+ .010 - .002	.704	±.003	.046	+ .003 - .000	.069	600	2.538	.045	1.000	26.500	2.800	A0	A01
78	.781	25/32	.042	±.002	.722	+ .005 - .010	.116	±.005	.057	±.005	.042	+ .010 - .002	.733	±.003	.046	+ .003 - .000	.072	650	2.639	.046	1.000	25.500	3.100	A0	A01
81	.812	13/16	.042	±.002	.751	+ .005 - .010	.120	±.005	.060	±.005	.050	+ .010 - .002	.762	±.003	.046	+ .003 - .000	.075	700	2.690	.048	1.000	24.500	3.300	A0	A01
87	.875	7/8	.042	±.002	.810	+ .005 - .010	.128	±.005	.064	±.005	.050	+ .010 - .002	.821	±.003	.046	+ .003 - .000	.081	850	2.893	.051	1.000	23.000	3.800	A0	A01
93	.938	15/16	.042	±.002	.867	+ .005 - .010	.136	±.005	.068	±.005	.050	+ .010 - .002	.882	±.003	.046	+ .003 - .000	.084	900	3.147	.054	1.000	21.500	4.500	A0	A01
100	.984	61/62	.042	±.002	.925	+ .005 - .010	.144	±.005	.072	±.005	.050	+ .010 - .002	.926	±.003	.046	+ .003 - .000	.087	1.000	3.350	.057	1.000	20.000	4.800	A0	A01
100	1.000	1	.042	±.002	.925	+ .010 - .015	.144	±.005	.072	±.006	.050	+ .010 - .002	.940	±.004	.046	+ .003 - .000	.090	1.050	3.350	.057	1.000	20.000	4.800	A0	A01
106	1.062	1-1/16	.050	±.002	.982	+ .010 - .015	.147	±.006	.073	±.006	.078	+ .015 - .002	.998	±.004	.056	+ .004 - .000	.096	1.200	4.212	.058	1.460	19.000	6.200	A2	A21
112	1.125	1-1/8	.050	±.002	1.041	+ .010 - .015	.150	±.006	.075	±.006	.078	+ .015 - .002	1.059	±.004	.056	+ .004 - .000	.099	1.300	4.466	.059	1.460	18.800	6.700	A2	A21
118	1.188	1-3/16	.050	±.002	1.098	+ .010 - .015	.157	±.006	.076	±.006	.078	+ .015 - .002	1.118	±.004	.056	+ .004 - .000	.105	1.450	4.720	.059	1.460	18.000	7.200	A2	A21
125	1.250	1-1/4	.050	±.002	1.156	+ .010 - .015	.157	±.006	.079	±.006	.078	+ .015 - .002	1.176	±.004	.056	+ .004 - .000	.111	1.600	4.974	.060	1.460	17.000	7.600	A2	A21
131	1.312	1-5/16	.050	±.002	1.214	+ .010 - .015	.157	±.006	.080	±.006	.078	+ .015 - .002	1.232	±.004	.056	+ .004 - .000	.120	1.850	5.227	.061	1.460	16.500	8.200	A2	A21
137	1.375	1-3/8	.050	±.002	1.272	+ .010 - .015	.157	±.006	.082	±.006	.078	+ .015 - .002	1.291	±.004	.056	+ .004 - .000	.126	2.050	5.481	.061	1.460	16.000	8.400	A2	A21
143	1.438	1-7/16	.050	±.002	1.333	+ .010 - .015	.157	±.006	.085	±.006	.078	+ .015 - .002	1.350	±.004	.056	+ .004 - .000	.132	2.200	5.735	.063	1.460	15.000	9.100	A2	A21
150	1.500	1-1/2	.050	±.002	1.387	+ .010 - .015	.157	±.006	.086	±.006	.078	+ .015 - .002	1.406	±.004	.056	+ .004 - .000	.141	2.500	5.938	.063	1.460	14.800	9.800	A2	A21
156	1.562	1-9/16	.062	±.003	1.446	+ .013 - .020	.185	±.006	.089	±.006	.078	+ .015 - .002	1.468	±.005	.068	+ .004 - .000	.141	2.600	7.714	.066	2.250	14.000	12.900	A2	A21
162	1.625	1-5/8	.062	±.003	1.503	+ .013 - .020	.185	±.006	.092	±.006	.078	+ .015 - .002	1.529	±.005	.068	+ .004 - .000	.144	2.750	8.019	.067	2.250	13.200	13.400	A2	A21
177	1.750	1-3/4	.062	±.003	1.637	+ .013 - .020	.185	±.006	.098	±.006	.078	+ .015 - .002	1.650	±.005	.068	+ .004 - .000	.150	3.100	8.628	.073	2.250	11.700	16.100	A2	A21
177	1.772	-	.062	±.003	1.637	+ .013 - .020	.185	±.006	.098	±.006	.078	+ .015 - .002	1.669	±.005	.068	+ .004 - .000	.153	3.200	8.628	.073	2.250	11.700	16.100	A2	A21
181	1.812	1-13/16	.062	±.003	1.675	+ .013 - .020	.185	±.006	.100	±.006	.078	+ .015 - .002	1.708	±.005	.068	+ .004 - .000	.156	3.300	8.983	.074	2.250	11.500	17.300	A2	A21

