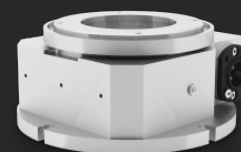


Rotary table, high precision Type LTB



Franke rotary tables LTB impress with their excellent angular accuracy and high resolution. This makes them particularly suitable for tasks in the fields of measuring, testing and orientation.

Description

Franke rotary tables of type LTB are centerless, ready to install positioning units. The housing is made of light aluminium. Franke LTB are highly loadable and have an excellent angular accuracy and resolution. They can be used in a wide range of applications and are particularly suitable for movement and positioning tasks in the field of measuring, testing and orientation.

Properties

Accuracy	● ● ● ● ●
Speed	● ● ●
Ø-Range	● ● ●
Price	● ● ● ●

Technical data

Material

Housing: Aluminium ribbed
 Ball race rings: hardened and tempered chrome-silicon steel
 Rolling element: hardened rolling bearing steel
 Worm wheel: Wear-resistant bronze alloy
 Worm shaft: CK45N hardened and grinded

Operating temperature

-10 °C to +80 °C

Rotational speed

Max. 7 min⁻¹

Mounting position

Any, preferably horizontal

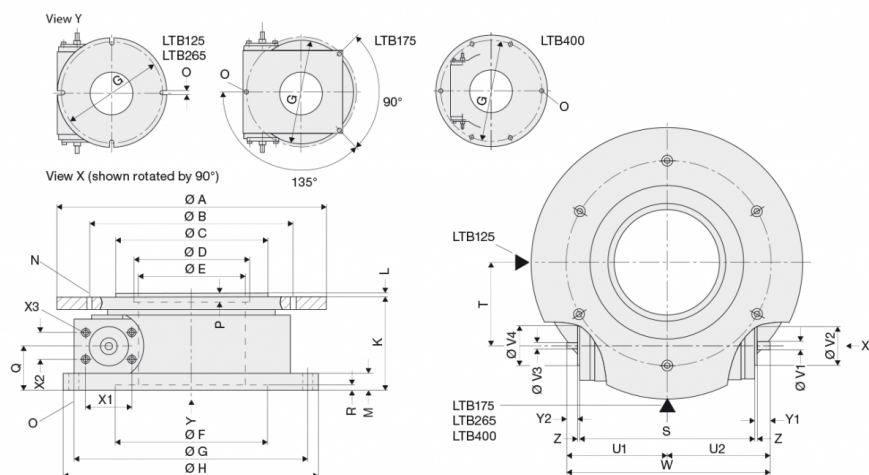
Lubricant

With bearing grease via grease nipples

Options

Inductive proximity switch, flange/coupling to mount the motor, motorization

Data tables



LTB Table part 1

Name	Nominal Ø mm	Dimensions mm										
	A	B	C ^{g6}	D ^{H7}	E	F ^{H7}	G	H	K	L	M	N
LTB-0125	125	100	-	70	70	100	150	165	75	-	10	4xM5
LTB-0175	175	126	-	102	70	102	178	-	82	-	12	6xM6
LTB-0265	265	200	150	-	105	150	230	250	90	4	16	6xM10
LTB-0400	400	340	300	200	190	270	380	400	100	4	16	6xM10

LTB Table part 2

Name	Nominal Ø mm	Load ratings KN		Dimensions mm												
	A	C ₀	C	O	P	Q	R	S	T	U1	U2	V ^{1g6}	V ^{2g6}	V ^{3g6}	V ^{4g6}	W
LTB-0125	125	2,0		4x7,0	5	34	5	112	60	67,5	67,5	6	22	6	22	135
LTB-0175	175	2,6		3x6,6	4	31	4	152	63	98,0	98,0	6	52	6	52	196
LTB-0265	265	4,2		4x10,0	-	43	5	171	81	95,0	98,0	8	38	6	38	193
LTB-0400	400	14,1		6x11,0	5	43	5	229	139	124,0	127,0	8	38	6	38	251

Rotary table, high precision Type LTB

Innovation in Motion



LTB Table part 3

Name	Nominal Ø mm	Tilting moments Nm	Input speed rpm	Reduction ratio	Output speed rpm	Weight kg	Order no.	Delivery time*	
	A	C _{0m}	N _{1max}	i	N _{2max}				
LTB-0125	125	110	2500	360	7	3,0	91042A	on request	
LTB-0175	175	140	2500	360	7	6,0	91043A	on request	
LTB-0265	265	310	2500	360	7	10,0	91044A	on request	
LTB-0400	400	1780	2500	360	7	27,0	91045A	on request	

* Prices and delivery times are ex works Germany and are subject to change without notice. In other countries, prices and delivery times may vary due to different taxes, duties, charges and fees.
For actual sales prices and delivery conditions in your country, please contact our local representative.

Performance overview			LTB-0125	LTB-0175	LTB-0265	LTB-0400
Reduction			360:1	360:1	360:1	360:1
Input torque	M _{1max}	Nm	0,7	0,9	1,5	2,0
Output torque	M _{2max}	Nm	70	75	160	290
Axial- / radial accuracy		µm	20	20	20	30
Positioning accuracy		sec	80	80	70	50
Repeatability		sec	16	14	10	8

Contact

Franke GmbH
Obere Bahnstraße 64
73431 Aalen - Germany

Tel. +49 7361 920-0
Fax +49 7361 920-120
info@franke-gmbh.de

DIN EN ISO 9001 QM
DIN EN ISO 14001 QM

Created: 20.02.2025