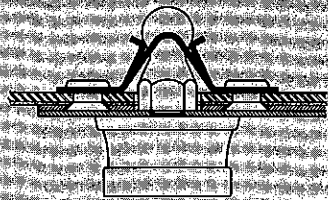
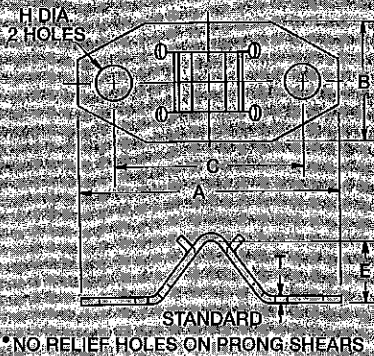


Ball-Stud Fasteners

Material: All parts are **Spring Steel**, heat treated, unless otherwise specified. The only variations available are those shown with suffix letters in the part number.
SS – Stainless Steel
Studs – low carbon steel unless otherwise specified.
Finish: See pages on finishes in the Engineering Data Bulletin 7000A.



Design Variations

Parts shown as **Standard** or with **Design Variations** are available only in that particular design.



Stud Detail*

Riveted Studs

Will accommodate panel thicknesses from .025 to .132"

P 100
P 160



P 100 – .093 MTG. RIVET
P 160 – .156 MTG. RIVET



Internally Threaded Studs

Will accommodate panel thicknesses from .025 to .214"

P 101



6-32 UNC 2B THREAD
.25 HEX. ACROSS FLATS



Externally Threaded Studs

Will accommodate panel thicknesses from .025 to .160 and .209 to .256"

P 116



.25 HEX. ACROSS FLATS
6-32 UNC 2C THREAD



Serrated Studs

Available in lengths from .500 to 1.500"

P 102



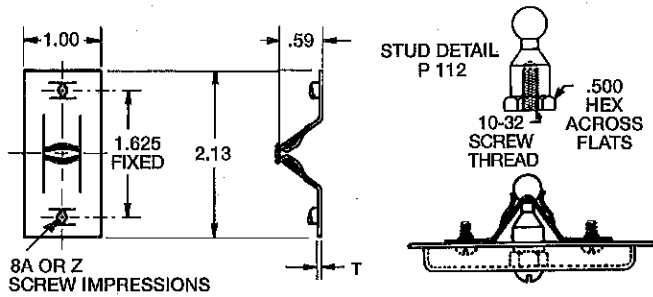
*Request further stud information from your Eaton representative or the Eaton Engineering Department.

H Hole Dia.	Des. Variation	Pull-Out Tension Stud Type	A Length	B Width	C Ctr. to Ctr.	E Height	T Mat'l. Thick.	Part Number
.105	Std.	36 New Tons 40 New Tons	25.270	11.180	—	5.590	.430	C57488SS-043M
	Std.	50-65 lbs. 40 lbs.	.970	.440	—	.220	.031	C55845-031 •
	Std.	3.5 lbs. 5 lbs.	.970	.440	.685	.220	.012	C4893-012
	Std.	3.5 lbs. 5 lbs.	.970	.440	.685	.220	.014	C4893-014
	Std.	8 lbs. 9 lbs.	.970	.440	.685	.220	.017	C4893-017
	Std.	12 lbs. 13 lbs.	.970	.440	.685	.220	.022	C4893-022
	Std.	18 lbs. 24 lbs.	.970	.440	.685	.220	.028	C4893-028
	Std.	30 lbs. 30 lbs.	.970	.440	.685	.220	.031	C4893-031
.135	Std.	3.5 lbs. 5 lbs.	.970	.440	.685	.220	.012	C1663-012
	Std.	8 lbs. 9 lbs.	.970	.440	.685	.220	.017	C1663-017
	Std.	8 lbs. 9 lbs.	.970	.440	.685	.220	.017	C1663SS-017
	Std.	12 lbs. 13 lbs.	.970	.440	.685	.220	.022	C1663-022
	Std.	18 lbs. 24 lbs.	.970	.440	.685	.220	.028	C1663-028
	Std.	18 lbs. 24 lbs.	.970	.440	.685	.220	.028	C1663SS-028
.140	A	17 lbs. 18 lbs.	1.060	.440	.750	.240	.020	C6273-020
	A	21 lbs. 22 lbs.	1.060	.440	.750	.240	.022	C6273-022
.145	Std.	3.5 lbs. 5 lbs.	.970	.440	.685	.220	.012	C4883-012
	Std.	3.5 lbs. 5 lbs.	.970	.440	.685	.220	.014	C4883-014
	Std.	8 lbs. 9 lbs.	.970	.440	.685	.220	.017	C4883-017
	Std.	12 lbs. 13 lbs.	.970	.440	.685	.220	.022	C4883-022
	Std.	18 lbs. 24 lbs.	.970	.440	.685	.220	.028	C4883-028
	Std.	30 lbs. 30 lbs.	.970	.440	.685	.220	.031	C4883-031
.156	Std.	50-65 lbs. 40 lbs.	.970	.440	.700	.220	.031	C40488-031 •
4.500	Std.	53 New Tons 58 New Tons	24.640	11.180	17.400	5.590	.560	C57439-056M
.188	Std.	18 lbs. 24 lbs.	.970	.440	.685	.220	.028	C45841-028

