

## VERTICAL MILLING MACHINE SPECIAL ATTACHMENTS RIGHT ANGLE ATTACHMENT

- Included - One Shank, Mounting bolts, Main head and fitted wooden box.



CODE No.	Shank Taper
4004-0008	R8
4004-0030	ISO No.30
4004-0040	ISO No.40

## HORIZONTAL MILLING ATTACHMENT

- Included - one main head, milling arbor, mounting bolts, arbor supporter and fitter wooden box.



CODE No.	Shank Taper
4004-1008	R8
4004-1030	ISO No.30
4004-1040	ISO No.40

## CAST IRON RAISER BLOCKS

- This raiser block made of selected cast iron with stress relieved.
- Easily installed and remove.
- Spider and blots available as Extra Cost.



CODE No.	Size
3505-0100	100 mm (4")
3505-0160	160 mm (6")
3505-0200	200 mm (8")

## POWER TABLE FEEDER-GEAR BOX TYPE

Patent No.79134 by Sun Chen



▲ 3503-1001



▲ 3503-1002



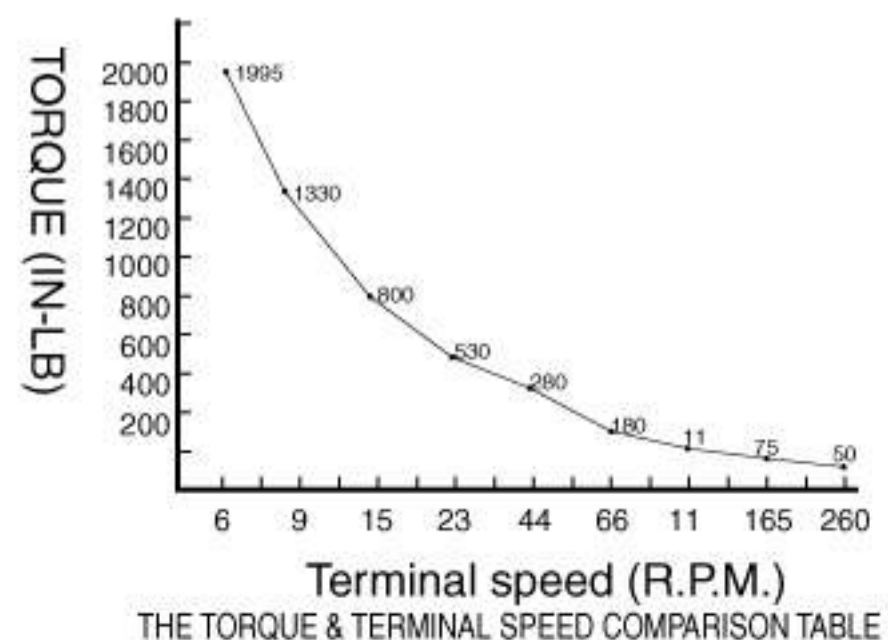
▲ 3503-1005



▲ 3503-1003

### FEATURES:

- Gear driven design provides much more torque.
- Gear box driven by 1/2HP (0.375kw)AC motor.-More Powerful.
- Safety electrical elements to avoid motor overload.
- Easy to install.
- Gearbox builds in the safety kickoff device.
- Oil path gearbox-secures smooth driven and silence.
- For Longitudinal and cross feeder units-3503-1001,/1002/1005 are 8 steps feed rate.
- 30mm/45mm/75mm/113mm/218mm/300mm/548mm/825mm/1290mm per minute.
- Compact unit-16 kgs only. Release the engage gear then free to hand feed.
- Code No.3503-1001 and 3503-1005 for X-axis feed (Longitudinal)
- Code No.3503-1002 for Y-axis feed (cross)
- Code No.3503-1003 for Z-axis rapid-165mm/min. net weight 11 kgs.





## ALIGN POWER TABLE FEED



▲ 3503-1500 ▲ 3503-2000

### Air power drawbar

1. This device is easily installed, needs only 5 seconds to change the cutting tool.
2. It is suitable for NC and general milling machines.
3. It can be installed in any kind of machine, of which the main spindle are R-8, NT #30, #40, #50.
4. Main power is air compression.
5. This machine is designed with safety device controlled with solenoid valve. The power drawbar cannot be operated while the machine is running.

