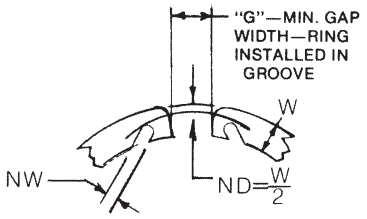
IN

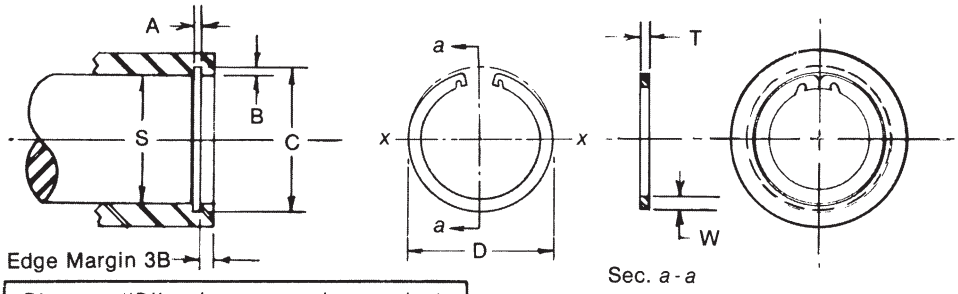
INTERNAL NOTCHED RINGS

Applicable Housing
1.750" to 3.625"

Standard Material
Carbon Spring Steel



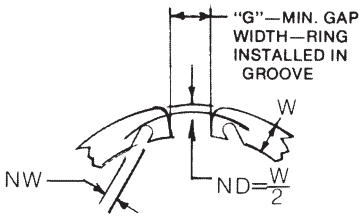
Notch Dimensions



Diameter "D" to be measured across horizontal centerline *x-x*

Material-Steel SAE 1060/1075
Hardness R/C 45-52

PART NUMBER	HOUSING DIAMETER S			RING FREE DIAMETER		RING WIRE SECTION		GROOVE DIA.		GROOVE WIDTH A	GROOVE NOM. DEPTH B	GAP G Min.	NOTCH DEPTH ND +.000 -.030	NOTCH WIDTH NW Ref.	THRUST LOAD LBS.
	Frac. inch	Dec. inch	mm	D inches	Tol. inches	W ±.005	T ±.002	C	Tol.						
IN175	1 3/4	1.750	44.45	1.878				1.858			.054				4100
IN181	1 13/16	1.812	46.02	1.942				1.922			.055	.370			4280
IN185	–	1.850	47.00	1.982		.156	.062	1.962	±.005	.068	.056		.078		4380
IN187	1 7/8	1.875	47.63	2.014				1.989		+.004 -.000	.057	.400			4650
IN193	1 15/16	1.938	49.20	2.081				2.056			.059				5000
IN200	2	2.000	50.80	2.147				2.122			.061	.420			5350
IN206	2 3/64	2.047	52.00	2.201	+.070			2.171			.062				6490
IN206	2 1/16	2.062	52.37	2.201	-.000			2.186				.450			6490
IN212	2 1/8	2.125	53.98	2.271				2.251			.063				6810
IN218	–	2.165	55.00	2.338		.171		2.295			.065	.430	.085		7240
IN218	2 3/16	2.188	55.55	2.338				2.318		.086		.470			7240
IN225	2 1/4	2.250	57.15	2.402			.078	2.382		+.005 -.000	.066	.450			7560
IN231	2 5/16	2.312	58.72	2.470				2.450			.069				8120
IN237	2 3/8	2.375	60.33	2.537				2.517			.071			.093	8580
IN244	–	2.440	61.98	2.604				2.584			.072	.470			8940
IN250	2 1/2	2.500	63.50	2.673				2.648			.074				9410
IN253	2 17/32	2.531	64.29	2.706				2.681			.075				9660
IN256	2 9/16	2.562	65.07	2.739				2.714			.076				9910
IN262	2 5/8	2.625	66.68	2.806		.188		2.781			.078	.530	.093		10420
IN268	–	2.677	68.00	2.868				2.837			.080				10900
IN268	2 11/16	2.688	68.25	2.868	+.080			2.848		.103		.560			10900
IN275	2 3/4	2.750	69.85	2.944	-.000		.093	2.914	±.006	+.005 -.000	.082	.590			11470
IN281	2 13/16	2.812	71.42	3.025				2.980			.084				12200
IN281	–	2.835	72.00	3.025				3.005			.085	.660			12200
IN287	2 7/8	2.875	73.03	3.086				3.051			.088				12870
IN295	–	2.953	75.00	3.175		.203		3.135			.091	.620	.100		13480
IN300	3	3.000	76.20	3.222				3.182			.091				13890
IN306	3 1/16	3.062	77.77	3.288				3.248			.093				14490
IN312	3 1/8	3.125	79.38	3.353				3.315			.095	.650			15110
IN315	–	3.149	79.98	3.388		.218		3.341			.096		.109		15420
IN315	3 5/32	3.156	80.16	3.388				3.348							15420
IN325	3 1/4	3.250	82.55	3.488	+.100			3.446		.120	.098	.680			16210
IN334	3 11/32	3.346	84.99	3.590	-.000		.109	3.546		+.005 -.000	.100			.125	17030
IN347	3 15/32	3.469	88.11	3.721				3.675			.103	.710			18190
IN350	3 1/2	3.500	88.90	3.760				3.710			.105				18700
IN354	–	3.543	90.00	3.805		.234		3.755			.106	.740	.120		19400
IN354	3 9/16	3.562	90.47	3.805				3.776			.107	.810			19400
IN362	3 5/8	3.625	92.08	3.895				3.841			.108	.740			19930