2108-5108

ANELLI ELASTICI PER ALBERI RETAINING RINGS FOR SHAFTS



Dimensions in inch

SIZE		RING DIMENSIONS										GROOVE DIMENSIONS				SUPPLEMENTARY DATA					PLIERS				
Ring no.	d1	d1 frac.	s	tol	d3	tol	b	tol	c	tol	d5	tol	d2	tol	m	tol	n	FN	FR	g	FRg	nabl	lbs/1000	straight	bent
196	1,969	1-31/32	,062	±.003	1,819	+ .013 - .020	,212	±.006	,106	±.006	,108	+ .000 - .010	1,857	±.005	,068	+ .004 - .000	,168	3.900	9.693	,078	2.250	10.500	20.500	A3	A31
200	2,000	2	,062	±.003	1,850	+ .013 - .020	,216	±.006	,108	±.006	,108	+ .000 - .010	1,886	±.005	,068	+ .004 - .000	,171	4.000	9.896	,080	2.250	10.000	20.700	A3	A31
215	2,125	2-1/8	,078	±.003	1,993	+ .015 - .025	,228	±.007	,117	±.007	,108	+ .000 - .010	2,003	±.006	,086	+ .005 - .000	,183	4.550	13.195	,084	3.750	9.400	30.000	A3	A31
215	2,156	2-5/32	,078	±.003	1,993	+ .015 - .025	,228	±.007	,117	±.007	,108	+ .000 - .010	2,032	±.006	,086	+ .005 - .000	,186	4.700	13.195	,084	3.750	9.400	30.000	A3	A31
250	2,500	2-1/2	,078	±.003	2,313	+ .015 - .025	,248	±.007	,130	±.007	,120	+ .015 - .002	2,360	±.006	,086	+ .005 - .000	,210	6.200	15.530	,095	3.750	8.400	43.500	A3	A31
275	2,750	2-3/4	,093	±.003	2,543	+ .020 - .030	,295	±.007	,140	±.007	,120	+ .015 - .002	2,602	±.006	,103	+ .005 - .000	,222	7.200	20.402	,103	5.500	7.600	57.900	A3	A31
287	2,875	2-7/8	,093	±.003	2,659	+ .020 - .030	,295	±.007	,145	±.007	,120	+ .015 - .002	2,721	±.006	,103	+ .005 - .000	,231	7.800	21.315	,107	5.500	7.300	64.500	A3	A31
315	3,156	3-5/32	,093	±.003	2,920	+ .020 - .030	,295	±.008	,159	±.008	,120	+ .015 - .002	2,986	±.006	,103	+ .005 - .000	,255	9.400	23.447	,116	5.500	6.500	77.000	A3	A31
325	3,250	3-1/4	,093	±.003	3,006	+ .020 - .030	,295	±.008	,162	±.008	,120	+ .015 - .002	3,076	±.006	,103	+ .005 - .000	,261	10.000	24.056	,118	5.500	6.400	77.500	A3	A31
350	3,500	3-1/2	,109	±.003	3,237	+ .020 - .030	,366	±.008	,173	±.008	,125	+ .015 - .002	3,316	±.006	,120	+ .005 - .000	,276	11.500	30.349	,127	7.850	5.900	107.000	A3	A31
393	3,938	3-15/16	,109	±.003	3,642	+ .020 - .030	,366	±.008	,183	±.008	,125	+ .015 - .002	3,734	±.006	,120	+ .005 - .000	,306	14.000	34.206	,133	7.850	5.200	123.000	A3	A31

