



*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**

	<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**

**Mining**

**Bridges**

**Military**

**Forklift Arms**



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