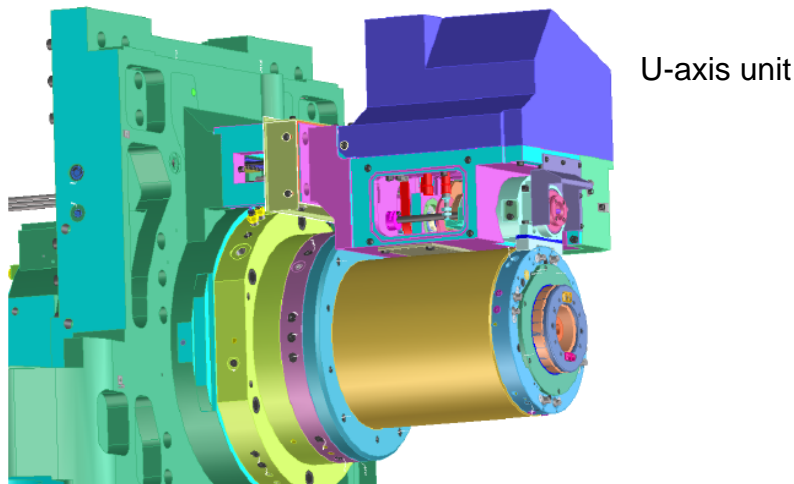
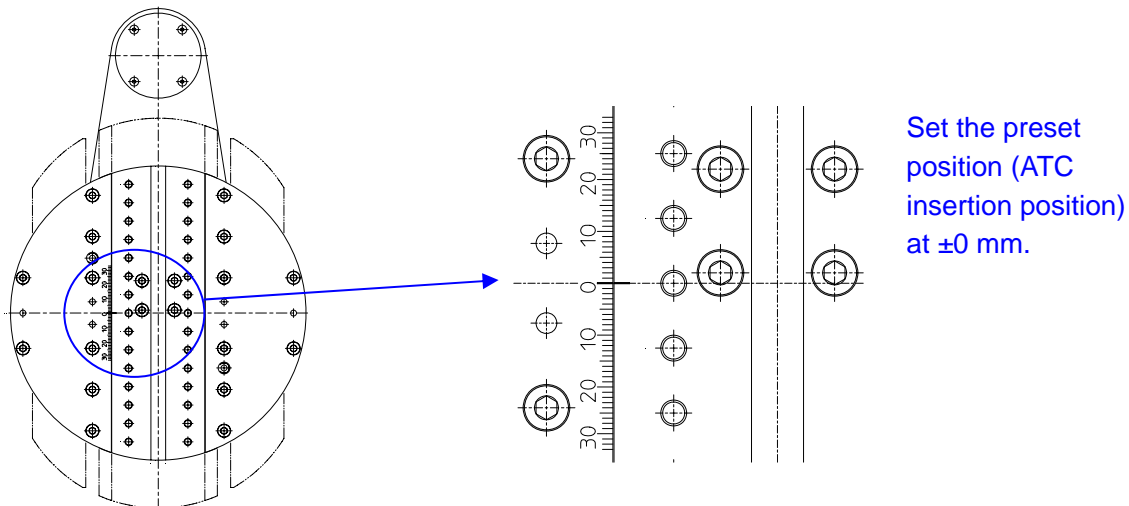


MA-500H/600H/800H U-axis Specification D'Andrea TA-Center

The production of the U-center (U-140/160HB) manufactured by D'Andrea applied for the U-axis spec. stopped in the end of 2008, and TA-Center (TA-C160/200) is applied instead.



- The TA-Center has no compatibility with the U-Center.
(TA-Center cannot be applied on the U-Center spec. machines.)
- Prepare the TA-Center manufactured exclusively for Okuma machines as attached drawings.
- The weight of TA-C200 unit is 27 kg, and it exceeds the standard max. tool weight of the machine (25 kg). When TA-C200 is applied, "Max. tool weight 30 kg applicable spec." has to be applied additionally.
- When the TA-C200 is applied and when the U-axis is at the max. stroke, the max. tool dia. is $\varnothing 265$ mm and it exceeds the standard max. tool dia ($\varnothing 240$). In such cases, pay attention on the collisions of the ATC shutter, or at X or Y stroke end.
- When the TA-Center is inserted to the magazine, set the preset memory of the TA-Center at "0" as the figure below and insert it into the magazine.



Any technical information is subject to change without notice.