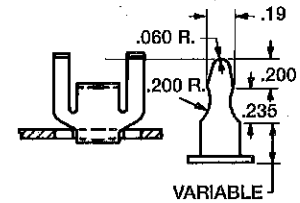
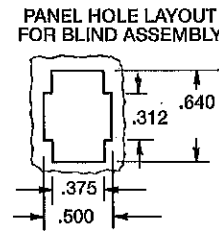
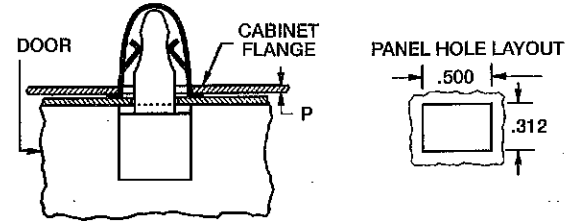
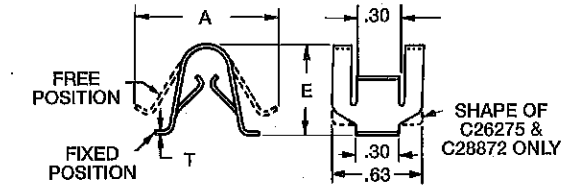
• No relief holes on prong shears.

Ball-Stud Fasteners
(Special)

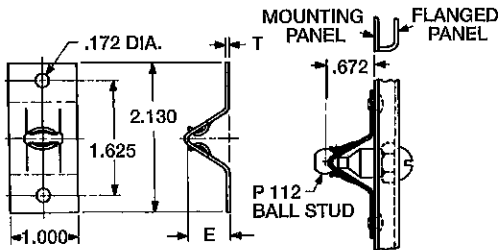
Metric parts listed in *italic*



Stud Detail	Pull-Out Tension	T	Part Number
See Above	10-16 lbs.	.017	C477-017
	28-36 lbs.	.025	C477-025
	42-48 lbs.	.028	C477-028
	46-52 lbs.	.031	C477-031



STUD DETAILS



Stud Detail	Pull-Out Tension	E	T	Part Number
See Above	10-16 lbs.	.600	.017	C4177-017
	42-48 lbs.	.580	.028	C4177-028

Stud Detail	P Panel Range	A Length	E Height	T Mat'l. Thick.	Part Number
See Above	.036-.052	.970	.650	.014	C3963-014
	.036-.052	.970	.650	.014	C3963SS-014
	.036-.052	.970	.640	.017	C3963-017
	.035-.052	.970	.640	.020	C3963-020
	.036-.052	.970	.640	.022	C3963-022
	.036-.052	1.040	.560	.012	C26275-012
	.036-.052	1.040	.560	.020	C26275-020
	.065-.087	.970	.640	.014	C4163-014
	.065-.087	.970	.640	.017	C4163-017
	.070-.080	.980	.600	.020	C28872-020
	.070-.080	.980	.600	.022	C28872-022