

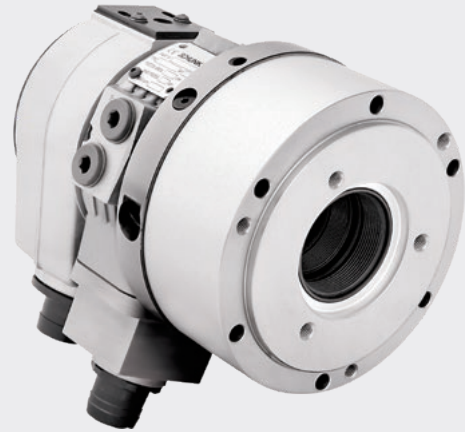


OPUS-H3

Hydraulically actuated open-center cylinder

Open-center cylinders for hydraulically operated power lathe chucks with large through-hole, wide adjustment range and shortest switching times.

The clamping cylinder OPUS-H3 is the ideal standard cylinder with a large through-hole for all conventional power lathe chucks. The clamping cylinder is designed for high rotational speeds and can be operated at a hydraulic pressure of up to 45 bar. Two proximity switches allow easy adjustment and monitoring of the clamping stroke via an integrated control cam.



Advantages – Your benefits

- + Integrated check valve**
Temporarily maintains the pressure in the hydraulic cylinder in case of pipe failure
- + Compact design**
Easy integration in existing lathes
- + Large through-hole**
Ideal for machining of rods and feeding material from the back
- + Long actuating stroke**
Suitable for actuation of all standard power chucks
- + Integrated control cam for stroke monitoring**
Two proximity switches allow easy adjustment and monitoring of the clamping stroke

