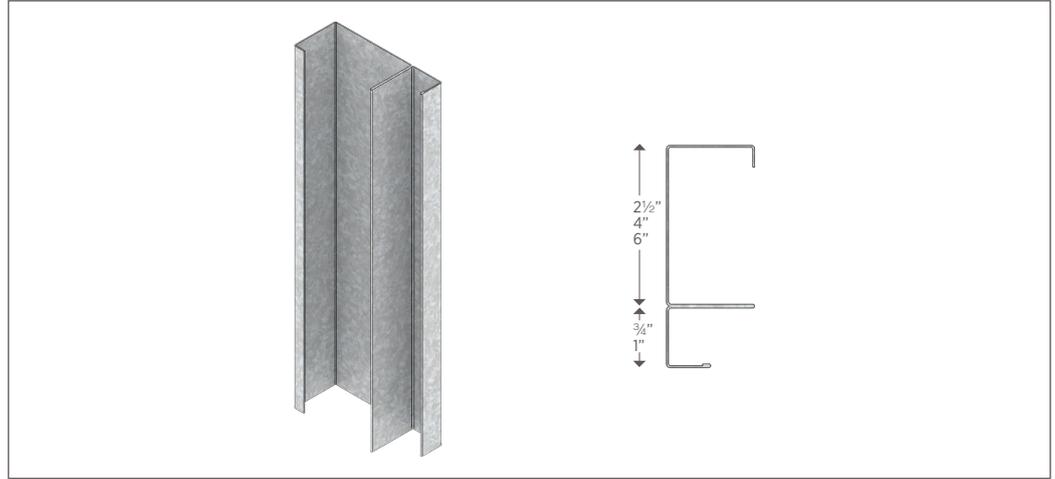


E-STUD SHAFTWALL FRAMING SYSTEMS

212 ES
400 ES
600 ES

E-Stud Depth | E-Stud



DESCRIPTION

Used to construct elevator shafts, mechanical shafts, stair shafts, services risers, air return shafts and horizontal shaft wall ceiling.

MATERIAL PROPERTIES

Yield stress, Fy 33 ksi Ultimate, with G40-G90 Zinc coating

ASTM & CODE STANDARDS

- Shaftwall 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

SECTION & MATERIAL PROPERTIES

Type	Thickness (mm)	E-Stud Flange (mm)	E-Stud Depth (mm)	Section Area (mm ²)	Centroid (mm)	Moment of inertia(Ixx) (mm ⁴)	Section Modulus (Sx)(mm ³)	Radius of Gyration (mm)	Steel Mechanical Properties		
									Yield strength N/mm ²	Tensile strength N/mm ²	Elongation (%)
E- STUD	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

GREEN BENEFITS AND RECYCLED CONTENT

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

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

REFERENCES

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.

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For further health and safety instructions, refer to the Safety Data Sheet (SDS) for this product, available from your USG Middle East sales office or USGme.com