

Outlet Elements with additional inlet port P1 and tank port T1

TC-03-__-

RE 18301-63

Edition: 02.2016

Replaces: 07.2012



Description

The outlet elements TC-03-__ are employed to connect the P and T channels of the ED elements of the Directional Valve Assembly, and to provide additional inlet port P1 and tank port T1, both with size either G 3/8 or G 1/2.

The outlet elements TC-03-__ are available in two versions:

- Body made of Black Anodized Aluminium (Al).
- Body made of Yellow Zinc plated (Cr+3) Cast Iron (CI).

Technical data

General		
Weight	kg (lbs)	0.25 (0.56)
TC-03-02-..-AL element		
Weight	kg (lbs)	0.25 (0.56)
TC-03-03-..-AL element		
Weight	kg (lbs)	0.65 (1.43)
TC-03-02-..-CI element		
Weight	kg (lbs)	0.65 (1.43)
TC-03-03-..-CI element		
Ambient Temperature	°C (°F)	-20....+50 (-4....+122) (NBR seals)
Hydraulic		
Maximum flow in P and T	l/min (gpm)	50 (13.2)
Maximum pressure for aluminium version (AL)	bar (psi)	250 (3625)
Maximum pressure for Cast Iron version (CI)	bar (psi)	310 (4500)
Hydraulic fluid		Mineral oil based hydraulic fluids HL (DIN 51524 part 1).
General properties: it must have physical lubricating and chemical properties suitable for use in hydraulic systems such as, for example:		Mineral oil based hydraulic fluids HLP (DIN 51524 part 2). For use of environmentally acceptable fluids (vegetable or polyglycol base) please consult us.
Fluid Temperature	°C (°F)	-20....+80 (-4....+176) (NBR)
Permissible degree of fluid contamination		ISO 4572: $\beta_x \geq 75$ X=12...15 ISO 4406: class 20/18/15 NAS 1638: class 9
Viscosity range	mm ² /s	5....420

Note

For applications with different specifications consult us

Ordering details

01	02	03	04
TC	-	03	-

Family

01	Outlet Elements	TC
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Configuration

02	with additional inlet port P1 and tank port T1	03
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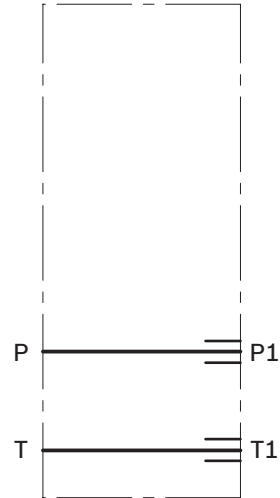
Ports

03	G 3/8 DIN 3852	02
	G 1/2 DIN 3852	03
	3/4-16 UNF 2-B (SAE8)	56

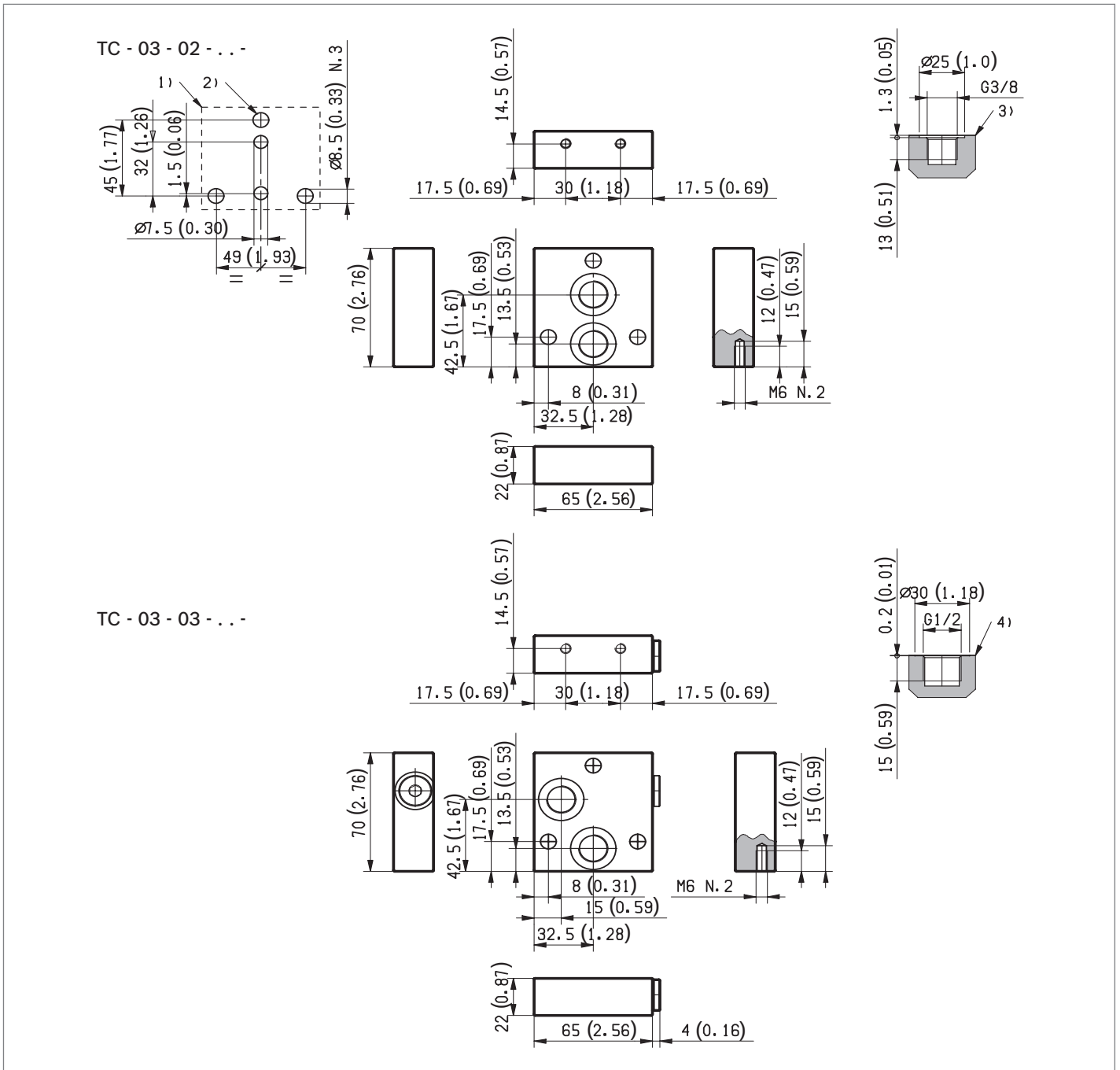
Material

04	Aluminium	AL
	Cast Iron	CI

Symbol



External dimensions and fittings



- 1 Flange specifications for coupling to the ED Directional Valve Elements.
- 2 For tie rod and tightening torque information see data sheet RE 18301-90.

- 3 Hydraulic Ports P1 and T1 size G 3/8, for TC-03-02-...
- 4 Hydraulic Ports P1 and T1 size G 1/2, for TC-03-03-...

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Subject to change.