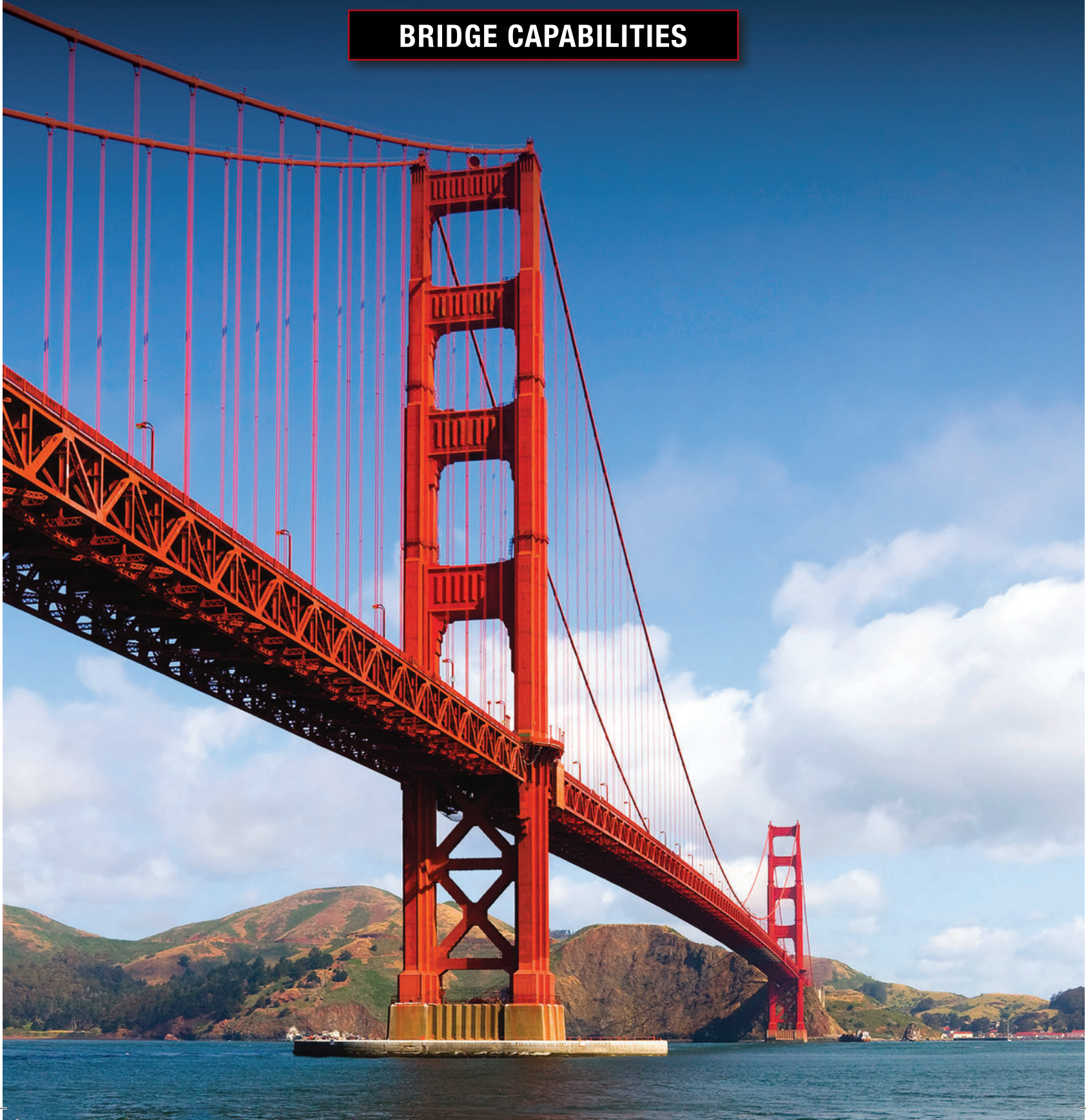




Domestic Fasteners and Forgings Since 1884

BRIDGE CAPABILITIES





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**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

	Diameters	Lengths
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)

	Diameters	Lengths
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

	Diameters	Lengths
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

	Diameters
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

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

Critical Application and Alternate Sizes by Request



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