

Engineered Strength for Mass Timber Connections

SIMPSON
Strong-Tie®

Now in Black E-Coat Finish

Fully threaded with countersunk head — great withdrawal resistance with a flush finish

The Strong-Drive SDCF Timber-CF screw is a structural fastener now available in a broader range of diameters and lengths. Designed for cross-laminated timber (CLT), mass timber construction and general interior applications, these 8 mm (0.315"), 10 mm (0.390") and 12 mm (0.470") diameter¹ structural fasteners provide uncompromised strength for these demanding applications. The large flat head with underhead nibs ensures clean countersinking and a flush finish. The SDCF Timber-CF Screw has been redesigned to incorporate black e-coat and a sawtooth point. Its SawTooth® point technology ensures fast starts, reducing installation torque and eliminating the need for predrilling in most applications. Offered in a variety of sizes, it's the ideal solution for mass timber projects.



SDCF TIMBER-CF screws installed into a CLT butt-joint application²

Applications

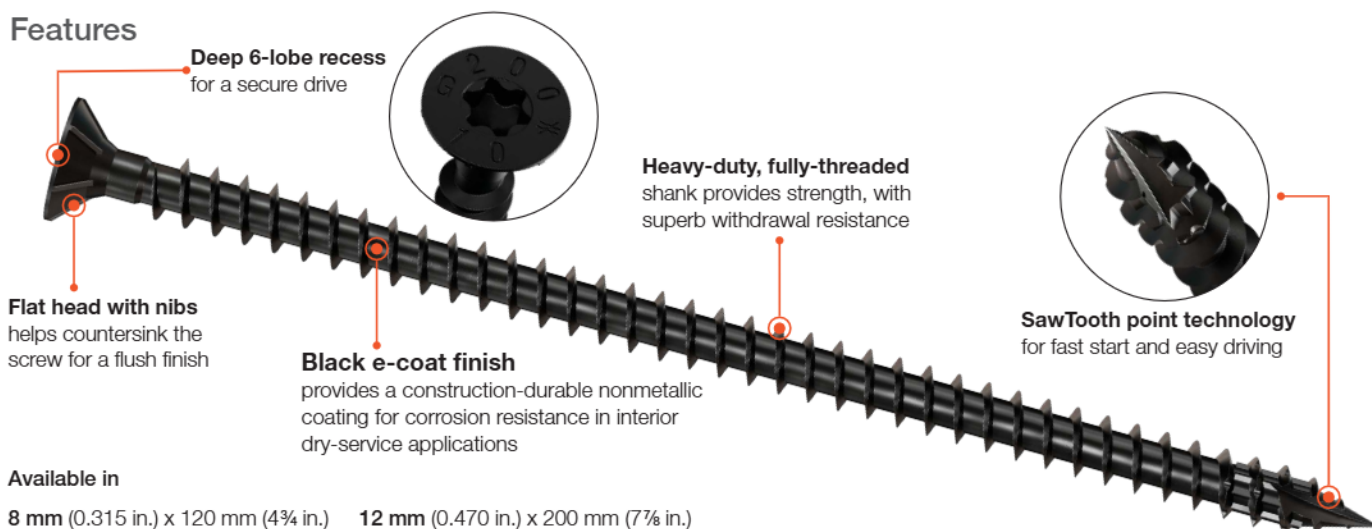
- Compression reinforcement
- Beam reinforcement
- Wood-to-wood connections
- Concealed beam connectors
- Knife plate connectors
- Lifting devices

Codes/Standards: ICC-ES ESR-3046 approved

Compliant with CSA O86:24 requirements

For more information on Hydrogen Embrittlement, see TEB-F-SCRWDUR25

Features



Available in

8 mm (0.315 in.) x 120 mm (4¾ in.) to 350 mm (13¾ in.) lengths

12 mm (0.470 in.) x 200 mm (7⅞ in.) to 600 mm (23⅞ in.) lengths

10 mm (0.390 in.) x 100 mm (4 in.) to 450 mm (17¾ in.) lengths

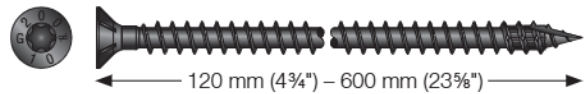
1. The diameters listed represent the major diameter of the Strong-Drive SDCF Timber-CF screw.
2. Determine the appropriate size of the screw for the thickness of the panel and angle of the installation, ensuring that the point of the screw does not protrude from the opposite face of the panel.

**Compliant with CSA O86:24
hydrogen embrittlement requirements**

For Mass Timber CLT, MPP, NLT, etc.

When shear strength and withdrawal resistance are critical

The Strong-Drive SDCF Timber-CF heavy-duty structural fastener: Its fully-threaded shank and flat head with nibs make it the ideal choice for use in mass timber applications where high withdrawal and shear resistance plus a flush finish are in demand. Backed by our reliable nationwide distribution network, it's readily available to meet your project demands wherever you are.



