Engineering data (WIN -100037)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	28	V AC (rms)
Rated power	6.6	kW
Rated speed	127.0	mm/s
Rated force	32000	N
Rated current	148.08	A (rms)
Peak force	84159	N
Peak current	396.45	A (rms)
Stall force	32000	N
Stall current	186.5	A (rms)
No load speed	157.9	mm/s
Screw static load rating	155131	N
Screw dynamic load rating	84159	N
EMF constant ±10%	0.21	V AC (rms) / (mm/s)
Theoretical force constant ±10%	286	N/A (rms)
Force constant ±10% @ rated load	270	N/A (rms)
Number of poles	10	
Electrical time constant	7.50	ms
Winding terminal resistance	0.004	Ω
Rotary field terminal inductance	0.03	mH

Values defined at 20°C

Lubrication	
Lubrication type	Low temperature
Lubricant	Isoflex TOPAS NB 5051

Customs info	
HS Code	85015220

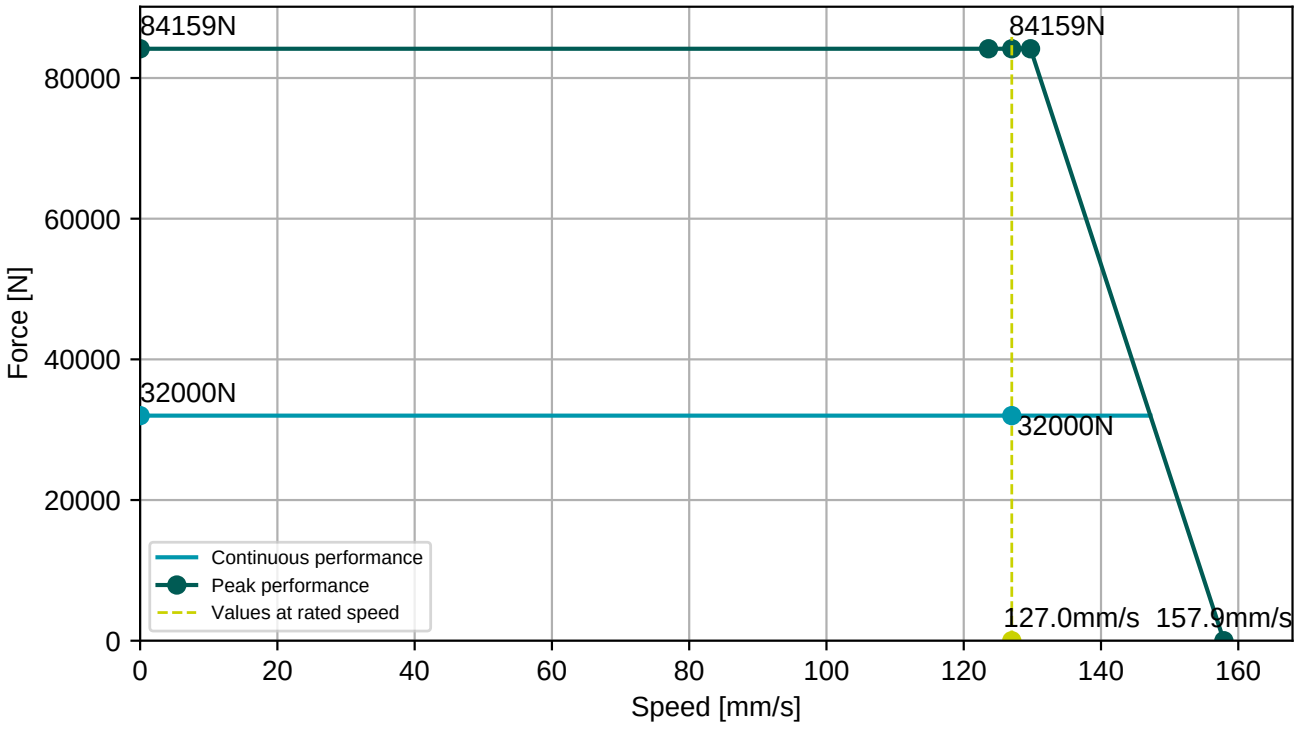
Mechanical data (setting 74)		
Screw lead	2.54	mm
Min. stroke	0	mm
Max. stroke	460	mm
Max mechanical speed	381.0	mm/s
Mech. time constant	0.75	ms
Thermal time constant	80	min
Rotor inertia	23.4	kgcm²
Screw inertia	46.83	kgcm²
Actuator inertia[1]	72.03	kgcm²
Protection	IP65	
Color	EPOX3 (RAL 9005)	
Cooling	Convection	
Operating temperature	<-32; 55>	°C
Motor-only mass	28.1	kg
Screw mass	11.9	kg
Actuator mass[2]	41.8	kg