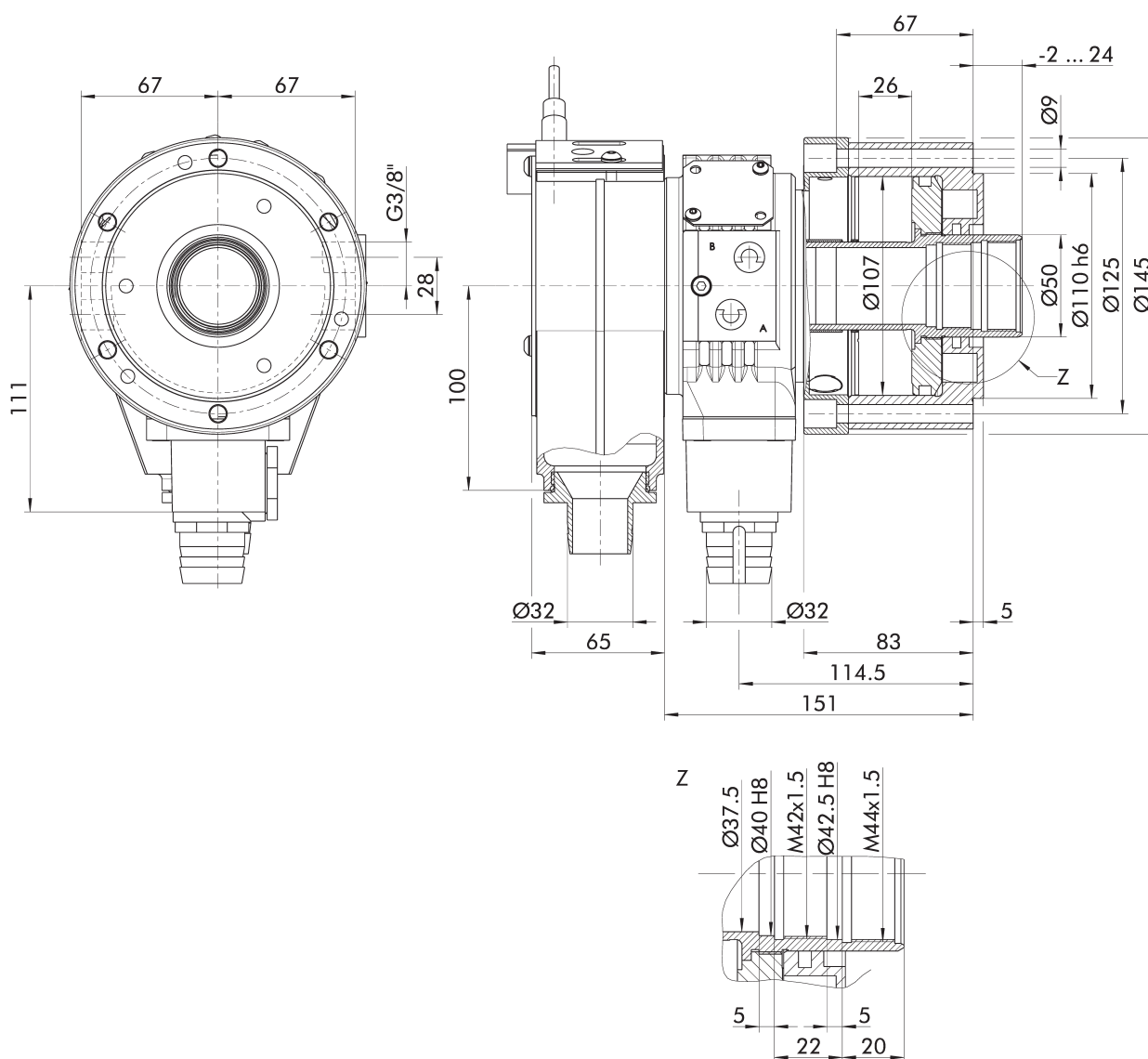
Technical data

Description	Max. rotational speed [min ⁻¹]	Piston stroke [mm]	Through-hole [mm]	Max. pressure [bar]	Pull force at 45 bar [kN]
OPUS-H3 70-37	8000	26	37.5	45	31
OPUS-H3 102-46	7000	25	46.5	45	46
OPUS-H3 130-52	6300	25	52.5	45	58
OPUS-H3 150-67	5500	29	67.5	45	68
OPUS-H3 170-77	5000	29	77	45	76
OPUS-H3 200-86	4500	34	86	45	88
OPUS-H3 225-95	4000	34	95	45	100
OPUS-H3 250-110	3600	35	110.5	45	110
OPUS-H3 320-127	3200	40	127.5	45	144

Scope of delivery

Technical data

ID	Max. rotational speed [min ⁻¹]	Piston surface [cm ²]	Piston stroke [mm]	Through-hole [mm]	Max. pressure [bar]	Pull force at 45 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Power consumption [kW]	Weight [kg]
1360383	8000	70	26	37.5	45	31	2.5	0.013	0.85	8



Subject to technical changes.

