

THE BIAX TOOL & ENGINEERING CC.

P.O.BOX 39056, BOOYSENS RESERVE, 2016

PHONE (011) 432-3077 • FAX 0866067152

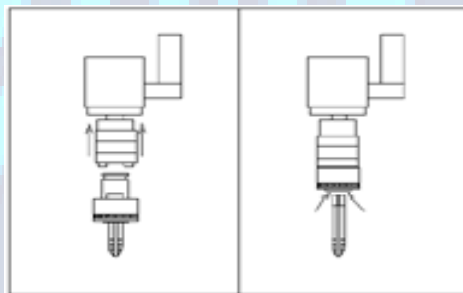
EMAIL: SALES@BIAX.CO.ZA / WEB PAGE: WWW.BIAX.CO.ZA

cell: 083 3257673

CMA Tapping Machines

When your machining centre isn't working at the job it was brought in to do, it's costing your company money. Tapping, the most inefficient operation, can best be done with the tapping machine in conjunction with your machining centre.

The tapping machine's optional torque clutch holders make tapping blind holes easy. The torque clutch allows the tap to stop turning when it encounters any obstruction that might cause tap breakage. Adjustable for all types of material the quick change chuck allows you change from one size to another in 3 to 5 seconds.



The Tapping machine CMA is ideally suited for tapping large and multi-levels parts. With adjustable gas counter-balance springs, CNC operators can easily and quickly position the tap over the hole while the machining centre works on the next piece. The tapping machine can be adjusted to stay where it is positioned or return the home position. The result is less operator strain and increased production.

CMA presents three different systems: [Pneumatic machines](#) , [hydraulic machines](#) and [electronic machines](#).

Pneumatic Machines

RN-12 Model

- Air set: regulator, manometer, filter and impermeator.
- Pneumatic motor.
- Fixed mount.
- Tap lubricator system.
- Quick change chuck for Bilz system collets.
- Air flow: 650 l/min.
- Working pressure: 7 Kgr/cm²



RN-12.400

If we write one M, it means than model mounts a multi-position head

(Eg. RNM-12.400)

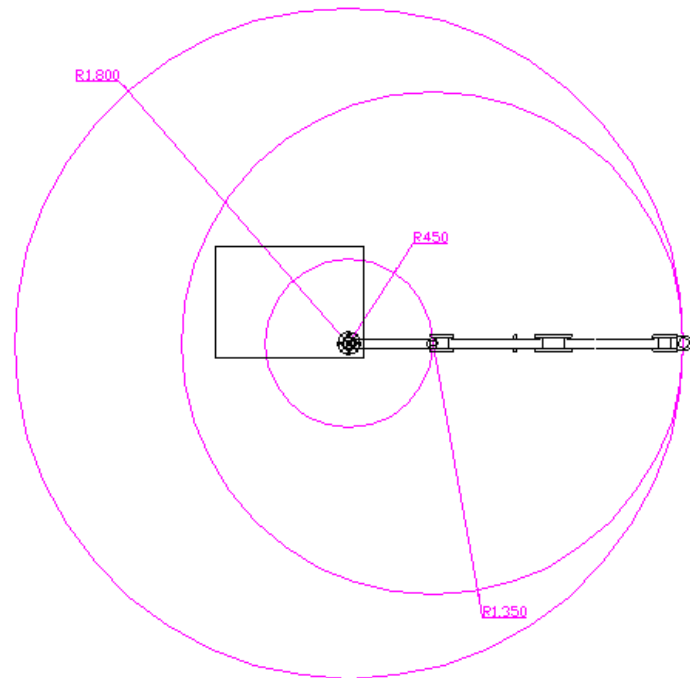
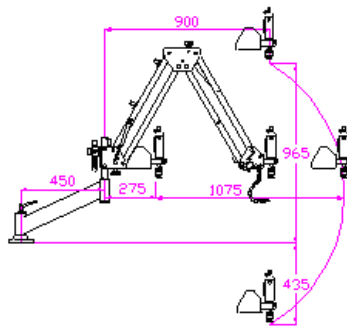
This multi-position head allows tapping in any spatial direction; ideal for big or heavy pieces and to tap out of the table.



