



OPUS-V

**Hydraulically actuated
closed-center cylinder**

Closed-center cylinders for hydraulically operated power lathe chucks with large control range and shortest switching times

OPUS-V is the ideal standard cylinder without a 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 70 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
- + 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]	Max. pressure [bar]	Pull force at 40 bar [kN]
OPUS-V 70	7000	40	70	11
OPUS-V 85	7000	32	70	19
OPUS-V 100	7000	32	70	26
OPUS-V 125	6000	40	70	41
OPUS-V 150	6000	40	70	62
OPUS-V 175	5000	45	70	84
OPUS-V 200	4000	50	70	112
OPUS-V 250	2000	60	50	180

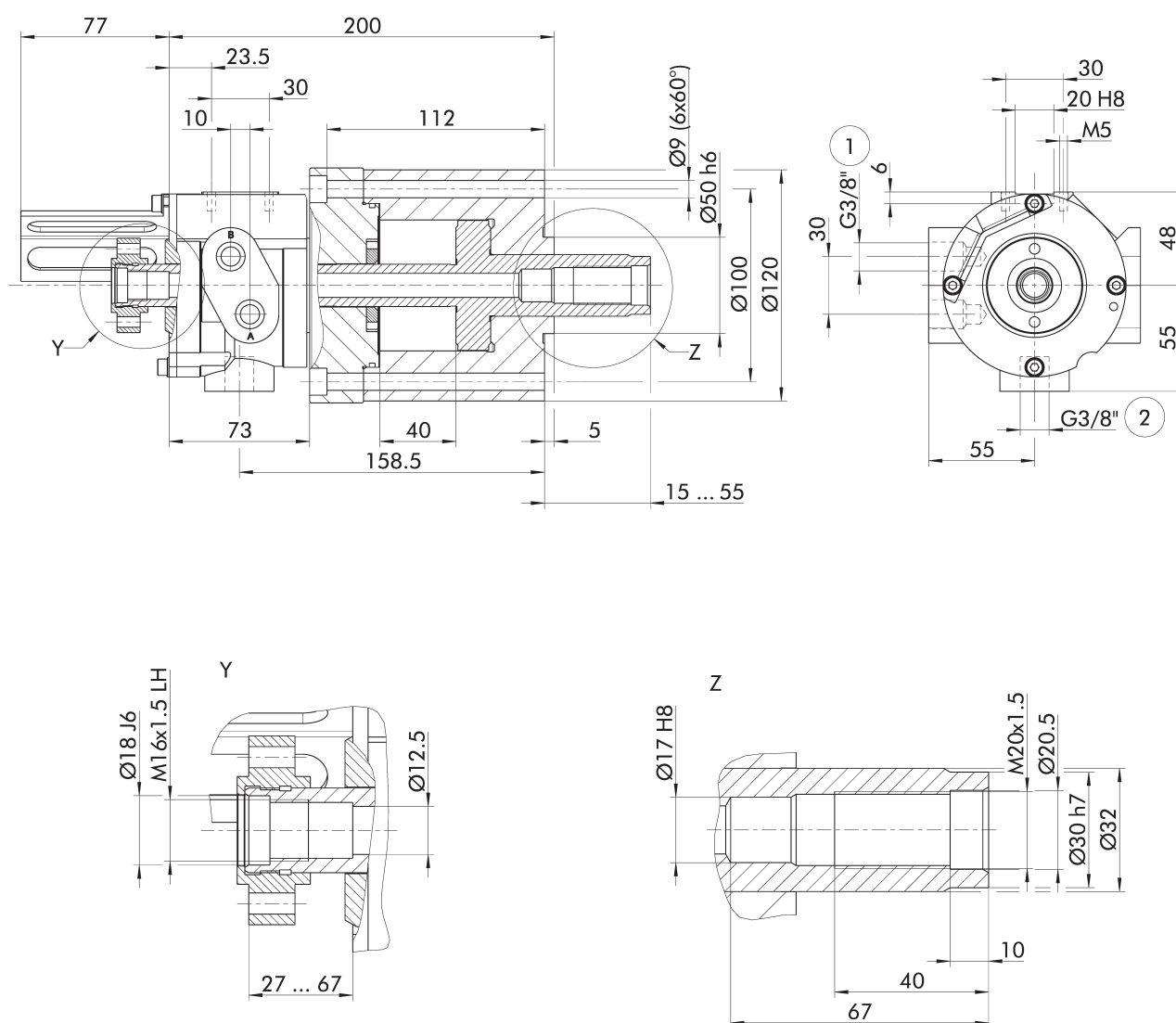
Closed-center cylinder

Scope of delivery

Closed-center cylinder, 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]	Max. pressure [bar]	Pull force at 40 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Weight [kg]
0823320	7000	28	40	70	11	1.5	0.012	8.5



Subject to technical changes.

