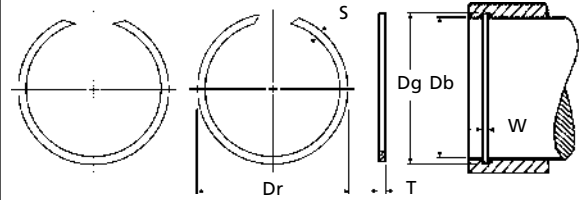


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Anderton

M2300

Seeger

SB

Ellison

ESB

DSB

BORE

MM
(Db)

Free Outside
Diameter
Max. (Dr)

RING

Radial Wall
(S)

Thickness
(T)

GROOVE

Diameter
(Dg)

Width Min.
(W)

WEIGHT
Kg per
100
Pieces

MATERIAL
Spring
Steel

DSB-007	7	7.5	1.00	+.00/- .10	.8	+.00/- .10	7.3	+.09/- .00	.9	0.0090	
-008	8	8.5					8.3			0.0100	
-009	9	9.5					9.3			0.0130	
-010	10	10.6	1.20		10.4		+.11/- .00	1.1	0.0150		
-011	11	11.6	1.30		11.4				0.0210		
-012	12	12.7			12.4				0.0250		
-013	13	13.8			13.5		0.0280				
-014	14	14.8	1.75		14.5		+.13/- .00	1.3	0.0310		
-015	15	15.8			15.5				0.0340		
-016	16	16.8			16.5				0.0530		
-017	17	17.8	2.30		17.5		+.16/- .00	1.6	0.0550		
-018	18	18.9			18.5				0.0680		
-019	19	19.9			19.6				0.0720		
-020	20	21.0	1.2		20.6		+.13/- .00	1.3	0.0760		
-021	21	22.0			21.6				0.0790		
-022	22	23.0			22.6				0.0810		
-023	23	24.0	1.5		23.6		+.16/- .00	1.6	0.0880		
-024	24	25.2			24.8				0.0900		
-025	25	26.2			25.8				0.0910		
-026	26	27.2	2.30		26.8		+.16/- .00	1.6	0.0980		
-027	27	28.2			27.8				0.1110		
-028	28	29.2			28.8				0.1130		
-029	29	30.2	1.2		29.8		+.13/- .00	1.3	0.1150		
-030	30	31.4			31.0				0.2000		
-031	31	32.4			32.0				0.2030		
-032	32	33.4	1.5		33.0		+.16/- .00	1.6	0.2110		
-033	33	34.4			34.0				0.2260		
-034	34	35.4			35.0				0.2340		
-035	35	36.4	2.30		36.0		+.16/- .00	1.6	0.2360		
-037	37	38.8			38.2				0.2530		
-038	38	39.8			39.2				0.2610		
-039	39	40.8	1.2		40.2		+.13/- .00	1.3	0.2670		
-040	40	41.8		41.2	0.2800						
-042	42	43.8		43.2	0.2920						
DSB-043	43	44.8	1.5	44.2	+.16/- .00	1.6	0.3030				

DSB

DESCRIPTION

Small radial width. Applications include gear systems, securing needle bearings, and use as spacers.

AXIAL ASSEMBLY

HOW TO IDENTIFY

1. Verify bore diameter (Db).
2. Determine free diameter (Df), radial wall (S), and thickness (T) of the part.
3. Find the part in the chart above.