MODELS	RPM	Chuck size	Torque in Nm	Capacity
RN-12.400	400	n° 1 - Ø19	31	M3-M12
RN-12.600	600	n° 1 - Ø19	19	M2-M10
RN-12.800	800	n° 1 - Ø19	14	M2-M10
RN-12.1000	1000	n° 1 - Ø19	10	M2-M8

Working area

RN-12



RNR 20 Model

- Air set: regulator, manometer, filter and impermeator.
- Pneumatic motor.
- Fixed mount.
- Tap lubricator system.
- Quick change chuck for Bilz system collets.
- Gear box with two speeds.
- Air flow: 650 l/min.
- Working pressure: 7 Kgr/cm²



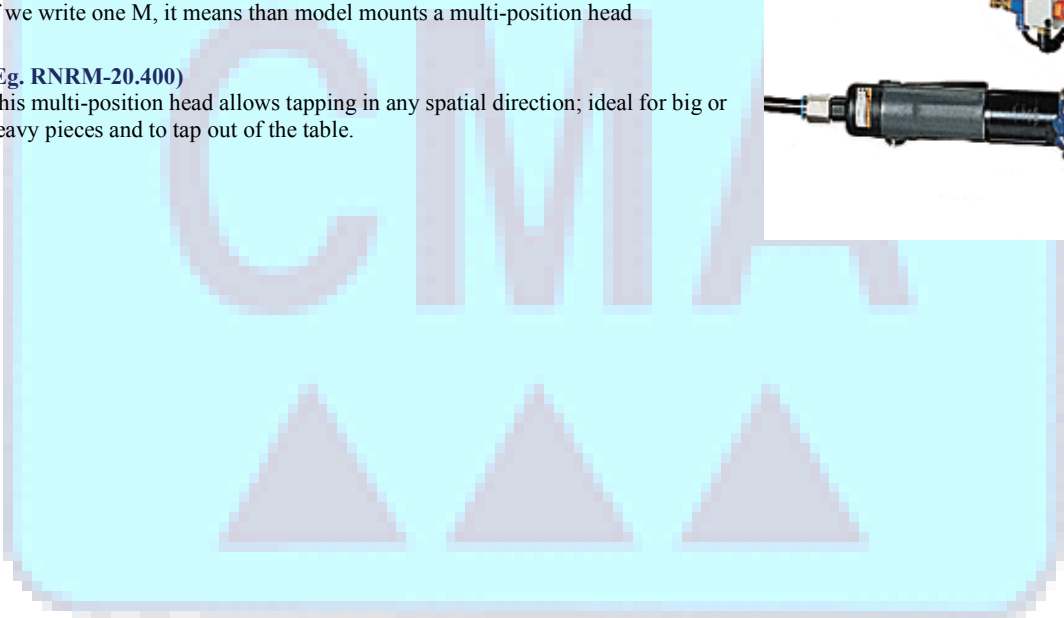
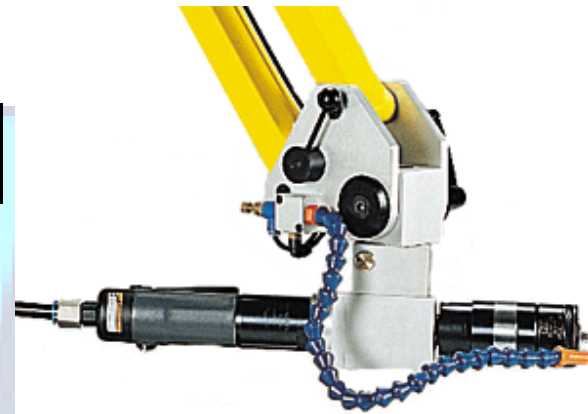
RNR-20.400

MODELS	RPM	Chuck size	Torque in Nm	Capacity
RNR-20.400	400 + 115	n° 2 - Ø31	31/85	M3-M24
RNR-20.600	600 + 200	n° 2 - Ø31	19/67	M3-M20

