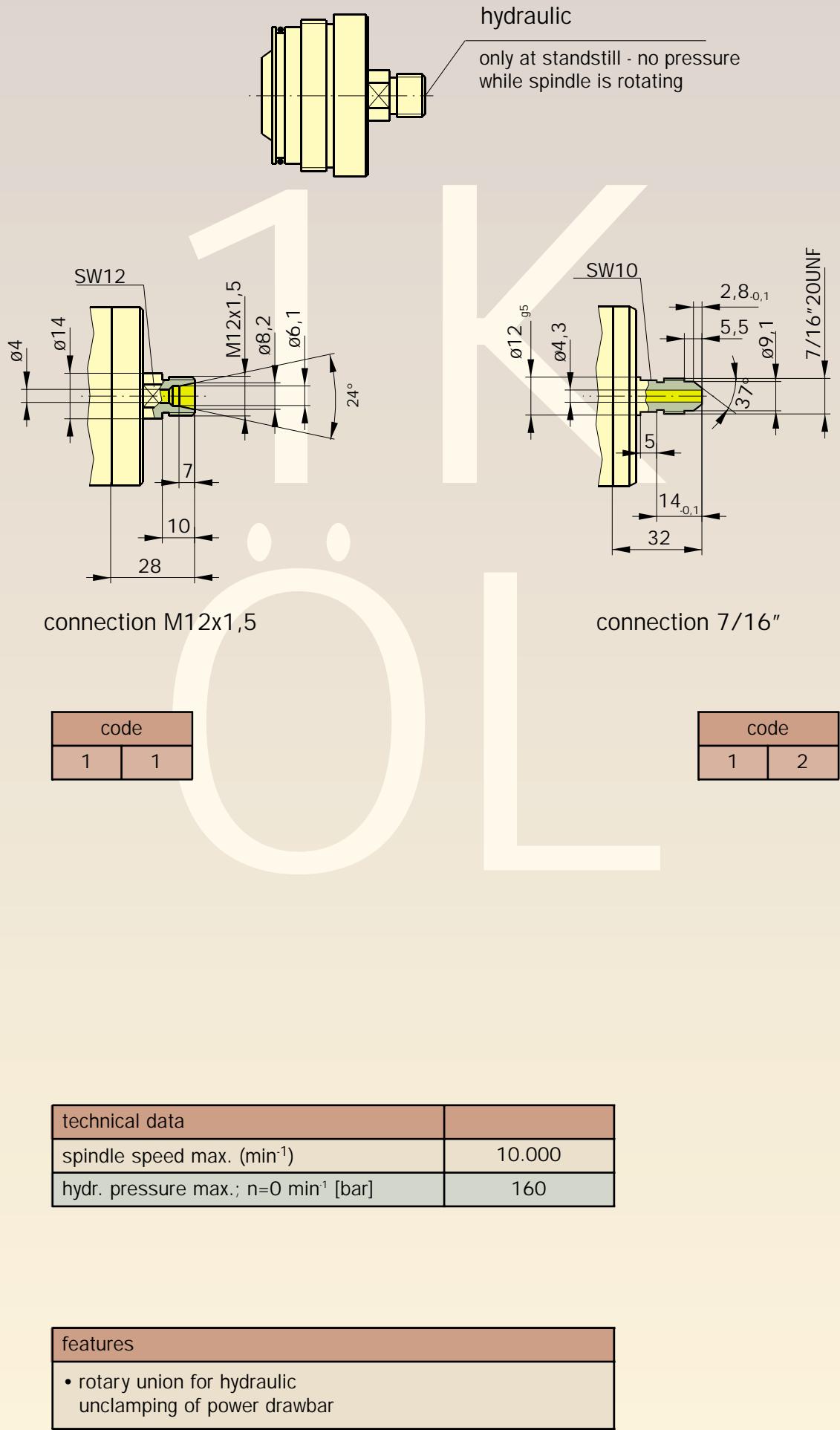
