

**We are approved to BS EN ISO 9002: 1994**

**We can manufacture to any international standard you may require:**

<b>British</b>	-	<b>British Standards</b>
<b>European</b>	-	<b>EN</b>
<b>German</b>	-	<b>DIN</b>
<b>American</b>	-	<b>ANSI/ASTM</b>

**OUR RANGE OF MATERIAL GRADES IS EXTENSIVE. HYDROBOLT PRODUCES COMPONENTS FROM CERTIFIED MATERIAL, INCLUDING NICKEL ALLOYS, HIGH TENSILE & CARBON STEELS, STAINLESS STEELS, NON FERROUS METALS, AND PLASTIC/NYLON.**

**ALL GRADES PERTAINING TO THE FOLLOWING SPECIFICATIONS:**

- ASTM A193, A194 & A 320: B7, B7M, B16, B8, B8M, B8A, B8C, B8T, B8 Class 2, B8M class 2, B8MNLA, L7, L7M, L43, 2H, 2HM, 4, 7, 7M, 8, 8M, 8T & 8TM .
- AISI: 303, 304, 304L, 310, 316, 316L, 317, 317L, 321, 347, 410, 416, 431.
- Incoloy 800HT, 825, Inconel 600, 625, 718, X750, 925. Nimonic 75, 80A, 90, ASTM A453 grade 660.
- UNS 31803, 32550, 32760, AISI 904L, Carpenter 20Cb3, Hastelloy C22, C276, 254SMO, Zeron 100.
- Non-Ferrous: Aluminium, Aluminium Bronze, Phosphor Bronze, DG51043, 1044, UNS C63000, C64200, Hiduron 191, Marinel 21A, Cupronickels, Monel 400 & K500, Titanium, Waspelloy, Durehete 900, Tantalum.

**WHATEVER YOUR REQUIREMENTS JUST SEND US YOUR ENQUIRY AND LEAVE THE REST TO US.**

#### **TO SPECIFIED STANDARDS**

**BOLTS & SCREWS** - hexagonal or square head, normal & heavy series, to the following standards: ANSI: B18.2.1., BS: 1083, 1768, 3692, DIN: 931, 933, 960, 961.

#### **SOCKET OR SLOTTED HEAD CAPSCREWS TO:**

ANSI: B18.3., BS: 2470, 4168, DIN: 912, 913, 914, 915, 916, 6912.

**NUTS:** Hexagonal, self locking, bi-hexagonal, normal and heavy series. Standards: ANSI B18.2.2., BS: 1083, 1768, 1769, 3692, DIN: 934, 2510, 6915.

**ENGINEERS STUDS:** DIN 835, DIN 938, DIN 939, DIN 940, BS 4882.

**WASHERS:** Flat, tab, spring lock, according to NFE, BS, DIN, ANSI.

**TO REQUIREMENTS:** WE ARE AT YOUR SERVICE TO MEET YOUR SPECIFIC REQUIREMENTS FOR ALL NON-STANDARD ITEMS

#### **SIZE RANGE**

**METRIC** - M3 to M180 - ISO threading

**IMPERIAL** - 3/16" to 7". Threading to UNC, 8UN, BSW, BSF.

#### **COATINGS, FINISHES & OTHER ANCILLARY PROCESSES**

Almost all coatings are available, including:

Zinc plating with clear or colour passivation, hot dip galvanising, phosphating, aluminising, nickel, cadmium, xylan, Molybdenum Disulfide, PTFE.

**MOST HEAT TREATMENT PROCESSES CAN BE UNDERTAKEN TO CUSTOMER REQUIREMENTS, INCLUDING AGE HARDENING AND CASE HARDENING.**

