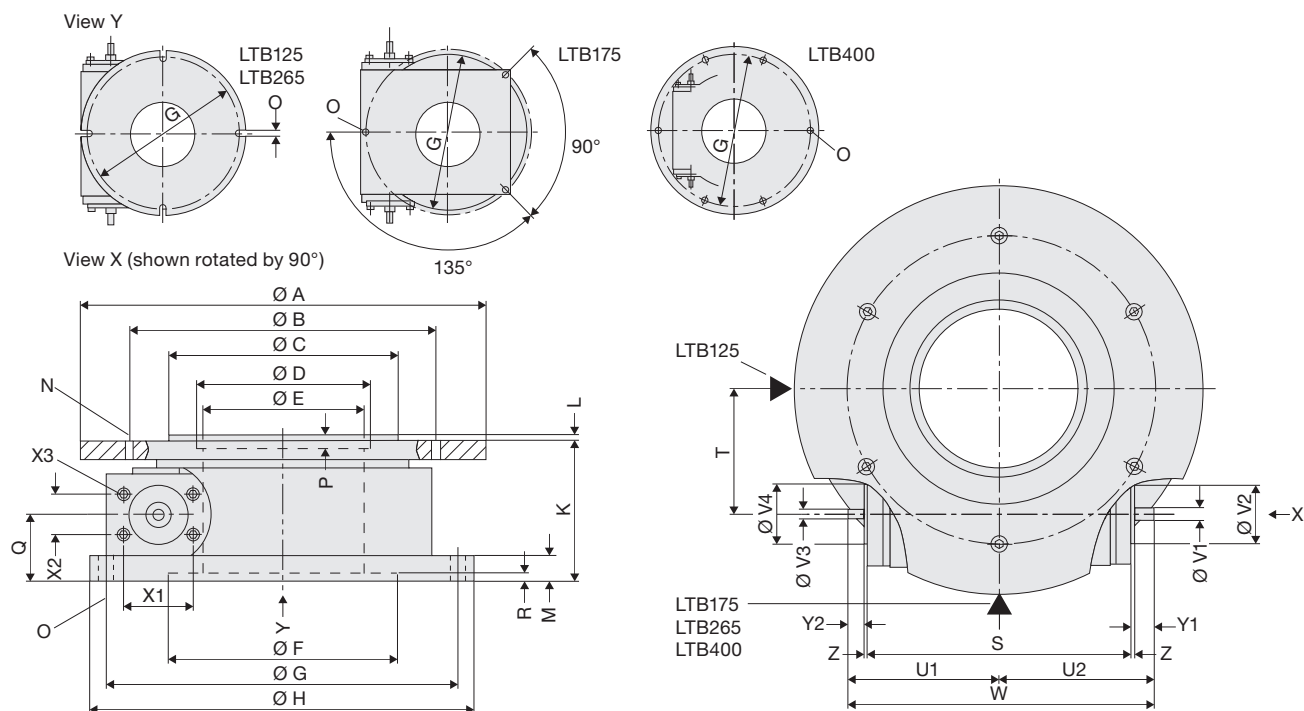


Rotary Tables

Worm drive/highly accurate

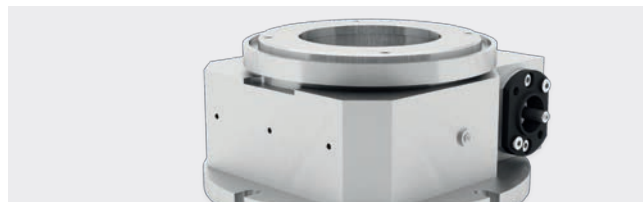
Type LTB



► Grease nipples according to DIN 3405

Rated Ø																								
A	B	C ^{g6}	D ^{H7}	E	F ^{H7}	G	H	K	L	M	N	O	P	Q	R	S	T	U1	U2	V ₁ ^{g6}	V ₂ ^{g6}	V ₃ ^{g6}	V ₄ ^{g6}	W
125	100	–	70	70	100	150	165	75	–	10	4xM5	4x7.0	5	34	5	112	60	67.5	67.5	6	22	6	22	135
175	126	–	102	70	102	178	–	82	–	12	6xM6	3x6.6	4	31	4	152	63	98.0	98.0	6	52	6	52	196
265	200	150	–	105	150	230	250	90	4	16	6xM10	4x10.0	–	43	5	171	81	95.0	98.0	8	38	6	38	193
400	340	300	200	190	270	380	400	100	4	16	6xM10	6x11.0	5	43	5	229	139	124.0	127.0	8	38	6	38	251

Rated Ø	X1	X2	X3	Y1	Y2	Z	Order no.
125	21.8	26	2xM4/16 low + 2xM4/8 low	8	9	2.8	91042A
175	50.0	32	4xM4/16 low	18	18	4.0	91043A
265	45.0	26	4xM5/24 low	10	7	2.5	91044A
400	45.0	26	4xM5/24 low	9	6	2.5	91045A



Characteristics

Franke rotary tables of type LTB are open-center, ready-to-use positioning units. They are highly resilient, lightweight (aluminium housing) and deliver outstanding ATR accuracy and discrimination. Franke rotary tables of type LTB are versatile in use and are primarily suited to movement and positioning tasks in the fields of measurement, testing and orientation.

Material

Housing	Aluminium corrugated
Ball race rings	54SiCr6
Rolling element	100Cr6
Worm wheel	Wear-resistant bronze alloy
Worm shaft	CK45N hardened and ground

Technical details

Mounting position	any, preferably horizontal
Lubrication	with bearing grease via grease nipples
Optional	Inductive proximity switch, flange/coupling to mount the motor, motorization

Performance overview

		LTB125	LTB175	LTB265	LTB400
Radial and axial accuracy	μm	20	20	20	30
Positioning accuracy	sec	80	80	70	50
Repeatability	sec	16	14	10	8
Load rating C_0	kN	2	2,6	4,2	14,1
Overturning moment C_{0m}	Nm	110	140	310	1780
Input speed $N_{1\text{max}}$	U/min	2500	2500	2500	2500
Reduction ratio i		360	360	360	360
Output speed $N_{2\text{max}}$	U/min	7	7	7	7
Input torque $M_{1\text{max}}$	Nm	0,7	0,9	1,5	2
Output torque $M_{2\text{max}}$	Nm	70	75	160	290
Operating temperature	$^{\circ}\text{C}$	-10 to +80	-10 to +80	-10 to +80	-10 to +80
Weight	kg	3	6	10	27

