

COMPANY PROFILE

Production Capabilities

Diameters

Metric: M10-M30

Inch: 7/16 - 1-1/4

Grades

Metric: Consolid 8.8 – Consolid 10.9

Inch: Consolid 5 – Consolid 8

Configurations

Round, semi-round, square

Technologies

Materials

Micro-alloyed medium high carbon SBQ steel

In House Processing

Cold draw

Shear cut

Stress relieve (*JV outsource*)

Roll thread

Phosphate and oil

Form

Cold form

Warm forge - CMP

Coatings

Outsourced Processing

Zinc Plate

Zinc Yellow

E-Coat

Geo-Met

Customer Service & Certifications

- Daimler Masters of Quality Supplier award 2010, 2011, 2012, 2013, 2014, 2015, and 2016
- **ISO 900:2008 Certification**
- **ISO TS 16949 Certification (CMP Pratsa)**
- Just in Time delivery of our products.
- Product identification and traceability
- Electronic communications via EDI or Internet



Awards



Available from

Tramec Hill Fastener Products
1602 McNeil Rd.
Rock Falls, IL 61071

Toll Free: 800-435-2955
Phone: 815-625-6600
Fax: 815-625-2407

sales@hillfastener.com

www.hillfastener.com

U-BOLT *CONSOLID-8 Series

The Process

CONSOLID-8 Series of U-bolts are cold worked through a special process that was developed and patented by **Consolidated Metal Products**. The non-traditional technology achieves high strength – without displaying the limitations of conventional heat treated bolts. Thus, with CONSOLID-8 Series U-bolts, there are no quench cracks, surface scaling, warped or twisted legs – no flaws from heat treatment. This results in a flawless installation with excellent torque retention for long operating performance

The Product

Because of the special PRATSA process, threads can be rolled right into the smaller diameter cold finished bar without losing material strength. There's no need for the extra step of machining the ends before rolling the threads. Reduced time and material in U-bolt production translate into reduced purchase costs.

Proven Performance

For over 25 years CONSOLID-8 Series U-bolts are the standard specification of the leading truck and suspension manufacturers in the United States, subsequently replacing heat treated bolts time after time. CONSOLID-8 has met their criteria in test after test, the results of which are available upon request.

Mechanical Properties

Equal to Heat Treated Counter Part

	CONSOLID-8 8.8	CONSOLID-8 9.8	CONSOLID-8 10.9
Yield Strength N/mm ² Min	660	720	940
Tensile Strength N/mm ²	830	900	1040
Min Elongation % Min	12	10	9
Reduction of Area Min	30%	30%	30%

The PRATSA Difference

The CONSOLID-8 Series is different- different in a manufacturing process that results in inherent strength and structural integrity, different in physical shape that allows for a more tightly designed suspension system at reduced weights, and different in cost that can be up to 25% less than heat treated bolts.

Find out how can CONSOLID-8 Series can make a difference to your company.

