

Evolution Fasteners Composite Panel Fasteners – Usability Data

Part Number	Nominal Dimensions		Actual Dimensions				Fixture Material Thickness Limits		Substrate Material Thickness Limits		Washer Details		
	Diameter <i>D_{nom}</i> (mm)	Length <i>L_{nom}</i> (mm)	<i>L_{Thread}</i> (mm)	<i>L_{Bare}</i> (mm)	<i>L_{Buttress}</i> (mm)	<i>L_{Point}</i> (mm)	Min. <i>T_{min}</i> (mm)	Max. <i>T_{max}</i> (mm)	Min. <i>S_{m-in}</i> (mm)	Max. <i>S_{max}</i> (mm)			
Carbon Steel (Organic Coated) for Light Steel Applications													
TSBWHT5.5-80-3	5.5	80	40	25	15	12	40	65	1.2	3.5	16mm OD EPDM (Galv.)		
TSBWHT5.5-105-3		105	50	40									
TSBWHT5.5-135-3		135	75	45									
TSBWHT5.5-150-3		150	65	60									
TSBWHT5.5-185-3		185	60	105									
TSBWHT5.5-225-3		225	85	125	20	145	210	19mm OD EPDM (Galv.)					
Carbon Steel (Organic Coated) for Heavy Steel Applications													
TSBWHT5.5-85-5	5.5	85	50	20	15	22	35	50	3.5	12.5	16mm OD EPDM (Galv.)		
TSBWHT5.5-105-5		105		40									
TSBWHT5.5-125-5		125		45			60						
TSBWHT5.5-150-5		150	70	65									
TSBWHT5.5-185-5		185		100									
TSBWHT5.5-235-5		235	150	20	170	200	19mm OD EPDM (Galv.)						
Bi-Metal (A2 Stainless Steel) for Light Steel Applications													
BMTSBWHT5.5-80-3	5.5	80	55	15	10	12	30	65	1.2	3.5	16mm OD EPDM (Alum.)		
BMTSBWHT5.5-105-3		105	50	40									
BMTSBWHT5.5-135-3		135	75	45	15		12	60			120		
BMTSBWHT5.5-150-3		150		65									
BMTSBWHT5.5-185-3		185		100				110			170	19mm OD EPDM (Alum.)	
Bi-Metal (A2 Stainless Steel) for Heavy Steel Applications													
BMTSBWHT5.5-105-5	5.5	105	75	10		15		22	25	70	3.5	12.5	16mm OD EPDM (Alum.)
BMTSBWHT5.5-125-5		125		35	50		90						
BMTSBWHT5.5-150-5		150		60	65		115		19mm OD EPDM (Alum.)				
Carbon Steel (Organic Coated) for Timber Applications (Type 17 Point)													
TSBWHT6.3-80-GP	6.3	80	55	10	15	35	25	45	35	N/A	16mm OD EPDM (Galv.)		
TSBWHT6.3-100-GP		100	20										
TSBWHT6.3-120-GP		120	65	45									
TSBWHT6.3-150-GP		150	70	85			115						
Bi-Metal (A4 Stainless Steel) for Light Steel Applications													
A4BMHT105-3	5.5	105	75	15	15	12	55	90	1.2	3.5	16mm OD EPDM (A4 SS.)		
A4BMHT135-3		135					60	120					
A4BMHT150-3		150					75	135					
A4BMHT185-3		185					120	170			19mm OD EPDM (A4 SS.)		