



*Domestic Fasteners and Forgings Since 1884*

**BRIDGE CAPABILITIES**





*Domestic Fasteners and Forgings Since 1884*

**Metric  
Product  
Starting  
at M20**

## BRIDGE PRODUCTS AND SPECIFICATIONS

Since our founding in 1884, Dyson has participated in the largest and most recognizable bridges in the western hemisphere. Dyson products can be found in the the San Francisco-Oakland Bay Bridge, and The Manhattan Bridge.

### Product line includes:

- Forged Bridge Pins and Recessed Pins Nuts
- Forged wheels and shafts
- Bushings
- Eyebolts
- Clevises
- Double-Ended Studs
- Turnbuckles
- Anchor Bolts
- Upset Tie Rods
- Forged Wire Rope Sockets
- Wire Rope Components
- Open Rods (Stirrup Assemblies)
- Closed Rods (U-Bolt Assemblies)
- Jacking Rods

### SPECIFICATIONS

#### Threads

- UNC, 8UN, UNF, UNR and UNJ
- Class 2, 3 & 5
- Chaser, Single Point, Rolled or Ground
- Standard, Metric, ACME and Specials

#### Misc.

- Self Locking Fasteners
- Lockwire Holes
- Secondary Machining
- Special Machine Finishes
- Tight Tolerance Requirements
- Custom Testing and Inspection
- Special Assembly and Packaging

#### Materials

- Carbon
- Alloy
- Stainless
- Nitronic
- Monel
- K500 Monel
- Inconel
- Titanium
- Brass
- Bronze
- Copper

#### Coatings

- Zinc
- Cadmium
- Phosphate
- Ceramic
- IVD
- Chrome
- Copper Flash
- Black Oxide
- MIL-C-87115

#### Common Product Specifications

- ASTM-A193 (gr B7, B16, SS)
- ASTM-A194 (gr 2, 2H,7 & SS)
- ASTM-A307 (grades A & B)
- ASTM-A320 (gr L7 & L43)
- ASTM-A325
- ASTM-A354 (gr BC & BD)
- ASTM-A449
- ASTM-A490 (types 1 & 3)
- ASTM-A563 (gr A-C, DH & DH3)
- ASTM-A574
- ASTM-A615
- ASTM-A668 (all classes)
- ASTM-A568 (8.8, 10.9 & 12.9)
- ASTM-A709
- ASTM-A722
- SAE-J429 (grades 2, 5 & 8)
- SAE-J995 (grades 2, 5 & 8)
- Tool Steels
- DIN Standards
- ISO Standards
- Custom Requirements

### PRODUCTS

#### Bolts

	<i>Diameters</i>	<i>Lengths</i>
Hex (regular & heavy)	1/2" thru 8"	up to 60'
Square (regular & heavy)	1/2" thru 8"	up to 60'
T-Head	1" thru 8"	up to 60'
Eyebolts/Lifting Eyes	1" thru 8"	up to 60'
U-Bolts	1" thru 6"	up to 30'

#### Screws (Fitted Bolts)

	<i>Diameters</i>	<i>Lengths</i>
Hex Cap (regular & heavy)	1/2" thru 8"	up to 60'
Socket Head Cap	1/2" thru 8"	up to 60'
Slotted Head Flat	1/2" thru 8"	up to 60'
Socket Set (all types)	1/2" thru 8"	up to 60'
Flange (hex, square, and 12 pt.)	1/2" thru 8"	up to 60'

#### Studs and Rods

	<i>Diameters</i>	<i>Lengths</i>
Continuous Threaded (TFL)	1/2" thru 6"	up to 60'
Double End/Single End	1/2" thru 8"	up to 60'
Upset Tie-Rods	3/4" thru 5"	up to 60'

#### Nuts

	<i>Diameters</i>
D-LOC® (sealing lock nut/full & jam)	1" thru 6"
Various Sealing Systems	1/2" thru 3"
Hex (full & jam/regular & heavy)	1/2" thru 12"
Square (regular & heavy)	1/2" thru 18"
Capnuts (hex or socket)	1/2" thru 12"
Coupling RH/RH (all types)	3/4" thru 12"
Sleeve RH/LH (all types)	3/4" thru 12"

#### Custom Forgings

	<i>Diameters</i>	<i>10,000 lbs. Per Part</i>
Forged Bar	2" thru 20"	
Forged Plate	2" thru 20"	
Shafting	2" thru 20"	

*Critical Application and Alternate Sizes by Request*

**See Products and Specifications for other Dyson Industries**

**Wind  
Power**



**Nuclear**



**Bridges**



**Military**



**Locks and  
Dams**



**Forklift  
Arms**



**For more information, click on industry brochure!**



*Domestic Fasteners and Forgings Since 1884*

The Dyson Corporation  
53 Freedom Road  
Painesville, Ohio 44077  
Phone: 440-946-3500

Toll Free: 1-800-680-3600  
Fax: 440-352-2700  
salesquotes@dysoncorp.com  
www.dysoncorp.com