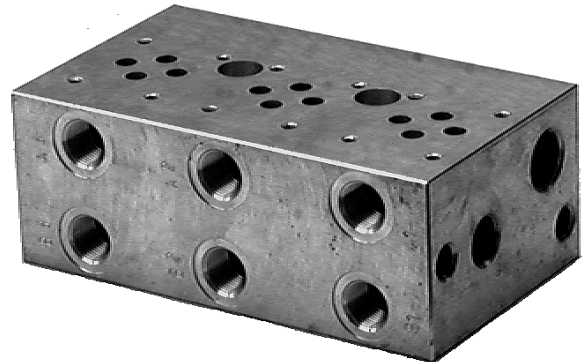


- For in-line mounting of hydraulic valves
- Parallel connection of ports P and T
- 1 ... 10 sections possible
- Installation dimensions to ISO 4401-03-02-0-94 and DIN 24 340-A6
- Mounting Accessories



Ordering Code

PD06 -AL

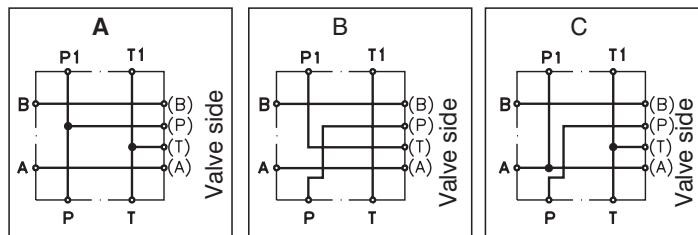
In-line connecting platte

Nominal size

Material - aluminium

Connection

Functional symbols



	Number of section
1	1 section
2	2 sections
3	3 sections
4	4 sections
5	5 sections
6	6 sections

Survey of Types

Type	Ordering number	Weight
PD06A1-AL	760-0031	1.572 lbs (0.713 kg)
PD06B1-AL	760-0037	1.574 lbs (0.714 kg)
PD06C1-AL	760-0038	1.568 lbs (0.711 kg)
PD06A2-AL	760-0032	3.109 lbs (1.410 kg)
PD06A3-AL	760-0033	4.652 lbs (2.110 kg)
PD06A4-AL	760-0034	6.217 lbs (2.820 kg)
PD06A5-AL	760-0035	7.771 lbs (3.525 kg)
PD06A6-AL	760-0036	9.326 lbs (4.230 kg)

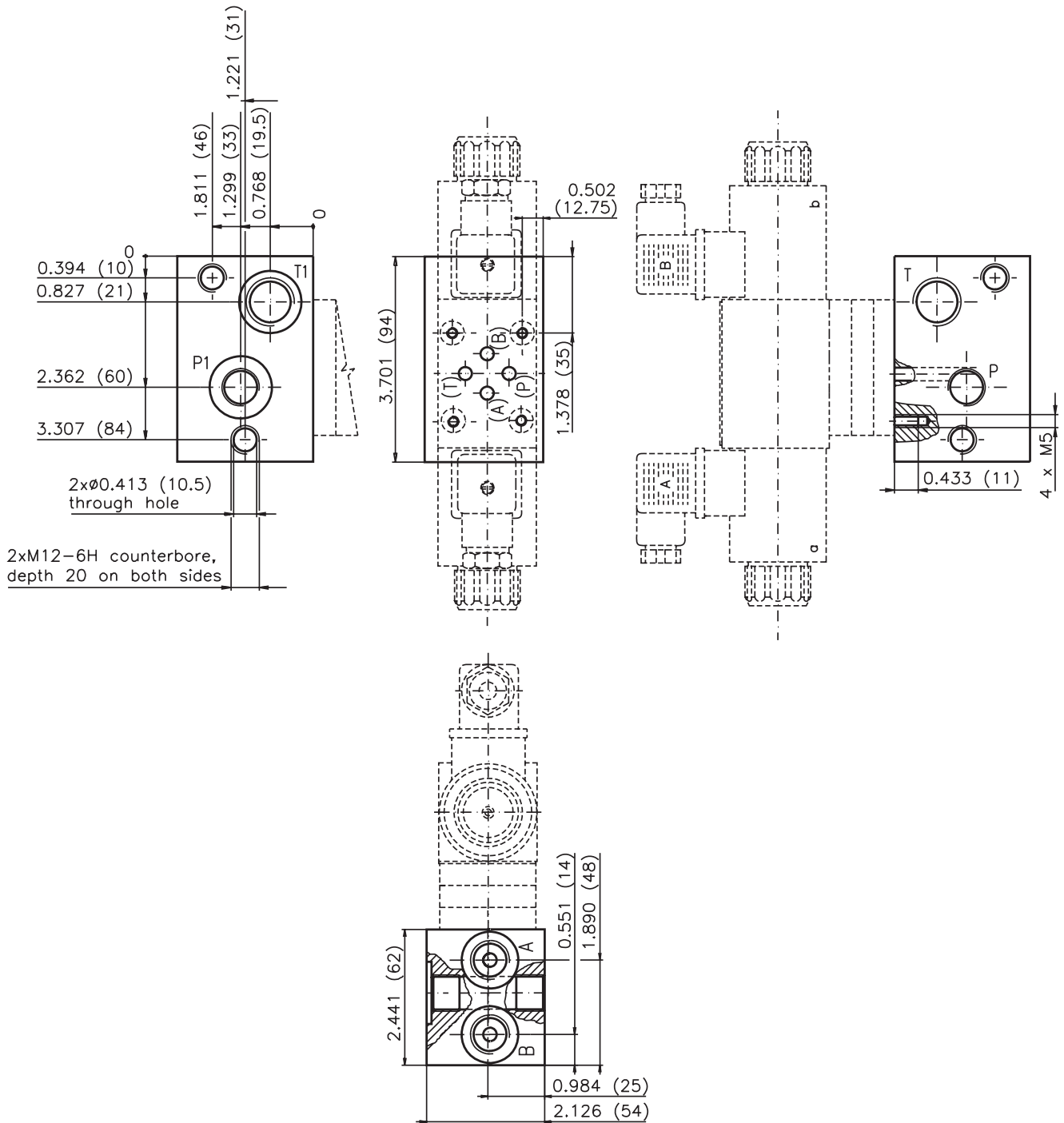
FOR PREFERRED TYPES SEE BOLD TYPING IN ORDERING CODE AND TABLE OF SURVEY OF TYPES

