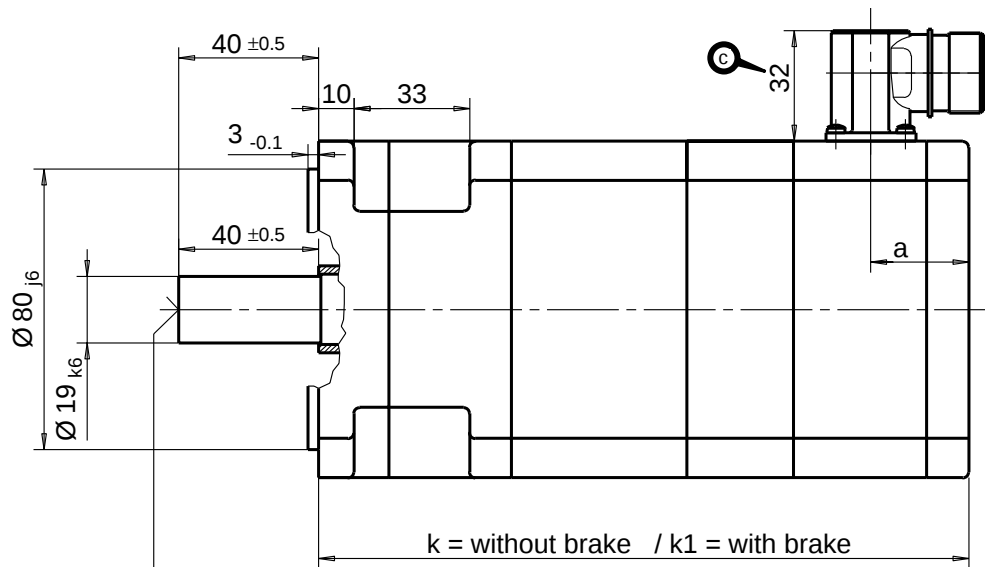


1FT6034	36	1.10	1.22	4.4	4.8	220	240	29	260	280	69
1FT6031	36	0.65	0.77	3.1	3.5	180	200	29	220	240	69
type	mm	$\times 10^{-4} \text{ kgm}^2$		kg		mm			mm		
	shaft height	without brake	with brake	without brake	with brake	k	k1	a	k	k1	a
		moment of inertia		weight		resolver			encoder		

flange and shaft tolerances acc. to DIN 42955		not toleranced dimensions $\pm 1\text{mm}$		Sigraph DESIGN		scale: without			
e Ä.M. 500730		19.08.03 MG/MJ		date: 1.06.93		dimension sheet 1FT603. self cooling with plug size 1 with/without brake IMB5 sheet-Nr. 1 total sheets 1			
d Maße geändert.		22.03.00 Fuß/Ke		name: Baumeister					
c Stecker bildl. ber.		02.06.99 Wd/Ke		respons.: Mueller					
b Maß P96 in P92 geä.		22.12.94 Sc		dept.:A&D MC EWN KT2					
a Maße geändert		11.11.93 Sc		Siemens AG					
index information		date name/respons.							
replacement for:						510.37506.01 e 			

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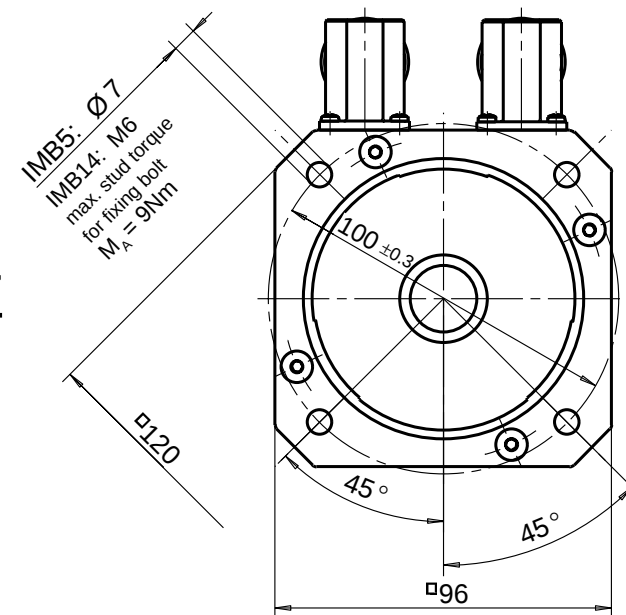
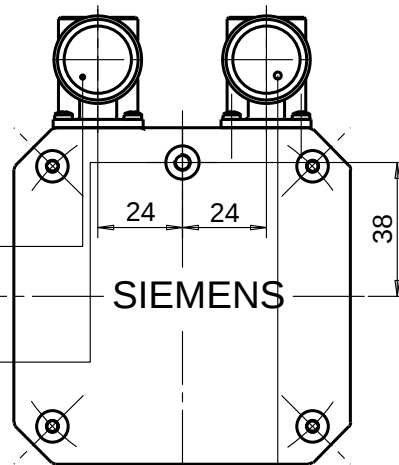
centre hole DIN 332 - DR M6