For Longitudinal X Axis

**A(X)** Standard equipment for longitudinal feed.



▲ 3503-2004

### AL-500S

1. The ALIGN power table feed for 2V, 3V, 5V milling machine of longitudinal, knee lide and cross feed.
2. Easy to install, no modification needed.
3. Highest quality design and construction materials.
4. To strengthened "ZYTEL GEAR", an extra unit can be attached for free of charge.
5. Safe design operation stable low noise.
6. Top quality. Long life span designed.

For Cross Y Axis

**B(Y)** Standard equipment for cross feed.



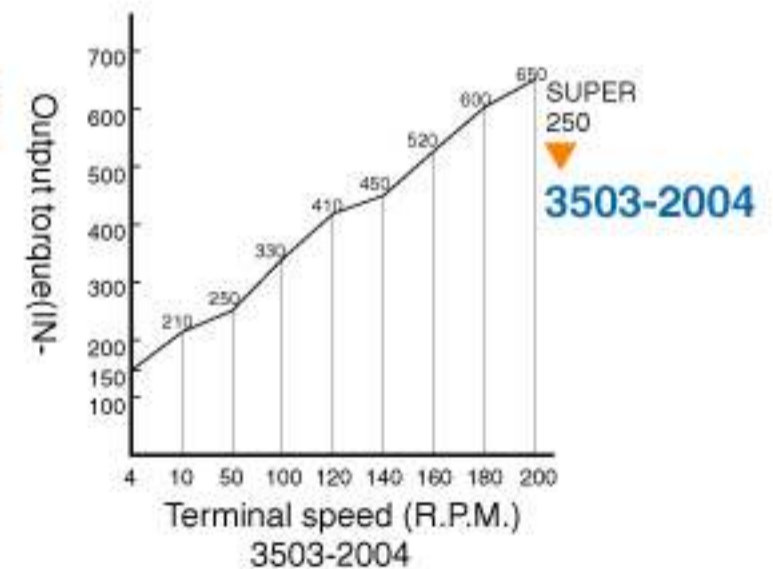
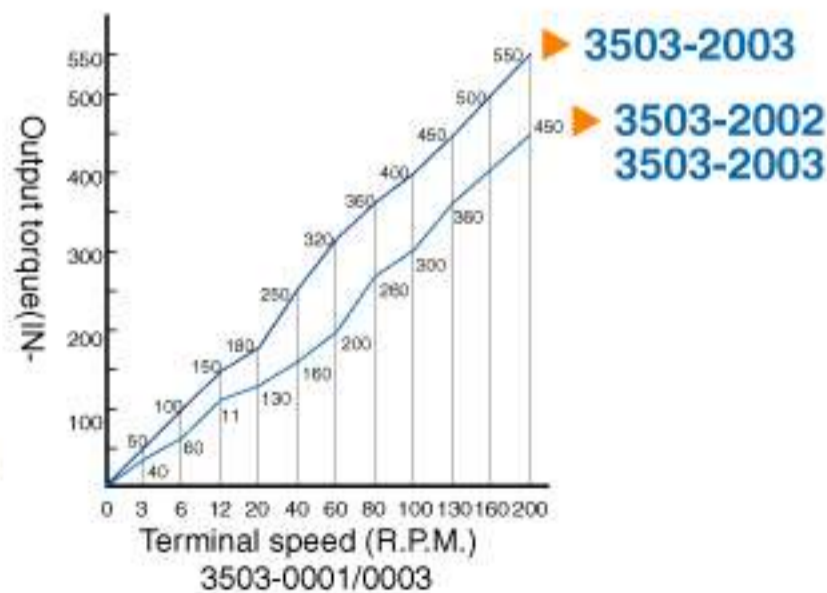
▶ 3503-2003 ▶ 3503-2002

### AL-400S, 300S

1. The ALIGN power table feed for 2V, 3V, 5V milling machine.
2. Easy to install, no modification needed.
3. Highest quality design and construction materials.
4. Circuit panel is designed with easy replaceable insert type connectors.
5. Assy-gear (nylon) clutch has built-in torque release to prevent damage to shaft and metal gear, if too much resistance is met.

For Vertical Z Axis

**D(Z)** Standard equipment for knee lift feed.



### AL-200S

1. Application: the ALIGN power table feed for Drill/Milling machine.
2. Easy to install, no modification needed.
3. Highest quality design and construction.
4. Circuit panel is designed for easy replacement with insert type connectors.
5. Assy-gear clutch has a limit for twisting. When power feed is working and accepting tremendous obstacle, the assy-gear clutch will automatically become neutral turning in order to reduce damage.