GENERAL USE



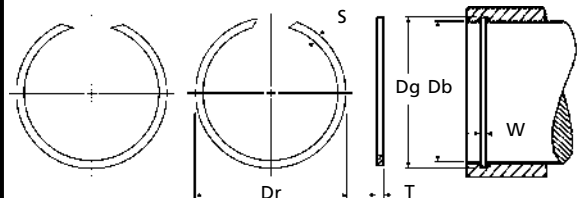
UNCOMMON

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DSB	BORE	Free Outside Diameter Max. (Dr)	RING		GROOVE		WEIGHT	MATERIAL				
	MM (Db)		Radial Wall (S)	Thickness (T)	Diameter (Dg)	Width Min. (W)	Kg per 100 Pieces					
DSB-044	44	45.8	2.30	+ .00/- .10	1.5	+ .00/- .10	45.2	+ .16/- .00	1.6	0.3110		
-045	45	46.8								46.2		0.3250
-046	46	47.8								47.2		0.3280
-047	47	48.8								48.2		0.3290
-048	48	49.8								49.2		0.3450
-050	50	51.8								51.2		0.3570
-052	52	54.3								53.5		0.3580
-053	53	55.3								54.5		0.3820
-055	55	57.3								56.5		0.3930
-057	57	59.3								58.5		0.4120
-058	58	60.3								59.5		0.4130
-060	60	62.3								61.5		0.4280
-062	62	64.3								63.5		0.4420
-063	63	65.3								64.5		0.4500
-065	65	67.3								66.5		0.4720
-068	68	70.3	69.5	0.4900								
-070	70	72.3	71.5	0.4930								
-072	72	74.6	73.8	0.8490								
-073	73	75.6	74.8	0.8520								
-074	74	76.6	75.8	0.8600								
-076	76	78.6	77.8	0.8890								
-078	78	80.6	79.8	0.9050								
-079	79	81.6	80.8	0.9070								
-080	80	82.6	81.8	0.9220								
-081	81	83.6	82.8	0.9310								
-082	82	84.6	83.8	0.9450								
-083	83	85.6	84.8	0.9630								
-085	85	87.6	86.8	0.9810								
-086	86	88.6	87.8	0.9910								
-088	88	91.0	3.40	2.5	2.7	90.0	1.5400					
-090	90	93.0				92.0	1.5600					
-092	92	95.0				94.0	1.6600					
-093	93	96.0				95.0	1.6800					
-095	95	98.0				97.0	1.6900					
DSB-097	97	100.0				99.0	1.7100					

DSB	DESCRIPTION	HOW TO IDENTIFY	GENERAL USE	SEE DIN 7993 ON PAGES 202-203
	Small radial width. Applications include gear systems, securing needle bearings, and use as spacers.	1. Verify bore diameter (Db). 2. Determine free diameter (Df), radial wall (S), and thickness (T) of the part. 3. Find the part in the chart above.	 UNCOMMON	
	AXIAL ASSEMBLY			

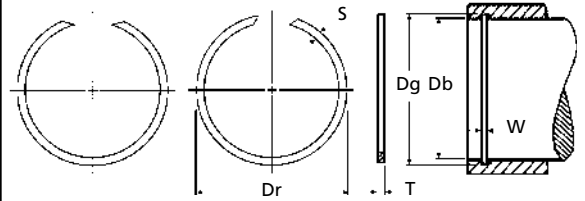
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DSB	BORE	RING			GROOVE			WEIGHT	MATERIAL
	MM (Db)	Free Outside Diameter Max. (Dr)	Radial Wall (S)	Thickness (T)	Diameter (Dg)	Width Min. (W)	Kg per 100 Pieces	Spring Steel	
DSB-098	98	101.0	3.4	2.5	100.0	2.7	1.7500		
-100	100	103.0			102.0		1.7900		
-102	102	105.3			104.3		1.8400		
-103	103	106.3			105.3		1.8500		
-105	105	108.3			107.3		1.8700		
-107	107	110.3			109.3		1.9100		
-108	108	111.3			110.3		1.9300		
-110	110	113.4			112.3		1.9800		
-112	112	115.4			114.3		2.0300		
-113	113	116.4			115.3		2.0500		
-115	115	118.4			117.3		2.0600		
-117	117	120.4			119.3		2.0800		
-118	118	121.4			120.3		2.1100		
-120	120	123.5			122.3		2.1400		
-123	123	126.5			125.3		2.2000		
-125	125	128.5			127.3		2.2500		
-127	127	130.5	129.3	2.3000					
-130	130	133.6	132.3	2.3400					
-133	133	136.6	135.3	2.4400					
-135	135	138.6	137.3	2.5000					
-137	137	140.6	139.3	2.5300					
-140	140	144.0	142.6	2.9300					
-143	143	147.0	145.6	3.0100					
-150	150	154.1	152.6	3.1900					
-153	153	157.1	155.6	3.2600					
-160	160	164.2	162.6	3.4400					
-163	163	167.2	165.6	3.4600					
-165	165	169.2	167.6	3.4900					
-170	170	174.3	172.6	3.6200					
-173	173	177.3	175.6	3.7100					
-175	175	179.3	177.6	3.7300					
-180	180	184.5	182.6	3.8300					
-183	183	187.5	185.6	4.1000					
DSB-190	190	194.9	5.0	3.0	193.0	3.2	6.1300		