Valve Dimensions

Dimensions in inches and millimeters (in brackets)

Plates with 1 section

Plates with 1, 2, 3 and 4 sections enable combinations up to 10 sections



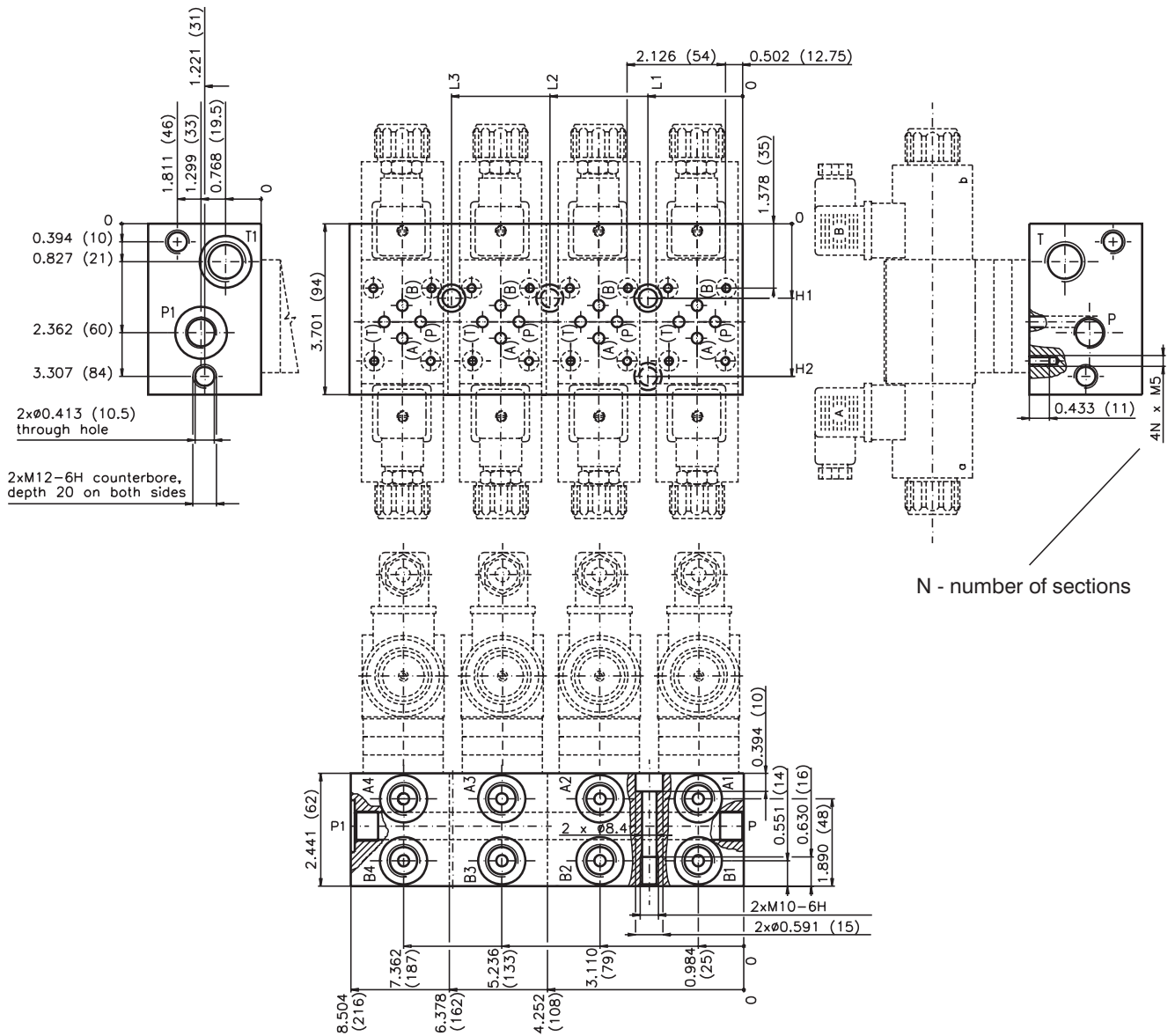
Port	A, B	P	T	P1	T1
Thread	G3/8	G3/8	G1/2	G3/8	G1/2
Depth of thread	0.512 (13)	0.512 (13)	0.670 (17)	0.512 (13)	0.670 (17)
Counterbore	Ø0.945 (24)	-	-	Ø1.118-0.008 (28.4-0.2)	Ø1.118-0.008 (28.4-0.2)
Depth of counterbore	0.020 (0.5)	-	-	0.083-0.004 (2.1-0.1)	0.083-0.004 (2.1-0.1)
O-Ring [mm]	-	-	-	23.4 x 2.62	23.4 x 2.62