view Z

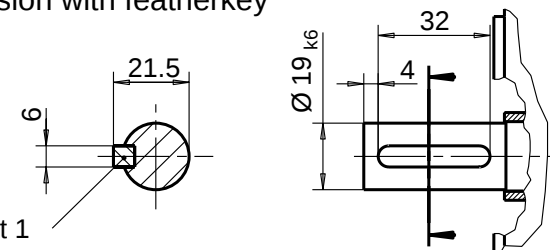
plug size 1 for power and brake

port for sealing air M5 only at IP67/68

plug for signal port



version with featherkey



deviation acc. to DIN 6885 sheet 1

1FT6044	48	5.1	6.1	8.3	9.5	235	270	26	278	313	69
1FT6041	48	2.9	3.9	6.6	7.8	185	220	26	228	263	69
type	mm	$\times 10^{-4} \text{ kgm}^2$		kg		mm		mm			
shaft height	without brake	with brake	without brake	with brake	k	k1	a	k	k1	a	
	moment of inertia		weight		resolver			encoder			

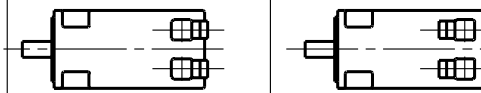
plug direction:

transverse - right

transverse - left

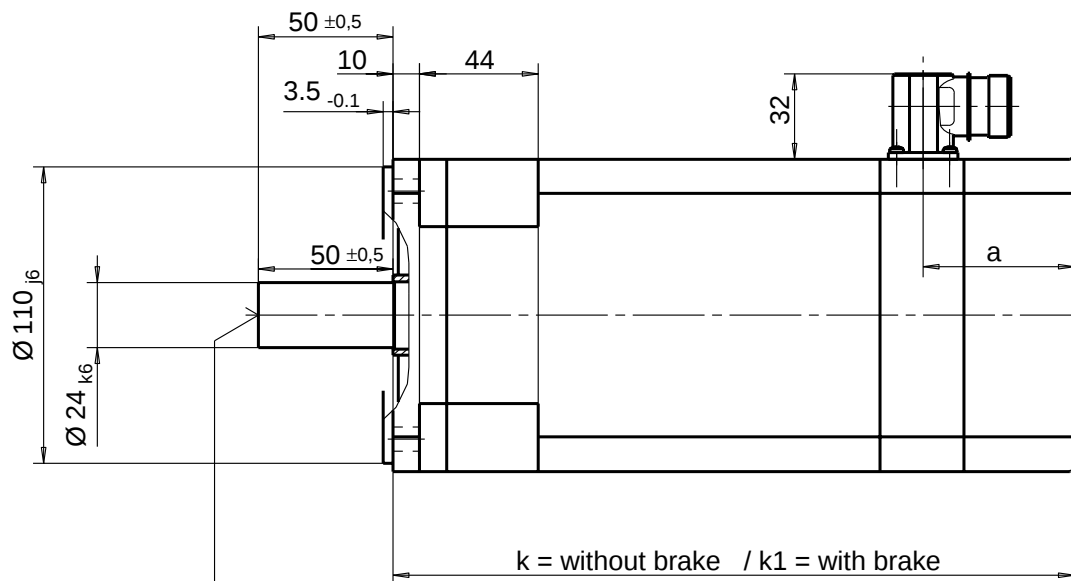
axial - NDE

axial - DE

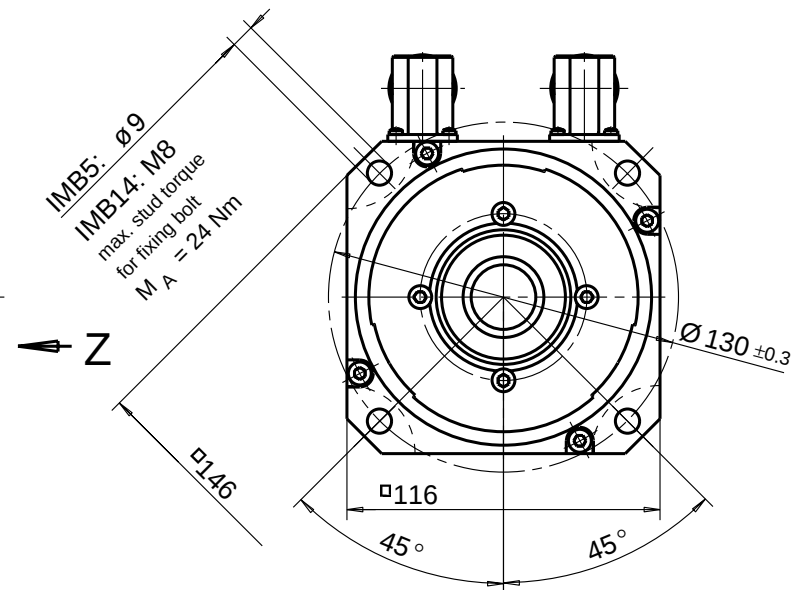


flange and shaft tolerances acc. to DIN 42955	not tolerated dimensions $\pm 1 \text{ mm}$	Sigraph DESIGN	scale: without
a Stecker bildl. ber. 02.06.99 Wd/Ke	date: 2.06.93	dimension sheet 1FT604. self cooling with plug size 1 with/without brake IMB5	
