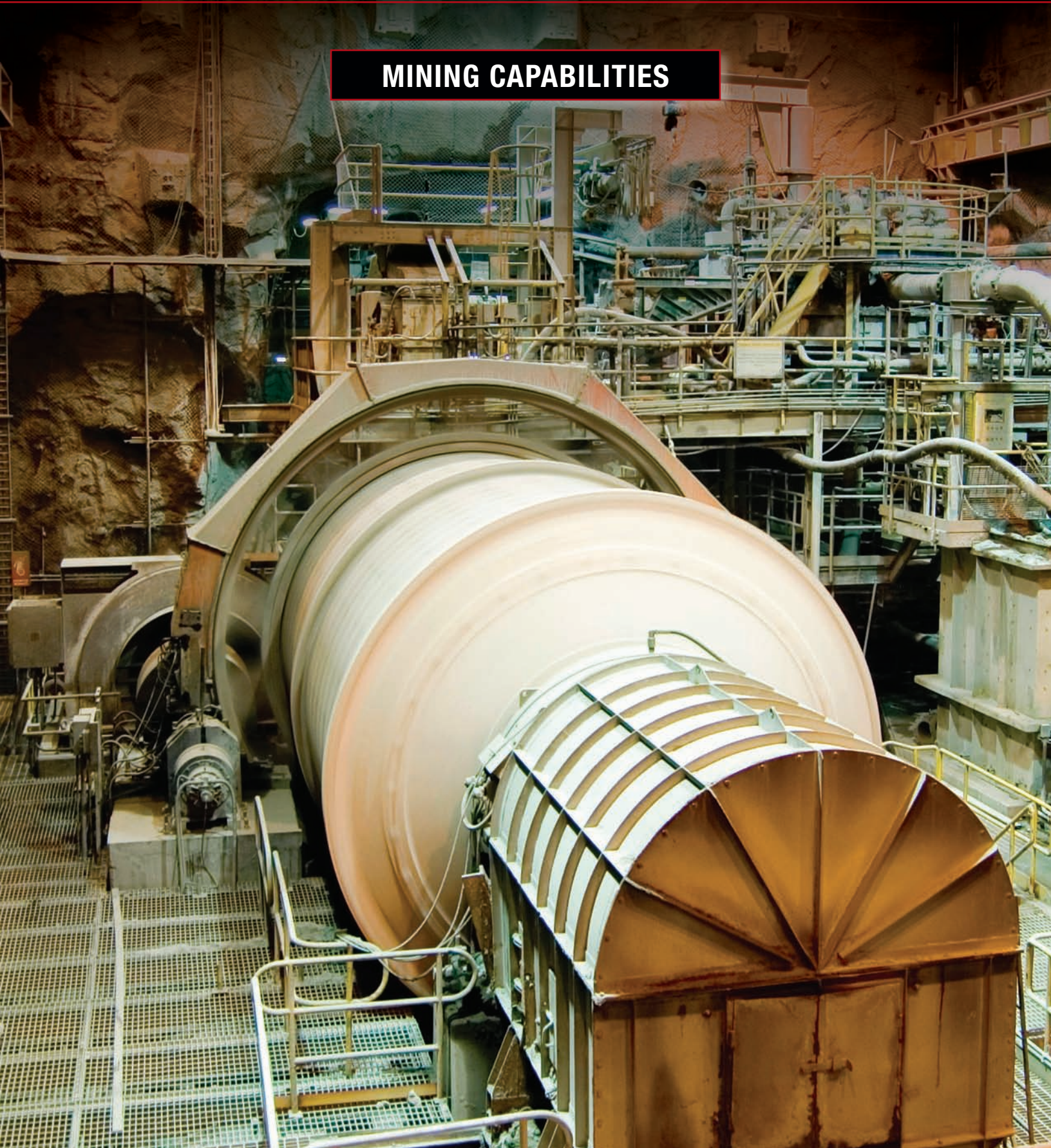




Domestic Fasteners and Forgings Since 1884

MINING CAPABILITIES





Domestic Fasteners and Forgings Since 1884

**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



For more information, click on industry brochure!



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