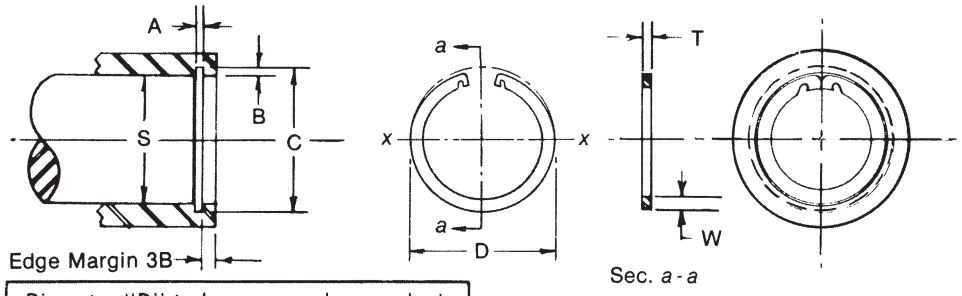
Notch Dimensions

Applicable Housing
3.740" to 10.000"

Standard Material
Carbon Spring Steel

IN

INTERNAL NOTCHED RINGS



Diameter "D" to be measured across horizontal centerline *x-x*

Material-Steel SAE 1060/1075
Hardness R/C 45-52

PART NUMBER	HOUSING DIAMETER S			RING FREE DIAMETER		RING WIRE SECTION		GROOVE DIA.		GROOVE WIDTH A	GROOVE NOM. DEPTH B	GAP G Min.	NOTCH DEPTH ND +.000 -.030	NOTCH WIDTH NW Ref.	THRUST LOAD LBS.
	Frac. inch	Dec. inch	mm	D inches	Tol. inches	W ±.005	T ±.002	C	Tol.						
IN375	–	3.740	95.00	4.030				3.964			.112	.740		.125	21380
IN375	3 3/4	3.750	95.25	4.030				3.974				.780		.125	21380
IN387	3 7/8	3.875	98.43	4.165				4.107			.116			.125	22880
IN393	3 15/16	3.938	100.00	4.234		.250		4.174			.118		.125	.125	23650
IN400	4	4.000	101.60	4.300				4.240						.125	24430
IN412	4 1/8	4.125	104.78	4.430	+.100			4.365		.120		.810		.125	25190
IN425	4 1/4	4.250	107.95	4.555	-.000		.109	4.490	±.006	+.005 -.000	.120			.125	25960
IN433	–	4.331	110.00	4.641				4.571						.125	26450
IN450	4 1/2	4.500	114.30	4.815				4.740						.156	27490
IN462	4 5/8	4.625	117.48	4.940				4.865				.840		.156	28250
IN475	–	4.724	120.00	5.070		.281		4.969			.122		.140	.156	29000
IN475	4 3/4	4.750	120.65	5.070				4.995				.910		.156	29000
IN500	5	5.000	127.00	5.340				5.260			.130	.930		.156	33100
IN525	5 1/4	5.250	133.35	5.600				5.520						.156	36070
IN537	5 3/8	5.375	136.53	5.735	+.120			5.650						.156	36930
IN550	5 1/2	5.500	139.70	5.860	-.000	.312	.125	5.770	±.007	.139	.135	1.000	.156	.156	37790
IN575	5 3/4	5.750	146.05	6.120				6.020		+.006 -.000				.156	39500
IN600	6	6.000	152.40	6.380				6.270						.156	41220
IN625	6 1/4	6.250	158.75	6.640				6.530			.140	1.030		.156	44530
IN650	6 1/2	6.500	165.10	6.905	+.150			6.790		.174	.145	1.090		.156	47970
IN662	6 5/8	6.625	168.28	7.045	-.000	.343	.156	6.925		+.008 -.000	.150	1.120	.171	.156	50580
IN675	6 3/4	6.750	171.45	7.180				7.055			.152	1.130		.156	52220
IN700	7	7.000	177.80	7.445				7.315			.157	1.140		.156	55930
IN725	7 1/4	7.250	184.15	7.705	+.180			7.575			.162			.187	59700
IN750	7 1/2	7.500	190.50	7.975	-.000	.375		7.840			.170	1.150	.187	.187	64900
IN775	7 3/4	7.750	196.85	8.240				8.100			.175	1.160		.187	68700
IN800	8	8.000	203.20	8.505				8.360	±.008		.180	1.200		.187	72900
IN825	8 1/4	8.250	209.55	8.770				8.620			.185	1.230		.187	77600
IN850	8 1/2	8.500	215.90	9.035		.437	.187	8.880		.209	.190	1.270	.218	.187	81800
IN875	8 3/4	8.750	222.25	9.305	+.220			9.144		+.008 -.000	.197	1.320		.187	87300
IN900	9	9.000	228.60	9.564	-.000			9.404			.202	1.370		.187	92400
IN925	9 1/4	9.250	234.95	9.833				9.668			.209	1.400		.187	98000
IN950	9 1/2	9.500	241.30	10.100		.500		9.930			.215	1.500	.250	.187	103900
IN975	9 3/4	9.750	247.65	10.365				10.190			.220	1.620		.187	109000
IN1000	10	10.000	254.00	10.630				10.450			.225	1.750		.187	114600