Valve Dimensions

Dimensions in inches and millimeters (in brackets)

Plates with 2 ... 4 sections

Plates with 1, 2, 3 and 4 sections enable combinations up to 10 sections



Number of sections	L1	L2	L3	H1	H2
2	2.047 (52)	-	-	1.614 (41)	3.307 (84)
3	2.047 (52)	4.173 (106)	-	1.614 (41)	-
4	2.047 (52)	-	6.300 (160)	1.614 (41)	-

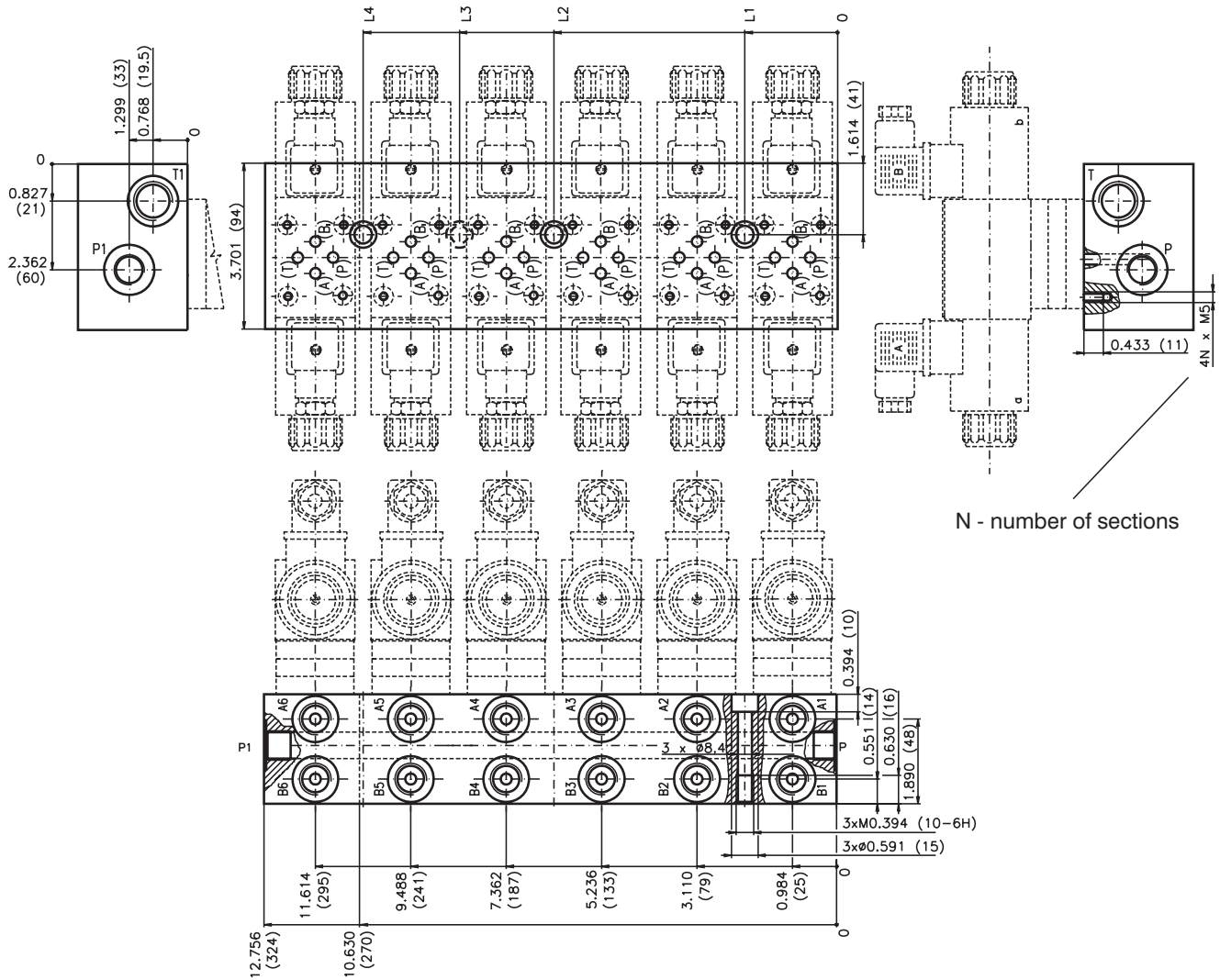
Port	A1...A4, B1...B4	P	P1	T	T1
Thread	G3/8	G3/8	G3/8	G1/2	G1/2
Depth of thread	0.512 (13)	0.512 (13)	0.512 (13)	0.670 (17)	0.670 (17)
Counterbore	Ø0.945 (24)	-	Ø1.118-0.008 (28.4-0.2)	-	Ø1.118-0.008 (28.4-0.2)
Depth of counterbore	0.020 (0.5)	-	0.083-0.004 (2.1-0.1)	-	0.083-0.004 (2.1-0.1)
O-Ring [mm]	-	-	23.4 x 2.62	-	23.4 x 2.62

