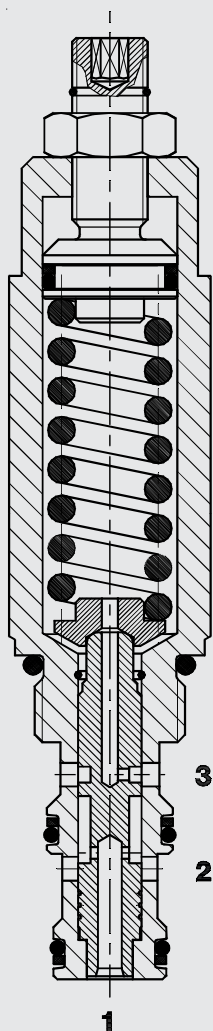


## FUNCTION



The DR08 is a direct acting pressure reducing valve with the spring chamber internally drained. If pressure at 1 exceeds the pressure setting then pressure at 2 is metered off to maintain the regulated setting. 3 is vented to tank. Any pressure at port 3 is additive to the spring setting.

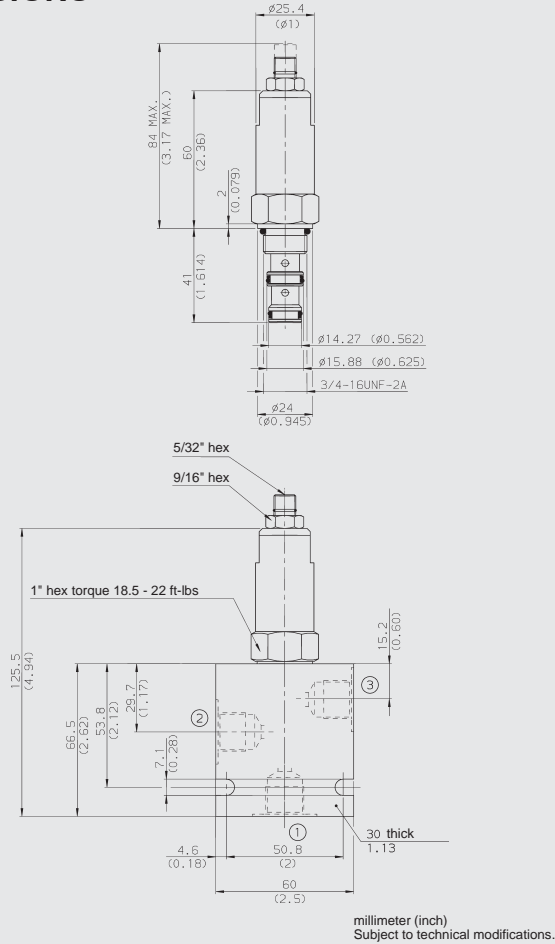
## FEATURES

- All surfaces zinc-plated and corrosion-proof
- Stroke-arresting device
- Adjustable across entire pressure range
- Hydrodynamic damping function
- Optional spring ranges to 152 bar
- Hardened spool for longer life
- Quick response
- Compact design
- All valve parts made of high-strength steel with hardened and ground components to ensure minimal wear and to extend service life

## SPECIFICATIONS

Operating pressure:	420 bar
Nominal flow:	15 l/min
Operating pressure ranges:	up to 34.5 bar up to 83.0 bar up to 152.0 bar
Media operating temp. range:	- 20 °C to + 120 °C
Fluids:	Mineral-based or synthetics with lubricating properties
Viscosity:	7.4 to 420 cSt
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
Installation:	No orientation restrictions
Material:	Valve body: carbon steel Spool: carbon steel Seals: NBR (Standard) FKM (Option)
Cavity:	FC08-3
Weight:	235 g

## DIMENSIONS



## MODEL CODE

**DR08-01 - C - N - 220 V 180**

**Basic Cartridge**

**Body and Ports\***

C = Cartridge only  
 SB3 = 3/8 BSP ports, steel body  
 SS6 = SAE-6 ports, steel body  
 AB3 = 3/8 BSP ports, aluminium body  
 AS6 = SAE-6 ports, aluminium body