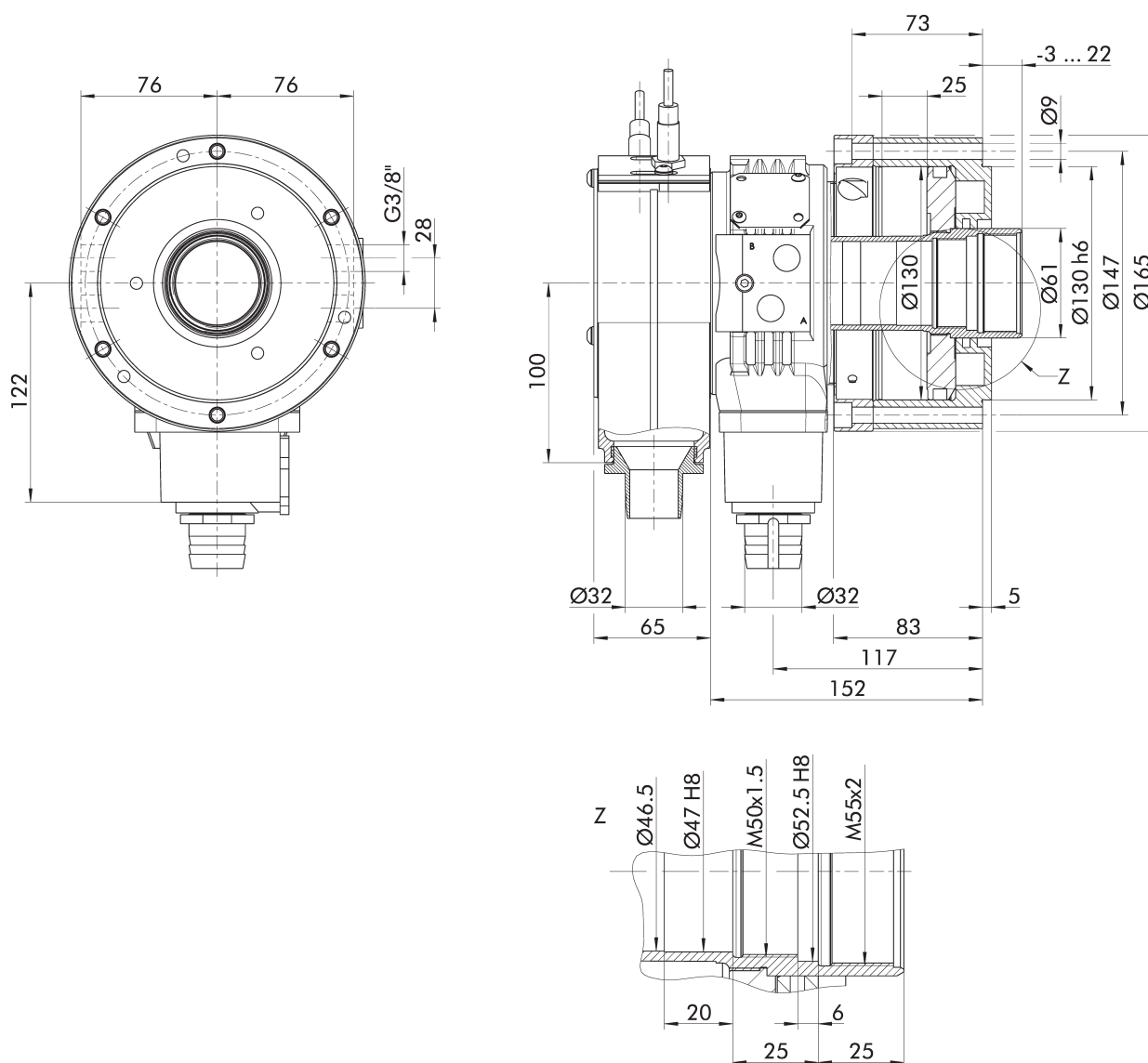
Open-center cylinder

Scope of delivery

Open-center cylinder, coolant collector, stroke control, bracket for sensors and operating manual; without sensors, without mounting screws

Technical data

ID	Max. rotational speed [min ⁻¹]	Piston surface [cm ²]	Piston stroke [mm]	Through-hole [mm]	Max. pressure [bar]	Pull force at 45 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Power consumption [kW]	Weight [kg]
1360384	7000	103	25	46.5	45	46	3	0.028	1	12



Subject to technical changes.

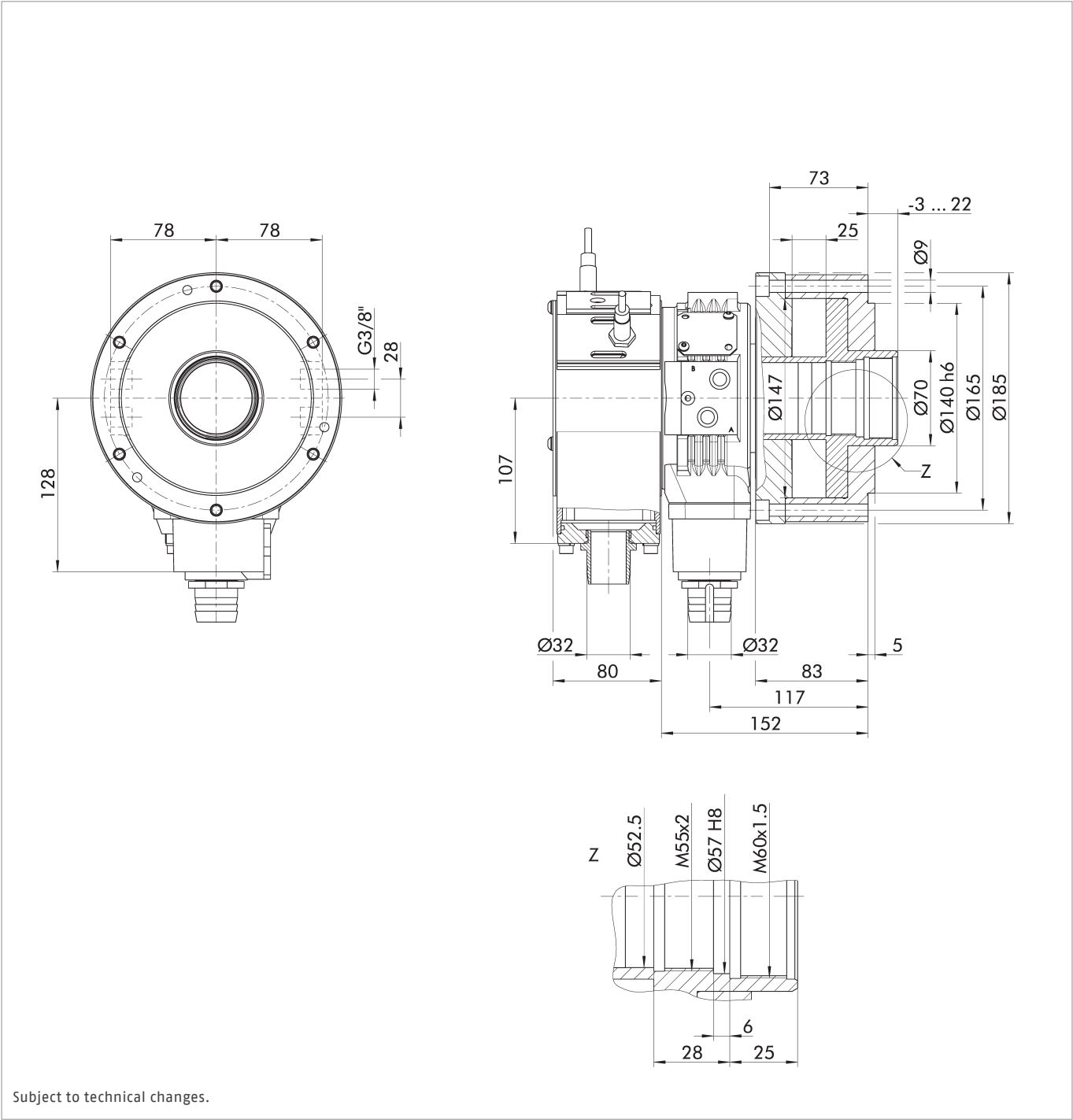
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Technical data