Valve Dimensions

Dimensions in inches and millimeters (in brackets)

Plates with 5 ... 6 sections

Plates with 5 and 6 do not enable any other combinations



N - number of sections

Number of sections	L1	L2	L3	L4
5	2.047 (52)	6.300 (160)	8.425 (214)	-
6	2.047 (52)	6.300 (160)	-	10.551 (268)

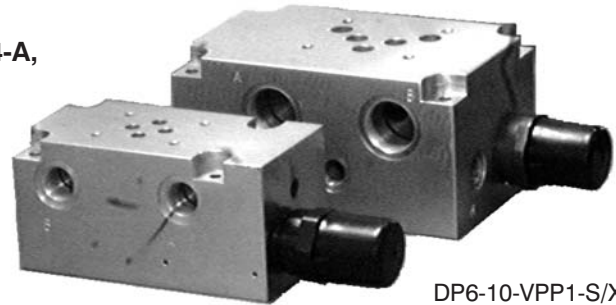
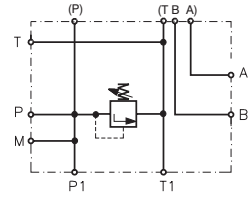
Port	A1...A6, B1...B6	P, P1	T, T1
Thread	G3/8	G3/8	G1/2
Depth of thread	0.512 (13)	0.512 (13)	0.670 (17)
Counterbore	∅0.945 (24)	∅1.108 (28)	∅1.108 (28)
Depth of counterbore	0.020 (0.5)	0.020 (0.5)	0.020 (0.5)

Caution

- The packing foil is recyclable.
- O-Ring supplied with delivery.
- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

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Tel.: +420-499-403111, Fax: +420-499-403421
E-mail: sales.cz@argo-hytos.com
www.argo-hytos.com

- Basic manifold for hydraulic systems**
- 6 pressure ranges**
- Installation dimensions to ISO 4401-AB-03-4-A,
ISO 4401-AC-05-4-A, DIN 24 340-A6
and DIN 24 340-A10**



DP6-06-VPP1-S/XX

DP6-10-VPP1-S/XX

Functional Description

Basic manifolds DP6 are used for hydraulic systems which require only one directional valve assembly. With regard to its versatile connection possibilities, it is suitable either for horizontal mounting of the pump drive unit on the tank cover, or for vertical arrangement with the pump situated in the tank under the oil level.

The steel manifold can be supplied in two sizes. A direct operated pressure relief valve is available in six pressure ranges.

The basic surface treatment of the block is zinc coating.

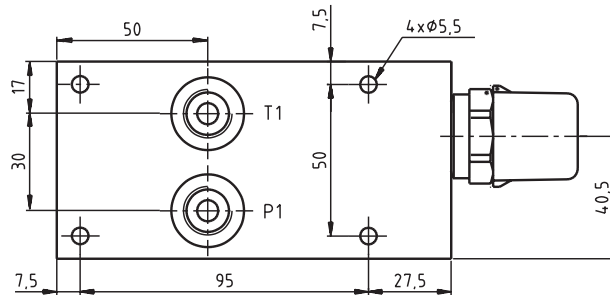
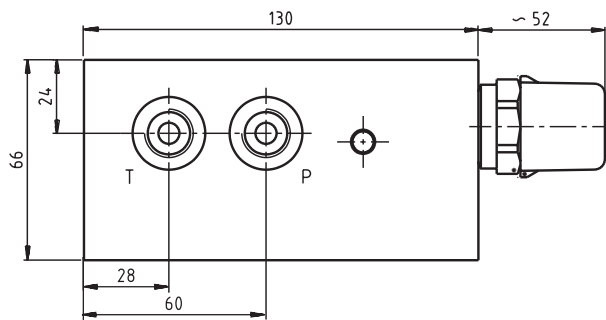
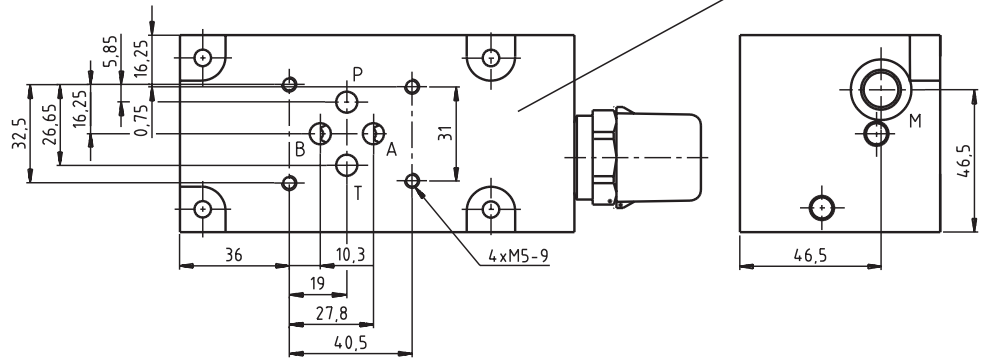
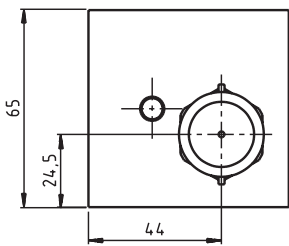
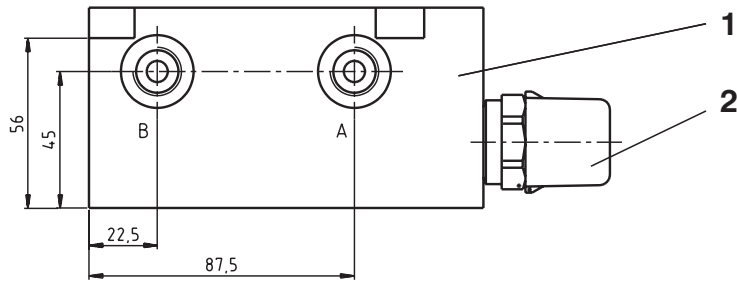
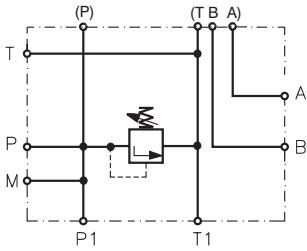
Ordering Code

