

Structural and General Fastening

Wafer-Head Construction Screw

Cabinet Assembly and Installation; Multipurpose Wood-to-Wood

The Wafer-Head Construction screw is a versatile, multi-purpose fastening solution for a variety of interior or exterior applications, such as cabinet installation and wood-to-wood applications where high pull-through capacity is required. With its low torque threads and fast-start point, the Wafer-Head Construction screw drives effortlessly and is ideally suited to drive into today's wood or engineered wood materials. Available in convenient quantities, Wafer-Head Construction screws are offered in select sizes for fastening a variety of projects.

US Patent 9,523,383

For more information, see p. 83, C-F-2023 Fastening Systems catalog



Wafer-Head Construction Screw

Size x Length (in.)	Model No.	Thread Length (in.)	Reference Allowable Withdrawal Value, W (lb./in.)		Reference Allowable Pull-Through Value (lb.)	
					Side Member Thickness $\geq \frac{3}{4}$ in.	
			DFL/SP	SPF/HF	DFL/SP	SPF/HF
#8 x 1 1/4	CBT08114	0.80	108	62	194	147
#8 x 1 1/2	CBT08112	1.50				
#8 x 2	CBT08200	1.25				
#8 x 2 1/2	CBT08212	1.25				
#8 x 3	CBT08300	1.50				

1. Tabulated allowable values are shown at the wood load duration factor of $C_D = 1.0$. Loads may be increased for load duration up to $C_D = 1.6$.
2. Tabulated reference allowable withdrawal values, W, are in pounds per inch of the thread penetration into the side grain of the main member.
3. Tabulated reference allowable pull-through values are the allowable load for the fastener head pull-through for a minimum $\frac{3}{4}$ " thick side member.
4. Use the lower of the withdrawal or pull-through values to determine axial design value.
5. Screws must be installed normal to the side grain of the wood main member with the screw axis at a 90° angle to the wood fibers.