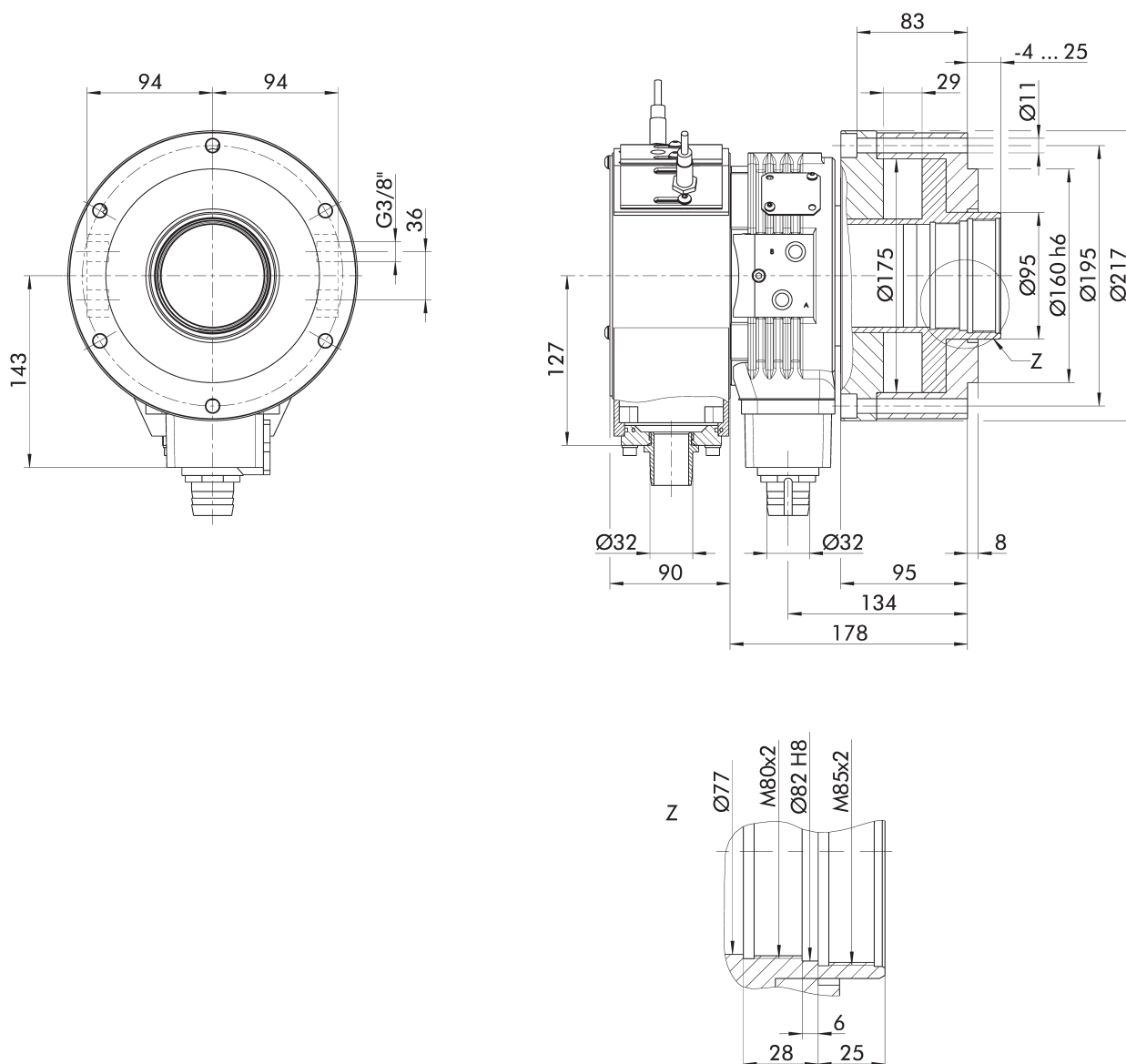
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1360385	6300	131	25	52.5	45	58	3.5	0.04	1.2	15