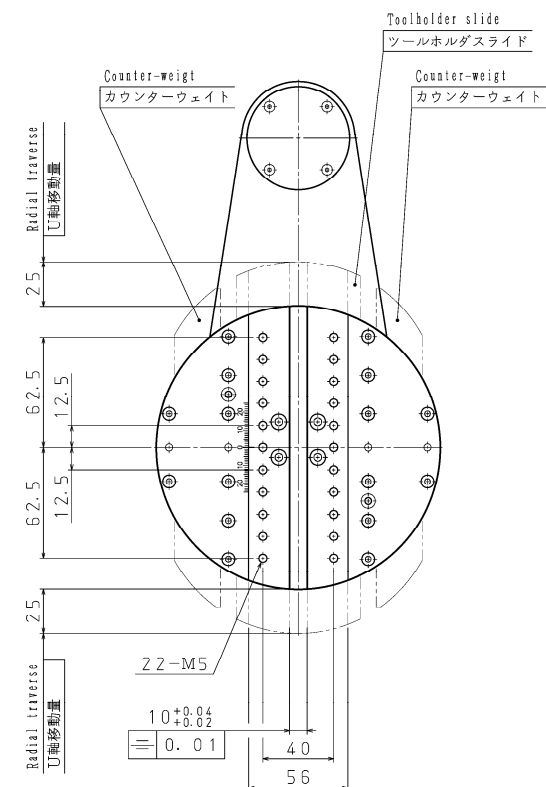
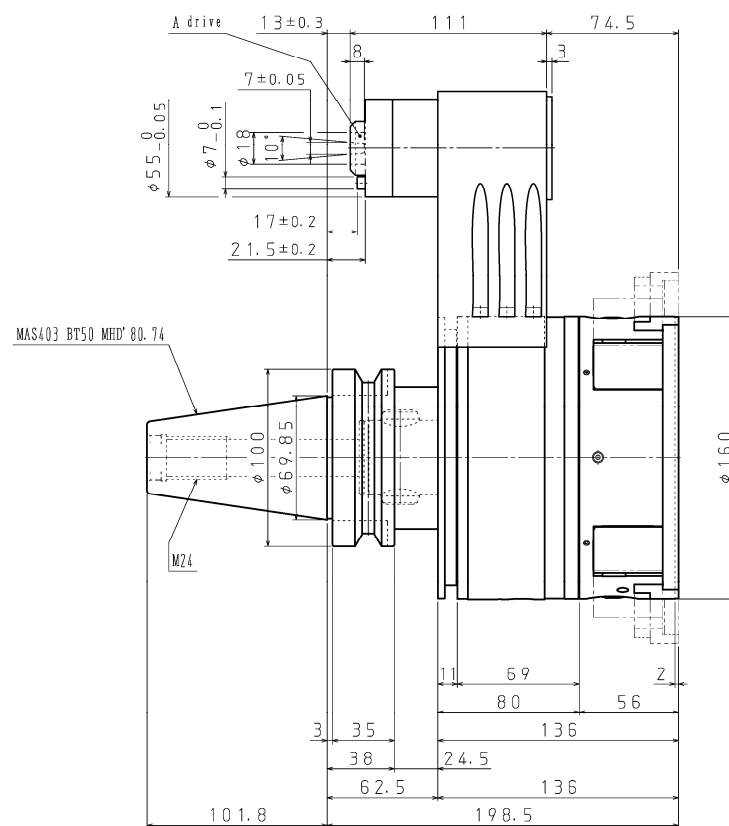
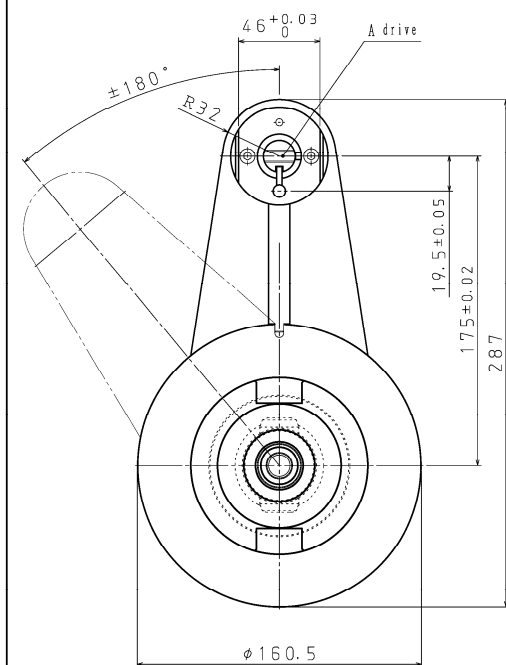
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| Type | | TA-C160 | TA-C200 |
|------------------------------|--------|--|---|
| Slide stroke | mm | Effective 47(±23.5) (Dead stroke ±1.5 mm) | Effective 62(±31) (Dead stroke ±1.5 mm) |
| Feedrate | mm/min | 500 | 500 |
| Max. spindle speed | min-1 | 1,600 | 1,400 |
| Travel/Link shaft speed | mm/rev | 0.25 | 0.25 |
| Weight | kg | 22 | 27 (Exceeding the Std. tool weight (25kg). "Max. tool weight 30 Kg applicable spec. " has to be added.) |
| Tool dia. at the max. travel | mm | ø207 | ø262 (Exceeding the Std. Max tool dia. (ø240). Be careful on the collisions at the ATC shutter, X,Y stroke end) |

Any technical information is subject to change without notice.

