

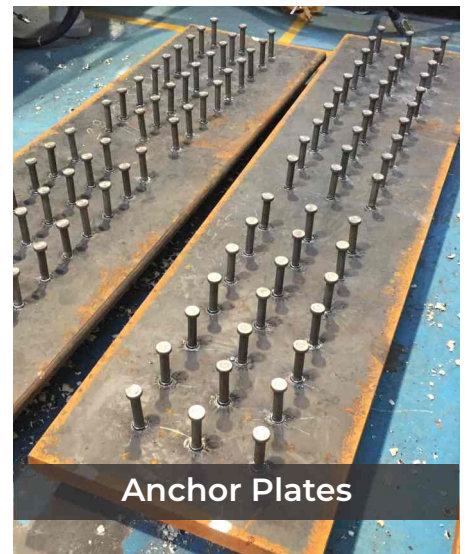
Headed Shear Connector Studs

for Composite Construction

Applications



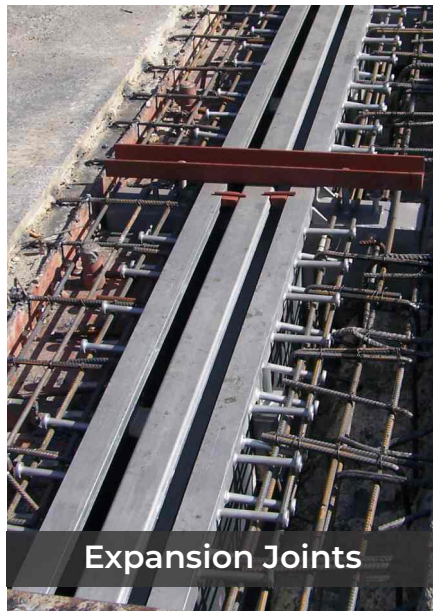
Rail over Bridges & Girders



Anchor Plates



Buildings



Expansion Joints



We can
manufacture
Shear Studs
of any diameter;
lengths from
50 mm to
300 mm

Your Advantages

- › Manufacturing as per BS ISO 13918 / AWS D 1.1
- › Complete in-house manufacturing to produce 5000 studs/hour
- › Testing and Approvals from leading Govt. Bodies and EPCs
- › Nationwide Supply network

Capabilities

Built for best weld ability and strength

India is poised to see a multi-fold increase in the use of steel in construction. Realising the need for quality shear connector studs for the growing and fast evolving market, Artech invested in a end-to-end manufacturing capability in Pune, India. The factory stands as one of the most advanced manufacturing facilities, producing Shear Connector Studs as per global standards.



About Artech Welders

- 30 Years of expertise in welding technology
- One of India's first manufactures of Shear Connector Stud Welding Machines
- Team of 80+ Engineers and Technicians
- Dedicated team for 'Contracting Services'



Raw Materials Sourced from the reputed Steel manufacturers; Traceability right up to the heat number of manufacturers batch.



Two State-of-the-art imported cold forging machines to manufacture shear connector studs with production capacity of up to 5000 studs/hour.



Complete traceability for each shear connector stud; Strong in-house QC and strength testing from independent labs.

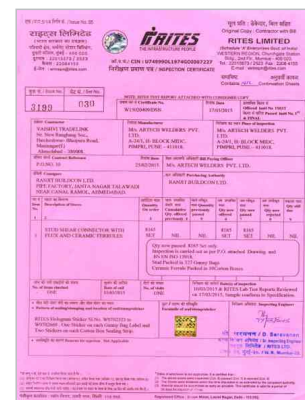
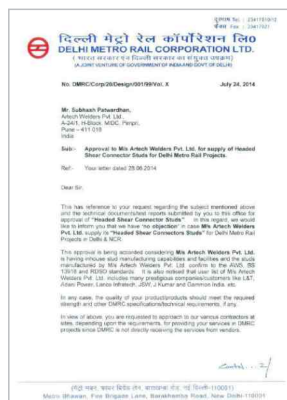


World-class packaging gives total damage protection from physical and environmental conditions; Enables easy on-site storage & handling.

Approvals

Tested and approved by leading agencies, end users and approval bodies

Artech's Shear Connector Studs have passed some of the toughest tests in the country. Approved by DMRC and other leading bodies, Artech's Shear Connector are also tested regularly for their performance and adherence to standards.