Scope of delivery

Technical data

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1360387	5000	170	29	77	45	76	4.5	0.09	1.8	23



Subject to technical changes.

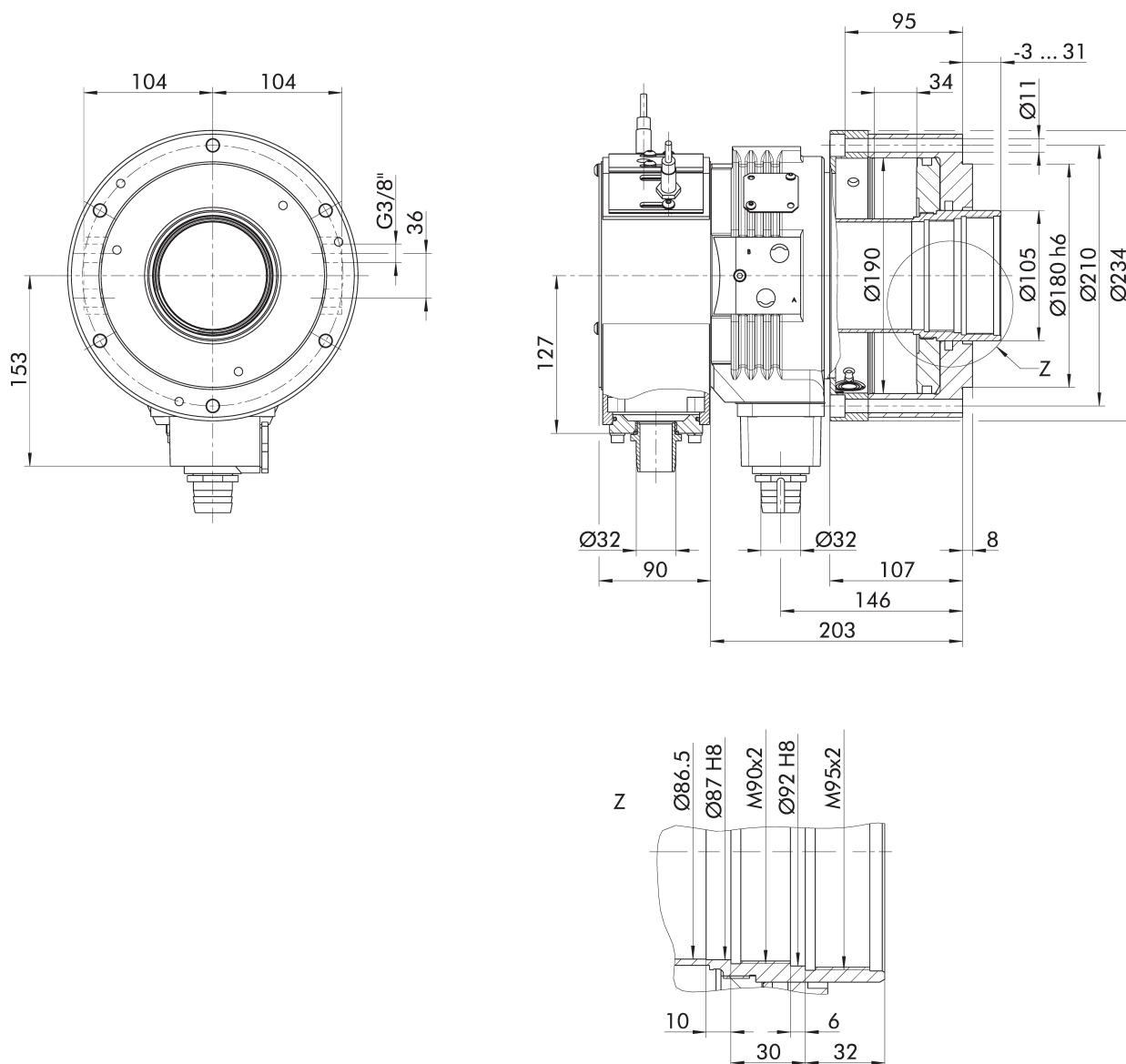
Open-center cylinder

Scope of delivery

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Technical data

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1360393	4500	197	34	86	45	88	5	0.13	1.9	27



Subject to technical changes.

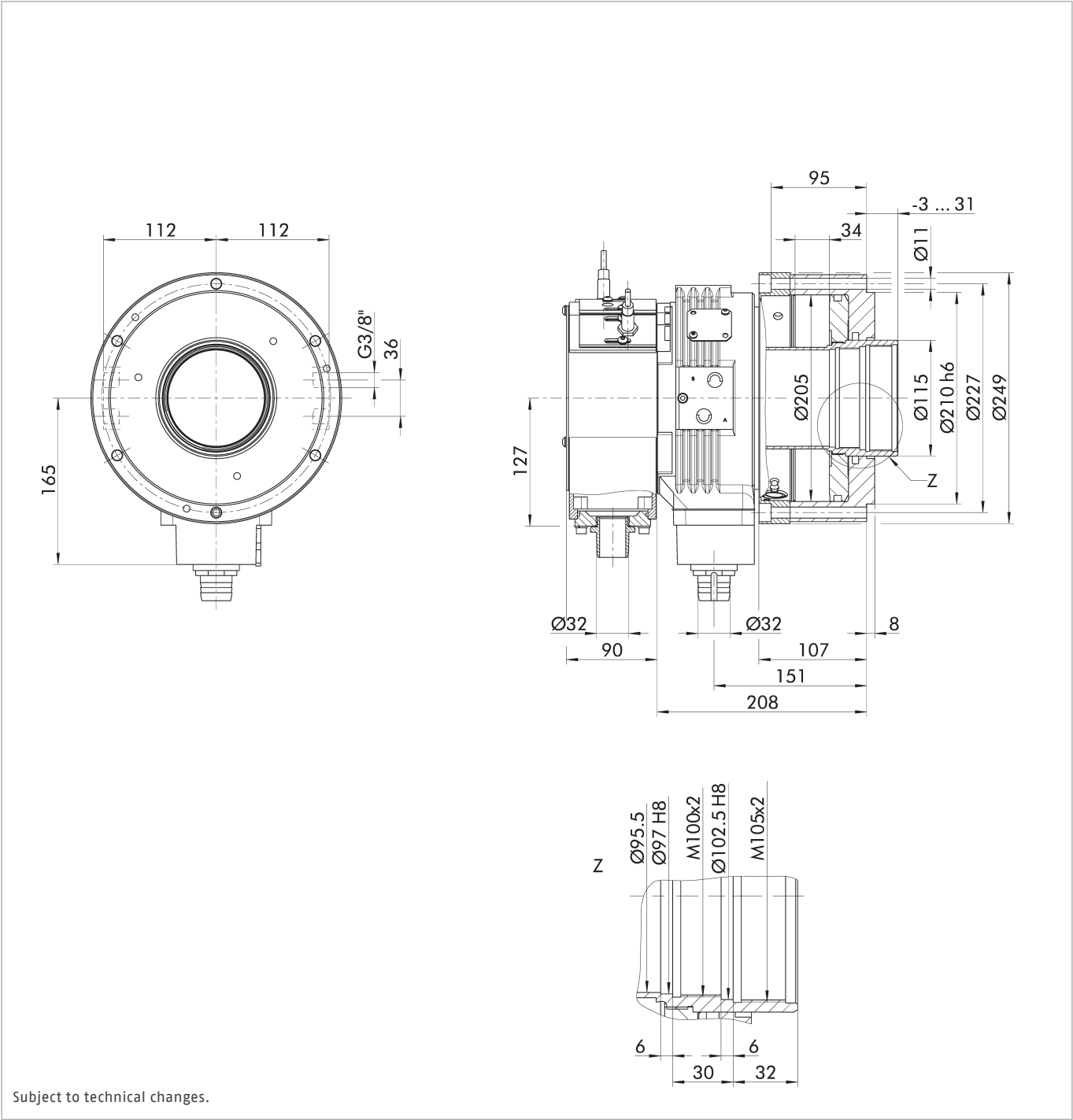
Open-center cylinder

Scope of delivery

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Technical data

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1360394	4000	225	34	95	45	100	7	0.17	1.9	30