b Maßkorrektur 29.09.99 Sö/Se	name: Baumeister		
c Ä.M. 500730 19.08.03 MG/MJ	respons.: Mueller		
	dept.: A&D MC EWN KT2		
index information date name/respons.	Siemens AG		
replacement for:	510.37507.01		sheet No. 1 total sheets 1

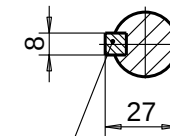
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centre hole DIN 332-DR M8



version with featherkey

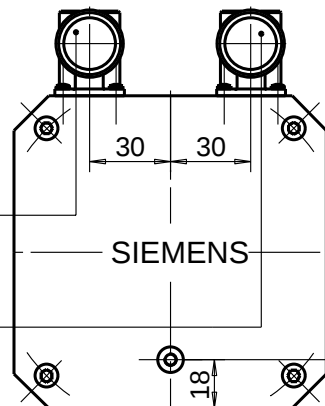


port for sealing air M5 only at IP67/68

view Z

plug size 1 for power and brake

plug for signal port



deviation acc. to DIN 6885 sheet 1

1FT6064	63	13.0	15.5	12.5	14.0	273	303	26	303	333	56
1FT6062	63	8.5	11.0	9.5	11.0	223	253	26	253	283	56
1FT6061	63	6.0	8.5	8.0	9.5	198	228	26	228	258	56
type	mm	x10 ⁻⁴ kgm ²		kg		mm		mm			
shaft height	without brake	with brake	without brake	with brake	k	k1	a	k	k1	a	
	moment of inertia		weight		resolver		encoder				

