



Dallas, 01/23/2020

D2200046 - MCP 26 sn
21520009 - Dynamo
Playgrounds

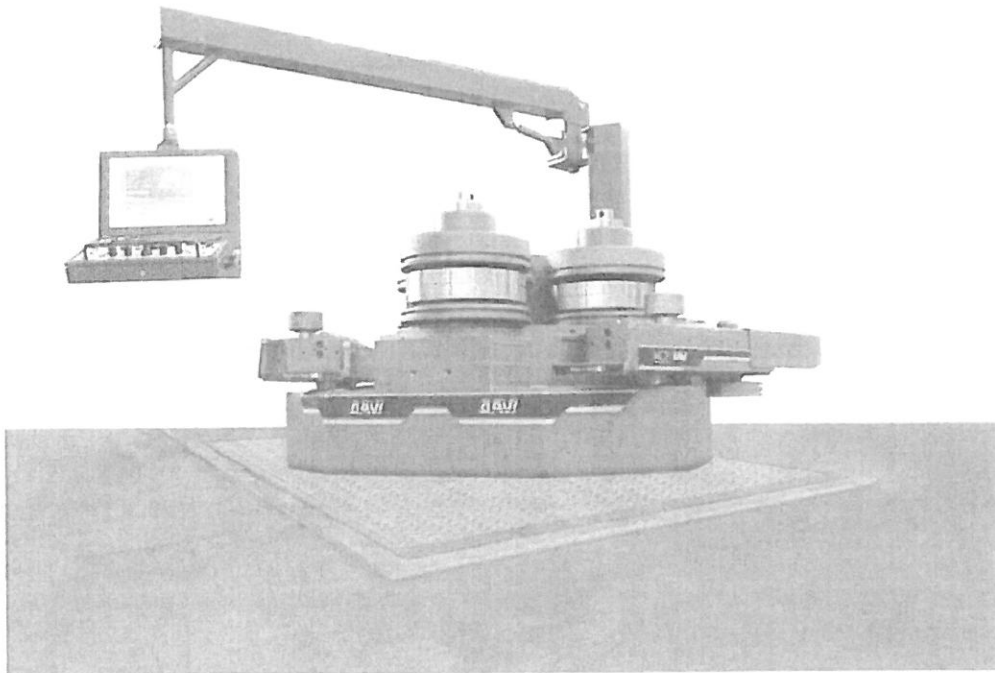
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Messers.
Dynamo Playgrounds
661 County Rd 9
KOB 110 Plantagenet CAN-ON

Dear Sirs,
we are pleased to present the following proposal for your evaluation:

**Top Performance, User Friendly, Highly Assisted,
Full Hydraulic 3 Roll Double Pinch Angle Roll DAVI "MCP 26 sn 21520009"**

Machine capable to roll all kinds of standard sections.