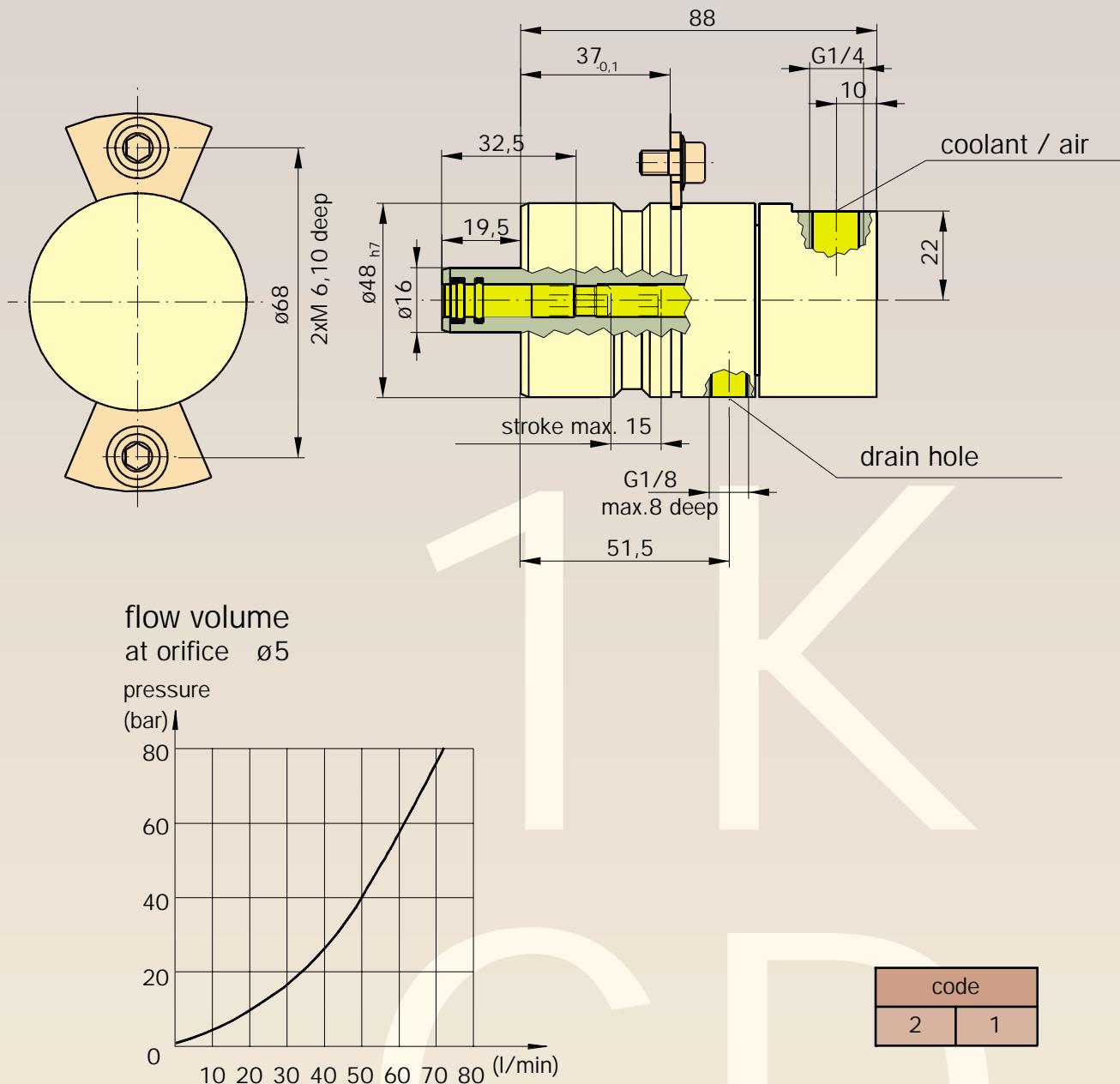


