

SHIMS & SPACERS

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SUPPORT RING



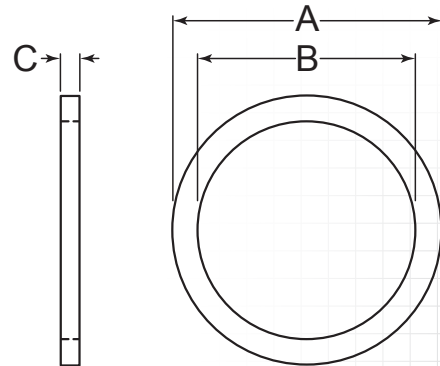
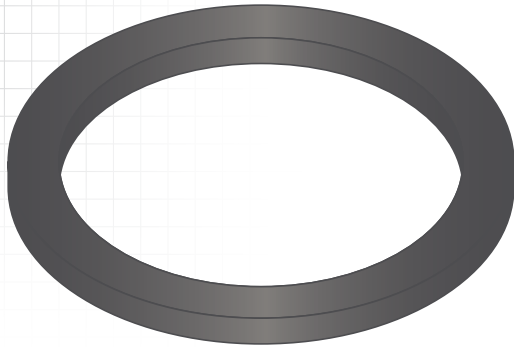
DIN 988

DESCRIPTION

Similar to shim washers, support rings are covered under the DIN 988 specification. Support rings have a harder specification of spring steel, and are thicker. They are generally used with a snap ring or lock washers where excessive axial force is expected.

HOW TO IDENTIFY

1. Measure inside diameter (B).
2. Measure thickness (C).
3. Find the part number in the chart on the next page.



PREFIX MATERIAL/FINISH

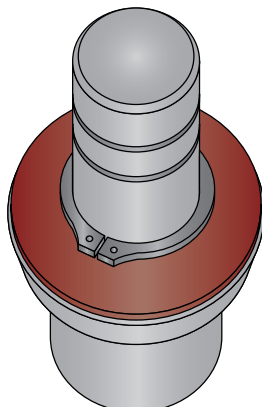
SS = **SPRING STEEL, HARDENED***
Material/finish combinations may not be available in all sizes.

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SHIM RING METRIC TOLERANCES

MATERIAL		OUTSIDE DIAMETER (A)		INSIDE DIAMETER (B)		THICKNESS (C)	
(Prefix)	(Material/Finish)	(Size Range)	(Tolerance)	(Size Range)	(Tolerance)	(Size Range)	(Tolerance)
	Spring Steel, Hardened – Support Washer	6 mm	-0.030/-0.150 mm	3 mm	+0.120/+0.020 mm	All Sizes	+0/-0.050 mm
		8 – 10 mm	-0.040/-0.190 mm	4 – 6 mm	+0.150/+0.030 mm		
		12 – 18 mm	-0.050/-0.230 mm	7 – 10 mm	+0.190/+0.040 mm		
		19 – 30 mm	-0.065/-0.275 mm	11 – 18 mm	+0.230/+0.050 mm		
		32 – 50 mm	-0.080/-0.330 mm	19 – 30 mm	+0.275/+0.065 mm		
		52 – 80 mm	-0.100/-0.400 mm	32 – 50 mm	+0.330/+0.080 mm		
		85 – 120 mm	-0.120/-0.470 mm	52 – 80 mm	+0.400/+0.100 mm		
		125 – 180 mm	-0.145/-0.545 mm	81 – 120 mm	+0.470/+0.120 mm		
		190 – 200 mm	-0.170/-0.630 mm	130 – 170 mm	+0.545/+0.145 mm		

A SNAP RING MAY BE
USED TO SECURE THE
SHIM WASHER AGAINST
INTERFACING ELEMENTS



HOW TO READ A PART NUMBER
Support rings come in standard inside diameter
× outside diameter × thickness combinations.

SS-018025-15

ITEM
PREFIX

(B)
INSIDE
DIAMETER

(A)
OUTSIDE
DIAMETER

(C)
THICKNESS

FOR DETAILED SPECIFICATIONS AND TOLERANCES, VISIT HUYETT.COM.

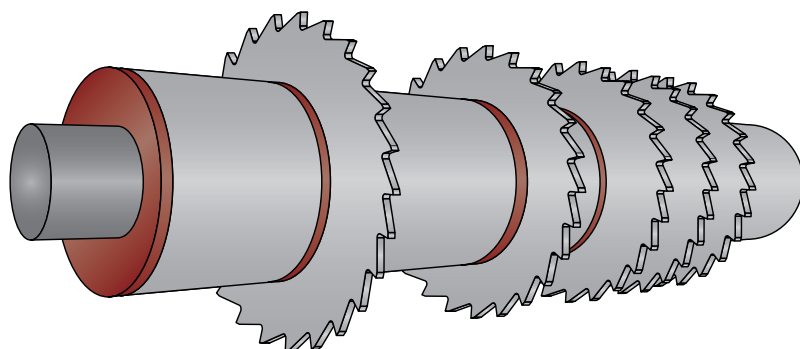
Prices, materials, dimensions, tolerances, designs, and grades subject to change without notice. © 2016 G.L. Huyett

*Limited warranty for surface finish: 30 days from date of shipment. See page 12 for details.