① Oil pressure connections

② Leakage oil connection

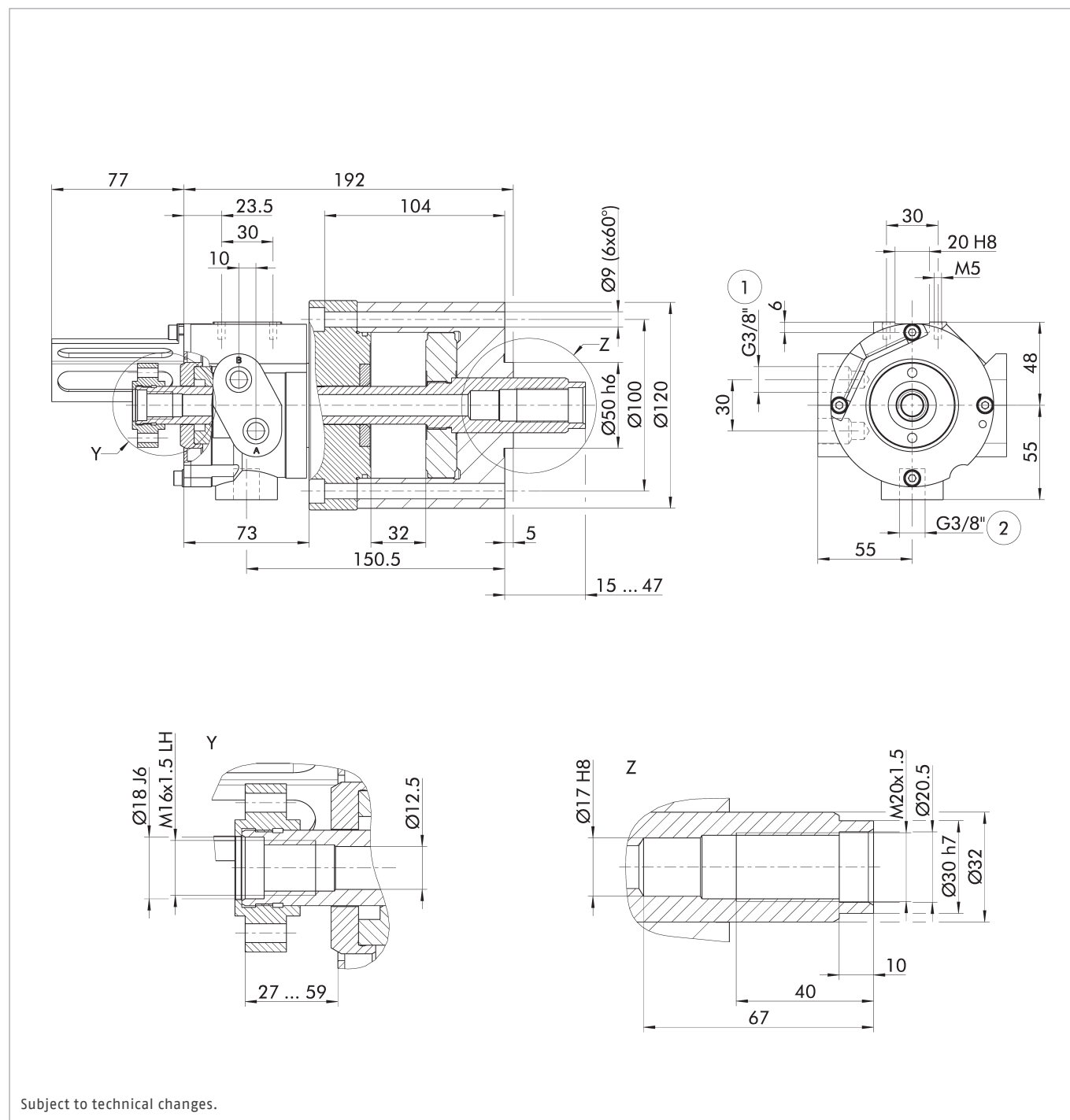
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0823321	7000	48	32	70	19	1.5	0.012	8



Subject to technical changes.

