

Shim Rings

Inch

Rondelles de calage

Pouce

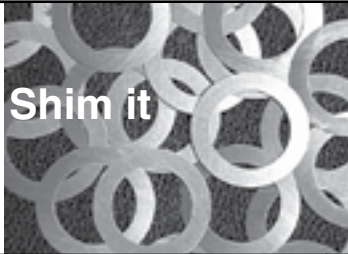
SHIM RINGS

WITHOUT KEYWAY

STEEL Not Plated

(AISI 1010)

Shim it



Ready to use. Shim Rings provide a simple, fast, accurate means of spacing milling cutters, saws and knives for precision work. Wide selection. Hole diameters from 3/8" I.D. to 2" I.D.; in thicknesses from .001" to .125".

PKG QTY. - 10 Per Size

SIZE I.D. x O.D.	Thick-ness	SPAENAUR No.	SIZE I.D. x O.D.	Thick-ness	SPAENAUR No.	SIZE I.D. x O.D.	Thick-ness	SPAENAUR No.			
3/8" x 5/8"	.002"	656-150	3/4" x 1-1/8"	.015"	656-184	1-1/4" x 1-3/4"	.004"	656-206			
	.003"	656-151		.020"	656-185		.005"	656-207			
	.005"	656-152		.031"	656-186		.010"	656-208			
	.010"	656-153		.047"	656-187		.015"	656-238			
	.015"	656-154		.062"	656-188		.031"	656-209			
	.020"	656-155		.002"	656-236		.047"	656-210			
	.031"	656-156	7/8" x 1-3/8"	.005"	656-237	1-3/8" x 1-7/8"	.003"	656-211			
	.047"	656-157		.010"	656-189		.005"	656-212			
.062"	656-158	.015"		656-190	.010"		656-213				
1/2" x 3/4"	.002"	656-159		.020"	656-191		.020"	656-239			
	.003"	656-160		.031"	656-192		.031"	656-242			
	.004"	656-161		.062"	656-248		.062"	656-243			
	.005"	656-162		1" x 1-1/2"	.002"		656-193	.093"	656-244		
	.010"	656-163			.003"		656-194	.125"	656-245		
	.015"	656-164	.004"		656-195	1-1/2" x 2-1/8"	.005"	656-214			
	.020"	656-165	.005"		656-196		.007"	656-235			
	.031"	656-166	.010"		656-197		.010"	656-215			
.047"	656-167	.015"	656-198		.015"		73857				
.062"	656-B61-1A	.020"	656-199		.020"		656-216				
5/8" x 1"	.002"	656-169	.031"		656-200		.025"	73858			
	.003"	656-170	.047"	656-201	.062"		656-246				
	.004"	656-171	.062"	656-202	.093"		656-247				
	.005"	656-172	.093"	656-241	1-3/4" x 2-3/4"	.005"	656-217				
	.010"	656-173	.125"	656-240		.010"	656-218				
	.015"	656-174	1-1/8" x 1-5/8"	.002"		656-249	.020"	656-219			
	.020"	656-175		.003"		656-203	2" x 2-3/4"	.005"	656-220		
	.031"	656-176		.005"		656-204		.010"	656-221		
.047"	656-177	.010"		656-205		.020"		656-222			
.062"	656-178	3/4" x 1-1/8"						.062"	656-268		
(Cont'd.)	.002"							656-179	.093"	656-269	.125"
	.003"				656-180						
	.004"				656-181						
	.005"		656-182								
	.010"		656-183								

ASSORTMENT 805-629

SHIM RINGS

Steel Not Plated
Without Keyway

73 SIZES - 730 PIECES



Page A83

Contains many numbers listed on this page. Large size welded STEEL grey enamelled Drawer has "scooped" bins. Drawer fits Slide Racks on page A3

Shipping Wgt. 4.42 kg (9.75 lbs)

SHIM RING TOLERANCES

I.D. & O.D. Tolerances

I.D.	Tolerances
I.D.	+0.011/-0.000"
O.D.	±.002"
Thicknesses	
Thicknesses	Tolerances
.001, .0015, .002, .003"	± 10%
.004, .005, .006"	± .0005"
.007, .008, .010, .012, .015"	± .00075"
.020, .025"	± .001"
.031"	± .0015"
.047, .062"	± .002"
.093"	± .0025"
.125"	± .002"

CATALOG 14

SPAENAUR

Inch

Shim Rings

Pouce

Rondelles de calage

SHIM RINGS
WITH KEYWAY
STEEL Not Plated

(AISI 1010)