[1] Total rotor, screw and brake inertia
[2] Total rotor, screw and brake mass

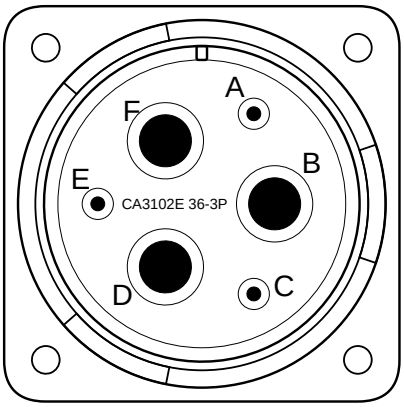
Sensors	
Temperature	PT1000 {PT1000}
Feedback	AD36 (BISS-C) multi-turn, 22+12 bits, 5 VDC

Brake		
Braking torque	18.00	Nm
Voltage	24	V DC
Power @20°C	24.0	W
Current @20°C	1.00	A
Inertia	2.00	kgcm²
Mass	1.80	kg

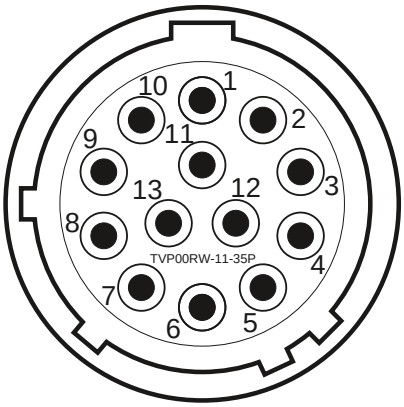
Force / speed curve



CA3102E36-3P-B-A232-F0

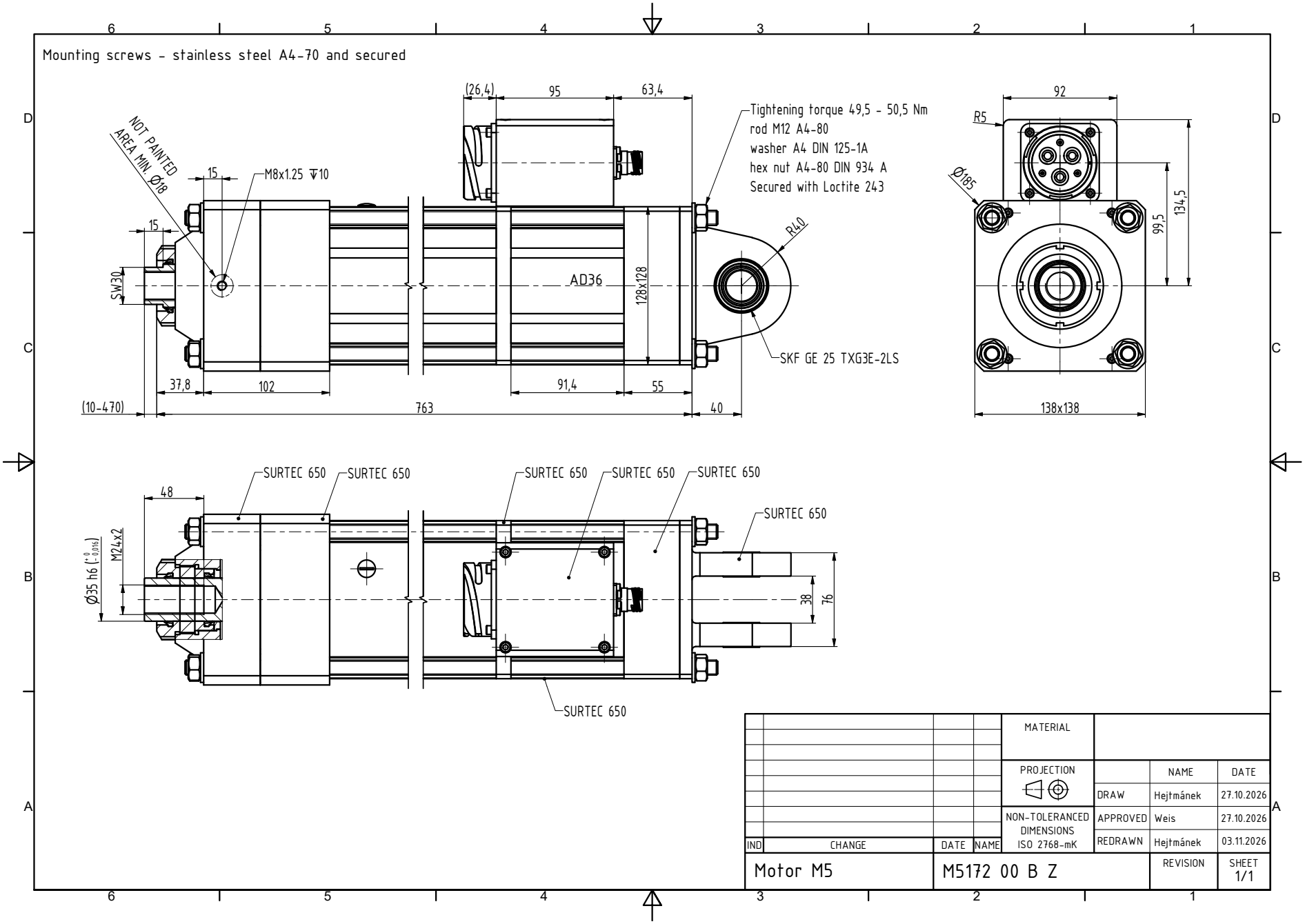


TVP00RW-11-35P
(D38999/20ZB35PN)

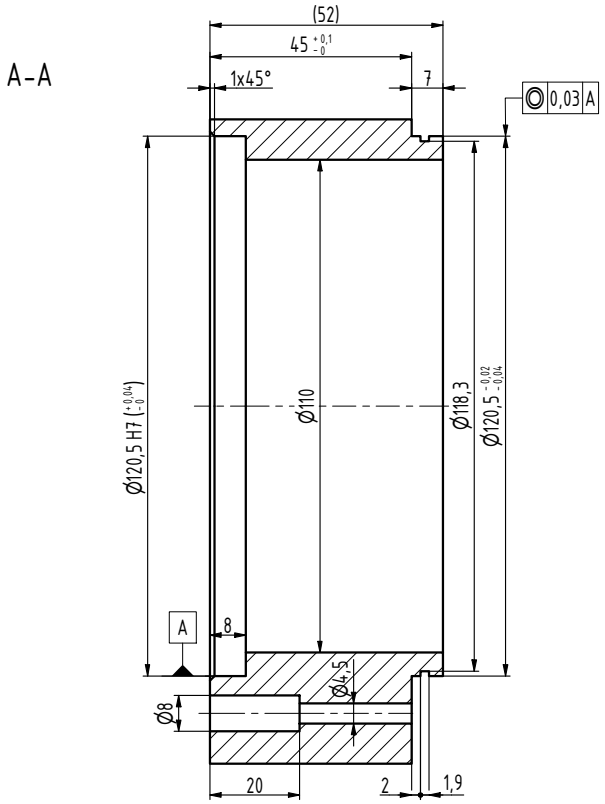


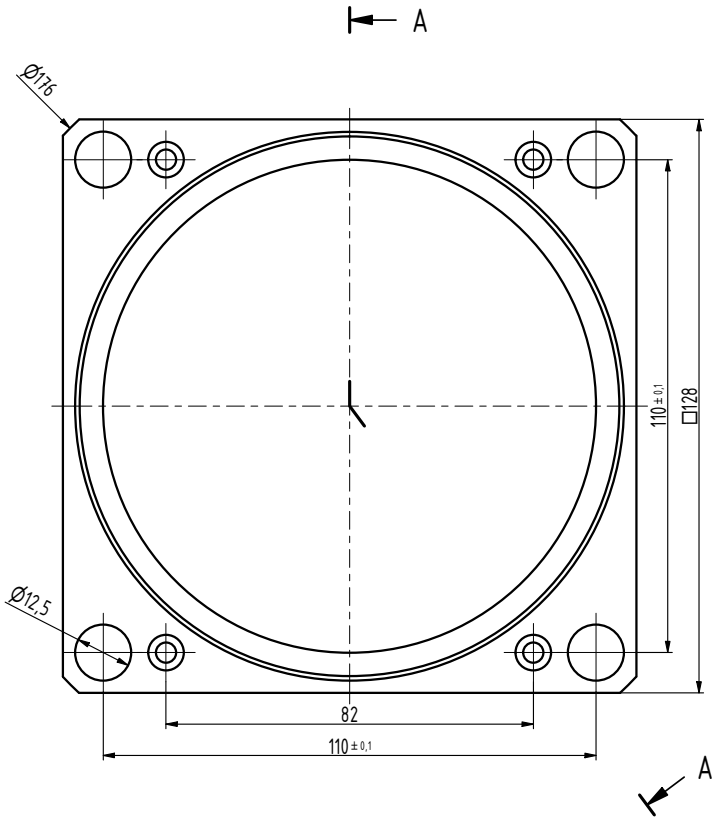
Connector 1 (552)	
A	GND
B	U
C	Brake+
D	V
E	Brake-
F	W