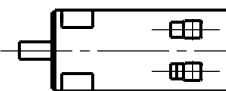
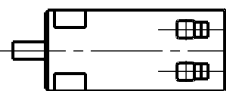
plug direction:

transverse - right

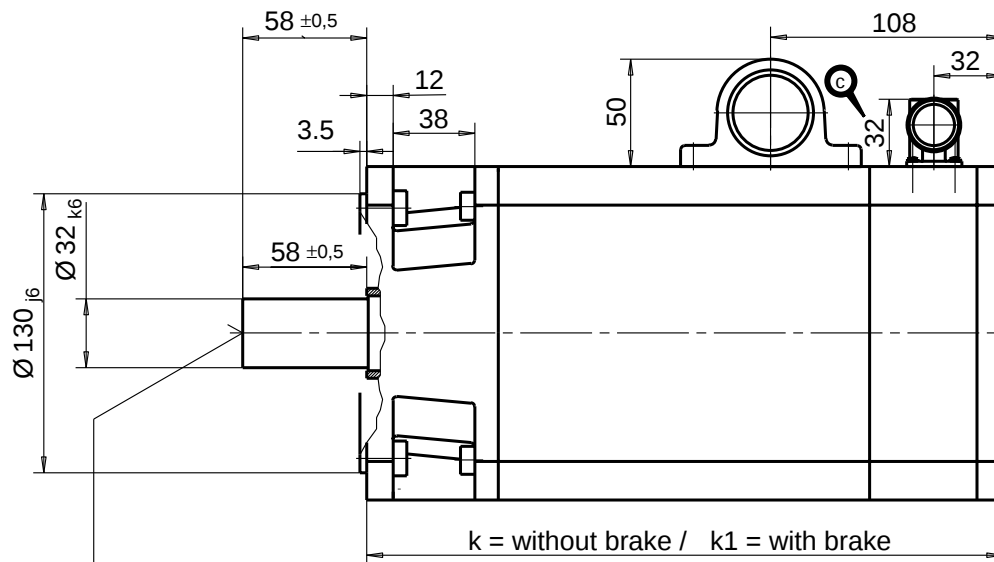
transverse - left

axial - NDE

axial - DE

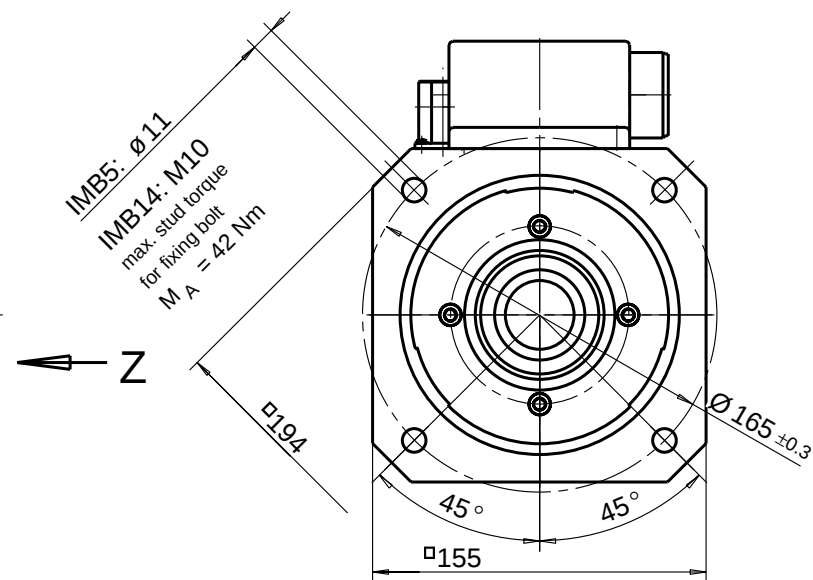


flange and shaft tolerances acc. to DIN 42955	not tolerated dimensions ±1mm	Sigraph DESIGN	scale: without
a Stecker bildl. ber. 02.06.99 Wd/Ke	date: 1.06.93	dimension sheet 1FT606. self cooling with plug size 1 with/without brake IMB5 (IMB14)	
b Anzugsmom. hinzu 17.01.00 Fuß/Tsch	name: Baumeister		
c Ä.M. 500730 19.08.03 MG/MJ	respons.: Mueller		
index information date name/respons.		Siemens AG	sheet No. 1
replacement for:		510.37508.01	total sheets 1



centre hole DIN332 - DR M12

k = without brake / k1 = with brake



view Z

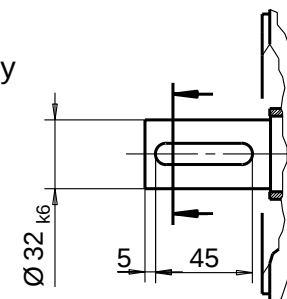
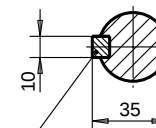
plug size 1 for power
and brake

