



Metric Hole Sizes for Self Tapping Screws HW601 to HW625

Thread diameter	Material Strength Rm (N/mm2)	Diameter of the pilot hole for thread dimensions ST 2.2 - ST6.3 for sheet metal thicknesses (mm)																								
		0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2	2.2	2.5	2.8	3	3.5	4	4.5	5				
No 2 2.2 HW601- HW608	from 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				
	approx. 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9												
	up to 500	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.9	1.9	1.9														
No 4 2.9 HW610- HW615	from 101				2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2				
	approx. 301				2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4										
	up to 501				2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5											
No 6 3.5 HW621- HW625	from 102						2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.9							
	approx. 302						2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.9	2.9	3	3								
	up to 502						2.7	2.8	2.8	2.9	2.9	2.9	2.9	3	3	3.1	3.1									
3.9 Special Order	from 103						2.9	2.9	3	3	3	3	3	3	3	3	3.1	3.2	3.3							
	approx. 303						2.9	2.9	3	3	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3							
	up to 503						3	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.5							
No 8 4.2 Special Order	from 104							3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.5						
	approx. 304							3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.6						
	up to 504							3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.7						
No 10 4.8 Special Order	from 105											3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.8	3.9	4	4.1				
	approx. 305											3.6	3.7	3.8	3.8	3.9	3.9	4	4.1	4.1	4.2	4.2				
	up to 505											3.9	3.9	4	4	4	4.1	4.1	4.2	4.2	4.2	4.3				
No 12 5.5 Special Order	from 106														4.2	4.2	4.2	4.2	4.2	4.4	4.5	4.6	4.7	4.8		
	approx. 306														4.3	4.4	4.4	4.5	4.7	4.7	4.8	4.8	4.9	4.9		
	up to 506														4.6	4.6	4.6	4.7	4.8	4.8	4.9	4.9	5	5		
No 14 6.3 Special Order	from 107															4.9	4.9	4.9	4.9	5	5.2	5.3	5.4	5.5	5.6	5.7
	approx. 307															5	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.8
	up to 507															5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.8	5.8	5.8

Note: Due to the fact that fastening applications differ greatly, the above information is for guidance only and is correct to the best of our knowledge. The customer must satisfy themselves with the performance of the fastener and validity of the data. Brimal will not be held responsible for any failure that may occur from the use of this information