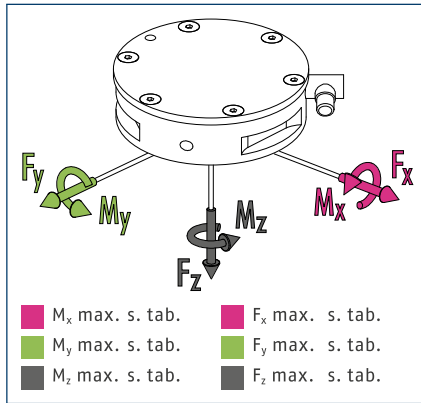


FT Nano17-Titan

Measuring | Force / Torque Sensor

Forces and Moments

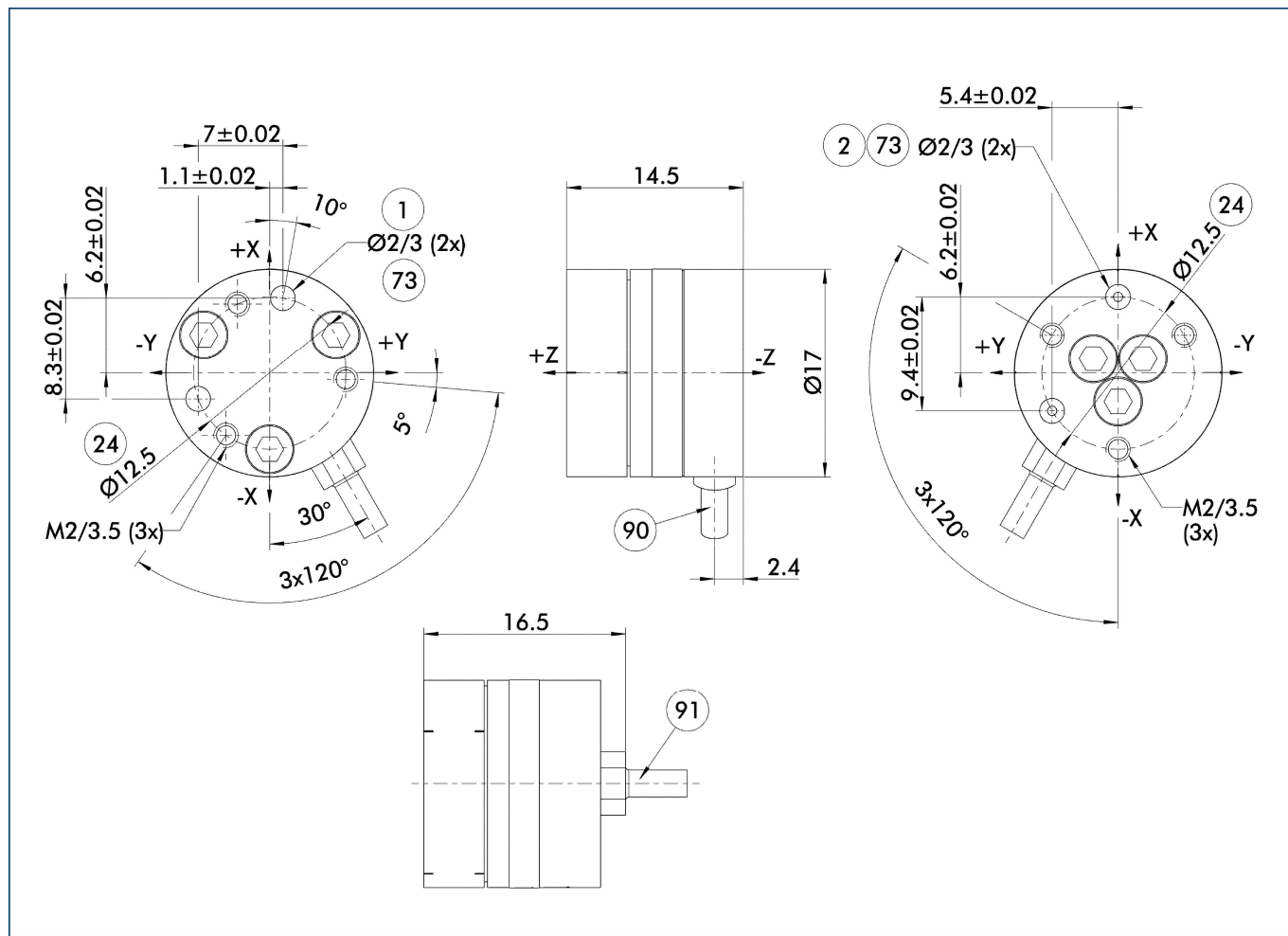


① For load index see technical data table.

Technical data FTN

Description		FTN-Nano-17-T	FTN-Nano-17-T	FTN-Nano-17-T
Calibration		SI-8-0.05	SI-16-0.1	SI-32-0.2
Evaluation via		Ethernet	Ethernet	Ethernet
Weight	[kg]	0.01	0.01	0.01
Measuring range F_x, F_y	[N]	±8	±16	±32
Measuring range F_z	[N]	±14.1	±28.2	±56.4
Measuring range M_x, M_y	[Nm]	±0.05	±0.1	±0.2
Measuring range M_z	[Nm]	±0.05	±0.1	±0.2
Overload F_x, F_y	[N]	±160	±160	±160
Overload F_z	[N]	±310	±310	±310
Overload M_x, M_y	[Nm]	±500	±500	±500
Overload M_z	[Nm]	±610	±610	±610
Resonant Frequency F_x, F_y, M_z	[Hz]	3000	3000	3000
Resonant Frequency F_z, M_x, M_y	[Hz]	3000	3000	3000
Resolution F_x, F_y	[N]	1/682	1/341	1/171
Resolution F_z	[N]	1/682	1/341	1/171
Resolution M_x, M_y	[Nmm]	3/364	3/182	3/92
Resolution M_z	[Nmm]	5/728	5/364	5/184
Technical data deviating from FTD				
Description		FTD-Nano-17-T	FTD-Nano-17-T	FTD-Nano-17-T
Evaluation via		DAQ	DAQ	DAQ
Resolution F_x, F_y	[N]	1/682	1/341	1/171
Resolution F_z	[N]	1/682	1/341	1/171
Resolution M_x, M_y	[Nmm]	3/364	3/182	3/92
Resolution M_z	[Nmm]	5/728	5/364	5/184
Technical data deviating from FTS				
Description		FTS-Nano-17-T	FTS-Nano-17-T	FTS-Nano-17-T
Evaluation via		Stand-Alone	Stand-Alone	Stand-Alone
Resolution F_x, F_y	[N]	1/341	2/341	2/171
Resolution F_z	[N]	1/341	2/341	2/171
Resolution M_x, M_y	[Nmm]	3/182	3/91	3/46
Resolution M_z	[Nmm]	5/364	5/182	5/92

Main view



The main view shows the unit in its basic version.

- | | |
|-------------------------|---|
| ① Robot side connection | ⑦③ Fit for a centering pin |
| ② Tool side connection | ⑨⑩ Radial cable outlet with strain relief |
| ②④ Bolt circle | ⑨① Axial cable outlet |