Headed Shear Connector Studs by Artech

Artech offers Shear connectors with all popular shank diameters (13, 16, 19, 22 and 25 mm) and lengths from 50 mm to 300 mm. Bare Metal or Through Deck Ceramic Ferrules supplied as per the shear connectors size and application.

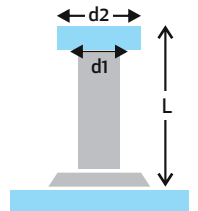


Technical Data (Shear Connectors)

Tensile Strength	Minimum 450 N/mm ²
Yield Point	Minimum 350 N/mm ²
Elongation	15 – 20% min
Carbon	Upto 0.08 – 0.18
Manganese	0.30 – 0.60
Silicon	0.15 – 0.30

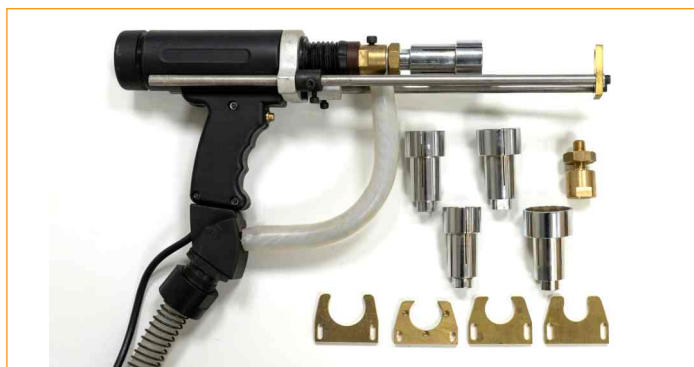
Dimensions of Shear Connectors

Stud Dia. (d1) (mm)	Length (L) (mm)
16	75 / 100 / 125 / 150300
19	75 / 100 / 125 / 150300
22	75 / 100 / 125 / 155 / 205300
25	75 / 100 / 125 / 155 / 205300



Advantages of Shear connector

- High load bearing capacity
- Heavy resistance to failure by shearing
- Faster construction in composite structures
- Easy to weld; requires no specialised skills
- Provides new possibilities construction design
- Offers required seismic resistance
- Designs with smaller column are possible

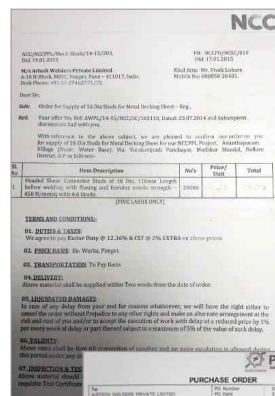


Stud Welding Gun

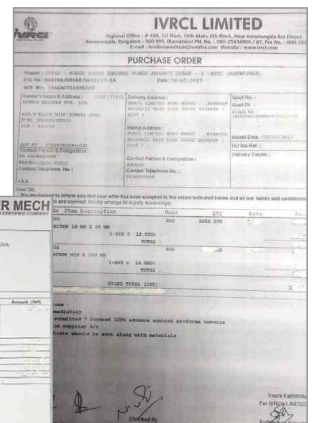
Light on weight, heavy on duty

FEATURES

- Durable design and body
- Ease of Service
- Larger Leg Diameter to resist flexing for longer length studs
- Ergonomic shape and balance to reduce operator fatigue
- Easy to attach accessories
- Multiple Connector Configurations



India's leading Architects, EPCs, Contractors trust Artech Shear Connector Studs!



& many more...

Projects



Flipkart Center,
Bengaluru



MCA Cricket
Stadium
Pune,
Maharashtra



Bharat Ratna
JRD Tata Flyover -
Pune
Maharashtra



Rail Over
Bridge, Kanpur,
Uttar Pradesh



Dehu Alandi
Flyover,
Dehu road, Pune
Maharashtra



Santa
Cruz-Chembur
Link Road -
Mumbai,
Maharashtra



Whitefield,
Bengaluru



JSW (HQ).
Mumbai,
Maharashtra

**See how Artech's Shear Connector Studs
compare with other leading brands**

World-class Quality, Faster Delivery and Economical



 **KNOW MORE**

artech
Trusted World Over

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**Prompt.
Nationwide
Support.**