Subject to modification due to technical advance!

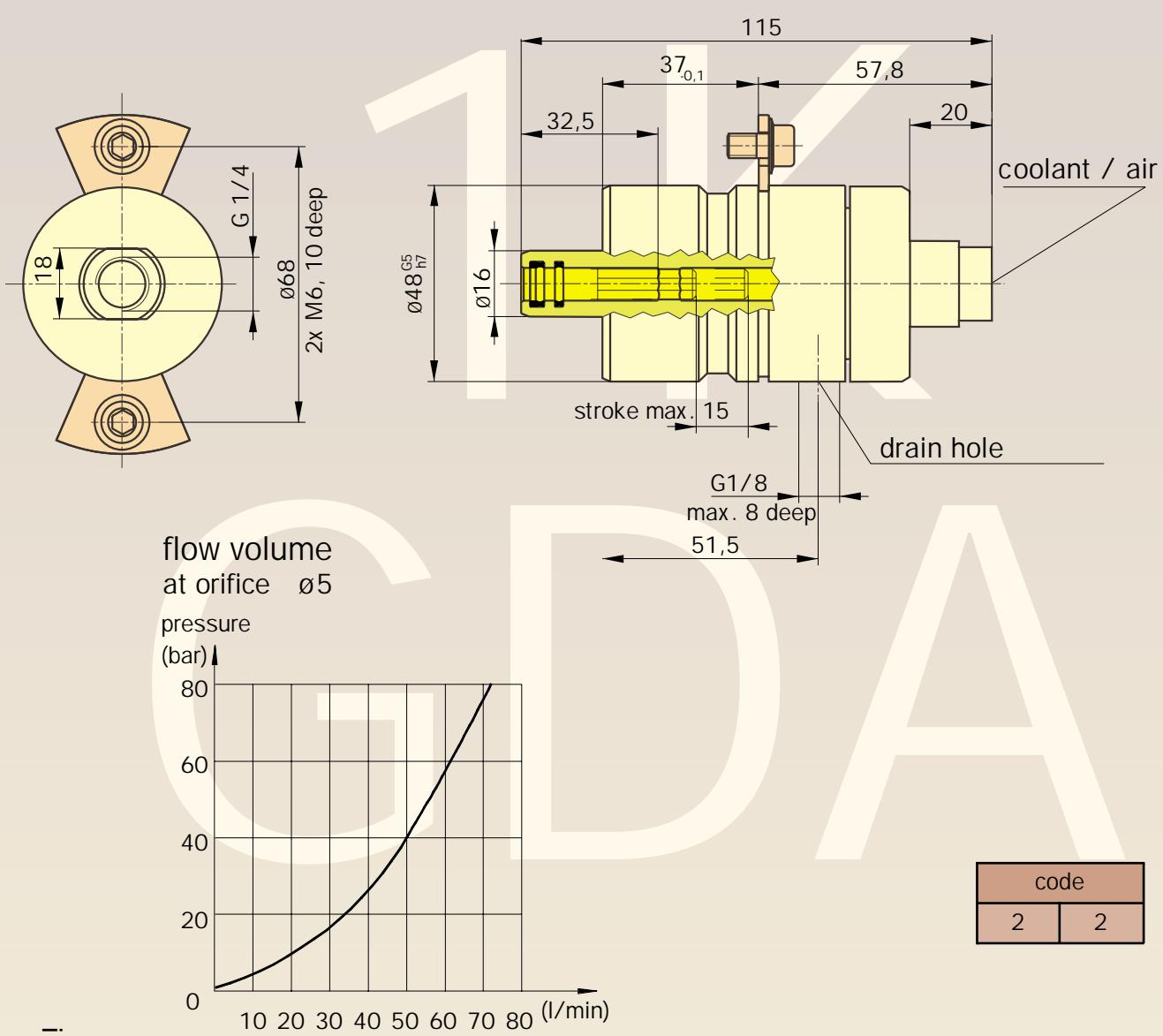




technical data	
spindle speed max. (min^{-1})	36.000
coolant pressure max. [bar]	80
cleaning air max.; $n=0 \text{ min}^{-1}$ [bar]	10
pressure air max.; $n < 10000 \text{ min}^{-1}$ [bar]	5
required media purity according to ISO 4406 filter grade [μm]	-/16/13 <50