① Oil pressure connections

② Leakage oil connection

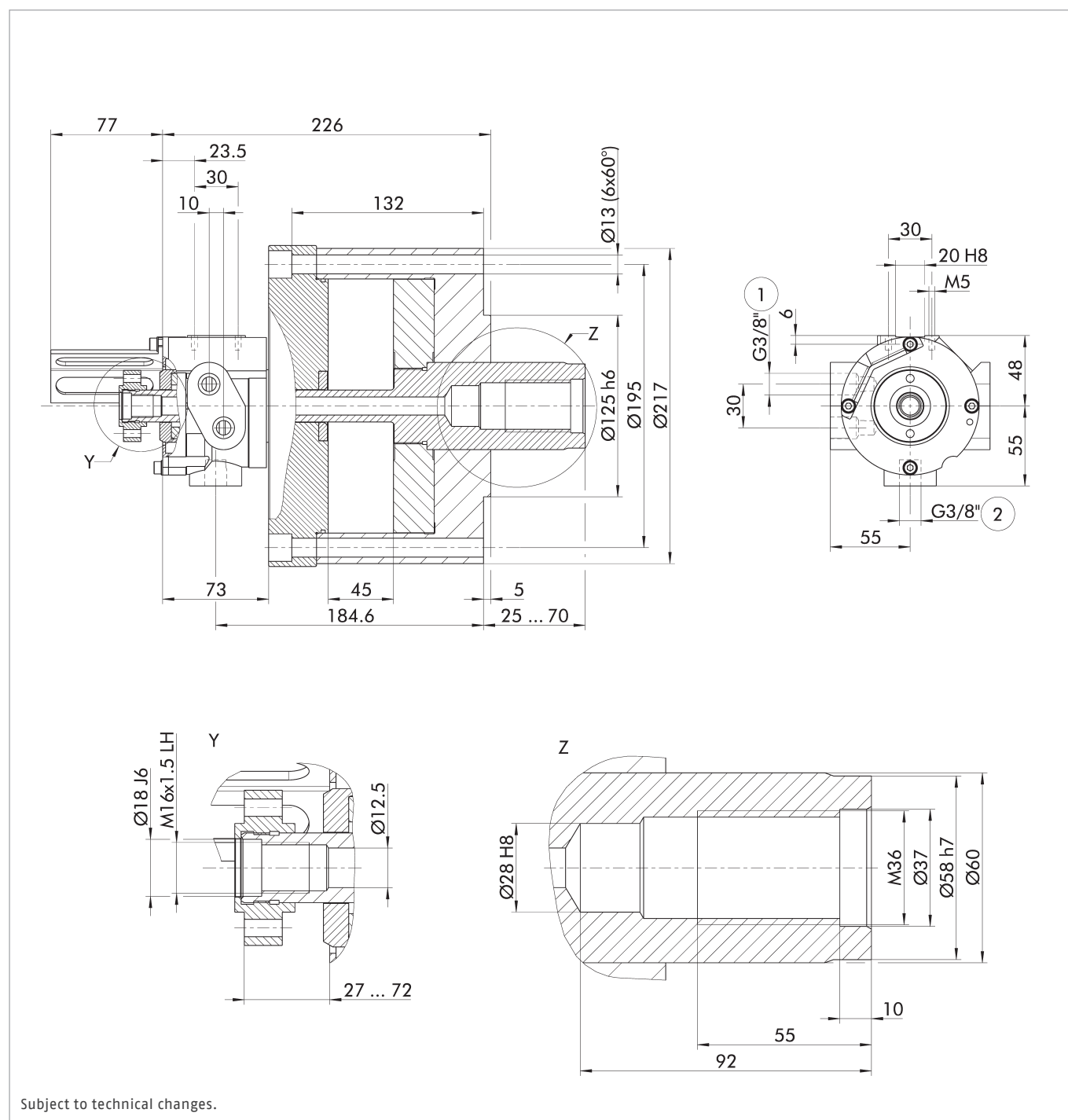
Closed-center cylinder

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Technical data

ID	Max. rotational speed [min ⁻¹]	Piston surface [cm ²]	Piston stroke [mm]	Max. pressure [bar]	Pull force at 40 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Weight [kg]
0823325	5000	212	45	70	84	1.5	0.12	24