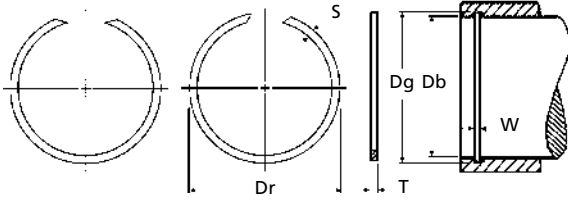
DSB	DESCRIPTION	HOW TO IDENTIFY	GENERAL USE
	Small radial width. Applications include gear systems, securing needle bearings, and use as spacers. AXIAL ASSEMBLY	1. Verify bore diameter (Db). 2. Determine free diameter (Df), radial wall (S), and thickness (T) of the part. 3. Find the part in the chart above.	 UNCOMMON



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Anderton

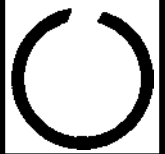
M2300

Seeger

SB

Ellison

ESB



DSB	BORE	Free Outside Diameter Max. (Dr)	RING		Thickness (T)	GROOVE		WEIGHT Kg per 100 Pieces	MATERIAL				
	MM (Db)		Radial Wall (S)	Diameter (Dg)		Width Min. (W)	Spring Steel						
DSB-195	195	199.9	5.0		3.0		+ .29/- .00	3.2	6.1600				
-200	200	205.0							6.4500				
-205	205	210.0							6.6400				
-210	210	215.1							6.8800				
-215	215	220.1							6.9500				
-220	220	225.2							7.2400				
-225	225	230.2							7.2900				
-230	230	235.3							7.5200				
-240	240	245.4							8.0900				
-250	250	255.5							8.4200				
-260	260	267.6							4.2			+ .32/- .00	16.5000
-270	270	277.7											17.4000
-280	280	287.8											18.4000
-290	290	297.9											19.0000
-300	300	307.9											19.6000
-310	310	318.0	20.0000										
-320	320	328.1	20.3000										
-325	325	333.1	20.6000										
-330	330	338.2	20.9000										
-340	340	348.3	21.9000										
-350	350	358.4	22.9000										
-355	355	363.4	23.1000										
-360	360	368.5	23.3000										
-370	370	378.5	23.6000										
-375	375	383.5	24.0000										
-380	380	388.6	24.2000										
-390	390	398.7	25.3000										
-395	395	403.7	+ .36/- .00		+ .40/- .00	25.7000							
-400	400	408.9				26.0000							
-410	410	419.0				26.6000							
-415	415	424.0				27.3000							
-420	420	429.1				27.7000							
-430	430	439.2				28.5000							
DSB-440	440	449.3				29.4000							

DSB	DESCRIPTION	HOW TO IDENTIFY	GENERAL USE	SEE DIN 7993 ON PAGES 202-203
	AXIAL ASSEMBLY	1. Verify bore diameter (Db). 2. Determine free diameter (Df), radial wall (S), and thickness (T) of the part. 3. Find the part in the chart above.	 UNCOMMON	

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