DP6 - <input type="text"/> - <input type="text"/> - <input type="text"/> / <input type="text"/>	
<p>Basic block</p> <hr/> <p>Nominal size 06 mm 06 10 mm 10</p> <hr/> <p>Pressure relief valve VPP1 - 06, 10 VPP1 VPP2 - 06 VPP2</p> <hr/>	<p style="text-align: center;">2.5 6.3 10 16 25 32</p> <hr/> <p style="text-align: center;">S R</p> <hr/>
	<p style="text-align: right;">Druckstufe up to 25 bar up to 63 bar up to 100 bar up to 160 bar up to 250 bar up to 320 bar</p> <hr/> <p style="text-align: right;">Adjustment element Screw with inside HEX 5 Hand knob</p> <hr/>

Valve Dimensions

Dimensions and millimeters

DP6-06-VPP1-S/XX



- 1 Basic block
- 2 Pressure relief valve
- 3 4 mounting holes

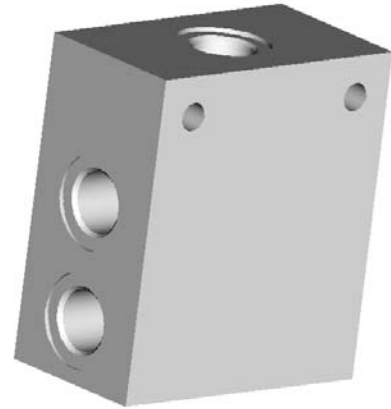
Port	A	B	P	T	P1	T1	M
Thread	G3/8	G3/8	G3/8	G3/8	G3/8	G3/8	G1/4
Counterbore	Ø24	Ø24)	Ø24	Ø24	Ø28	Ø28	Ø20
Depth of counterbore	1	1	1	1	5.5	5.5	1

Caution!

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Tel.: +420-499-403111, Fax: +420-499-403421
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www.argo-hytos.com

- Pipeline housing for cartridge valves
- Installation dimensions to ISO 4401 and SAE
- Materials available are aluminum and steel