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| Symbol | Date | Rev. by | Notice | Check |
|--------|------|---------|--------|-------|
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TECHNICAL DATAS

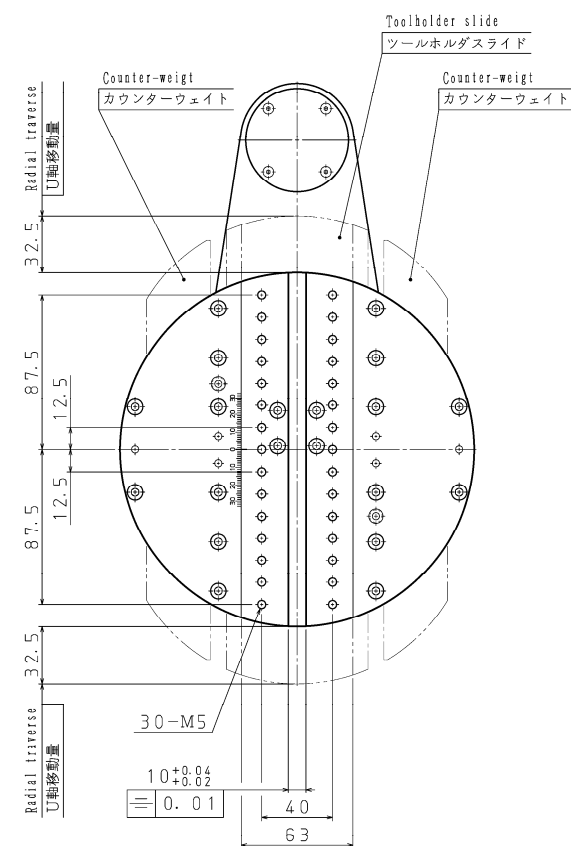
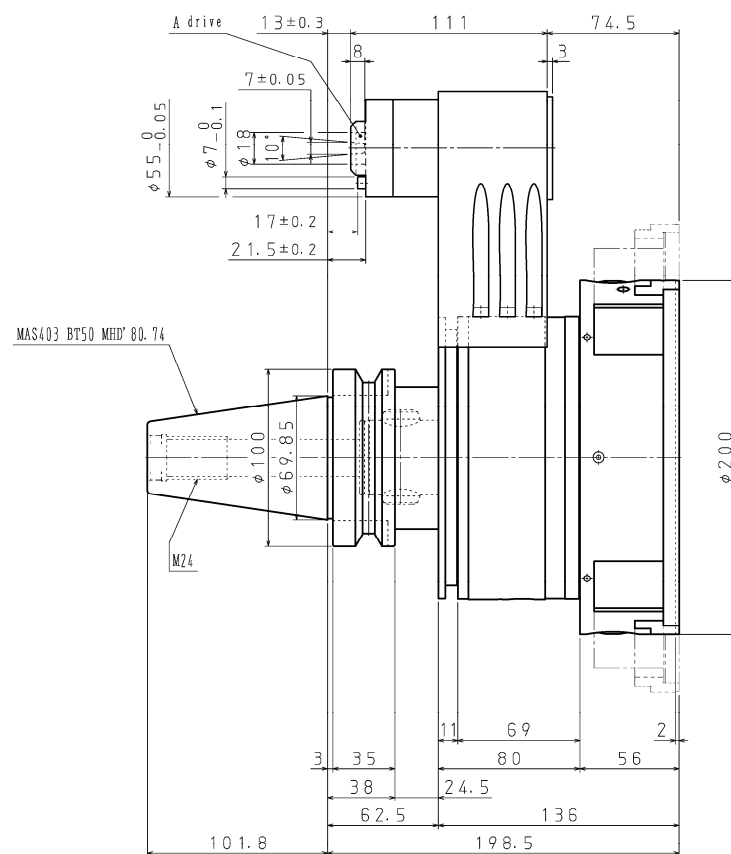
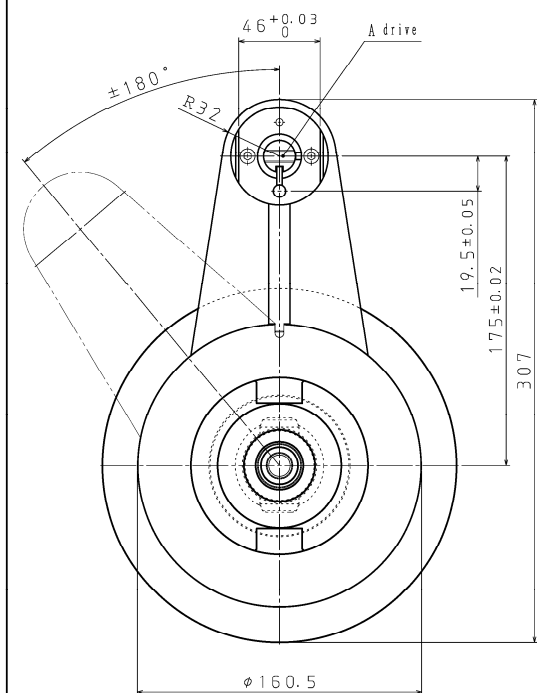
| | | |
|-------------------------------|--|---------------------------------|
| a motor revolution | U軸移動量/モータ1回転 | = 0.25 mm radial slide traverse |
| 1,000 motor r/m | U軸送り速度/モータ 1,000 r/m = 500 mm/min slide feed speed | |
| radial traverse | U軸移動量 | mm 50 (±25.0) |
| feedrate | U軸送り速度 | mm/min 1-500 |
| max Rpm | 最高回転数 | r/m 1,600 |
| radial force | U軸許容負荷 | daN 250 |
| torque | 許容トルク | Nm 800 |
| max working diameter | 最大加工径 | mm 320 |
| repeatability accuracy | 繰返し精度 | mm 0.005 |
| backlash | バックラッシュ | mm less than 0.05 |
| boring accuracy | ボーリング精度 | H7 |
| facing accuracy | フェイシング精度 | mm 0.01 |
| max chip removal C40 -boring- | 最大切削能力 S40C-ボーリング | mm ² 1.0 |
| max chip removal C40 -facing- | 最大切削能力 S40C-フェイシング | mm ² 0.75 |
| roughness | 加工面粗さ | Ra μm 1.6 |
| weight (with arbor) | about 質量 (アーバ含む) | 約 Kg 22.0 |



