



*Domestic Fasteners and Forgings Since 1884*

**LOCK & DAM CAPABILITIES**





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**Metric  
Product  
Starting  
at M20**

## LOCK & DAM PRODUCTS AND SPECIFICATIONS

Dyson creates products for virtually all parts of locks and dams including tainter gate, flood gate and bulkhead gates.

### Product line includes:

- Custom Forgings
- Pins and Shafts
- Bearings and Hubs
- Heavy Hex Bolts
- Heavy Hex Nuts
- Spanner Nuts
- Lift Stems
- Diagonals
- Link Assemblies
- Turnbuckles
- Clevises
- Eyebolts/Eyebars
- Bridge Pins
- Recessed Pin Nuts
- Caps
- Achorage Pins
- Forged Plate
- Strut Pins
- Sleeve Nuts
- Jam Nuts
- Connecting Pins
- Latch Pin Assembly
- Gudgeon Links and Pins
- Standard, Butress, Square, Acme & Custom Threads Available
- Rolled Threads Available

### 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
- Restricted Carbon Content of .35% Max Available
- NDT Testing (UT, MT & Radiograph)
- Prolongation Testing Available

#### 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

	Diameters	Lengths
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)

	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	Lengths
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

See Products and Specifications for other Dyson Industries

Wind Power

Nuclear

Mining

Bridges

Military

Forklift Arms



For more information, click on industry brochure!



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