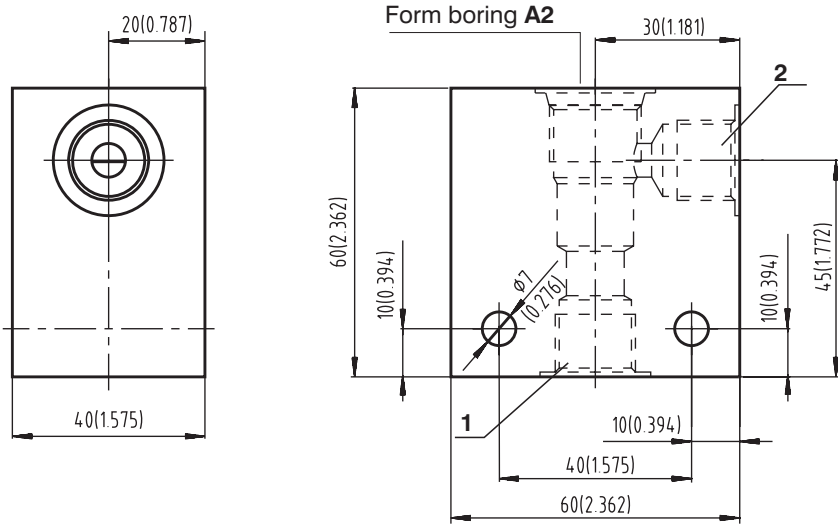
Ordering Code

	SB- 	-		-		-																																				
<p>Screw in Cartridge, Body</p>																																										
<p>Form boring 3/4-16 UNF-2B 7/8-14 UNF-2B</p>	A B																																									
<p>Number of ways</p>	2 3 4																																									
<p>Body configuration</p>								01																																		
		<p>Body material Aluminium Steel, Surface treatment Zn</p>			<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">AL</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">ST</td> </tr> </table>						AL		ST																													
	AL		ST																																							
		<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">01</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">G1/4</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">*</td> </tr> <tr> <td></td> <td style="text-align: center;">02</td> <td></td> <td style="text-align: center;">SAE 6</td> <td></td> <td style="text-align: center;">*</td> </tr> <tr> <td></td> <td style="text-align: center;">03</td> <td></td> <td style="text-align: center;">G3/8</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">04</td> <td></td> <td style="text-align: center;">SAE 8</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">05</td> <td></td> <td style="text-align: center;">G1/2</td> <td></td> <td style="text-align: center;">**</td> </tr> <tr> <td></td> <td style="text-align: center;">06</td> <td></td> <td style="text-align: center;">SAE 10</td> <td></td> <td style="text-align: center;">**</td> </tr> </table>				01		G1/4		*		02		SAE 6		*		03		G3/8				04		SAE 8				05		G1/2		**		06		SAE 10		**	<p>* only for Form boring 3/4-16 UNF-2B **only for Form boring 7/8-14 UNF-2B</p>	
	01		G1/4		*																																					
	02		SAE 6		*																																					
	03		G3/8																																							
	04		SAE 8																																							
	05		G1/2		**																																					
	06		SAE 10		**																																					

Form Boring - 3/4-16 UNF-2B

Dimensions millimeters (inches)

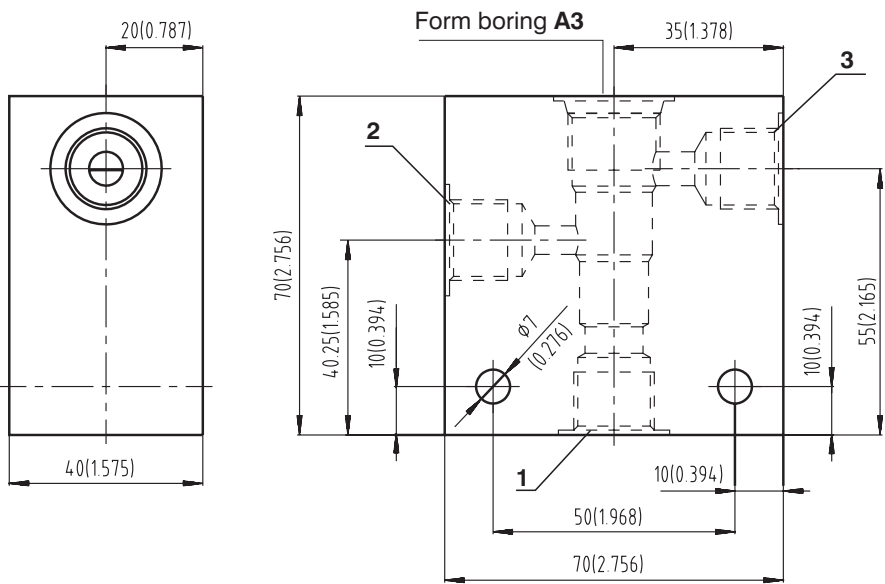
Body for 2 Way SIC Valve



Connections	
1	2
G1/4, G3/8	
SAE 6, SAE 8	

Body material	Pressure	Weight
Aluminium	up to 250 bar (3626 PSI)	0,56 kg (1,23 lbs)
Steel	up to 420 bar (6091 PSI)	1,57 kg (3.46 lbs)

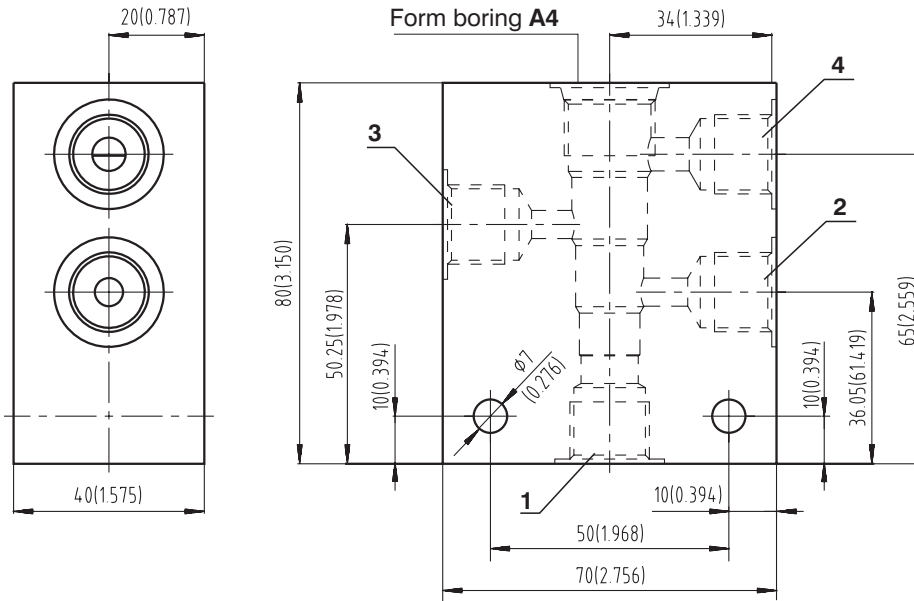
Body for 3 Way SIC Valve



Connections		
1	2	3
G1/4, G3/8		
SAE 6, SAE 8		

Body material	Pressure	Weight
Aluminium	up to 250 bar (3626 PSI)	0,63 kg (1,39 lbs)
Steel	up to 420 bar (6091 PSI)	1,78 kg (3,92 lbs)