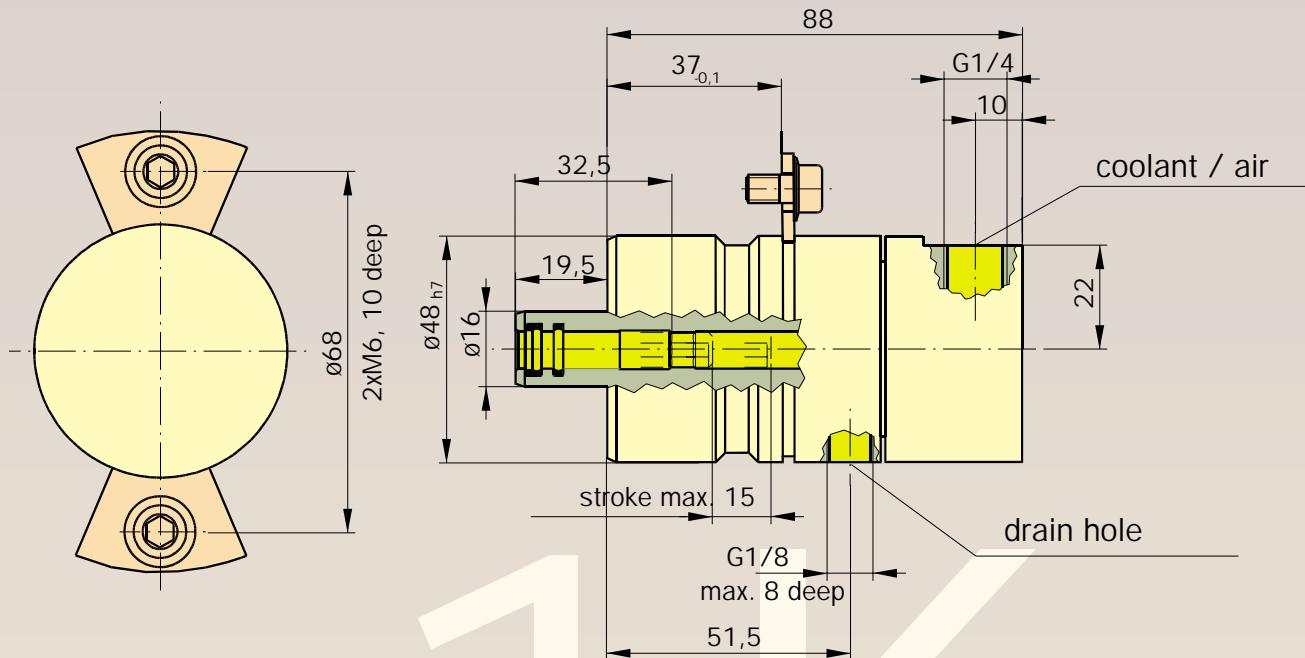
features	
<ul style="list-style-type: none"> hybrid bearing closed sealing surface balanced design coolant minimum volume lubrication (mixed externally) $p_{\max} = 5 \text{ bar}$ dry operation 	

Subject to modification due to technical advance!



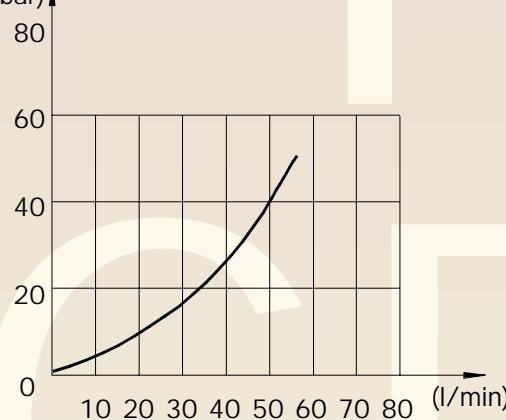
technical data	
spindle speed max. (min^{-1})	36.000
coolant pressure max. [bar]	80
cleaning air max.; $n=0 \text{ min}^{-1}$ [bar]	10
pressure air max.; $n < 10000 \text{ min}^{-1}$ [bar]	5
required media purity according to ISO 4406 filter grade [μm]	-/16/13 <50

features
<ul style="list-style-type: none"> • hybrid bearing • closed sealing surface • balanced design • coolant • minimum volume lubrication (mixed externally) $p_{\max} = 5 \text{ bar}$ • dry operation



flow volume
at orifice $\varnothing 5$

pressure
(bar)