SIEMENS

plug for signal port

port for sealing air M5
only at IP67/68

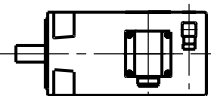
version with featherkey



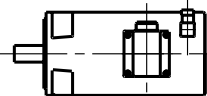
deviation acc. to DIN 6885 sheet 1

1FT6086	80	66.5	83.5	25.5	29.0	346	392
1FT6084	80	48.0	65.0	20.5	24.0	296	342
1FT6082	80	30.0	33.5	15.0	16.5	246	273
1FT6081	80	21.0	24.5	12.5	14.0	221	248
type	mm	x10 ⁻⁴ kgm ²		kg		mm	
	shaft height	without brake	with brake	without brake	with brake	k	k1
		moment of inertia		weight		resolver/encoder	

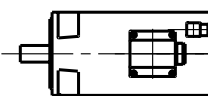
plug direction:



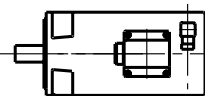
transverse - right



transverse - left

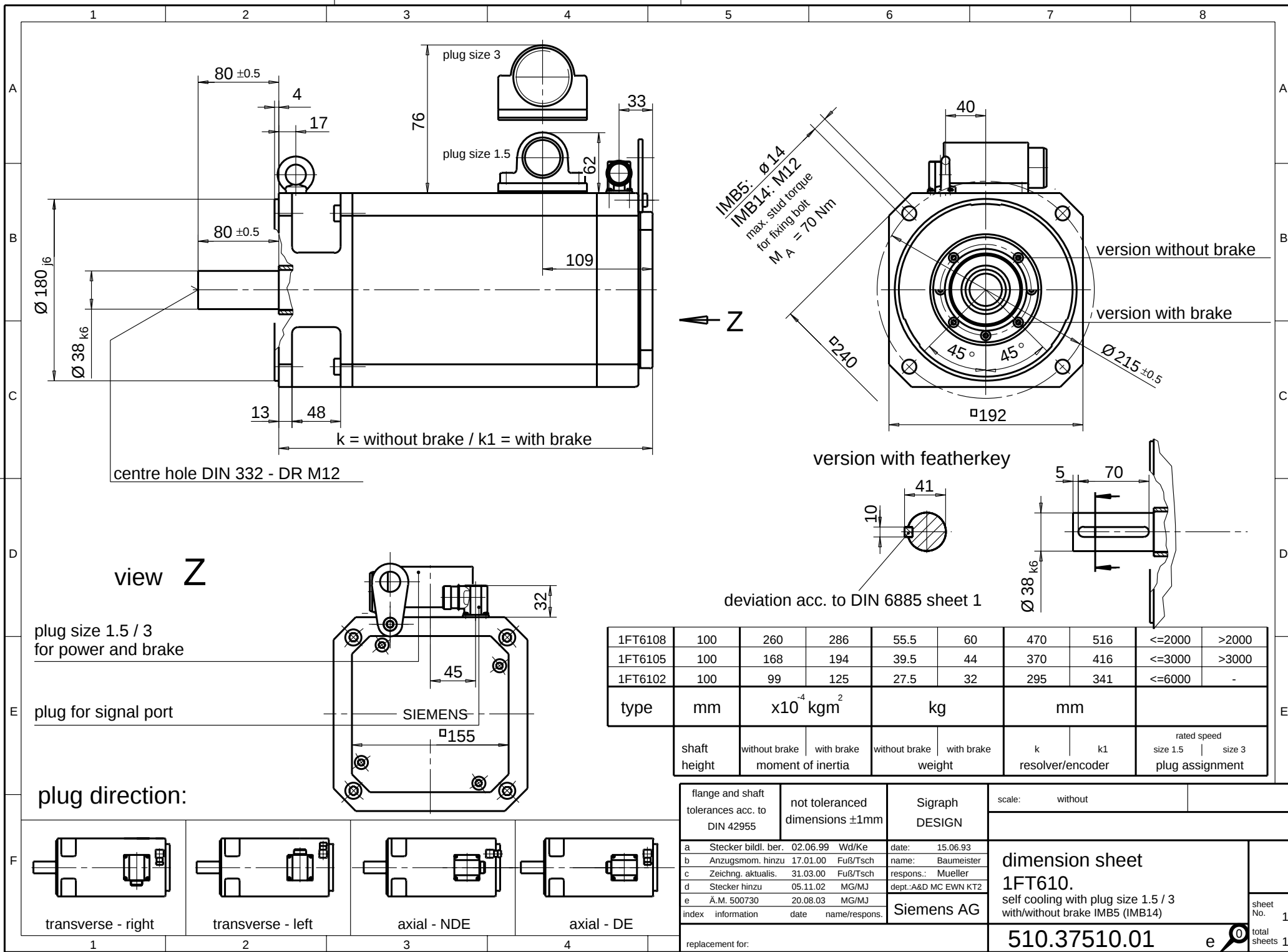


axial - NDE



axial - DE

flange and shaft tolerances acc. to DIN 42955	not tolanced dimensions $\pm 1\text{mm}$	Sigraph DESIGN	scale: without
a Stecker bildl. ber. 02.06.99 Wd/Ke	date: 14.06.93	dimension sheet 1FT608. self cooling with plug size 1.5 with/without brake IMB5 (IMB14)	
b Anzugsmom. hinzu 17.01.00 Fuß/Tsch	name: Baumeister		
c A.M. 500730 19.08.03 MG/MJ	respons.: Mueller		
	dept.: A&D MC EWN KT2		
index information	date name/respons.	Siemens AG	
replacement for:		510.37509.01	sheet No. 1 total sheets 1



Technical drawing of the Siemens 1FT613-6A motor, showing various views and dimensions.

Views and Dimensions:

- Front View (Top Left):** Shows the motor body with dimensions: 82, 23, 5, 133, 67, 32, 35, 2, 132, 18, 62. Plug size 1.5, 12-pole plug for resolver connection, 17-pole plug for optical encoder. Centre hole DIN 332 - DR M16.
- Side View (Top Right):** Shows the motor body with dimensions: 76, 133, 67, 32, 35, 2, 132, 18, 62. Plug size 1.5, 12-pole plug for resolver connection, 17-pole plug for optical encoder.