Connector 2 (520)	
1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-


Mounting screws - stainless steel A4-70 and secured
NOT PAINTED AREA MIN. Ø18
M8x1.25 ↧10
15
15
SW30
(26,4)
95
63,4
Tightening torque 49,5 - 50,5 Nm
rod M12 A4-80
washer A4 DIN 125-1A
hex nut A4-80 DIN 934 A
Secured with Loctite 243
R40
AD36
128x128
SKF GE 25 TXG3E-2LS
37,8
102
91,4
55
(10-470)
763
40
92
R5
Ø185
99,5
134,5
138x138
SURTEC 650
SURTEC 650
SURTEC 650
SURTEC 650
SURTEC 650
SURTEC 650
48
Ø35 h6 (-0,016)
M24x2
38
76
SURTEC 650
MATERIAL
PROJECTION
NON-TOLERANCED DIMENSIONS ISO 2768-mK
NAME
DATE
DRAW Hejtmánek 27.10.2026
APPROVED Weis 27.10.2026
REDRAWN Hejtmánek 03.11.2026
IND CHANGE DATE NAME
Motor M5
M5172 00 B Z
REVISION
SHEET 1/1

Surface treated with Surtec 650



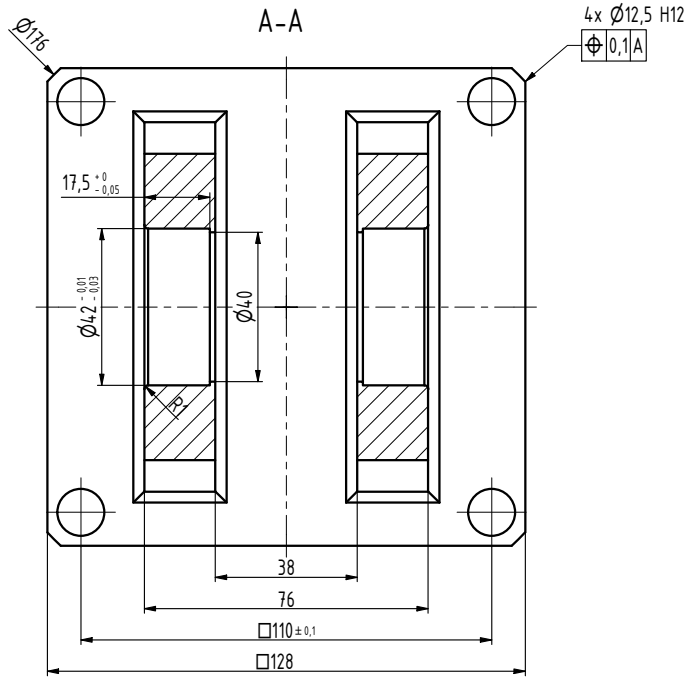


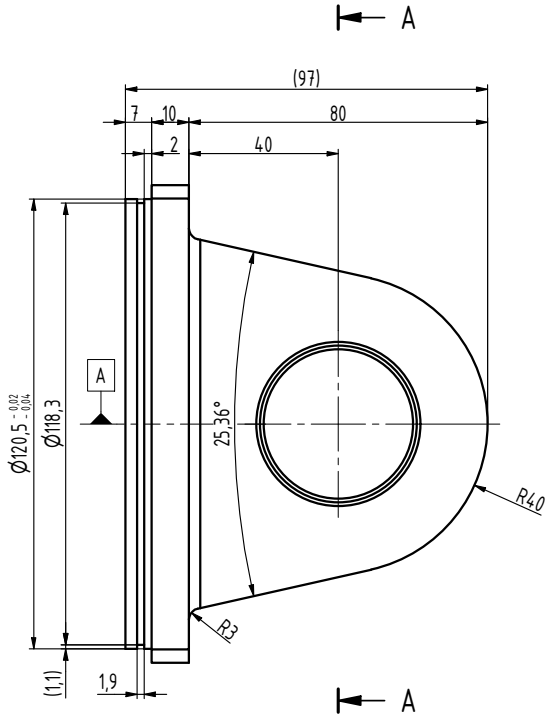
1.6

Chamfer uncoded edges 0,3x45°

				MATERIAL EN AW6082			
				PROJECTION		NAME	DATE
					DRAW	Hejtmánek	04.11.2026
				NON-TOLERANCED DIMENSIONS ISO 2768-mK	APPROVED	Weis	04.11.2026
					REDRAWN		
IND	CHANGE	DATE	NAME				
Intershield B		85194 Z				REVISION	SHEET 1/1

SURTEC 650 Coating





Chamfer uncoded edges 0.3x45°

				MATERIAL EN AW6082			
				PROJECTION		NAME	DATE
					DRAW	Hejtmánek	10.06.2026
				NON-TOLERANCED DIMENSIONS ISO 2768-mK	APPROVED	Weis	10.06.2026
					REDRAWN		
IND	CHANGE	DATE	NAME				
Rear clevis mount		55033 Z				REVISION	SHEET 1/1