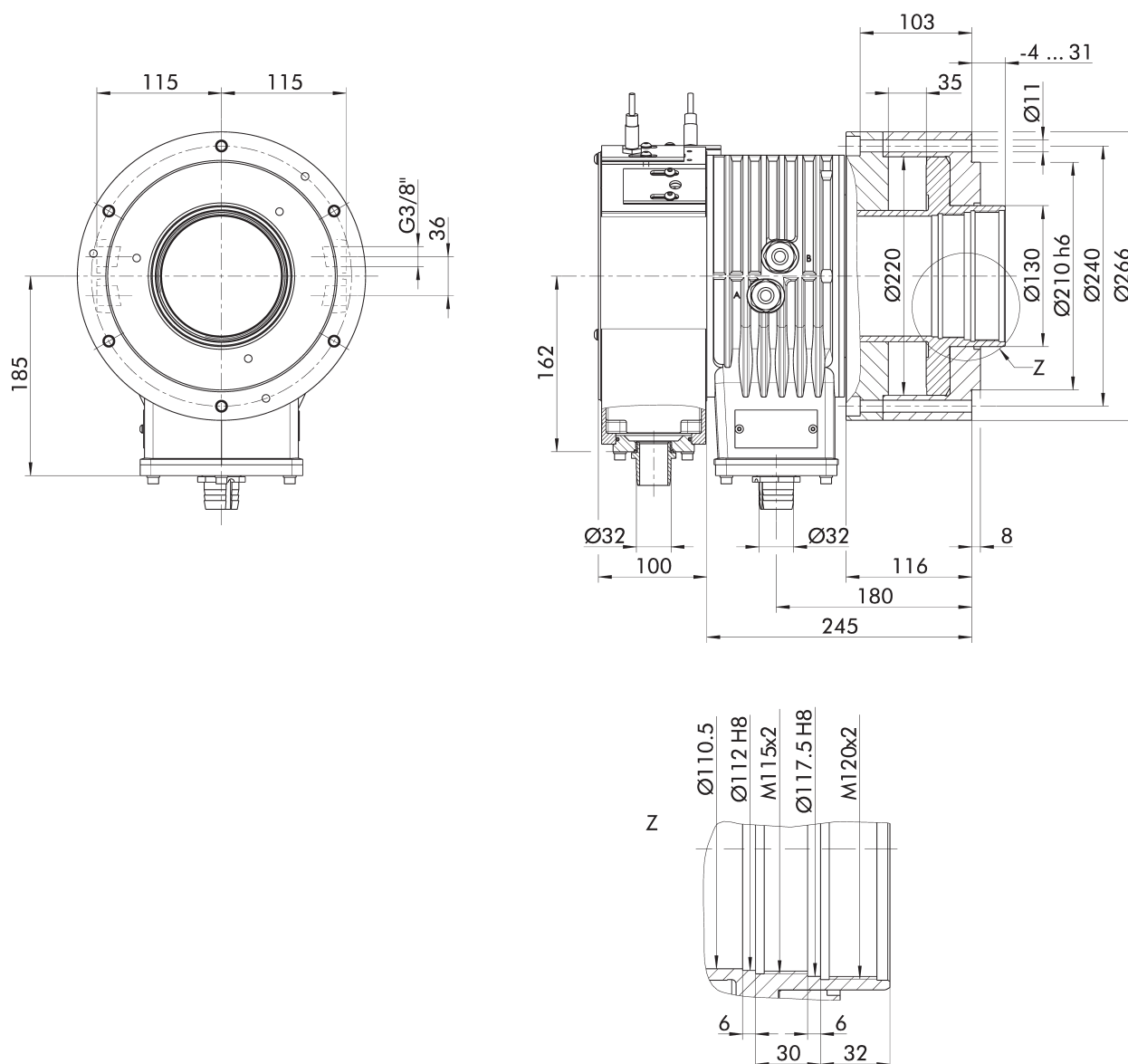
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1360395	3600	247	35	110.5	45	110	9	0.28	2.2	49



Subject to technical changes.