▶ 3503-2001



## POWER DRAWBAR



### PNEUMATIC TYPE CONTAINS

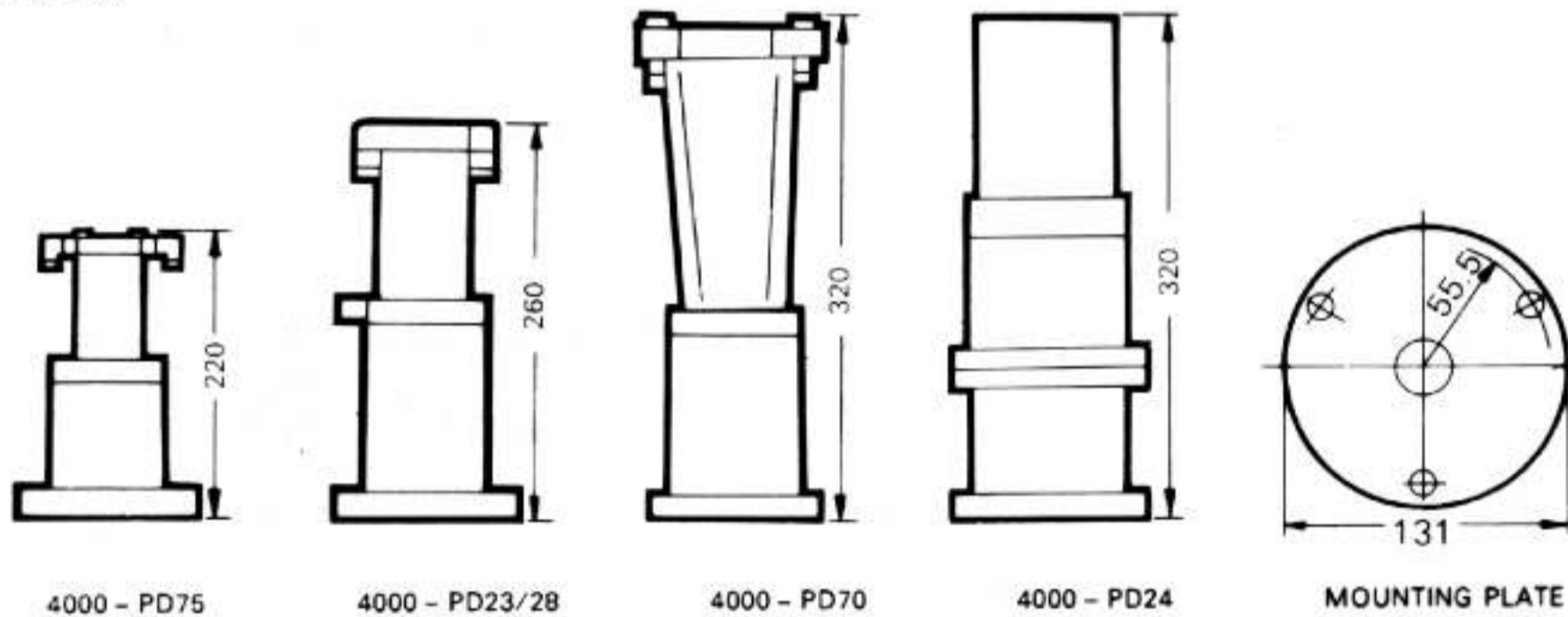
1. MAIN POWER HEAD UNIT
2. POWER HEAD COVER
3. PRESSURE AIR INLET HOSE WITH COUPLINGS
4. DRAW BAR



### ELECTRIC TYPE CONTAINS

1. MAIN POWER HEAD UNIT
2. POWER HEAD COVER
3. ELECTRIC BOX
4. DRAW BARS

### Dimension



Electric Type	Amps	No-Load	Max Torque Ft / Lbs	For Machine Taper	Net Weight
4000-PD24	7.5 AMP	2100 rpm	240	ISO40 / 50	12.7 kgs / 28 Lbs
Pneumatic Type	For Machine Taper	Air Pressurer Max	Max Torque Ft / Lbs	No-Load	Net Weight
4000-PD70	ISO # 50	115 PSI / 8 kg/cm <sup>2</sup>	700	5000 rpm	15.1 kg
4000-PD23	ISO # 50 / 40	90 PSI / 6.3 kg/cm <sup>2</sup>	230	7000 rpm	11.4 kg
4000-PD75	ISO # 30 / R8	90 PSI / 6.3 kg/cm <sup>2</sup>	75	8000 rpm	8 kg