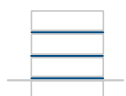




SCHÖCK BOLE® SR

Punching Shear Reinforcement.

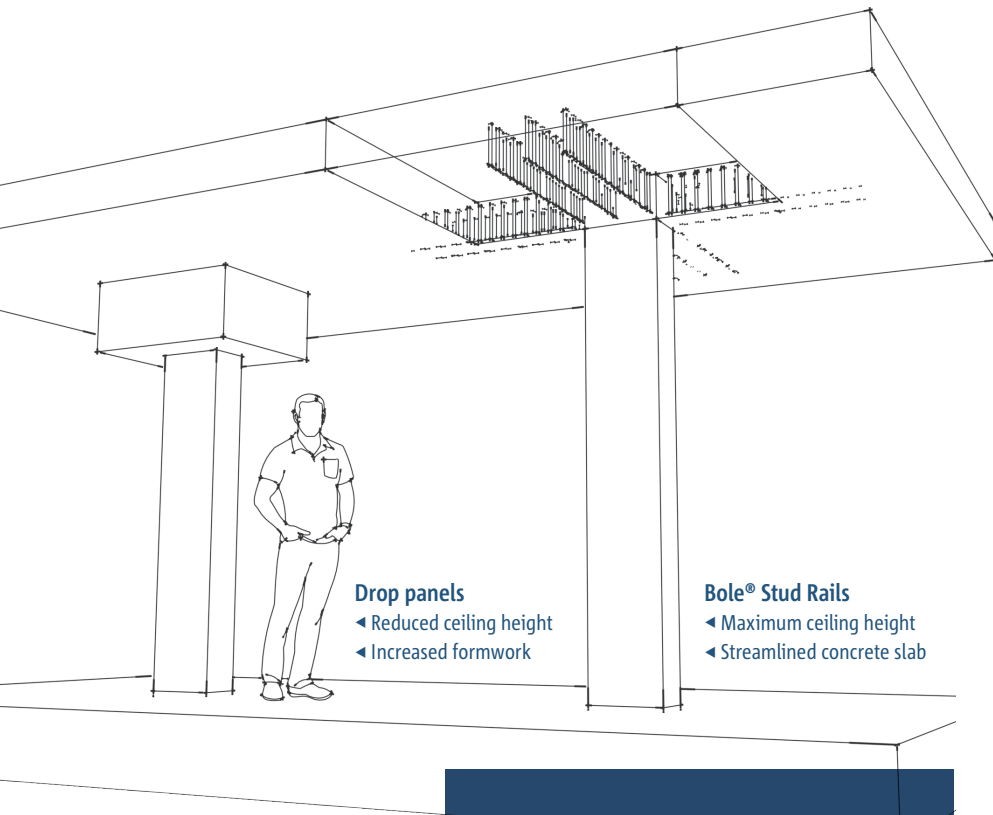


Stud rails for concrete slab reinforcement

SCHÖCK BOLE® SR

Punching shear reinforcement you can rely on.

High loads at column connections of flat slabs can cause punching shear failure. Schöck Bole® provides reliable shear force resistance and prevents punching shear failure.



Slimmer floor slabs
Increase punching shear strength without increasing slab thickness.
Simple. Effective. Efficient.

Schöck Bole® SR is an efficient and effective solution when reinforcing concrete slabs against punching shear failure. It guarantees optimum force resistance around columns and provides a yield strength of 72,500 psi.

Flexible installation

Double-headed configuration can be installed before or after placing slab rebar

Dependable force resistance

Anchor heads reliably transfer the forces

Easy to position

Studs are attached to nonstructural rails to ensure correct spacing

Engineered for optimal bonding

Deformed shaft improves bond to concrete

Perfect anchoring

Forged, double-headed studs, in accordance with ASTM 1044-16

ICC approved (ICC-ESR 4656) 



Double-headed configuration

for flexible installation, prior to or after placement of the reinforcement steel.



Schöck Bole® SR

	Material	Yield strength, psi [MPa]	Tensile strength, psi [MPa]	Ultimate strain [%]	Status
Bole® SR	B500B	> 72,500 [500]	> 78,300 [540]	> 20	OK
ASTM 1044-16	S350	> 51,000 [350]	> 65,000 [450]	> 20	OK

Load-bearing resistance

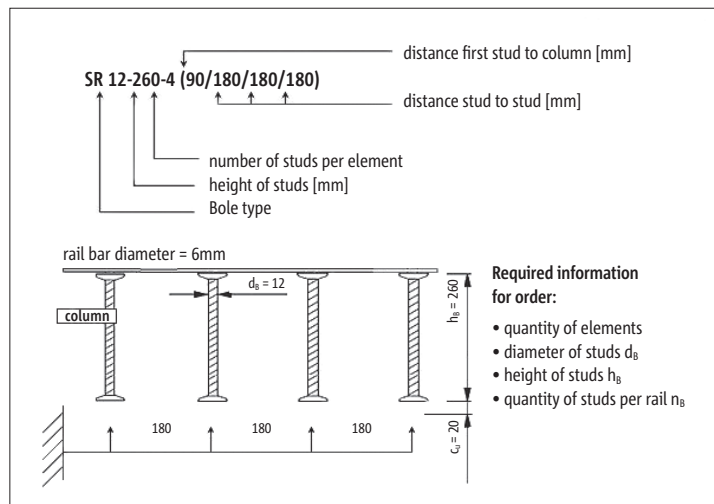
Stud diameter d_s		Yield strength, lbs [kN]		Tensile strength, lbs [kN]	
in	mm	Bole® SR	ASTM	Bole® SR	ASTM
3/8"	10	8,840 [39.3]	5,580 [24.8]	9,530 [42.4]	7,170 [31.9]
1/2"	12	12,700 [56.5]	9,960 [44.3]	13,740 [61.1]	12,810 [57.0]
5/8"	16	22,600 [101]	15,620 [69.5]	24,410 [109]	20,100 [89.4]
3/4"	20	35,300 [157]	22,550 [100]	38,130 [170]	28,980 [129]

Stud geometry

Stud diameter d_s		Head diameter d_h		Anchorage area head	
in	mm	in	mm	in ²	mm ²
3/8"	10	1 1/4"	32	1.13"	726
1/2"	12	1 1/2"	40	1.77"	1144
5/8"	16	2"	51	2.86"	1842
3/4"	20	2 1/2"	64	4.50"	2903

Available stud dimensions

Stud diameter d_s , in [mm]	Available length, in [mm]
3/8" [10]	5 1/8 - 27 1/2" [130 - 700]
1/2" [12]	5 1/8 - 27 1/2" [130 - 700]
5/8" [16]	6 3/4 - 55 1/8" [160 - 1400]
3/4" [20]	7 7/8 - 55 1/8" [200 - 1400]



Schöck North America
 www.schoeck.com
 sales-na@schoeck.com
 855 572 4625

Schöck USA Inc.
 281 Witherspoon Street, Suite 110
 Princeton, NJ 08540 USA

Schöck Canada Inc.
 116 Albert Street, Suite 300
 Ottawa, ON K1P 5G3 CANADA