| | | | |
|---------------|--------------------|-------------------|---------------|
| KIND | TITLE | CUSTOMER | |
| TA-CENTER | TA-CENTER 160 | Okuma Corporation | |
| MACHINE MODEL | CODE NO. | DESIGNED | CHECKED |
| Okuma | BT50-TAC160-Z00UCO | Nakui | |
| SCALE | 1/2 | DIR-NAME | DAA1 |
| DATE | 2009. 01. 22 | DRWG NO. | DAA23-01004/0 |

| Symbol | Date | Rev. by | Notice | Check |
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TECHNICAL DATA

| | | | |
|-----------------------------|--------------------|-----------------|---------------------------------|
| a motor revolution | 1,000 motor r/m | U軸移動量/モータ1回転 | = 0.25 mm radial slide traverse |
| radial traverse | U軸移動量 | mm | 65 (±32.5) |
| feedrate | U軸送り速度 | mm/min | 1-500 |
| max Rpm | 最高回転数 | r/m | 1,400 |
| radial force | U軸許容負荷 | daN | 250 |
| torque | 許容トルク | Nm | 800 |
| max working diameter | 最大加工径 | mm | 400 |
| repeatability accuracy | 繰返し精度 | mm | 0.005 |
| backlash | バックラッシュ | mm | less than 0.05 |
| boring accuracy | ボーリング精度 | H7 | |
| facing accuracy | フェイシング精度 | mm | 0.01 |
| max chip removal C40-boring | 最大切削能力 S40C-ボーリング | mm ² | 1.0 |
| max chip removal C40-facing | 最大切削能力 S40C-フェイシング | mm ² | 0.75 |
| roughness | 加工面粗さ | Ra μm | 1.6 |
| weight (with arbor) | about 質量 (アーバ含む) | 約 Kg | 27.0 |



| | | | |
|---------------|--------------------|-------------------|---------------|
| KIND | TITLE | CUSTOMER | |
| TA-CENTER | TA-CENTER 200 | Okuma Corporation | |
| MACHINE MODEL | CODE NO. | DESIGNED | CHECKED |
| Okuma | BT50-TAC200-200UCO | Nakai | |
| SCALE | 1/2 | DIR-NAME | DAA1 |
| DATE | 2009. 01. 22 | DRWG NO. | DAA24-01004/0 |