① Oil pressure connections

② Leakage oil connection

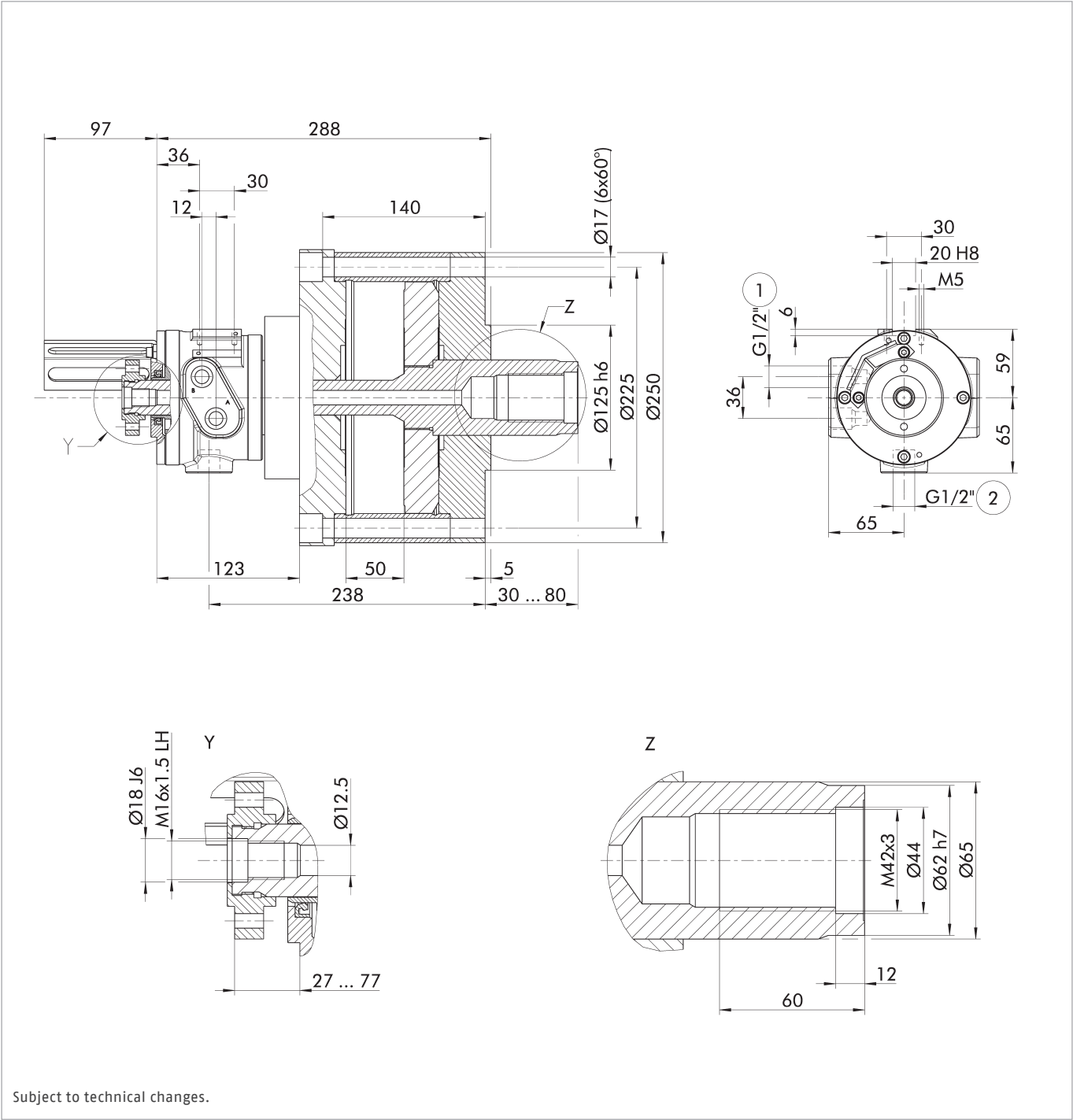
Closed-center cylinder

Scope of delivery

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Technical data

ID	Max. rotational speed [min ⁻¹]	Piston surface [cm ²]	Piston stroke [mm]	Max. pressure [bar]	Pull force at 40 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Weight [kg]
0823326	4000	280	50	70	112	2	0.32	45