- Top View (Bottom Left):** Shows the motor body with dimensions: 82, 23, 5, 133, 67, 32, 35, 2, 132, 18, 62. Plug size 1.5, 12-pole plug for resolver connection, 17-pole plug for optical encoder.
- Bottom View (Bottom Right):** Shows the motor body with dimensions: 82, 23, 5, 133, 67, 32, 35, 2, 132, 18, 62. Plug size 1.5, 12-pole plug for resolver connection, 17-pole plug for optical encoder.
- Transverse View (Left):** Shows the motor body with dimensions: 82, 23, 5, 133, 67, 32, 35, 2, 132, 18, 62. Plug size 1.5, 12-pole plug for resolver connection, 17-pole plug for optical encoder.
- Axial View (Right):** Shows the motor body with dimensions: 82, 23, 5, 133, 67, 32, 35, 2, 132, 18, 62. Plug size 1.5, 12-pole plug for resolver connection, 17-pole plug for optical encoder.

Table 1: Dimensions (mm)

Dimension	Value
1	82
2	23
3	5
4	133
5	67
6	32
7	35
8	2
9	132
10	18
11	62

Table 2: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 3: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 4: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 5: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 6: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 7: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 8: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 9: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 10: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 11: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 12: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 13: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 14: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 15: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 16: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132	100	110	473
1FT6132	132	85	95	423

Table 17: Motor Specifications

type	mm	kg	mm	rpm
1FT6136	132	117	127	523
1FT6134	132			