Body for 4 Way SIC Valve

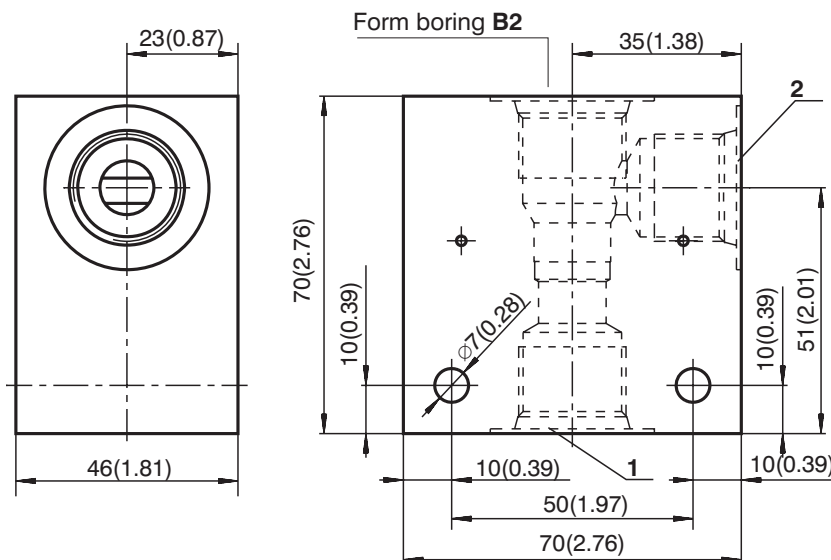


Connections			
1	2	3	4
G1/4, G3/8			
SAE 6, SAE 8			

Body material	Pressure	Weight
Aluminium	up to 250 bar (3626 PSI)	0,76 kg (1,68 lbs)
Steel	up to 420 bar (6091 PSI)	0,53 kg (4,72 lbs)

