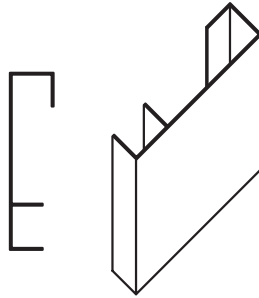


SHAFT WALL FRAMING SYSTEMS- E STUD

**PRODUCT CATEGORIES:
E STUDS**

Used to construct elevator shafts, mechanical shafts, stairwells, air return shafts and horizontal membranes.



MATERIAL PROPERTIES

Yield stress, Fy 33 ksi Ultimate, with G90 Zinc coating

ASTM & CODE STANDARDS

- Shaftwall E studs are produced to meet or exceed ASTM C645 and C955
- Galvanized sheet steel meets or exceeds requirements of ASTM A-653
- For installation & storage information refer to ASTM C1007 & C754

GREEN BENEFITS AND RECYCLED CONTENT

LEED Credit MR 2 - USGBoral products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream.

LEED Credit MR 4 - USGBoral steel products have a minimum of 25.5% post-consumer recycled content, and 6.8% pre-consumer.

SECTION & MATERIAL PROPERTIES TABLE NOTES

CH STUD	Thickness (mm)	CH Flange (mm)	CH Depth (mm)	Section Area (mm ²)	Centroid (mm)	Moment of inertia (I _{xx})(mm ⁴)	Section Modulus (S _x)(mm ³)	Radius of Gyration (mm)	Steel Mechanical Properties		
									Yield strength N/mm ²	Tensile strength N/mm ²	Elongation (%)
	0.60	25/19	64	98.40	31.89	47,974.00	1,494.00	22.90	297-308	366-372	28-29
	0.80	25/19		131.2	31.89	63,686.00	1,984.00	22.03	297-308	366-372	29-30
	0.90	25/19		147.60	31.89	71,490.00	2,227.00	22.01	297-308	366-372	29-30
	0.60	25/19	100	121.20	47.39	158,803.00	2,908.00	36.20	297-308	366-372	29-30
	0.80	25/19		161.60	47.39	211,290.00	3,869.00	36.16	297-308	366-372	30-31
	0.90	25/19		181.80	47.39	237,450.00	4,349.00	36.14	297-308	366-372	30-31
	0.60	25/19	150	151.80	71.12	429,805.00	5,288.00	53.21	297-308	366-372	30-31
	0.80	25/19		202.40	71.12	572,400.00	7,043.00	53.18	297-308	366-372	30-31
	0.90	25/19		227.70	71.12	643,571.00	7,918.00	53.16	297-308	366-372	30-31