



Positioner

TAP 1-HD and 3-HD



ESAB Three Axis Positioners TAP-HD are in fact the best answer to the problem of lifting, rotating and tilting demanding workpieces. Height, angle and speed are stepless adjustable. ESAB Positioners exceed the strictest international EN safety requirements. ESAB welding positioners are designed and built for tough engineering workshop conditions. All the positioners come with a low voltage (24V) remote control unit for all functions. For daily work, these new positioners offer perfect solutions with optimized motor and gear drive sizes. The positioners of TAP-HD series have 3-axis; height, tilting angle and rotation. Thus 3-axis operation guarantees the ideal ergonomic working position. The rotation speed is controlled by means of inverter. All drives are equipped with AC-motors which require less maintenance, no carbon-brush to change. The hydraulics for height and tilt adjustment are equipped with built-in safety valves preventing hose-failure. Mechanically and electrically the positioner has been designed more compact and with fewer components meaning not only easier maintenance but smaller number of spare parts as well. Compared with TAP series, TAP-HD got Higher Rotation torque, smaller backlash on table top and more stable on front back swaying.

Applications

- Pipe shop
- Vessels
- Cladding of dish end
- Fuel tank

XA00168120

Technical data

Model		TAP1-HD	TAP3-HD
Maximum Turning Capacity		1MT @ 270mm	3MT @ 165mm
Maximum Tilting Capacity		1MT @ 270mm	3MT @ 165mm
Rotation Speed	RPM	0.115-1.15	0.061-0.61
Tilting Range Table Plate	Degree	0-135	0-135
Tilting Range Arm	Degree	0-45	0-45
Power Supply	3Ph-50Hz 3Ph-60Hz	380/400/415V 440/460/480V	380/400/415V 440/460/480V
Fuses	Amp	9	9
Control Voltage	VAC	24	24
Motor	KW	0.75	1.5
IP Classification	IP	IP 54	IP 54
AC Inverter	KW	0.75	1.5
Table Plate Diameter	mm	900	1000
Welding Current	Amp	800	800
Weight	KG	1150	1935
Max Tilting Height (H)	mm	1354	1738
Dimensions (LxHxW)	mm	1294x790x1620	1280x1058x2280
Cable Length Control Box	m	6	6



TAP1-HD & TAP3-HD LOADCHART

Max. ROTATIONAL TORQUE

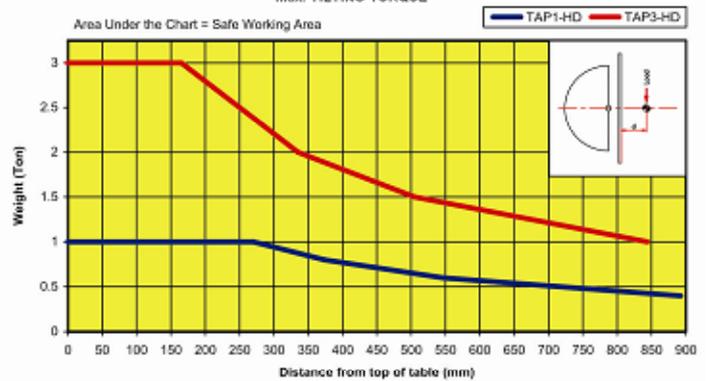
Area Under the Chart = Safe Working Area



TAP1-HD & TAP3-HD LOADCHART

Max. TILTING TORQUE

Area Under the Chart = Safe Working Area



Ordering Information

0370250753 TAP1-HD

0370250754 TAP3-HD

Options

0370250298 Foot Pedal

0370250752 Pendant with LCD Display for TAP Series



Pendant with LCD Display
for TAP Series



Foot Pedal

Note: All specification and dimension are subject to change without further notice.

All Equipment comes without Power Supply Cable and Hydraulic System without Fluid.

