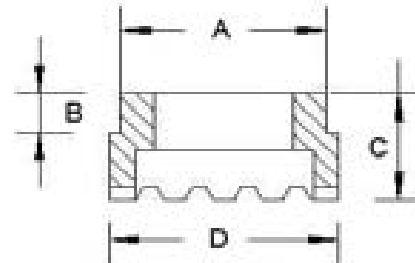
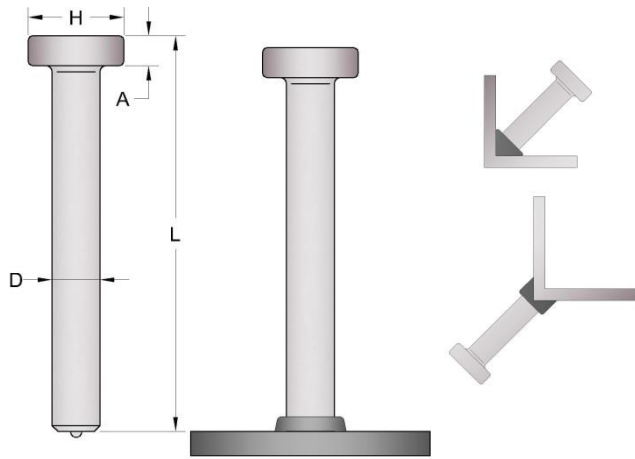


SC SHEAR CONNECTOR

Type A studs shall be general purpose of any type and size used for purposes other than shear transfer in composite beam design and construction.

Type B studs shall be studs that are headed, bent, or of other configuration in 3/8" [10 mm], 1/2" [12 mm], 5/8" [16 mm], 3/4" [20 mm], 7/8" [22 mm], and 1" [25 mm] diameter that are used as an essential component in composite beam design and concrete anchorage design.



STUD SPECIFICATIONS			FERRULE SPECIFICATIONS				
D	A	H	Part No.	A	D	B	C
3/4	.375	1.250	34FER	1.030	1.235	.191	.656
			34TFER	1.210	1.325	.195	.600

Description	Part No.	Pieces Box	Pounds Box	Pounds M Pieces	Description	Part No.	Pieces Box	Pounds Box	Pounds M Pieces
3/4 x 2-3/16	SC342	150	54	353	3/4 x 5-7/8	SC3457	75	62	810
3/4 x 3-3/16	SC343	125	60	478	3/4 x 6-3/16	SC346	60	52	852
3/4 x 3-3/8	SC3433	125	62	500	3/4 x 7-3/16	SC347	60	60	968
3/4 x 3-7/8	SC3437	100	58	567	3/4 x 8-3/16	SC348	50	56	1,105
3/4 x 4-3/16	SC344	100	61	600	3/4 x 9-3/16	SC349	50	62	1,222
3/4 x 4-3/8	SC3443	100	62	625	3/4 x 10-3/16	SC3410	40	55	1,339
3/4 x 4-7/8	SC3447	75	51	683	3/4 x 12-3/16	SC3412			1,590
3/4 x 5-3/16	SC345	75	56	735	3/4 x 16-3/16	SC3416			2,081
3/4 x 5-3/8	SC3453	75	58	754					

All Cox Industries Shear Connector Studs meet current AWS D1.1 and CSA W59 specifications.

SHEAR CONNECTOR STUDS are designed to effectively tie the concrete to the steel beams and to resist shear loadings between the concrete slab and the steel beam in composite construction.

FERRULES: All orders for studs include required ferrules for welding. Please specify when ordering what type of ferrule is required for your application.

LENGTH: Length is before weld. Stud diameters (D) 1/2" and under will be approximately 1/8" shorter after weld.

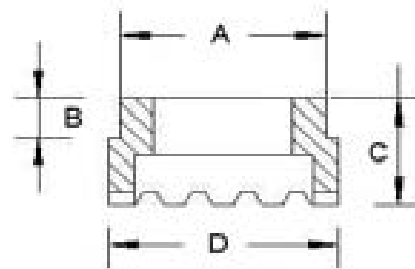
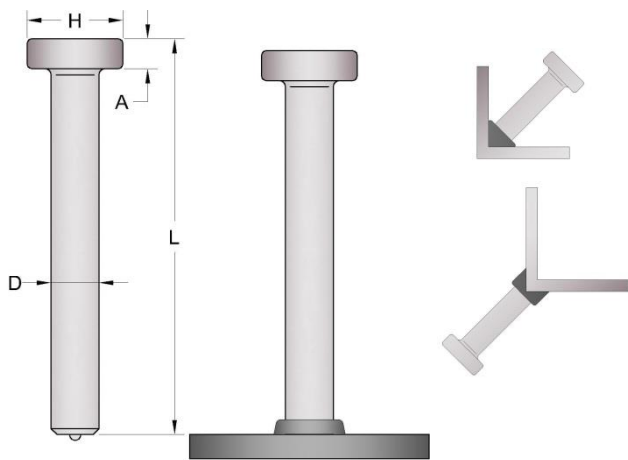
MATERIAL: Low carbon steel, ASTM A29/A108, 1010-1020. Headed Concrete Anchors are also available in weldable stainless steel, type 302 is most common.