code

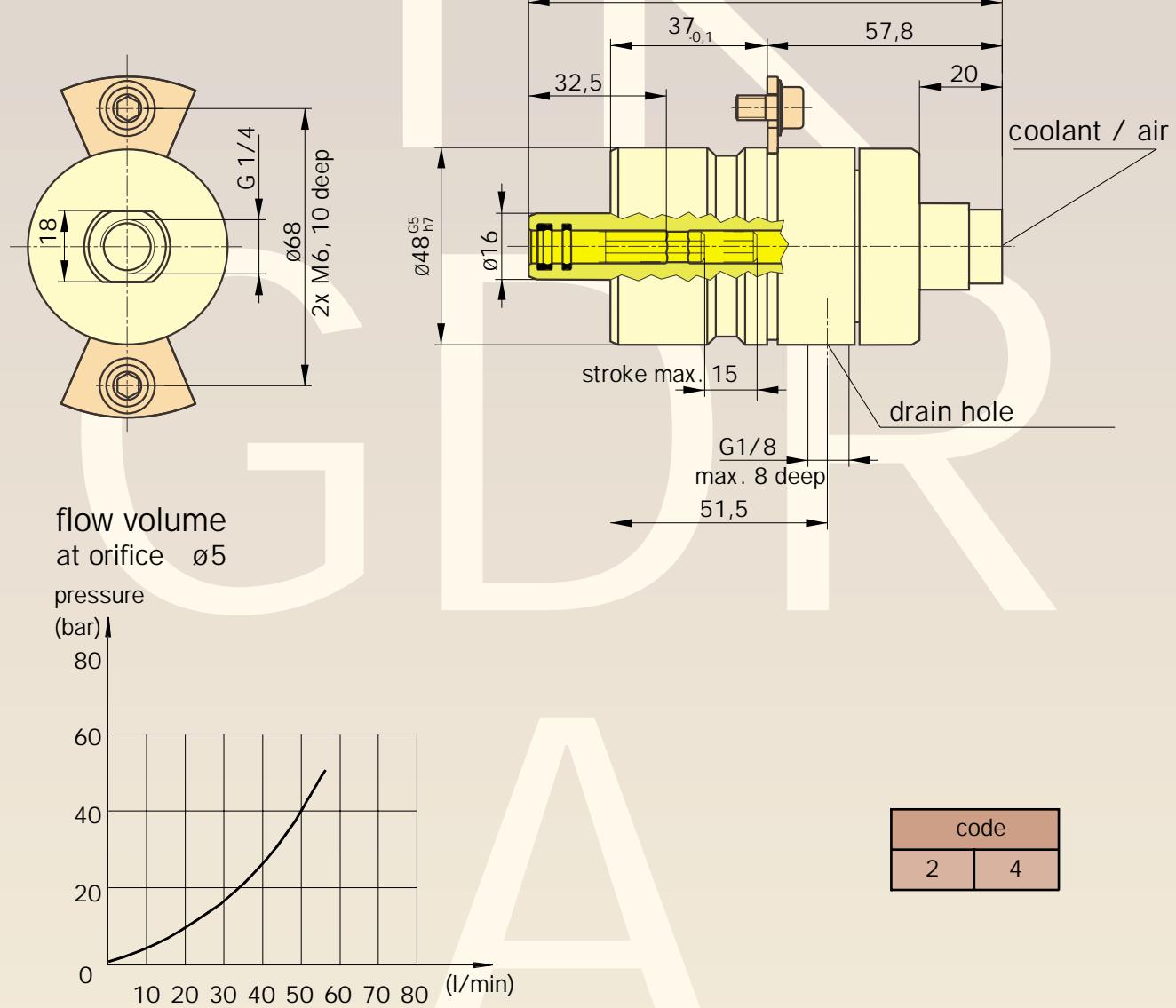
2

3

technical data	
spindle speed max. (min^{-1})	16.000
coolant pressure max. [bar]	50
cleaning air max.; $n=0 \text{ min}^{-1}$ [bar]	10
pressure air max.; $n < 10000 \text{ min}^{-1}$ [bar]	5
required media purity according to ISO 4406 filter grade [μm]	-/16/13 <50

features

- closed sealing surface
- coolant
- minimum volume lubrication (mixed externally) $p_{\max} = 5 \text{ bar}$
- dry operation



technical data	
spindle speed max. (min^{-1})	16.000
coolant pressure max. [bar]	50
cleaning air max.; $n=0 \text{ min}^{-1}$ [bar]	10
pressure air max.; $n < 10000 \text{ min}^{-1}$ [bar]	5
required media purity according to ISO 4406 filter grade [μm]	-/16/13 <50

features	
<ul style="list-style-type: none"> closed sealing surface coolant minimum volume lubrication (mixed externally) $p_{\max} = 5 \text{ bar}$ dry operation 	