

ARaymond[®]

MORE THAN FASTENING

TINNERMAN

ARaymond-Industrial

HIGH STRENGTH RETAINING RINGS

A tight hold that will not spring free

ARaymond Tinnerman's high-strength retaining rings provide superior hold on a smooth, unthreaded shaft or stud. Parts are made from 300 Series Stainless Steel, assuring a long-life and corrosion resistance, while also eliminating any additional finishing. Their low-profile design makes them ideal for applications where space is limited, including small hand tools, conveyor roller systems, furniture, toys and electronics.

Available in a full range of sizes from 15mm to 50mm.



A. Raymond Tinnerman Industrial, Inc.
1060 W. 130th Street, Brunswick, OH 44212
330.220.5100, 800.221.2344
www.araymond-industrial.com/north-america

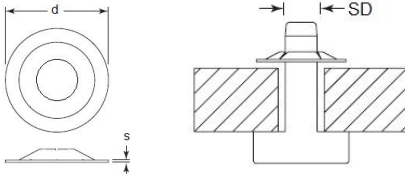
RG

Selection of Common Sizes from Preferred Product Catalog

Current Part Number	Legacy Part Number	Stud Size	Stud Diameter (SD)	Diameter (d)	Material Thickness (s)
138924 (*)	T99220SS-74	1/8"	0.122-0.128	0.325	0.006
138869	T99220-162	4mm	0.159-0.165	0.437	0.014
138922	T99220SS-68	3/16"	0.185-0.191	0.312	0.006
138910 (*)	T99220SS-196	6mm	0.234-0.239	0.531	0.017
138929	T99220SS-80	1/4"	0.247-0.253	0.312	0.006
138919	T99220SS-64	5/16"	0.310-0.316	0.437	0.010
138896 (*)	T99220SS-132	11/32"	0.337-0.346	0.562	0.010
138906	T99220SS-173	3/8"	0.369-0.375	0.500	0.020
138905 (*)	T99220SS-172	7/16"	0.434-0.439	0.575	0.010
138874	T99220-201	12mm	11.980-12.050	19.900	1.060
138889 (*)	T99220SS-120	1/2"	0.497-0.503	0.750	0.010
138883	T99220SS-100	5/8"	15.770-15.900	19.050	0.380
136446 (*)	136446	25mm	0.981-0.987	1.438	0.040

(*) Indicates part is included in this sample bag

Bold Italics: Indicates Metric



© A. Raymond Tinnerman Industrial, Inc.

* "ARaymond Tinnerman Industrial" means A. Raymond Tinnerman Industrial, Inc. 02609G – 1060 W. 130th Street, Brunswick, OH 44212, which is an independent company of ARaymond Network and which is responsible for this sample bag.

** "ARaymond Network" means a network of independent companies which have a license of use of trademark. "Sample bag" means the information and any materials available in this sample bag including, without any limitation, pictures, datasheets, product descriptions, etc.

ARAYMOND™ is used as a trademark.

This sample bag does not constitute an offer or an agreement of any kind. This sample bag does not constitute a technical note. The sample bag is provided «as is» and only for evaluation purpose. A. Raymond Tinnerman Industrial, Inc. makes no warranty or representation whatsoever regarding the sample bag, its use or its suitability to meet specific needs. A. Raymond Tinnerman Industrial, Inc. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE ACCURACY, RELIABILITY, NOVELTY, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF THE INFORMATION, NOR THAT WILL ITS USE NOT INFRINGE ON ANY THIRD PARTY'S RIGHTS. A. Raymond Tinnerman Industrial, Inc. is not liable for any incidental, consequential or special damages of any kind due to the use of the sample bag. Any rights not expressly granted herein are reserved. Except as expressly specified in these terms, nothing contained herein shall be construed as conferring any license or right of any copyright, trademark, patent, or any proprietary rights. Any unauthorized use of this sample bag may violate rights, and so, A. Raymond Tinnerman Industrial, Inc. or any third party concerned may claim any damages or losses suffered. If you need further information, please contact A. Raymond Tinnerman Industrial, Inc.