

RTA/RTB/RTC/RTF/RTRZ/RTT/RTU/FWH

Rigid Tie® Connectors

Rigid Tie connector products are great utility connectors used to connect wood members together in a variety of ways. See the table and drawings for possible wood member connections.

Material: RTC44 — 14 gauge; RTA2 — 16 gauge; RTRZ and RTB — 20 gauge; all others — 18 gauge

Finish: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, pp. 12–15. **Select models available in black powder coat; see strongtie.com for options.**

Installation:

- Use all specified fasteners; see General Notes
- Always follow manufacturer's instructions when using power tools and building equipment

Codes: See p. 11 for Code Reference Key Chart

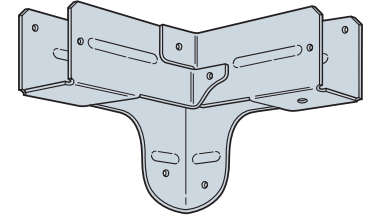
These products are available with additional corrosion protection. For more information, see p. 14.

SD Many of these products are approved for installation with Strong-Drive® SD Connector screws. See pp. 348–352 for more information.

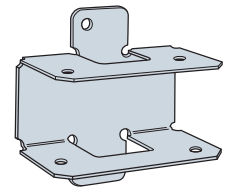


WBSK

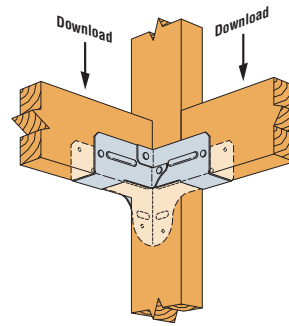
The Workbench/Shelving Kit is a fast-easy way to build a workbench and many other DIY-type projects that need a four-corner base. Visit strongtie.com/diy for more information.



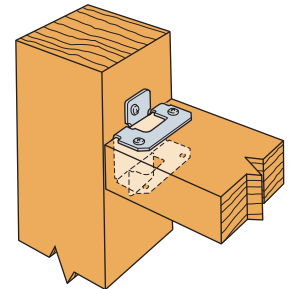
RTC2Z



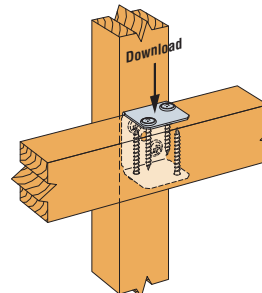
RTRZ



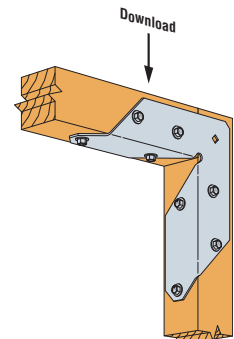
RTC2Z Installation



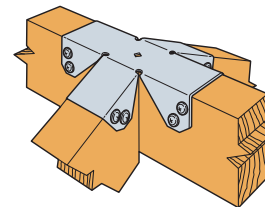
RTRZ Installation



RTU2 Installation



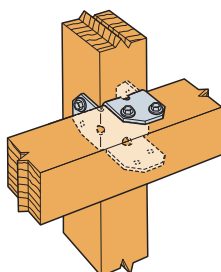
RTA2Z Installation



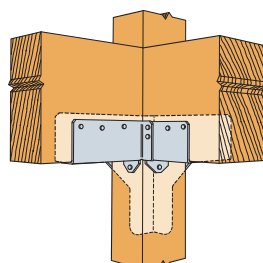
FWH2 Installation

Model No.	Post Size	Joist Size	Fasteners (Total) (in.)		Allowable Loads (DF/SP)		Code Ref.
			Post	Joist	Floor (100)	Roof (125)	
FWH2	2x	2x	(8) #8 x 1 1/4" SD	(8) #8 x 1 1/4" SD	N/A	N/A	
RTA2Z	2x	2x	(4) #9 x 1 1/2" SD	(4) #9 x 1 1/2" SD	150	150	
RTA4	4x	4x	(7) #8 x 1 1/4" SD	(5) #8 x 1 1/4" SD	N/A	N/A	
RTB22	2x	2x	(4) #8 x 1 1/4" SD	(4) #8 x 1 1/4" SD	N/A	N/A	
RTC22Z	2x	2x	(5) #9 x 1 1/2" SD	(6) #9 x 1 1/2" SD	775	775	
RTC2Z	2x4	2x	(6) #8 x 1 1/4" SD	(6) #8 x 1 1/4" SD	300	375	IBC, FL, LA
			(6) 0.148 x 1 1/2	(6) 0.148 x 1 1/2	710	875	
			(6) #9 x 1 1/2" SD	(6) #9 x 1 1/2" SD	1,025	1,260	
RTC42	4x4	2x	(14) #8 x 1 1/4" SD	(8) #8 x 1 1/4" SD	650	810	IBC, FL, LA
			(14) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,975	2,430	
			(14) #10 x 1 1/2" SD	(8) #10 x 1 1/2" SD	2,420	3,030	
RTC44	4x4	4x	(14) 0.148 x 3 1/4	(15) 0.148 x 3 1/4	1,770	2,140	IBC, FL, LA
			(14) 0.162 x 3 1/2	(15) 0.162 x 3 1/2	2,085	2,530	
			(14) #10 x 1 1/2" SD	(15) #10 x 1 1/2" SD	2,420	3,030	
RTF2Z	2x4	2x	(4) #9 x 1 1/2" SD	(8) #9 x 1 1/2" SD	685	855	
RTT22Z	2x	2x	(3) #9 x 1 1/2" SD	(7) #9 x 1 1/2" SD	500	500	
RTRZ	2x	2x	(2) #8 x 1 1/4" SD	(4) #8 x 1 1/4" SD	N/A	N/A	
RTU2	2x	2x	(2) #8 x 1 1/4" SD	(4) #8 x 1 1/4" SD	N/A	N/A	

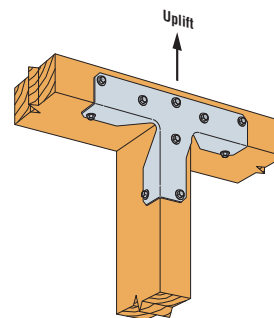
1. Allowable loads must be equally distributed on both joists.
2. **Fasteners:** Nail dimensions are listed diameter by length. SD screws are Simpson Strong-Tie® Strong-Drive SD Connector screws. See pp. 21–22 for fastener information.



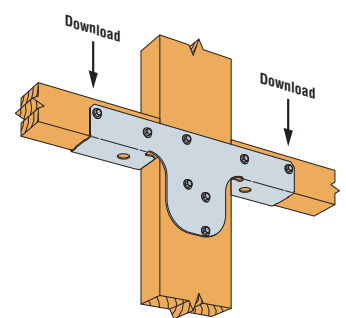
RTB22 Installation



RTC44 Installation (RTC2Z similar)



RTT22Z Installation



RTF2Z Installation