



TJR Precision Technology Co., Ltd.


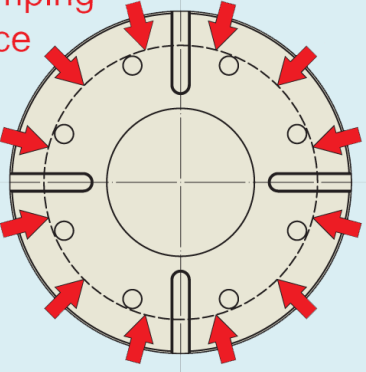
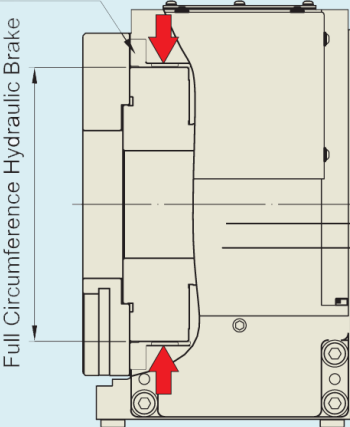
TJR Precision Technology Co., Ltd. is a professional manufacturing team of CNC rotary tables (the fourth and fifth axis). The main products are CNC Rotary Tables (the fourth and fifth axis) with high precision and stability.

The products are mainly applied in aerospace industry, high-tech electronics industry, automobile parts manufacturing, multi-faceted spiral manufacturing, and other mechanical industries.


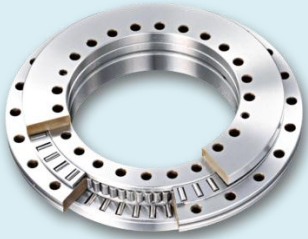
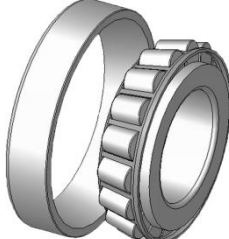

We have the best research and development team that integrates the applications of machine centers and rotary tables, and have the strictest quality control to ensure the highest quality. We also have the most active customer service to make the rotary table work in the optimal condition.

TJR Precision Technology Co., Ltd. sincerely provides the best products and services for our most respected customers


High performance braking mechanism

		Others
Method	<p>Use the full circumference braking and clamping mechanism. The braking mechanism is designed with full 360° circumference hydraulic clamping.</p> <ul style="list-style-type: none"> • The hydraulic clamping synchronized clamping for the entire table. The clamping area on the entire circumference of the table features maximum rigidity and is ideal for heavy cutting application. • The clamping force is bigger than of conventional disk braking systems. • The mechanism is close to the worktable, exhibiting reduced deviation during cutting. 	<p>Use the conventional disk braking systems.</p> <ul style="list-style-type: none"> • Table deformation and accuracy deterioration usually occurs on disk braking systems. • It provides less clamping area and longer distance from the cutting position, causing bigger deviation of table. • Only suitable for light-cutting with its low rigidity.
Illustration	<div style="display: flex; align-items: center; justify-content: space-around;"> <div style="text-align: center;"> <p style="color: red;">Hydraulic Clamping Force</p>  </div> <div style="text-align: center;"> <p>Full Circumference Braking and Clamping Mechanism</p>  </div> </div>	

✂ The advantage of TJR spindle bearing ✂



	Company A	Company B
<u>Radix-axial</u> preloading bearing	Taper roller bearing	Cross roller bearing
		
Can bear <u>heavy cutting</u> in the horizontal and vertical directions	Can bear <u>less heavy cutting</u>	Can only bear <u>light cutting</u>
<ul style="list-style-type: none"> • Dynamic load: <u>High</u> • Superior to the others in static rigidity; high durability for <u>heavy cutting</u> 	<ul style="list-style-type: none"> • Dynamic load: <u>Medium</u> • Only for <u>Light cutting</u> • Superior to cross roller bearing in rigidity; but not enough durability for heavy cutting 	<ul style="list-style-type: none"> • Dynamic load: <u>Low</u> • Only for <u>Light cutting</u>
<ul style="list-style-type: none"> • Some manufacturers employ such bearings only for certain premium priced products. • TJR employs such bearings <u>for the entire product line.</u> 		

☞ The advantages of TJR worm gear ☞





		Others
The worm gear material	<u>Made in Japan</u> , high tensile brass with Japanese unique formula Its strength is better than ferroalloy.	Aluminum Bronze (ALBC3/ALBC1) or Phosphor Bronze (PBC2/PBC3)
Abrasion resistance	The abrasion resistance of High tensile brass: <u>25.1 mg/cm² per 10,000m</u> Its estimated wear life is 2.6 times longer than that of Aluminum Bronze	The abrasion resistance of Aluminum Bronze(ALBC3): <u>65.7 mg/cm² per 10,000m</u>
Wear life	Normally <u>10 years</u> or longer	At most <u>4 years</u>



TJR Value Added Features

		Others
Table rotation rate	<p>AR-125</p> <ul style="list-style-type: none"> • speed reduction ratio: 1/60 • Table max. rpm: 83.3 <p>HR-255</p> <ul style="list-style-type: none"> • speed reduction ratio: 1/120 • Table max. rpm: 33.3 <p><u>High table speed</u>, high efficiency</p>	<p>The equivalent of AR-125</p> <ul style="list-style-type: none"> • speed reduction ratio: 1/90 • Table max. rpm: 55.5 <p>The equivalent of HR-255</p> <ul style="list-style-type: none"> • speed reduction ratio: 1/180 • Table max. rpm: 22.2
After service - support in China	<ul style="list-style-type: none"> • Experienced after-service technicians located in China provide <u>prompt services</u>. 	<ul style="list-style-type: none"> • <u>No local after-service supports</u>
Water Resistance	<p>Watertight by <u>all rims sealed with O-ring</u>.</p>  <p>Protect class: IP65</p>	<p>Manually smear connections with <u>waterproof glue</u></p>
Appearance	<ul style="list-style-type: none"> • <u>Durable finish</u> with delicate texture • All TJR rotary tables are processed with putty treatment and baking varnish • Will never become an old one in a short time because of paint peeling off 	<ul style="list-style-type: none"> • The paint <u>will peel off</u> after months • Only one layer painting
Diameter of Table central hole	<p><u>Large bore is the TJR standard</u> for the entire product line</p>	<p>Large bore is <u>an optional extra</u></p>

Advanced inspection facilities

		Others
2-Dimension coordinate measuring machine	<p>YES</p> 	<p>YES</p>
3-Dimension coordinate measuring machine	<p>YES</p> <p>Fully utilized to test all kind of precision and runout.</p> 	<p>None</p>
Laser interferometer and rotary axis calibrator	<p>YES</p> <p>Every TJR rotary table needs to pass the test by the laser angular position measurement system before shipment.</p> 	<p>None</p> <p>Some companies only use normal optical auto-collimators or height gauge collocating with fixture to test.</p>