



Domestic Fasteners and Forgings Since 1884

MINING CAPABILITIES





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**Metric
Product
Starting
at M20**

MINING PRODUCTS AND SPECIFICATIONS

Dyson manufactures an extensive variety of mining products in both standard and metric sizes. Dyson's in-house capabilities include forging, heat treating, testing and machining.

Dyson's mining accessories include:

- Taper/Liner bolts (all head configurations)
- Dyson exclusive D-LOC® sealing nuts and M-LOC® mechanical locking nuts.
- Standard and critical fasteners including hex bolts, studs, nuts and cap screws.

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-A568 (8.8, 10.9 & 12.9)
- ASTM-A574
- ASTM-A615
- ASTM-A668 (all classes)
- 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'
Liner/Taper (all styles)	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



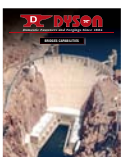
Bridges



Military



**Locks and
Dams**



**Forklift
Arms**



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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