KAAST

RBD-3M

10 | 15 | 20 | 25 | 30

3-Roll Plate Roller

This RBD-3M plate roll is designed for light to medium jobs. It is used in jobs up to 3/8” material thickness. It is used in Aluminium Bendings, Air Conditioning Channels, Advertising Panels and Machine Sheet Metal Cover Parts. Both the top and pinch rolls are powered, driven by an **electric motor and chain**. The position of the **top roll is fixed**, and the **lower pinch roll** is **vertically adjustable** via separate positioning and locking levers. Both of the lower rolls feature **wire grooves**.

STANDARD CONFIGURATION

- Mobile Control Panel
- Cable Safety System
- Fine Bending with Motor Brake
- Induction Hardened Rolls
- Automatic Lubrication
- Motorized Adjustment of Back Roll

OPTIONAL CONFIGURATION

- Top/Side Rolls Digital Readout (DRO)
- Longer Rolls & Roll Formers

RBD-3M		10/7	10/10	15/7	15/9	20/6	25/6	30/5
		3’ x 1/4”	3’ x 3/8”	5’ x 1/4”	5’ x 5/16”	6’ x 1/4”	8’ x 1/4”	10’ x 3/16”
Bending Length	mm	1050 (41”)		1550 (61”)		2050 (80”)	2550 (101”)	3050 (120”)
Bending Capacity**	mm	7 (0.27”)	10 (0.4”)	6.5 (0.25”)	9 (0.35”)	6 (0.25”)		5 (0.2”)
Pre-Bend Capacity**	mm	6 (0.25”)	9 (0.35”)	4.5 (0.18”)	8 (0.31”)	5 (0.2”)		4 (0.15”)
Roll Diameter	mm	Ø130 (5.1”)	Ø190 (7.5”)	Ø150 (6”)	Ø190 (7.5”)	Ø170 (6.7”)	Ø190 (7.5”)	Ø200 (7.8”)
Motor Power	kW	2.2 (3 Hp)	4 (5 Hp)	2.2 (3 Hp)	4 (5 Hp)			
Length	mm	2750 (108”)	3200 (126”)	3300 (130”)	3700 (146”)	3850 (152”)	4700 (185”)	5200 (205”)
Width	mm	650 (26”)	950 (38”)	1150 (45”)	950 (38”)	720 (29”)	950 (38”)	950 (38”)
Height	mm	1020 (41”)	1300 (52”)	1110 (44”)	1300 (52”)	1050 (42”)	1300 (52”)	1300 (52”)
Weight	kg	1200 (2,600 lbs)	2450 (5,400 lbs)	2000 (4,410 lbs)	2750 (6,000 lbs)	2100 (4,600 lbs)	3400 (7,500 lbs)	4000 (8,800 lbs)
Item No.		9411001	9411002	9411003	9411004	9411005	9411007	9411009

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**Bending capacities are given for 24 kg/mm2 yielding strength, minimum dia. top roll x 5 (For cone, bending capacities needs to be reduced.)

KAAST

RBD-3M

10 | 12 | 15 | 20 | 25

3-Roll Plate Roller

The top and bottom rolls are driven by an **electric motor and chain**, with the top roll fixed in position via a locking lever. **Conical bending** is enabled by a coupling mounted on the side roller shaft. The machine features a **fixed top roll** with **movable bottom and side rolls**, **wire grooves** on the bottom roll, and **left-right rotation** via a dual footswitch. The **side roller is manually adjustable** for precise bending control.

RBD-3M		10/4.0	10/5.0	12/4.0	12/5.0	15/3.0	15/4.0	20/2.0	20/4.0	25/2.5
		3’ x .15”	3’ x .2”	4’ x .15”	4’ x .2”	5’ x .11”	5’ x .15”	6’ x 14 Ga	6’ x .15”	8’ x .1”
Roll Length	mm	1050 (41”)		1270 (50”)		1550 (61”)		2050 (80”)		2550 (100”)
Bending Capacity	mm	4.0 (0.15”)	5.0 (0.2”)	4.0 (0.15”)	5.0 (0.2”)	3.0 (0.11”)	4.0 (0.15”)	2.0 (0.08”)	4 (0.15”)	2.5 (0.1”)
Roll Diameter	mm	Ø110 (4.3”)	Ø130 (5.1”)	Ø120 (4.7”)	Ø140 (5.5”)	Ø110 (4.3”)	Ø140 (5.5”)	Ø110 (4.3”)	Ø140 (5.5”)	Ø140 (5.5”)
Bending Speed	m/min	8 (315”/min)								
Motor Power	kW	2.2 (3 Hp)								
Length	mm	2200 (87”)		2470 (98”)		2700 (107”)		3200 (126”)		3700 (147”)
Width	mm	750 (30”)								
Height	mm	1000 (40”)								
Weight	kg	900 (1,980 lbs)	1200 (2,600 lbs)	1125 (2,400 lbs)	1320 (2,900 lbs)	1200 (2,600 lbs)	1420 (3,100 lbs)	1380 (3,000 lbs)	1650 (3,600 lbs)	1850 (4,000 lbs)
Item No.		9401005	9401006	9401007	9401008	9401009	9401010	9401011	9401012	9401013

STANDARD CONFIGURATION

- Cable Safety System
- Fine Bending with Motor Brake
- Double Foot Pedal
- Induction Hardened Rolls

OPTIONAL CONFIGURATION

- Top/Side Rolls Digital Readout (DRO)
- Longer Rolls and Roll Formers

RBD-3M		10/2.0	10/3.0	12/1.5	12/2.5	15/1.2	15/2.0	20/1.0	20/1.5
		3’ x 14 Ga	3’ x .12”	4’ x 16 Ga	4’ x .1”	5’ x 18 Ga	5’ x 14 Ga	6’ x 20 Ga	6’ x 16 Ga
Roll Length	mm	1050 (41”)		1250 (49”)		1550 (61”)		2050 (80”)	
Pre-Bend Capacity	mm	2.0 (0.08”)	3.0 (0.12”)	1.5 (0.06”)	2.5 (.1”)	1.2 (0.05”)	2.0 (0.08)	1.0 (0.04”)	1.5 (0.06”)
Roll Diameter	mm	Ø75 (3”)	Ø90 (3.5”)	Ø75 (3”)	Ø90 (3.5”)	Ø75 (3”)	Ø90 (3.5”)	Ø75 (3”)	Ø95 (3.7”)
Bending Speed	m/min	6 (240”/min)							
Motor Power	kW	1.1 (1.5 Hp)							
Length	mm	1610 (64”)	1630 (65”)	1830 (72”)	1850 (73”)	2110 (83”)	2130 (84”)	2610 (103”)	2630 (104”)
Width	mm	700 (28”)							
Height	mm	1160 (46”)	1200 (48”)	1160 (46”)	1200 (48”)	1160 (46”)	1200 (48”)	1160 (46”)	1200 (48”)
Weight	kg	380 (830 lbs)	480 (1,000 lbs)	405 (890 lbs)	520 (1,140 lbs)	420 (925 lbs)	600 (1,300 lbs)	590 (1,300 lbs)	715 (1,570 lbs)
Item No.		9401001	9401002	9401003	9401004	9401014	9401015	9401016	9401017

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