Inch Sizes

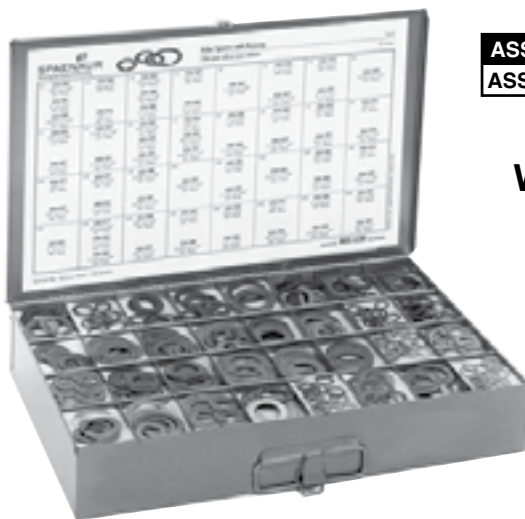
Shim Rings are sold in:

- (a) PKG QTY. of 10 per size
- (b) Assorted Packs of 19, which contain one size only, in 19 thicknesses (see lower right)



Space it

Size I.D. x O.D.	Thick-ness	SPAENAUR No.	Size I.D. x O.D.	Thick-ness	SPAENAUR No.	
3/8" x 5/8" with 1/8" Keyway	.004"	656-300	1" x 1-1/2" with 1/4" Keyway	.001"	656-331	
	.005"	656-301		.002"	656-332	
	.010"	656-302		.003"	656-333	
	.031"	656-303		.004"	656-334	
1/2" x 3/4" with 1/8" Keyway	.004"	656-304		.005"	656-335	
	.005"	656-305		.007"	656-336	
	.010"	656-306		.010"	656-337	
	.031"	656-307		.012"	656-338	
	.047"	656-308		.020"	656-339	
	.062"	656-309		.025"	656-340	
5/8" x 1" with 3/16" Keyway	.125"	656-310		.031"	656-341	
	.004"	656-311		.047"	656-342	
	.005"	656-312		.062"	656-343	
	.010"	656-313		.093"	656-344	
3/4" x 1-1/8" with 3/16" Keyway	.015"	656-314		.125"	656-345	
	.031"	656-315		1-1/8" x 1-5/8" (1/4" Keyway)	.005"	656-346
	.047"	656-316			.010"	656-347
	7/8" x 1-3/8" with 3/16" Keyway	.002"		656-317	1-1/4" x 1-3/4" with 5/16" Keyway	.002"
.003"		656-318		.003"		656-349
.005"		656-319	.004"	656-350		
.010"		656-320	.005"	656-351		
.012"		656-321	.006"	656-352		
.015"		656-322	.007"	656-353		
3/4" x 1-1/8" with 3/16" Keyway	.031"	656-323	.008"	656-354		
	.047"	656-324	.010"	656-355		
	.003"	656-325	.012"	656-356		
	.004"	656-326	.015"	656-357		
	.005"	656-327	.020"	656-358		
	.010"	656-328	.025"	656-359		
7/8" x 1-3/8" with 3/16" Keyway	.031"	656-329	.031"	656-360		
	.047"	656-330	.062"	656-361		
			.093"	656-362		
			.125"	656-363		



ASSORTMENT 805-630
ASSORTIMENT

SHIM RINGS
WITH KEYWAY

Steel, Not Plated

64 SIZES
490 PIECES

Large Size welded STEEL, grey enamelled
Drawer has "scooped" bins. Fits Slide
Racks shown on page A3

Shipping weight **4.31 kg** (9.5 lbs.)



Page
A84

Assorted Packs

Priced Singly

SHIM RINGS

Contain thicknesses from
.001" to .125" (19 to pack)

SPAENAUR No.	SPACER SIZE	KEYWAY SIZE
656-364	3/8" I.D. x 5/8" O.D.	1/8"
656-365	1/2" I.D. x 3/4" O.D.	1/8"
656-366	5/8" I.D. x 1" O.D.	3/16"
656-367	3/4" I.D. x 1-1/8" O.D.	3/16"
656-368	7/8" I.D. x 1-3/8" O.D.	3/16"
656-369	1" I.D. x 1-1/2" O.D.	1/4"
656-370	1-1/8" I.D. x 1-5/8" O.D.	1/4"
656-371	1-1/4" I.D. x 1-3/4" O.D.	5/16"
656-372	1-3/8" I.D. x 1-7/8" O.D.	5/16"
656-373	1-1/2" I.D. x 2-1/8" O.D.	3/8"
656-374	1-3/4" I.D. x 2-3/4" O.D.	7/16"
656-375	2" I.D. x 2-3/4" O.D.	1/2"

For SHIM STOCK
see pages D78 to D80.