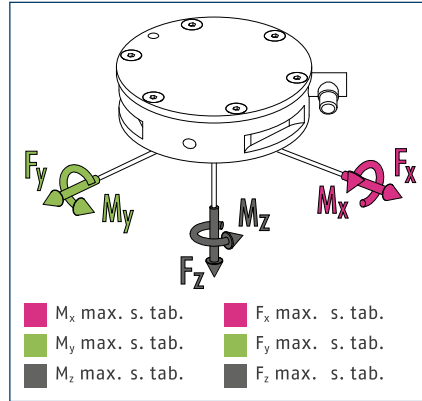


Forces and Moments



① For load index see technical data table.

Technical data FTN

Description		FTN-Nano-43	FTN-Nano-43	FTN-Nano-43
Calibration		SI-9-0.125	SI-18-0.25	SI-36-0.5
Evaluation via		Ethernet	Ethernet	Ethernet
Weight	[kg]	0.039	0.039	0.039
Measuring range F_x, F_y	[N]	±9	±18	±36
Measuring range F_z	[N]	±9	±18	±36
Measuring range M_x, M_y	[Nm]	±0.13	±0.25	±0.5
Measuring range M_z	[Nm]	±0.13	±0.25	±0.5
Overload F_x, F_y	[N]	±300	±300	±300
Overload F_z	[N]	±380	±380	±380
Overload M_x, M_y	[Nm]	±3.2	±3.2	±3.2
Overload M_z	[Nm]	±4.6	±4.6	±4.6
Resonant Frequency F_x, F_y, M_z	[Hz]	2800	2800	2800
Resonant Frequency F_z, M_x, M_y	[Hz]	2300	2300	2300
Resolution F_x, F_y	[N]	1/512	1/256	1/128
Resolution F_z	[N]	1/512	1/256	1/128
Resolution M_x, M_y	[Nmm]	1/40	1/20	1/10
Resolution M_z	[Nmm]	1/40	1/20	1/10

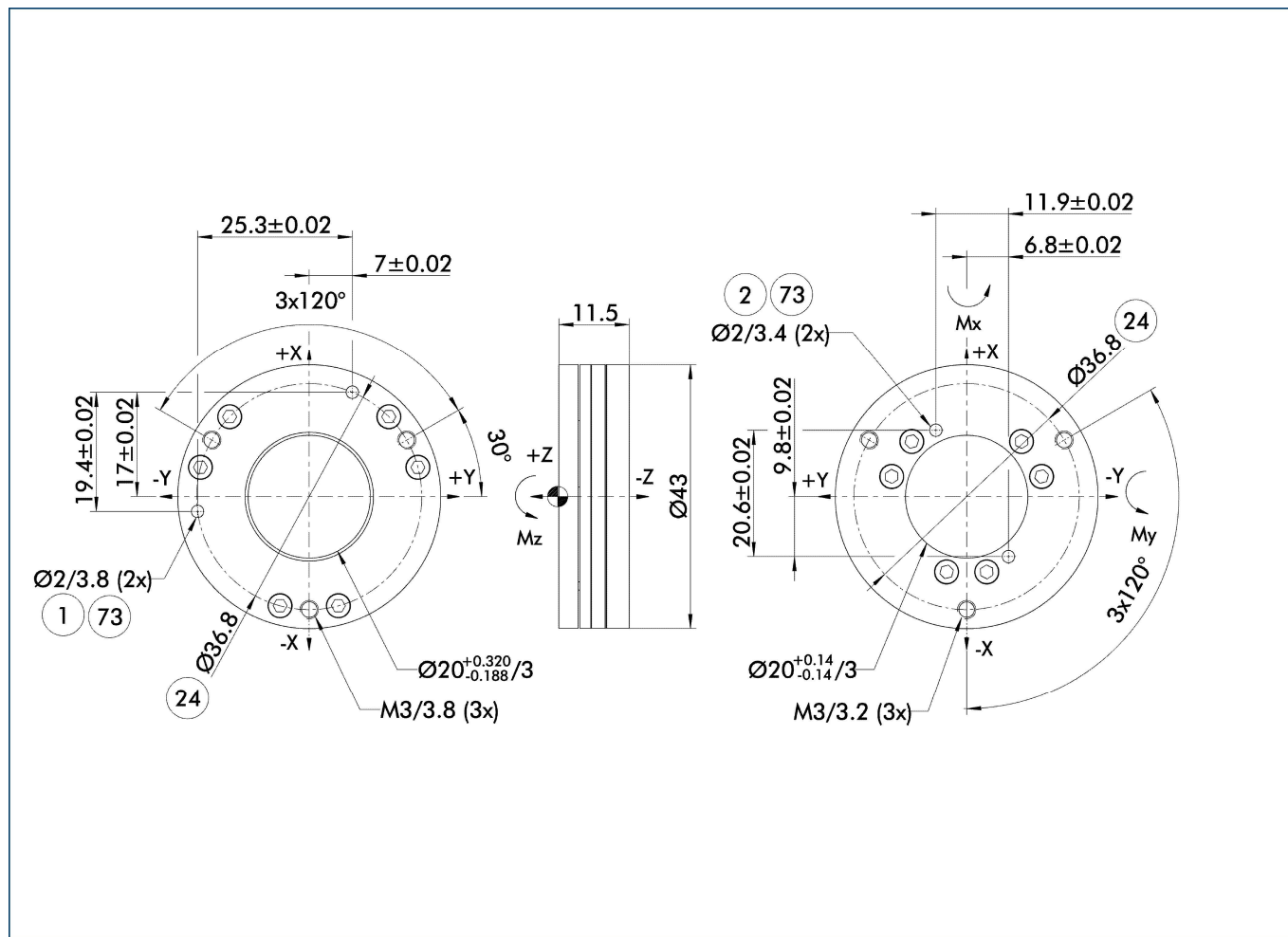
Technical data deviating from FTD

Description		FTD-Nano-43	FTD-Nano-43	FTD-Nano-43
Evaluation via		DAQ	DAQ	DAQ
Resolution F_x, F_y	[N]	1/512	1/256	1/128
Resolution F_z	[N]	1/512	1/256	1/128
Resolution M_x, M_y	[Nmm]	1/40	1/20	1/10
Resolution M_z	[Nmm]	1/40	1/20	1/10

Technical data deviating from FTS

Description		FTS-Nano-43	FTS-Nano-43	FTS-Nano-43
Evaluation via		Stand-Alone	Stand-Alone	Stand-Alone
Resolution F_x, F_y	[N]	1/256	1/128	1/64
Resolution F_z	[N]	1/256	1/128	1/64
Resolution M_x, M_y	[Nmm]	1/20	1/10	1/5
Resolution M_z	[Nmm]	1/20	1/10	1/5

Main view



The main view shows the unit in its basic version.

- ① Robot side connection
- ② Tool side connection
- ④ Bolt circle
- ⑦ Fit for a centering pin

