



# MILLINGFORD

Sub Surface Sucker Rod Pumps and Fittings



Product Catalogue



## *About Us*

Millingford is the UK's largest manufacturer of subsurface sucker rod pumps and fittings. In the early 1950's Millingford started production and has built up a successful reputation as a global brand for reliable products along with efficient customer service.

Millingford products are manufactured in United Kingdom with strict quality and safety control at the heart of the production, also bespoke pumps are available in a range of different materials to meet varying recognised international standard specifications.

The Millingford pump is a perfect combination of manufacturing, engineering and application expertise. It is our mission to continue to provide quality oil pumps at competitive prices whilst we continue to keep our company heritage with a modern global outlook.



For more information or to order call: +44 (0) 1254 615100, email: [info@allspeeds.co.uk](mailto:info@allspeeds.co.uk) or visit us online: [www.allspeeds.co.uk/millingford](http://www.allspeeds.co.uk/millingford)



## Pumps

Millingford manufacture a full range of subsurface pumps and fittings within ISO9001 QMS, in addition to a range of bespoke products to meet customer requirements.

Pump bore sizes range from 1" to 4 3/4" diameter with mechanical, cup type (chevrons) or friction type hold downs available in a variety of materials to suit specific well conditions.

### *Rod (Insert) Pumps*

Thin wall barrel pumps for use in shallow to medium depth walls.

RWA– Rod pump, thin wall, top anchor.

RWB– Rod pump, thin wall, bottom anchor.

Heavy wall barrel pumps for use in deep or hard to pump walls.

RHA– Rod pump, heavy wall, top anchor.

RHB– Rod pump, heavy wall, bottom anchor.

### *Tubing Pumps*

Heavy wall barrel pumps for medium to deep walls.

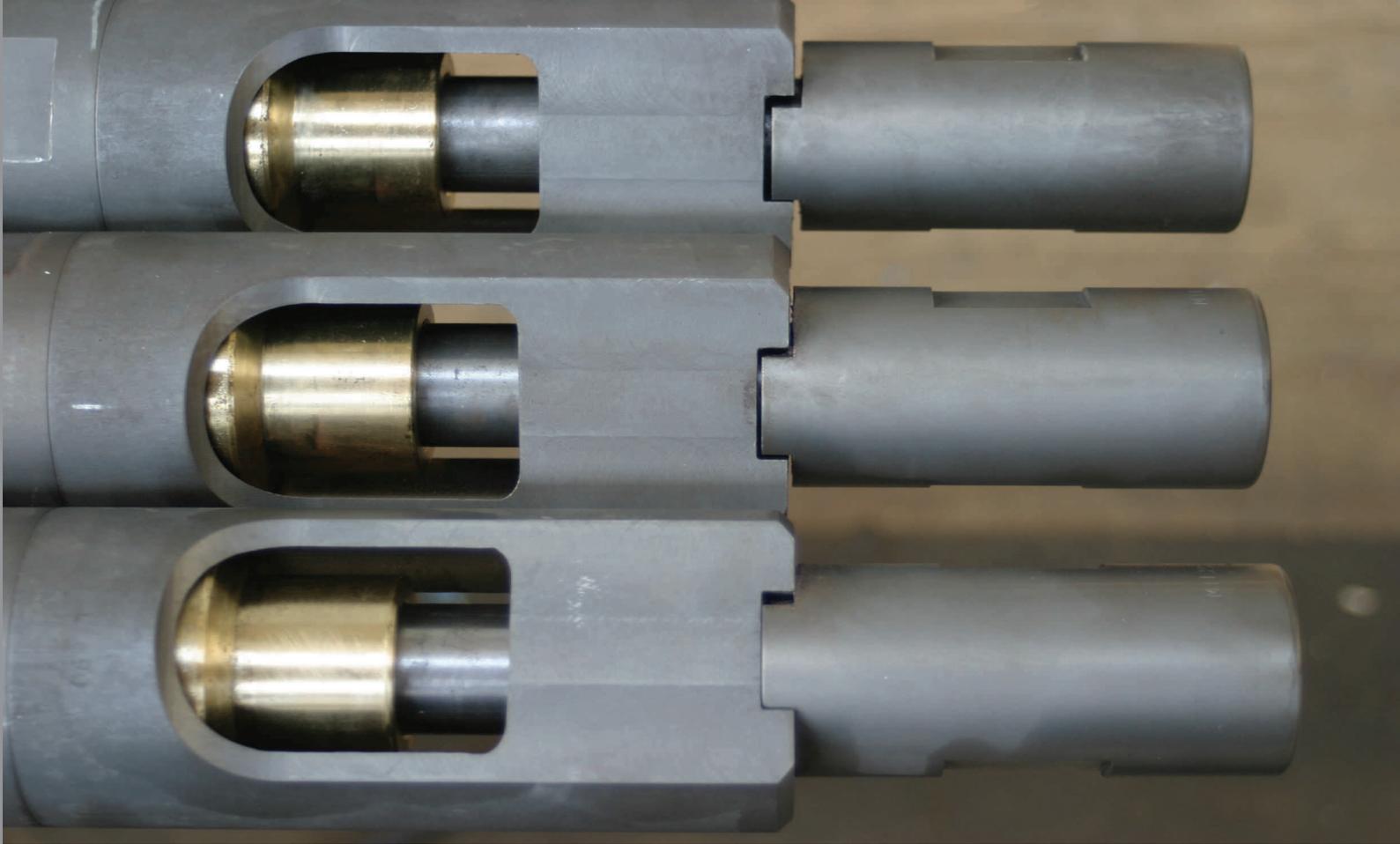
TH– Tubing pump, heavy wall, bottom anchor.