If we write one M, it means that model mounts a multi-position head

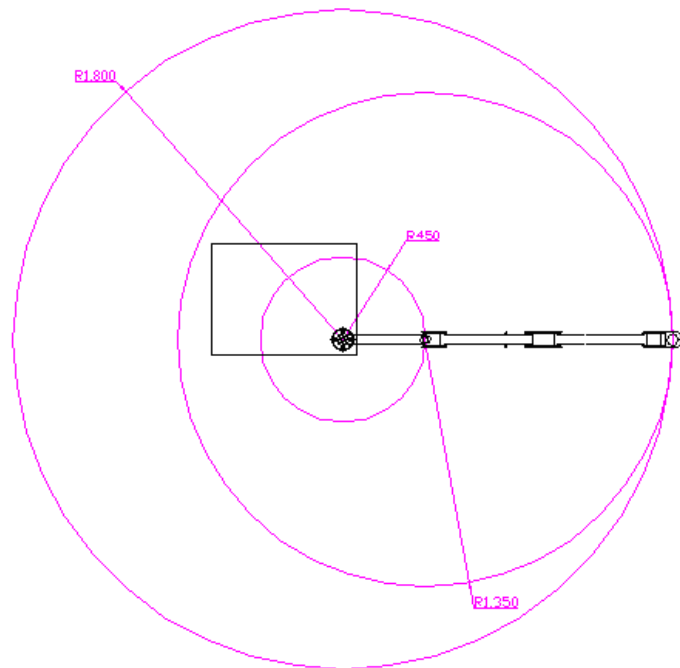
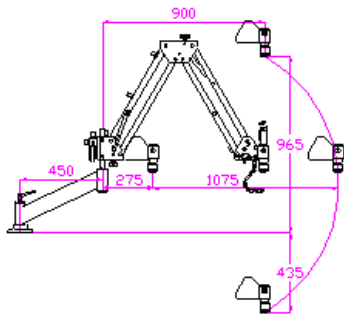
(Eg. RNRM-20.400)

This multi-position head allows tapping in any spatial direction; ideal for big or heavy pieces and to tap out of the table.



Working area

RNR-20



Collets /Adapters

Collets with clutch



DIN	O		N° 1	N° 2	N° 3	N° 4
			Ø19	Ø31	Ø48	Ø60
CODIGO / CODE						
M-3	3.5	2.7	M3352701			
M-4	4.5	3.4	M4453401	M4453402		
M-5	6	4.9	M564901	M564902		
M-6	4.5	3.4	M6453401	M6453402		
M-6	6	4.9	M664901	M664902		
M-7	7	5.5	M775501	M775502		
M-8	6	4.9	M864901	M864902		
M-8	8	6.2	M886201	M886202		
M-10	7	5.5	M1075501	M1075502		
M-10	10	8	M1010801	M1010802		
M-12	9	7	M129701	M129702		
M-14	11	9	M1411901	M1411902		
M-16	12	9	M1612901S	M1612902		
M-18	14	11		M18141102		
M-20	16	12		M20161202		
M-22	18	14.5		M221814502		
M-24	18	14.5		M241814502		
M-27	20	16		M27201602S	M27201603	
M-30	22	18		M30221802S	M30221803	
M-33	25	20			M33252003	
M-36	28	22			M36282203	M36282204
M-39	32	24			M39322403S	M39322404
M-42	32	24			M42322403S	M42322404
M-45	36	29			M45362903SN	M45362904
M-48	36	29				M48362904

M-52	40	32				M52403204SN
M-56	45	35				M56453504SN
M-60	45	35				M60453504SN

(S) Special collet / (N) Collet whitout clutch.