MADE TO ORDER LENGTHS AVAILABLE UPON REQUEST

Mechanical Properties Requirements

	Type A	Type B
Tensile Strength	61,000 psi min	65,000 psi min
Yield Strength	49,000 psi min	51,000 psi min
Elongation (% in 2")	17% min	20% min
Elongation (% in 5x dia)	14% min	15% min
Reduction of Area	50% min	50% min

SC SHEAR CONNECTOR



STUD SPECIFICATIONS			FERRULE SPECIFICATIONS				
D	A	H	Part No.	A	D	B	C
7/8	.375	1.375	78FER	1.210	1.430	.195	.715

Description	Part No.	Pieces Box	Pounds Box	Pounds M Pieces	Description	Part No.	Pieces Box	Pounds Box	Pounds M Pieces
7/8 x 3-3/16	SC783	100	64	631	7/8 x 8-3/16	SC788	40	60	1,479
7/8 x 4-3/16	SC784	75	61	811	7/8 x 9-3/16	SC789	35	59	1,665
7/8 x 5-3/16	SC785	60	59	961	7/8 x 10-3/16	SC7810	30	56	1,836
7/8 x 6-3/16	SC786	50	58	1,153	7/8 x 12-3/16	SC7812			2,173
7/8 x 7-3/16	SC787	45	60	1,322					

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FERRULES: All orders for studs include required ferrules for welding. Please specify when ordering what type of ferrule is required for your application.

LENGTH: Length is before weld. Stud diameters (D) 1/2" and under will be approximately 1/8" shorter after weld.

MATERIAL: Low carbon steel, ASTM A29/A108, 1010-1020. Headed Concrete Anchors are also available in weldable stainless steel, type 302 is most common.

MADE TO ORDER LENGTHS AVAILABLE UPON REQUEST

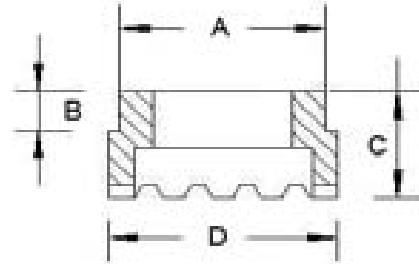
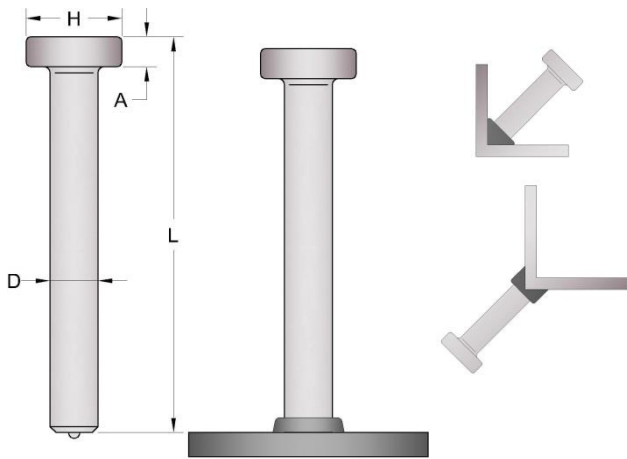
Mechanical Properties Requirements

	Type A	Type B
Tensile Strength	61,000 psi min	65,000 psi min
Yield Strength	49,000 psi min	51,000 psi min
Elongation (% in 2")	17% min	20% min
Elongation (% in 5x dia)	14% min	15% min
Reduction of Area	50% min	50% min

Type A studs shall be general purpose of any type and size used for purposes other than shear transfer in composite beam design and construction.

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SC SHEAR CONNECTOR



STUD SPECIFICATIONS			FERRULE SPECIFICATIONS				
D	A	H	Part No.	A	D	B	C
1	.500	1.625	01FER	1.406	1.620	.195	.800

Description	Part No.	Pieces Box	Pounds Box	Pounds M Pieces	Description	Part No.	Pieces Box	Pounds Box	Pounds M Pieces
1 x 3-1/4	SC13	60	55	894	1 x 8-1/4	SC18	25	51	2,022
1 x 4-1/4	SC14	50	57	1,130	1 x 9-1/4	SC19	25	56	2,225
1 x 5-1/4	SC15	40	55	1,350	1 x 10-1/4	SC110	25	62	2,475
1 x 6-1/4	SC16	35	56	1,576	1 x 12-1/4	SC112			
1 x 7-1/4	SC17	30	55	1,799					

Mechanical Properties Requirements

	Type A	Type B
Tensile Strength	61,000 psi min	65,000 psi min
Yield Strength	49,000 psi min	51,000 psi min
Elongation (% in 2")	17% min	20% min
Elongation (% in 5x dia)	14% min	15% min
Reduction of Area	50% min	50% min

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FERRULES: All orders for studs include required ferrules for welding. Please specify when ordering what type of ferrule is required for your application.

LENGTH: Length is before weld. Stud diameters (D) 1" will be approximately 1/4" shorter after weld.

MATERIAL: Low carbon steel, ASTM A29/A108, 1010-1020. Headed Concrete Anchors are also available in weldable stainless steel, type 302 is most common.