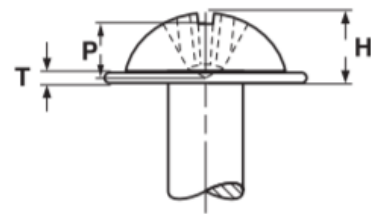
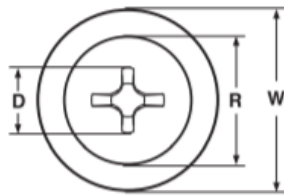


Metallics

An **AMERICAN** Source For Premier
and Innovative Fasteners and Anchors

ROUND WASHER HEAD SQUARE/PHILLIPS TAPPING SCREWS – STEEL ZINC

The following Specification Sheet applies to all **Round Washer Head, Square/Phillips Tapping Screws** in our **JRWS and RWS series** of screws.



ROUND WASHER HEADS FOR SELF TAPPING SCREWS										ASME B18.6.3—2010	
Nominal Size	W		T	R	H		D	P	Recess Penetration Gaging Depth		Phillips Driver Size
	Washer Outside Diameter		Washer Thick- ness	Crown Diameter	Overall Head Height		Recess Diameter	Recess Depth			
	Max	Min	Ref	Ref	Max	Min	Ref	Ref	Max	Min	
5	.291	.272	.040	.198	.088	.075	.139	.051	.054	.026	2
6	.321	.301	.040	.218	.096	.084	.147	.058	.061	.033	2
8	.380	.358	.040	.259	.113	.101	.161	.073	.076	.048	2
10	.439	.416	.050	.300	.130	.118	.177	.091	.093	.066	2
1/4	.576	.548	.050	.396	.170	.157	.244	.110	.107	.080	3

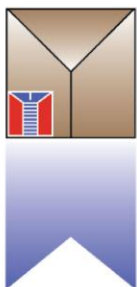
Metallics

229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

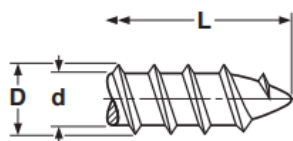
Fax: 860 584-1008 Toll Free Fax: 800 831-9358



Metallics

An **AMERICAN** Source For Premier
and Innovative Fasteners and Anchors

THREAD DIMENSIONS



THREADS FOR SELF-TAPPING SCREWS TYPE A										ASME B18.6.4
Nominal Size or Basic Screw Diameter		Threads Per Inch	D		d		L		Minimum Torsional Strength, lb.-in. (STEEL SCREWS ONLY)	
			Major Diameter		Minor Diameter		These Lengths or Shorter Have AB Threads			
			Max	Min	Max	Min	90° Heads	Csk Heads		
6	0.1380	18	.141	.136	.102	.096	1/4	5/16	24	
7	0.1510	16	.158	.152	.114	.108	5/16	3/8	30	
8	0.1640	15	.168	.162	.123	.116	3/8	7/16	39	
9*	0.1770	14	.181	.170	.130	.120	3/8	7/16	47	
10	0.1900	12	.194	.188	.133	.126	3/8	1/2	48	
12	0.2160	11	.221	.215	.162	.155	7/16	9/16	83	
14	0.2420	10	.254	.248	.185	.178	1/2	5/8	125	
20	0.3200	9	.333	.327	.234	.226	11/16	13/16	250	
24	0.3720	9	.390	.383	.291	.282	3/4	1	492	
Tolerance on Length				Up to 1" Incl.: ±0.03				Over 1": ±0.05		
* Dimensions for #9 diameter are independent of ASME B18.6.4										

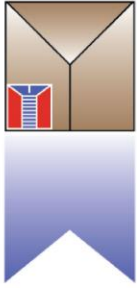
Metallics

229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358



Metallics

An **AMERICAN** Source For Premier
and Innovative Fasteners and Anchors

Description	A thread forming tapping screw with wider spaced threads than a Type-AB and a gimlet point.
Applications/ Advantages	For self starting in thin (.015-.050 thick) metal or resin-filled plywood. 18-8 Stainless steel tapping screws may be used in applications which require general atmospheric corrosion resistance. Fastening stainless steel parts to aluminum or steel can cause a type of corrosion known as a galvanic couple in some environments.
Material	Steel: AISI 1016 - 1024 or equivalent steel. Stainless: Austenitic 18-8 stainless steel
Heat Treatment (Steel only)	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.
Surface Hardness	Steel: Rockwell C45 minimum
Case Depth (Steel only)	No. 6 diameter: .002 - .007 No. 8 thru 12 diameter: .004 - .009 1/4" and larger: .005 - .011
Core Hardness (after tempering)	Steel: Rockwell C28 - 38
Plating	See Appendix-A for information on plating of steel screws.

Metallics

229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358