Reducers



Model	Ø
R-2/1	Ø 31 - Ø 19
R-3/1	Ø 48 - Ø 19
R-3/2	Ø 48 - Ø 31
R-4/2	Ø 60 - Ø 31
R-4/3	Ø 60 - Ø 48

Drill Chuck Adapters



Model	Ø	Cone
AD/01	Ø 19	B12
AD/02	Ø 31	B16

Threading Die Collet



Modelo/Model/Modèle/Modelle	Ø
PH/01	Ø 19
PH/02	Ø 31

Electronic models

The electronic models are the latest in Tapping Machines, destined to customers that require other tapping power than hydraulic or pneumatic; low noise, agile transport, easy connection, which mount an electronic motor single-phase type BRUSHLESS to 220V with two turning ways, forward and reverse, with quick change chuck and independent tap speed governors for each turning way.

The power, possibilities for speed adjustment without par loss, give us greater options in every kind of material.

RER-24 Model

- Electronic motor single-phase type Brushless to 220V.
- Independent electronic tap speed governors (Forward and reverse).
- Digital readout.
- Fixed mount.
- Tap lubricator system.
- Quick change chuck for Bilz system collets.
- Gear box with two speeds.
- Weight 30 Kg.



RER-24

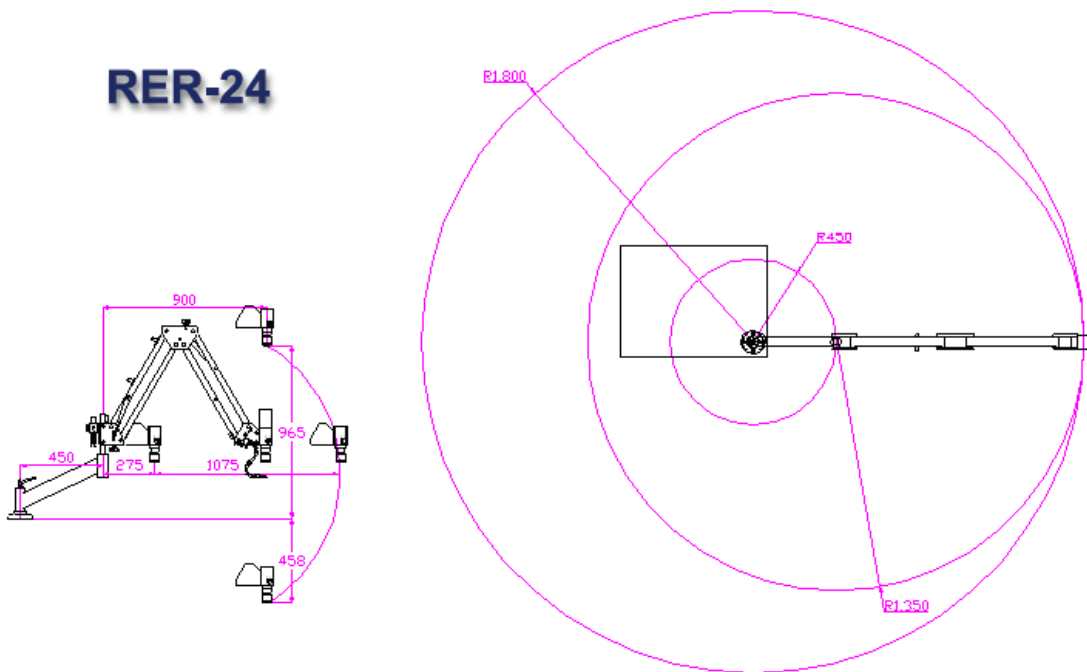
If we write one M, it means than model mounts a multi-position head

MODELS	RPM	Chuck size	Torque in Nm	Capacity
RER-24	500 + 150	n° 2 - Ø31	50/160	M3-M24
RERM-24	500 + 150	n° 2 - Ø31	50/160	M3-M24

(E.g. RERM-24)

This multi-position head allows tapping in any spatial direction; ideal for big or heavy pieces and to tap out of the table.

Working area



Accessories

Magnetic base mount



C-Clamp mount



Automatic depth stop



Table of steel

800 x 600 m/m.

58 Kg.



Detachable table with T. form canals

800 x 600 m/m.

150 Kg.

