

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. 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. 13 for Code Reference Key Chart

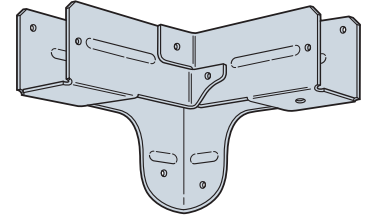
These products are available with additional corrosion protection. For more information, see p. 16.

SD Many of these products are approved for installation with Strong-Drive® SD Connector screws. See pp. 362–366 for more information.

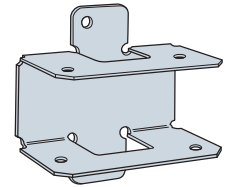


WBSK

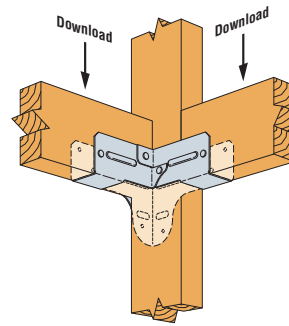
The Workbench/Shelving Kit is a fast-easy way to build a workbench and many other DIY-type projects that need a four-corner base. Visit strongtie.com/diy for more information.



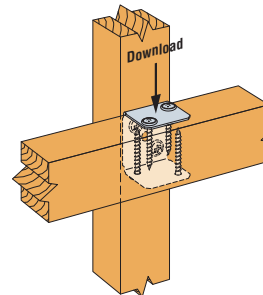
RTC2Z



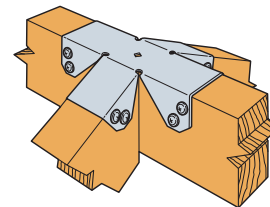
RTRZ



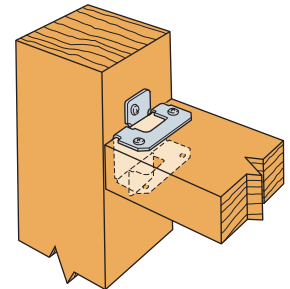
RTC2Z Installation



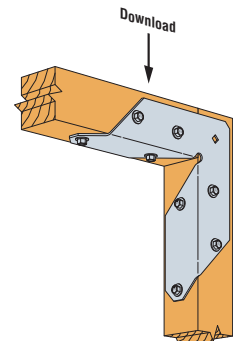
RTU2 Installation



FWH2 Installation



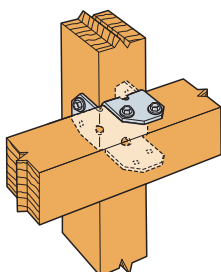
RTRZ Installation



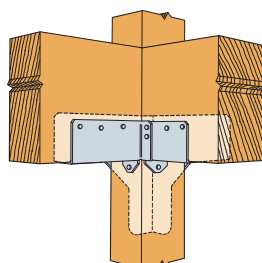
RTA2Z Installation

Model No.	Post Size	Joist Size	Fasteners (Total) (in.)		DF/SP Allowable Loads		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	
RTC2Z2	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	
			(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	
			(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	
RTT2Z2	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	

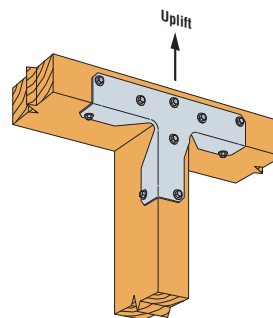
1. Allowable loads must be equally distributed on both joists.
2. **Fasteners:** Nail dimensions are listed diameter by length. SD screws are Simpson Strong-Tie Strong-Drive SD Connector screws. See pp. 23–24 for fastener information.



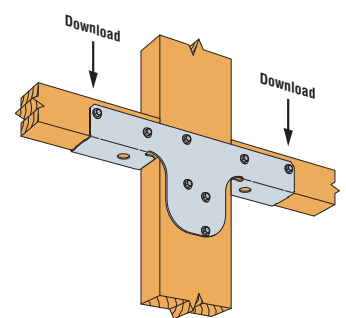
RTB22 Installation



RTC44 Installation
(RTC2Z similar)



RTT2Z2 Installation



RTF2Z Installation