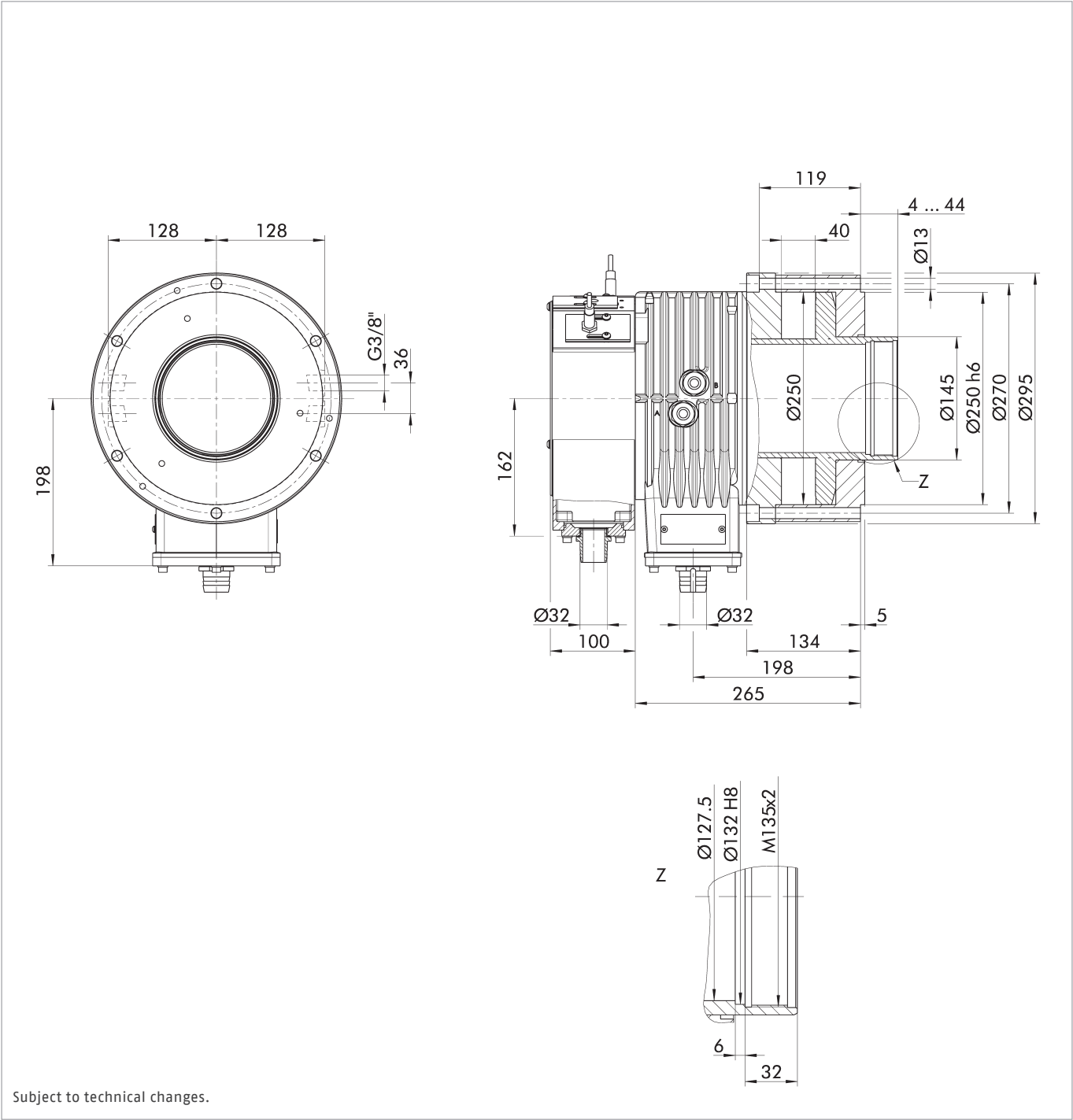
Open-center cylinder

Scope of delivery

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Technical data

ID	Max. rotational speed [min ⁻¹]	Piston surface [cm ²]	Piston stroke [mm]	Through-hole [mm]	Max. pressure [bar]	Pull force at 45 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Power consumption [kW]	Weight [kg]
1360396	3200	325	40	127.5	45	144	12	0.54	2.5	61





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