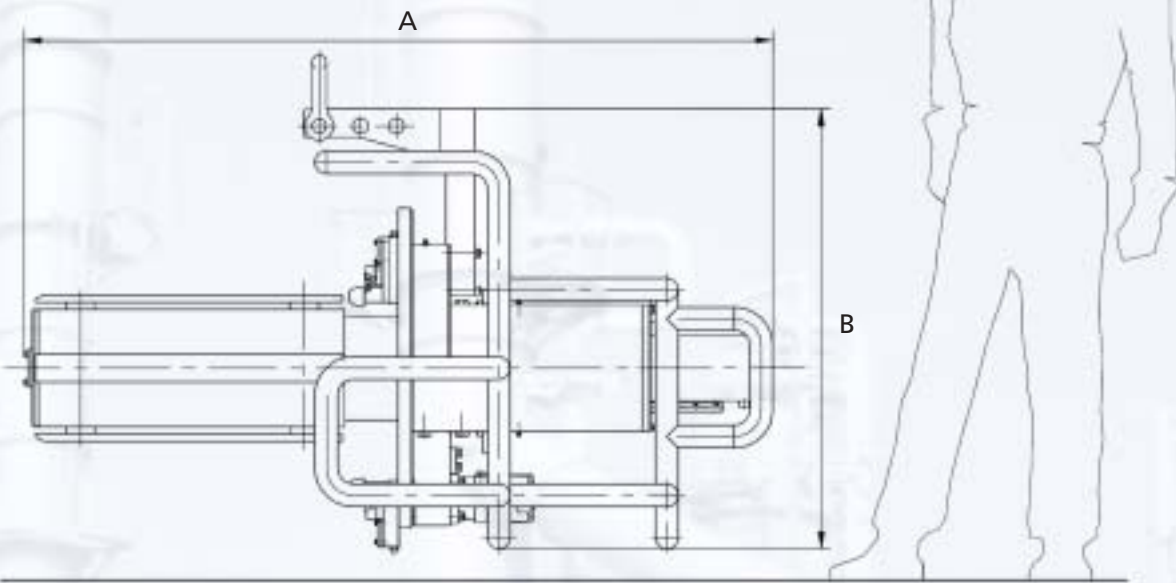


model	A	B	weight
US 80 HSB	934	630	150 kg
US 150 HSB	1270	692	250 kg
US 220 HSB	1575	935	550 kg
US 420 HSB	2280	1270	1.4 T



PROTEM

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Distributeur

PROTEM has been certified ISO 9001 since 1993

PROTEM



O I L & G A S

MACHINES

The **US-HSB** series are designed to bevel, face and counterbore tubes and pipes at extremely high speeds, required when time and efficiency are crucial.

Fully hydraulic, starting with the inside clamping system, the tool holder rotation and the feeding of the tools, these machines can be used either in the workshop as prefabrication PFM, or in the field as bevelling tools for high quality orbital welding.

These machines will perform repeatably, any high quality welding geometry preparations, from standard steel pipes to the most exotic ones like stainless steel, duplex, super duplex, and others used commonly on today's field.

They are easily transportable to insert inside the tubes to be bevelled, with their lifting bracket. With the inner self centering hydraulic clamping device only one skilled person is required to fully operate them.

Two inside profile tracking tool holders rotate simultaneously on the tool holder plate, to perform, the bevelling, facing and counterbore if required, all at once and at a very high speed on any oval pipe, leaving a root face at a constant width, for today's orbital welding high standard bevel geometry.

Its rugged construction and long lasting quality even on the harshest environment, makes the **PROTEM US-HSB** series machines, a worldwide recognition from Norway's offshore, to the Middle East desert or Alaska and Siberia's extreme weather condition and temperatures.

MACHINES CAPACITIES

US 80 HSB	6" to 10"	130 mm to 273 mm
US 150 HSB	10" to 14"	160 mm to 355 mm
US 220 HSB	14" to 22"	355 mm to 558 mm
US 420 HSB	22" to 30"	558 mm to 762 mm

MACHINES FEED TRAVEL TOOL FEED

US 80 HSB	60 mm	hydraulic
US 150 HSB	60 mm	hydraulic
US 220 HSB	150 mm	hydraulic
US 420 HSB	150 mm	hydraulic

CUTTING SPEEDS & MOTOR DRIVE

Variable from 70 to 150 m/minutes, with one or two hydraulic motors depending on wall thickness and material requirement.

OPTIONAL EQUIPEMENT

Anything specific required, please consult us.

HYDRAULIC POWER UNIT

It is a large rugged unit made with two different pumps, one with adjustable flow for the rotation of the tool holder, and the other completely independent for the inside clamping pressure and the hydraulic feed. They are air cooled or electrically heated, and incorporate the latest electrical protections switches, a complete remote control, and an Hydraulic oil filter. A 400 V, 50-60 Hz, 3 phases intake is required and the following three options are available;

30 KW electrical	50 HP	800 kg	1760 Lbs
55 KW electrical	75 HP	900 kg	1980 Lbs
75 KW thermal	100 HP	1400 kg	3080 Lbs