**Seals**

N = NBR  
 V = FKM

**Spring Range**

050 = up to 34.5 bar  
 120 = up to 83.0 bar  
 220 = up to 152.0 bar

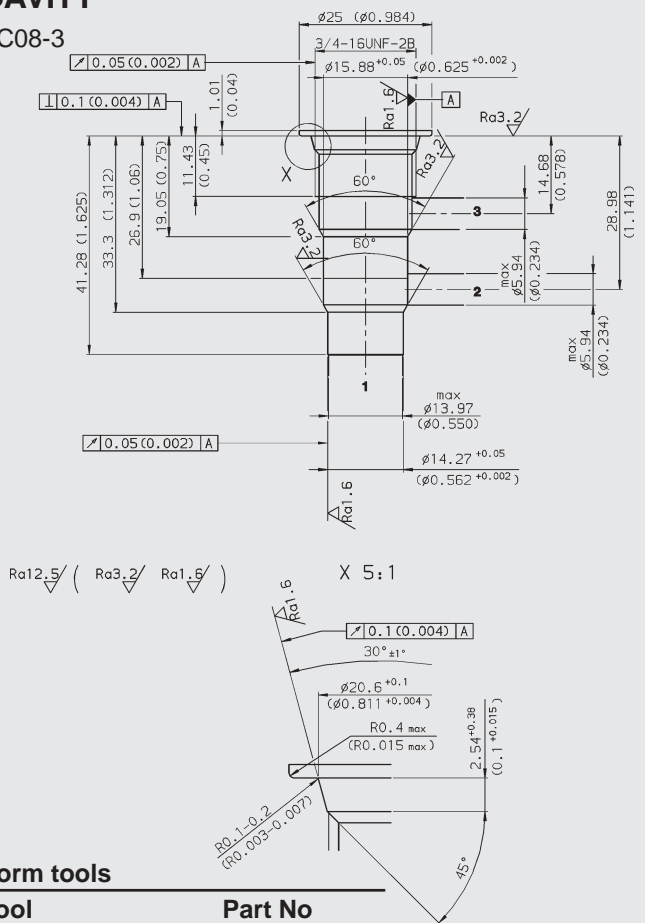
**Adjustment Option**

V = Allen head (Hex 5/32")  
 H = Knob adjustment  
 F = Factory preset, non-adjustable, in preparation

**Setting**

## CAVITY

FC08-3



**Form tools**

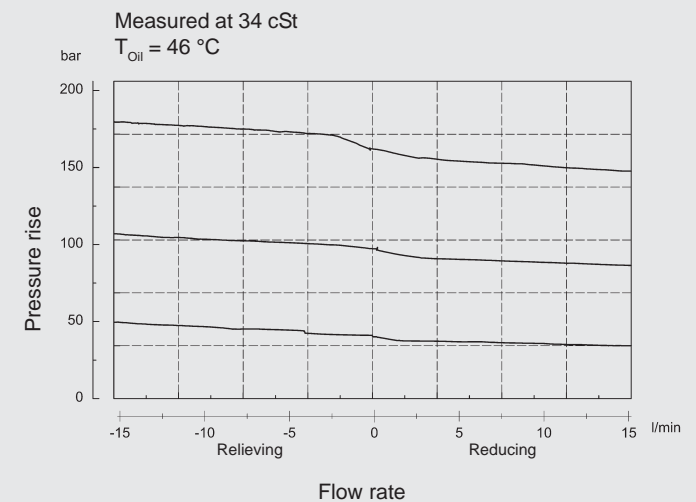
Tool	Part No
Rougher FC08-3	in preparation
Finisher FC08-3	in preparation

millimeter (inch)  
 Subject to technical modifications.

## \* Standard Line Bodies

Code	Part No	Material	Ports	Pressures
FH083-SB3	560922	Steel, zinc-plated	3/8 BSP	420 bar
FH083-SS6	560920	Steel, zinc plated	SAE-6	420 bar
FH083-AB3	3011427	Aluminium, clear anodized	3/8 BSP	245 bar
FH083-AS6	3011424	Aluminium, clear anodized	SAE-6	245 bar

## PERFORMANCE (Cartridge Only)



## NOTE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

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