Strong-Drive SDCF TIMBER-CF Screw

Model No.	Dimensions								Mini-Bulk Packaging SKU	Mini-Bulk Fasteners per Pack	Box Packaging SKU	Fasteners per Box
	Millimeters				Inches							
	OD x Length	Shank Dia.	Thread Length	Head Dia.	OD x Length	Shank Dia.	Thread Length	Head Dia.				
SDCF8X120	8 x 120	5.9	110	15	0.315 x 4¾	0.230	4¾	0.590	SDCF8X120-R50	50	SDCF8X120	250
SDCF8X140	8 x 140	5.9	130	15	0.315 x 5½	0.230	5½	0.590	SDCF8X140-R50	50	SDCF8X140	250
SDCF8X160	8 x 160	5.9	150	15	0.315 x 6¼	0.230	5¾	0.590	SDCF8X160-R50	50	SDCF8X160	250
SDCF8X180	8 x 180	5.9	170	15	0.315 x 7	0.230	6¾	0.590	SDCF8X180-R50	50	SDCF8X180	250
SDCF8X200	8 x 200	5.9	190	15	0.315 x 7¾	0.230	7½	0.590	SDCF8X200-R50	50	SDCF8X200	250
SDCF8X220	8 x 220	5.9	210	15	0.315 x 8¾	0.230	8¼	0.590	SDCF8X220-R50	50	SDCF8X220	250
SDCF8X240	8 x 240	5.9	230	15	0.315 x 9½	0.230	9	0.590	SDCF8X240-R50	50	SDCF8X240	250
SDCF8X260	8 x 260	5.9	250	15	0.315 x 10¼	0.230	9¾	0.590	SDCF8X260-R50	50	SDCF8X260	250
SDCF8X300	8 x 300	5.9	290	15	0.315 x 11¾	0.230	11½	0.590	SDCF8X300-R50	50	SDCF8X300	250
SDCF8X350	8 x 350	5.9	340	15	0.315 x 13¾	0.230	13¾	0.590	SDCF8X350-R50	50	SDCF8X350	250
SDCF10X100	10 x 100	7.1	88	18.5	0.390 x 4	0.290	3¾	0.725	SDCF10X100-R30	30	SDCF10X100	250
SDCF10X160	10 x 160	7.1	148	18.5	0.390 x 6¼	0.290	6	0.725	SDCF10X160-R30	30	SDCF10X160	250
SDCF10X200	10 x 200	7.1	188	18.5	0.390 x 7¾	0.290	7¾	0.725	SDCF10X200-R30	30	SDCF10X200	250
SDCF10X240	10 x 240	7.1	228	18.5	0.390 x 9½	0.290	9	0.725	SDCF10X240-R30	30	SDCF10X240	250
SDCF10X280	10 x 280	7.1	268	18.5	0.390 x 11	0.290	10½	0.725	SDCF10X280-R30	30	SDCF10X280	150
SDCF10X360	10 x 360	7.1	348	18.5	0.390 x 14	0.290	13¾	0.725	SDCF10X360-R25	25	SDCF10X360	150
SDCF10X400	10 x 400	7.1	388	18.5	0.390 x 15¾	0.290	15¼	0.725	SDCF10X400-R25	25	SDCF10X400	100
SDCF10X450	10 x 450	7.1	426	18.5	0.390 x 17¾	0.290	16¾	0.725	SDCF10X450-R25	25	SDCF10X450	100
SDCF12X200	12x200	8.2	180	22.2	0.470 x 7¾	0.315	7	0.875	SDCF12X200-R25	25	SDCF12X200	200
SDCF12X240	12x240	8.2	220	22.2	0.470 x 9½	0.315	8¾	0.875	SDCF12X240-R25	25	SDCF12X240	150
SDCF12X280	12x280	8.2	260	22.2	0.470 x 11	0.315	10¼	0.875	SDCF12X280-R25	25	SDCF12X280	150
SDCF12X350	12x350	8.2	330	22.2	0.470 x 13¾	0.315	13	0.875	SDCF12X350-R25	25	SDCF12X350	100
SDCF12X450	12x450	8.2	425	22.2	0.470 x 17¾	0.315	16¾	0.875	SDCF12X450-R25	25	SDCF12X450	100
SDCF12X600	12x600	8.2	575	22.2	0.470 x 23¾	0.315	22¾	0.875	—	—	SDCF12X600	50

1. OD denotes thread outer diameter.

2. 6-lobe driver bit sizes: T40 for all 8 mm (0.315") diameter fasteners; T50 for all 10 mm (0.390") and 12 mm (0.470") diameter fasteners.

Replacement bit part number: BIT40T-134-R2; BIT50T-2-R1.

Warning: Industry studies show that hardened fasteners can experience performance problems in wet and corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.