SYMBOLS

FN	load bearing capacity of the groove
FR	load bearing capacity of the mounted ring with sharp-cornered abutment
FRg	load bearing capacity of the mounted ring with chamfered abutment or corner radius of "g" mm
g	chamfering or rounding of the element opposite the ring
nabl	maximum acceptable speed rotation of the shaft (external rings)



Gli anelli elastici in pollici 2108-5108 sono elementi di sicurezza per alberi. Rispetto ai corrispondenti 2100-5100:

- hanno larghezza radiale inferiore;
- garantiscono un appoggio uniforme e concentrico rispetto all'asse dell'albero;
- prevedono una riduzione dei carichi ammissibili, data la particolare forma geometrica con la parte tranciata in appoggio nella sede.

MATERIALI
DUREZZA
FINITURE STANDARD
PACKAGING
INFORMAZIONI AGGIUNTIVE

Acciaio per molle SAE 1060 / EN 10132 - 1/4 (DIN 17222)
Da n. 50 a n. 112: nastro C60S (C60)

Acciaio per molle SAE 1074 / EN 10132 - 1/4 (DIN 17222)
Da n. 118 a n. 393: filo C75S (C75)

Da n. 50 a n. 81: scala 30N 66 ÷ 71 (HRC 47 ÷ 53)
Da n. 87 a n. 100: scala C 47 ÷ 53
Da n. 106 a n. 325: scala C 47 ÷ 52
Da n. 350 a n. 393: scala C 45 ÷ 50

fosfatati e oliati

Da n. 50 a n. 137: sciolti in scatola
Da n. 143 a n. 215: rollpack impilati - non allineati
Da n. 250 a n. 393: impilati in carta

Richieste speciali

Per materiali o finiture superficiali differenti invia la tua richiesta di offerta. Prezzi e quantitativi minimi da concordare.



Retaining rings 2108-5108 are safety elements for shafts in inch dimensions. Compared to the corresponding 2100-5100:

- they have smaller radial width;
- they guarantee uniform and concentric support with respect to the axis of the shaft;
- they can transmit lower axial loads because of their particular geometric shape, with the blanked side in the housing.

MATERIALS
HARDNESS
STANDARD FINISHES
PACKAGING
ADDITIONAL INFORMATION

Spring steel SAE 1060 / EN 10132 - 1/4 (DIN 17222)
From n. 50 to n. 112: strip C60S (C60)

Spring steel SAE 1074 / EN 10132 - 1/4 (DIN 17222)
From n. 118 to n. 393: wire C75S (C75)

From n. 50 to n. 81: scale 30N 66 ÷ 71 (HRC 47 ÷ 53)
From n. 87 to n. 100: scale C 47 ÷ 53
From n. 106 to n. 325: scale C 47 ÷ 52
From n. 350 to n. 393: scale C 45 ÷ 50

phosphated and oiled

From n. 50 to n. 137: loose in boxes
From n. 143 to n. 215: thermoplastic wrapped – non oriented
From n. 250 to n. 393: rolled in paper wrappers

Special requests

For different materials or surface finishes, please send your request. Price and minimum quantity to be established.