



### Through Hole Hollow Rotary Table: THT Series

The Orbex THT Series rotary table offers high transmission efficiency, high precision and high rigidity in a compact, cost effective, package. The THT Series blends the advantages of a servo motor, cam dividers, and direct drive motor. The THT Series is designed to directly support the load, something a servo motor can't do, and be able to position to any angle, which a cam can't do. It achieves this much more cost-effectively than a direct drive motor. This makes the THT series a great solution for motion control or automation applications!



### SPECIFICATIONS:

MODEL	THT-62	THT-85	THT-130	THT-200	THT-300	THT-450
Servo motor	100W	200-400W	200-400W	750W-1KW	5KW-7KW	10KW
Permissible torque	5Nm	45Nm	60Nm	85Nm	128Nm	192Nm
Permissible speed	200rpm	200rpm	200rpm	200rpm	200rpm	200rpm
Speed reduction ratio	5, 10	10, 18	10, 18	10, 18	10, 18	10
Positioning accuracy	≤ 15 SEC	≤ 15 SEC	≤ 15 SEC	≤ 15 SEC	≤ 15 SEC	≤ 15 SEC
Repeatability	±10 SEC	±10 SEC	±10 SEC	±10 SEC	±10 SEC	±10 SEC
Permissible thrust force	120N	550N	2000N	4300N	6450N	9675N
Permissible moment load	3 Nm	12Nm	55 Nm	110 Nm	165 Nm	248 Nm
Parallelism	≤ 5μm	≤ 5μm	≤ 5μm	≤ 5μm	≤ 5μm	≤ 5μm
Net weight	0.8 kg	1.7 kg	3.0 kg	10.5 kg	38 kg	125 kg