ITEM NUMBER	(A) OUTSIDE DIAMETER	(B) INSIDE DIAMETER	(C) THICKNESS
SS-003006-1	6.00 mm	3.00 mm	1.00 mm
SS-004008-1	8.00 mm	4.00 mm	1.00 mm
SS-005010-1	10.00 mm	5.00 mm	1.00 mm
SS-006012-12	12.00 mm	6.00 mm	1.20 mm
SS-007013-12	13.00 mm	7.00 mm	1.20 mm
SS-008014-12	14.00 mm	8.00 mm	1.20 mm
SS-009015-12	15.00 mm	9.00 mm	1.20 mm
SS-010016-12	16.00 mm	10.00 mm	1.20 mm
SS-011017-12	17.00 mm	11.00 mm	1.20 mm
SS-012018-12	18.00 mm	12.00 mm	1.20 mm
SS-013019-15	19.00 mm	13.00 mm	1.50 mm
SS-014020-15	20.00 mm	14.00 mm	1.50 mm
SS-015021-15	21.00 mm	15.00 mm	1.50 mm
SS-015022-15	22.00 mm	15.00 mm	1.50 mm
SS-016022-15	22.00 mm	16.00 mm	1.50 mm
SS-017024-15	24.00 mm	17.00 mm	1.50 mm
SS-018025-15	25.00 mm	18.00 mm	1.50 mm
SS-019026-15	26.00 mm	19.00 mm	1.50 mm
SS-020028-2	28.00 mm	20.00 mm	2.00 mm
SS-022030-2	30.00 mm	22.00 mm	2.00 mm
SS-022032-2	32.00 mm	22.00 mm	2.00 mm
SS-025035-2	35.00 mm	25.00 mm	2.00 mm
SS-025036-2	36.00 mm	25.00 mm	2.00 mm
SS-026037-2	37.00 mm	26.00 mm	2.00 mm
SS-028040-2	40.00 mm	28.00 mm	2.00 mm
SS-030042-25	42.00 mm	30.00 mm	2.50 mm
SS-032045-25	45.00 mm	32.00 mm	2.50 mm
SS-035045-25	45.00 mm	35.00 mm	2.50 mm
SS-036042-25	42.00 mm	36.00 mm	2.50 mm
SS-036045-25	45.00 mm	36.00 mm	2.50 mm
SS-037047-25	47.00 mm	37.00 mm	2.50 mm
SS-040047-25	47.00 mm	40.00 mm	2.50 mm
SS-040050-25	50.00 mm	40.00 mm	2.50 mm
SS-042052-25	52.00 mm	42.00 mm	2.50 mm
SS-045055-3	55.00 mm	45.00 mm	3.00 mm

ITEM NUMBER	(A) OUTSIDE DIAMETER	(B) INSIDE DIAMETER	(C) THICKNESS
SS-045056-3	56.00 mm	45.00 mm	3.00 mm
SS-046060-9	60.00 mm	46.00 mm	9.00 mm
SS-048060-3	60.00 mm	48.00 mm	3.00 mm
SS-050062-3	62.00 mm	50.00 mm	3.00 mm
SS-050063-3	63.00 mm	50.00 mm	3.00 mm
SS-052065-3	65.00 mm	52.00 mm	3.00 mm
SS-055068-3	68.00 mm	55.00 mm	3.00 mm
SS-056065-121	65.00 mm	56.00 mm	12.10 mm
SS-056070-3	70.00 mm	56.00 mm	3.00 mm
SS-056072-3	72.00 mm	56.00 mm	3.00 mm
SS-060075-3	75.00 mm	60.00 mm	3.00 mm
SS-063080-3	80.00 mm	63.00 mm	3.00 mm
SS-065085-35	85.00 mm	65.00 mm	3.50 mm
SS-066075-124	75.00 mm	66.00 mm	12.40 mm
SS-066080-3	80.00 mm	66.00 mm	3.00 mm
SS-070090-35	90.00 mm	70.00 mm	3.50 mm
SS-075095-35	95.00 mm	75.00 mm	3.50 mm
SS-080090-35	90.00 mm	80.00 mm	3.50 mm
SS-080100-35	100.00 mm	80.00 mm	3.50 mm
SS-081095-112	95.00 mm	81.00 mm	11.20 mm
SS-081100-35	100.00 mm	81.00 mm	3.50 mm
SS-085105-35	105.00 mm	85.00 mm	3.50 mm
SS-090110-35	110.00 mm	90.00 mm	3.50 mm
SS-095115-35	115.00 mm	95.00 mm	3.50 mm
SS-100120-35	120.00 mm	100.00 mm	3.50 mm
SS-100125-35	125.00 mm	100.00 mm	3.50 mm
SS-105130-35	130.00 mm	105.00 mm	3.50 mm
SS-110140-35	140.00 mm	110.00 mm	3.50 mm
SS-120150-35	150.00 mm	120.00 mm	3.50 mm
SS-130160-35	160.00 mm	130.00 mm	3.50 mm
SS-140170-35	170.00 mm	140.00 mm	3.50 mm
SS-150180-35	180.00 mm	150.00 mm	3.50 mm
SS-160190-35	190.00 mm	160.00 mm	3.50 mm
SS-170200-35	200.00 mm	170.00 mm	3.50 mm

APPLICATION



IN ADDITION TO FILLING GAPS
BETWEEN COMPONENTS,
HARDENED SUPPORT
RINGS PROTECT EXPENSIVE
COMPONENTS