



MAXIMUM CAPACITY (LBS)

	FASTENER	#	CONC (PSI)	EMBED (IN)	EDGE DIST. (IN)	SPAC (IN)	#10 SDS	UPLIFT P1	HORIZ P2
423HD14	Kwik Bolt 3 3/8" Dia.	1	3000	1.625	4	NA	4	910	485
				2.5	4	NA	5	1200	485
		4000	1.625	4	NA	5	1095	485	
			2.5	4	NA	5	1200	485	
	3/8" HIT HY 150 MAX	1	2000	1.75	4	NA	3	725	485
				3.375	4	NA	5	1200	485
4000			1.75	4	NA	5	1155	485	
				3.375	4	NA	5	1200	485
426HD14	Kwik Bolt 3 3/8" Dia.	2	3000	1.625	3	3.25	4	1675 ¹	795 ¹
				2.5	3	4	5	2090 ¹	795 ¹
		4000	1.625	3	3.25	5	2015 ¹	795 ¹	
			2.5	3	3.25	10	2200 ²	970 ²	
	3/8" HIT HY 150 MAX	2	2000	1.75	3	3.375	4	1450 ¹	795 ¹
				3.375	3	3.375	10	2400 ²	970 ²
			4000	1.75	3	3.375	10	2310 ²	970 ²
		3.375		3	3.375	10	2400 ²	970 ²	
				3.375	3	3.375	10	2400 ²	970 ²

¹ Web or Heel block must be 046 min

² Web or Heel block must be double 035 min

- 1) Min. screw spacing & edge distance = 9/16".
- 2) Refer to the Hilti Product Technical Guide for installation requirements and application limits.
- 3) Equivalent fasteners may be substituted.
- 4) Place fasteners in line w/ holes in the HD14.
- 5) When this connection detail is applied to both plies of a 2-ply truss, the capacities double.
- 6) This detail does not indicate or imply that the depicted bearing is structurally adequate for the loads shown. Design of bearing is req'd.
- 7) Max Reactions show are non-concurrent.



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USC TRUSS TO BEARING CONNECTION
423/426HD14 - CONCRETE

DETAIL NO.

C-CON-1

CATEGORY

STANDARD DETAILS

DATE

3/3/09