

Peddinghaus 3D Coper

General Information:

Machine Name: PEDDINGHAUS 3D COPER

Model #: ABCM 1250 30

Energy Source: 480 Volts – 115 Volts – 24 Volts DC

Magnitude of energy: 480 Volts 3 phase – 115 Volts single phase – 24 Volts single phase

Energy Hazards: Electricity, hydraulic, pneumatic and high pressure gases

Control Device: Disconnect, push buttons and computer controls

Hydraulics:

Motor size: 7.5 HP

Hydraulic Pressure: 1500 PSI

Hydraulic Fluid: Nyvac FR200 or Equivalent

Primary Spare Parts:

Description:	Quantity:	Part Number:
X-axis Drive Assembly		
Bearing	1	YD2307038
Material Hold Down Arms		
Bearing	2	YD2304819
Horizontal Clamp Assembly		
Bearing	1	YD2307037
90 Degree Grease Fitting	3	Y22004374
Proximity Switch	1	YD2307271
Bumper	1	YD2306702
Y-axis Frame Assembly		
Spacer	1	YD2304006

Spacer	1	YD1702450
Description:	Quantity:	Parts Number:
Y-axis Travel Assembly		
Bearing	1	YD2307053
Spring	1	YD2304420
Ball Nut	1	YD3457286
Bushing	1	YD2304419
SKF Lock Washer	1	YD2302341
Bushing	1	YD2307284
Thrust Bearing	1	YD2301075
Web Torch Assembly		
Bushing	1	YD2307033
Spring 4"	1	YD2307034
Spring 8"	1	YD2307035
Flange Torch Assembly		
Bearing	1	YD2302384
Auto Bevel Axis Assembly		
Block, Torch Mounting	1	YD004340076001
Torch Clamp Bolt	1	YD3463906
M12 Ball Plunger	2	YD2311865
Switch, Photo Electric	2	YD2307124
Fiber Optic Cable	2	YD2312553
Electrode 1/8 Diameter Wire	2	YD180450070110
Roller Assemblies		
Thrust Washer	1	YD2307270
Bearing	1	YD2304806
Cam Follower	1	YD2306618
OxyFuel Gas Schematic		
Valve	1	YD2307275

Valve	1	YD2307077
Description:	Quantity:	Part Number:
Valve	1	YD2307079

Electrical Interconnect Assembly

Emergency Stop Switch	1	YD2304737
Encoder, Incremental	1	YD2311460
Transformer, 10,000V	1	YD2307155

Electrical Interconnect Assembly

Illuminated Switch	1	YD2307164
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Hydraulic and Pneumatic Assembly

Valve, 45 Ser. Air	1	YD2304855
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Hydraulic Power Unit Assembly

Filter, Spin-On PH#12AT10C	1	YD2302649
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Machine Tolerances:

Type	Unit of Measurement	ABCM 1250 3D
Maximum Opening	Inches (mm)	52 (1321)
Maximum Beam Width	Inches (mm)	50 (1250)
Minimum Beam Width	Inches (mm)	3 (75)
Maximum Flange Height	Inches (mm)	24 (610)
Maximum Flange Thickness	Inches (mm)	6 (152, 4)
Minimum Plate Thickness	Inches (mm)	0.25 (6)
Maximum Plate Thickness	Inches (mm)	6 (150)

Section Size Capabilities

Maximum W-Shape	-----	W44 X285 IPB1000 W36 X 848
Minimum W-Shape	-----	W4 X 13 IPB 100
Maximum S-Shape	-----	S24 X 121 I 600
Minimum S-Shape	-----	S3 X 5.7 I 80
Maximum M-Shape	-----	M14 X 18 IPBL 1000

Type	Unit of Measurement	ABCM 1250 3D
Minimum M-Shape	-----	M6 X 4.4 IPBL 100 M5 X 18.9
Maximum American Standard Channel	-----	C15 X 50 IPE 600
Minimum American Standard Channel	-----	C3 X 4.1 IPE 80
Maximum Miscellaneous Channel	-----	MC18 X 58 U 400
Minimum Miscellaneous Channel	-----	MC6 X 12 U 80
Maximum Angle	Inches (mm)	9 X 4 X 5/8 (230 X 100 X 14) 8 X 8 X 1-1/8 (200X200X24)
Minimum Angle	Inches (mm)	3 X 3 X ¼ (75 X 75 X 7)

Speed by Total Beam Weight

Under 2200 lbs (998 kg)	Inches/ Minute (Meters/ Minute)	900 (22,8)
Over 2200 lbs (998 kg)	Inches/ Minute (Meters/ Minute)	790 (20)
Over 5400 lbs (2450 kg)	Inches/ Minute (Meters/ Minute)	590 (15)
Over 11,000 lbs (4990 kg)	Inches/ Minute (Meters/ Minute)	394 (10)
Over 22,000 lbs (9975 kg)	Inches/ Minute (Meters/ Minute)	187 (5)