All Millingford pumps are available with mechanical or cup-type hold downs.



**MILLINGFORD**

For more information or to order call: +44 (0) 1254 615100, email: [info@allspeeds.co.uk](mailto:info@allspeeds.co.uk) or visit us online:  
[www.allspeeds.co.uk/millingford](http://www.allspeeds.co.uk/millingford)



### *Plungers*

Millingford plungers are engineered for optimum performance and longer life under the most severe well conditions where abrasion, corrosion, high water cut hand sand content or a combination of these conditions exist. Plungers can be supplied with electro less nickel plated threads and/or bores to improve performance in extreme corrosive conditions. Pin end plungers can also be supplied with stainless steel or monel pin ends.

**Chrome plated:** The outside diameter is plated to suit abrasive conditions where corrosion is not a factor.

**Metal Sprayed:** The outside diameter is sprayed with metal powder particles to give a hard (58-60RC) impervious surface for abrasive and corrosive conditions.

### *Barrels*

Millingford barrels are made from a variety of materials, they are also precision honed and are polished within specified tolerances to give an optimum surface finish. They are straightened to a maximum of 0.005" Total Indicator Reading (TIR), barrels are checked for straightness by drift testing with a 5ft long test plunger with minus 0.0005" to 0.00075" fit.

**Hardened barrels:** Made from low chrome molybdenum alloy steel with a nitride hardened bore to give a surface hardness between 58 and 63 RC. This is our standard barrel with mild to moderate corrosive and abrasive environments.

**Chrome plated:** Base material and chrome plating to customer specifications. For use in mild to moderately corrosive environments but with extremely abrasive conditions.

**Monel barrels:** Made from monel 400 which has excellent corrosion resistance properties for extremely corrosive, but non abrasive materials.



**MILLINGFORD**

For more information or to order call: +44 (0) 1254 615100, email: [info@allspeeds.co.uk](mailto:info@allspeeds.co.uk) or visit us online: [www.allspeeds.co.uk/millingford](http://www.allspeeds.co.uk/millingford)



## Valve Cages, Balls & Fittings

Millingford manufacture a full range of valve cages, balls, seats and fittings. Our valve cages and fittings are available in various styles, sizes and materials are manufactured to within ISO9001 QMS specifications.

Valve balls and seats: Due to different well conditions valve balls and seats are available in a wide range of materials such as 440C stainless steel, a range of high grade stainless steel, tungsten carbide and ceramic. Special mechanisms are used to lap each seat to a precise size and fit with a precision finished ball, and each combination is vacuum tested and individually packed to assure a matched assembly.

Valve cages: these are manufactured in a full range of styles and sizes. They are available in a wide range of materials such as carbon steel, alloy steel, stainless steel, 440C stainless steel, brass, monel and aluminium bronze.



For more information or to order call: +44 (0) 1254 615100, email: [info@allspeeds.co.uk](mailto:info@allspeeds.co.uk) or visit us online: [www.allspeeds.co.uk/millingford](http://www.allspeeds.co.uk/millingford)

**Specification for Subsurface Sucker Rod Pumps & Fittings**

**XX - XXX X X X X X - X - X - X**

**Tubing Size:** 15 [1.900 in. (48.3mm) OD]  
 20 [2 $\frac{1}{8}$  in. (60.3 mm) OD]  
 25 [2 $\frac{3}{8}$  in. (73.0 mm) OD]  
 30 [3 $\frac{1}{2}$  in. (88.9 mm) OD]  
 40 [4 $\frac{1}{2}$  in. (114.3 mm) OD]

**Pump Bore (basic):** 125 [1 $\frac{1}{4}$  in. (31.8mm)]  
 150 [1 $\frac{1}{2}$  in. (38.1 mm)]  
 175 [1 $\frac{3}{4}$  in. (44.5 mm)]  
 178 [1 25/32 in. (45.2mm)]  
 200 [2 in. (50.8 mm)]  
 225 [2 $\frac{1}{4}$  in. (57.2)]  
 250 [2 $\frac{1}{2}$  in. (63.5 mm)]  
 275 [2 $\frac{3}{4}$  in. (69.9 mm)]  
 375 [3 $\frac{3}{4}$  in. (95.3mm)]

**Type Pump:** R (rod)  
 T (tubing)

**Type Barrel:** H (heavy wall for metal plunger pumps)  
 W (thin wall for metal plunger pumps)  
 P (heavy wall for soft-packed plunger pumps)  
 S (thin wall for soft-packed plunger pumps)  
 X (heavy wall for metal plunger pumps, thin wall thread configuration)

**Location of Seating Assembly:** A (top)  
 B (bottom)  
 T (bottom, travelling barrel)

**Type Seating Assembly:** C (cup)  
 M (mechanical)

**Barrel Length in Feet**

**Nominal Plunger Length in Feet**

**Length of Upper Extension in Whole Feet**

**Length of Lower Extension in Whole Feet**



**MILLINGFORD**