① Oil pressure connections

② Leakage oil connection

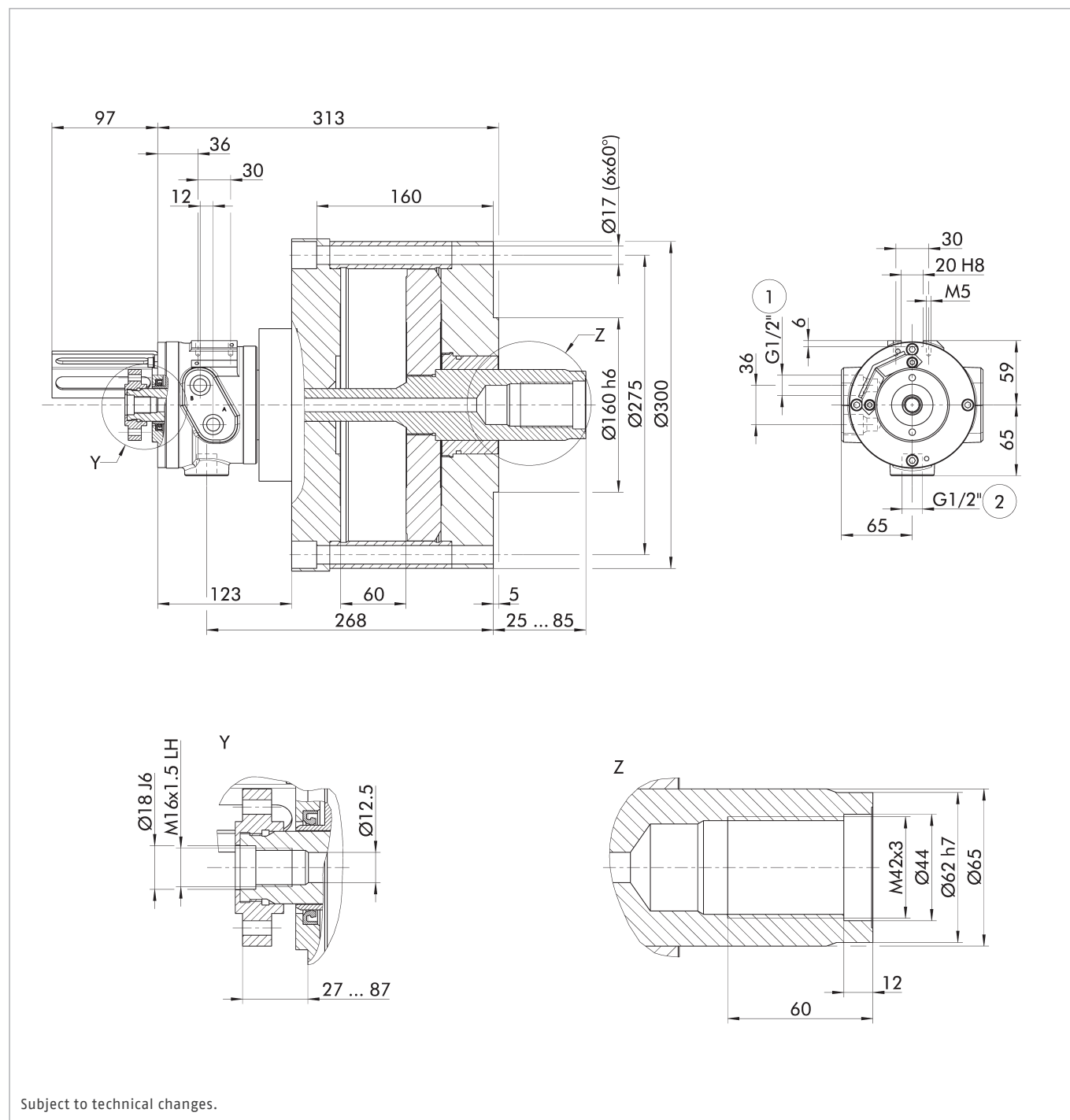
Closed-center cylinder

Scope of delivery

Closed-center cylinder, 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]	Max. pressure [bar]	Pull force at 40 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Weight [kg]
0823327	2000	457	60	50	180	2	0.92	88



Subject to technical changes.

① Oil pressure connections

② Leakage oil connection



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