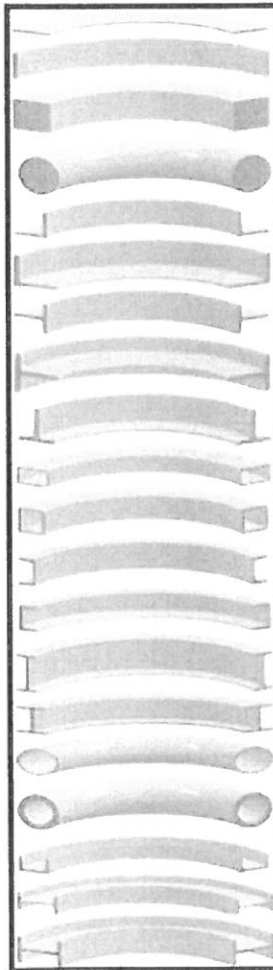


DAVI MCP 26



TECHNICAL DATA

Machine Capacities



Section Type			Dimensions	
Flat on edge	1	a	8" x 2" 3/8 ϕ 70"	
Flat on flat	2	a	15" 3/4 x 3" 3/16 ϕ 70"	
Square	3	a	5" 1/2 ϕ 75"	
Round	4	a	5" 5/16 ϕ 59"	
L leg out	5	a**	8" x 8" x 1" ϕ 98"	
L leg in	6	a**	8" x 8" x 3/4" ϕ 78"	
T leg out	7	a	WT 8" x 50# ϕ 100"	
T leg in	8	a	WT 8" x 50# ϕ 120"	
T on one side	9	a	WT 8" x 50# ϕ 100"	
Rectangular Hollow Section	10	a*	9" 1/16 x 4" x 3/8"	
Square Hollow Section	11	a*	7" x 7" x 1/2"	
UPN leg out	12	a**	MC 18" x 58# ϕ 60"	
UPN leg in	13	a**	MC 18" x 58# ϕ 60"	
IPE easy way	14	a**	S 18" x 70# ϕ 60"	
HEA easy way	15	a**	WF 16" x 57# ϕ 59"	
Tube	16	b*	12" Sch.10 ϕ 393"	
Tube	17	b	10" Sch.40 ϕ 160"	
UPN hard way	18	a**	c**	MC 10" x 41.1# ϕ 590"
IPE hard way	19	a**	c**	S 10" x 35# ϕ 315"
HEA hard way	20	a**	c**	WF 10" x 33# ϕ 354"

a = Universal rolls; b = special rolls; c = special equipment

Additional set of special rolls might be necessary to reduce physical deformations. A set of special, customized rolls, ordered on request, with additional price, that matches exactly the section shape, will minimize the distortions, allowing to achieve the best results.

The above mentioned capacities are based on sections in mild steel with a maximum of 270N/mm2 of Elastic Yield Point and 400 N/mm2 UTS, bent to the stated diameters in one or more passes, depending on the section and its size and application. Capacities can be increased when bending larger diameters. Tighter diameters can be achieved on lighter capacities** and according on grade of deformation that can be accepted. Harder material reduces the announced capacities. Special tools can be ordered, with additional price, to better fit on sections to reduce the deformation and improve the quality of the final product. *On this hollow section, due to its structural weakness, the achievable diameter depends heavily on the section distortion and deformation, rather than on the machine power. To reduce distortion it is suggested to fill up the hollow section with sand and/or to use special tools/devices. ** For smaller sections than those listed, a set of further parts could be required (spacers and parts for the special equipment) and ordered as optional, with additional price; therefore a technical analysis is recommended for a better evaluation.



TECHNICAL SPECIFICATIONS

100% manufactured in Italy by	DAVI
Model	MCP 26
Number of shafts/rolls	3
Shafts Type	Vertical
Top Shafts Diameter	10" 15/16
Side Shafts Diameter	10" 15/16
Rolls Diameter (external)	25" 31/32
Powered Rolls	All 3 rolls are powered as standard feature
Rolling Speed	7 m/min
Installed Power	HP 72 (Power Saving Technology)
Power Supply	460 V., 60 Hz (different upon request)
Rolls material	High resistance, tested & certified chromium molybdenum Alloy steel
Rolls periph. speed compensation	Automatic, by the hydraulic system, without any power loss.
Side Roll Movement	"Planetary Guides", Hydraulic protected by overload protection system.

HIGH-END TECHNOLOGICAL FEATURES INCLUDED IN ALL DAVI MACHINES

- ✓ **Operator panel on swing arm**
- ✓ **Roll-by-Wire® (DAVI Exclusive)** digital technology: Much faster, accurate and reliable
- ✓ **Multiple system to protect from overload of the machine:** hydraulic motors, cylinders and valves, electric and electronic system
- ✓ **Two different levels of speed:** fast and slow
- ✓ **Roll rotation synchronization**
- ✓ **Hydraulic brakes instant operated:** for rotation to improve safety
- ✓ **SKF type self-aligning spherical rolled bearings**
- ✓ **2 Head Tools for Guiding Rolls**
- ✓ **Emergency push buttons**
- ✓ **Oil temperature and oil level indicators**
- ✓ **Operator's manual and service instructions**
- ✓ **All rolls configurations**

Customer Applications

8" Sch 40 to 40" Radius in 6061-T4 (Yield to 20 KSI and UTS to 30 KSI)

10" Sch 40 to 300" Radius in Mild Steel (Yield to 40 KSI and UTS to 65 KSI)





In a **graphic screen** on the console the **the movements of the main machine rolls (X, Y)**, which form the bending rolls movements: Horizontal and Angular TOWARD-AWAY swing. **Position** for future manual use

Features:

- ✓ **Wide, 5.7" Color Screen**
- ✓ **User-friendly Graphic virtual view of the machine (safer)**
- ✓ **Visualized 4 basic axis: left and right side rolls position (X, Y) and all the Left/Right guiding rolls movement (LUD-RUD, LIO-RIO and LTA-RTA)**
- ✓ **Digital Notebook** to store part positions (up to 400 parts, 50 positions per part), as a reminder for a future manual use
- ✓ **Teach-in** to memorize rolling positions