Form Boring - 7/8-14 UNF-2B

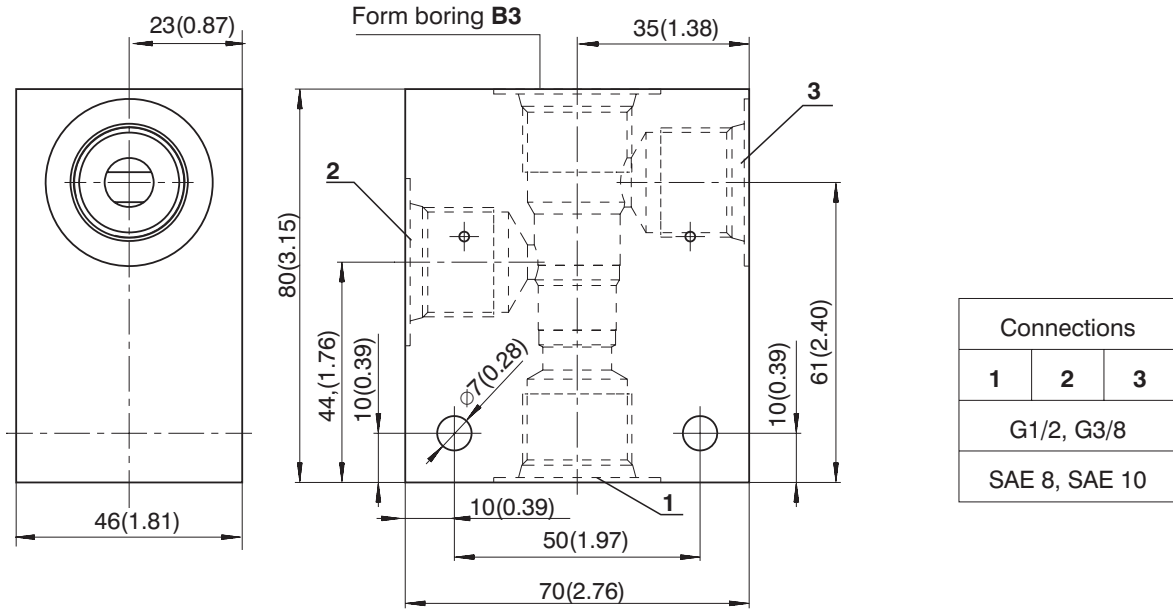
Body for 2 Way SIC Valve



Connections	
1	2
G1/2, G3/8	
SAE 8, SAE 10	

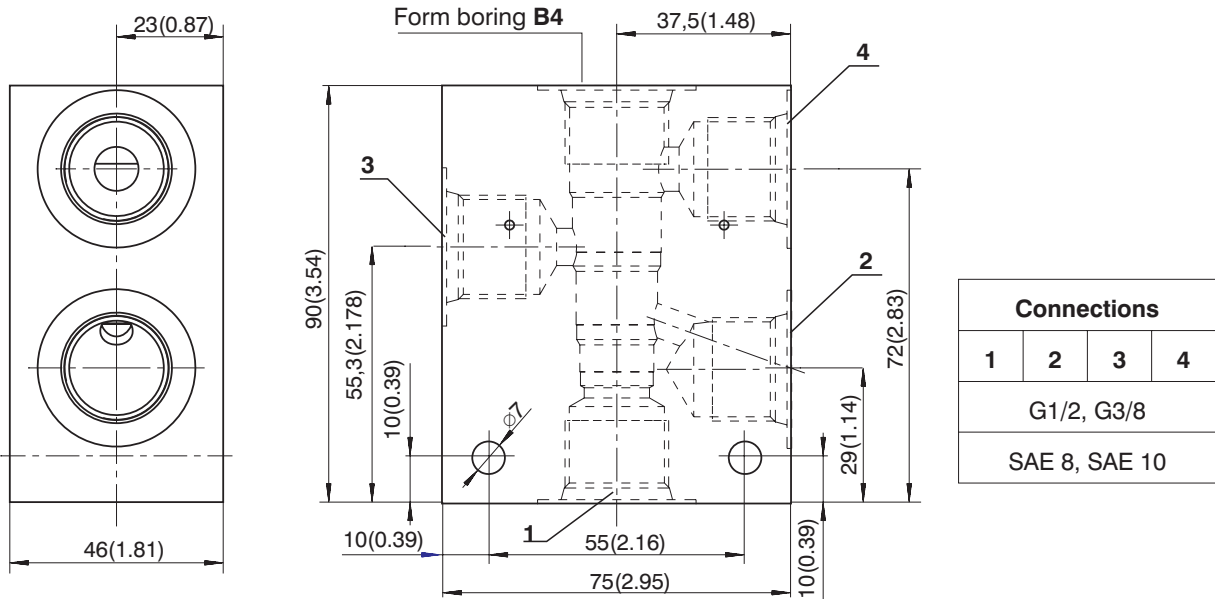
Body material	Pressure	Weight
Aluminium	up to 250 bar (3626 PSI)	0,54 kg (1,19 lbs)
Steel	up to 420 bar (6091 PSI)	1,50 kg (3.31 lbs)

Body for 3 Way SIC Valve



Body material	Pressure	Weight
Aluminium	up to 250 bar (3626 PSI)	0,60 kg (1,32 lbs)
Steel	up to 420 bar (6091 PSI)	1,68 kg (3,70 lbs)

Body for 4 Way SIC Valve



Body material	Pressure	Weight
Aluminium	up to 250 bar (3626 PSI)	0,71kg (1.57 lbs)
Steel	up to 420 bar (6091 PSI)	1,99 kg (4.39 lbs)

Caution!

- Recommended fixing bolts M6 x 55 DIN 912-10.9, bolt tightening torque 14+2 Nm (10.33+1.48 lbf.ft)
- The packing foil is recyclable.
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 www.argo-hytos.com

- Tools for cavity
- Tool material HSS-E
- Clamping: cylindrical shaft with Weldon-clamping flat

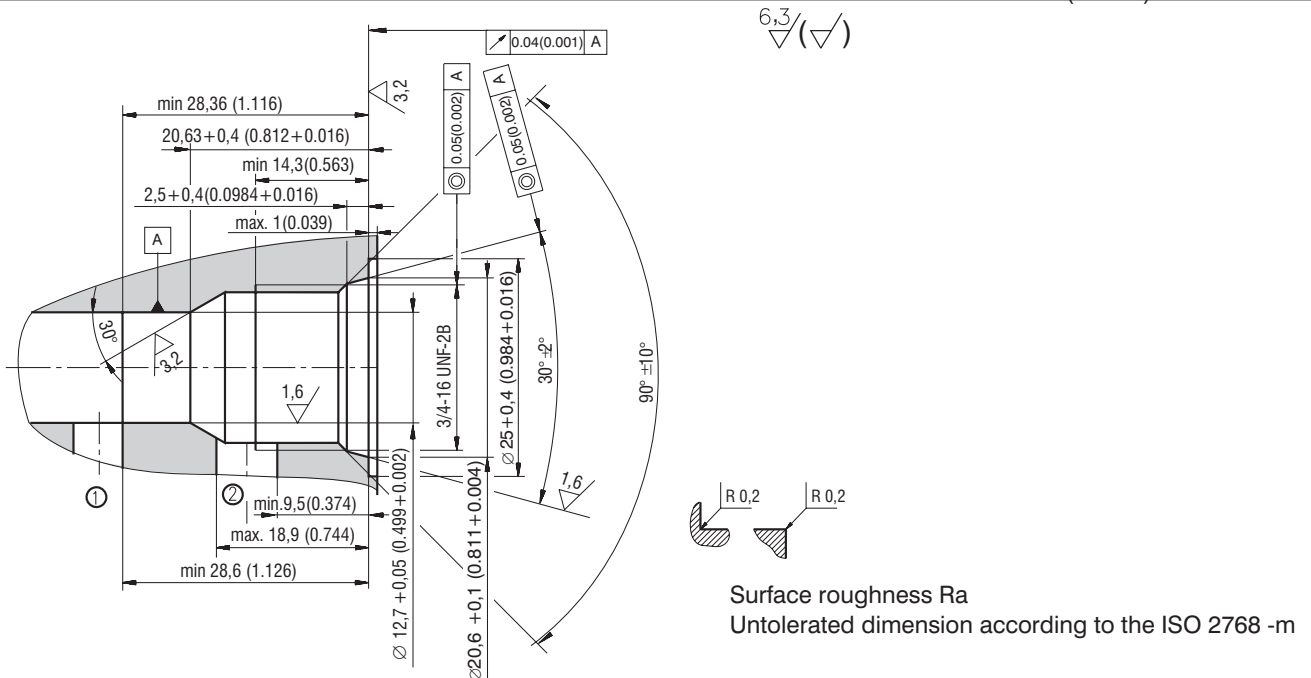


Ordering code

S	MT	-	-	-	-
Cartridge Valves					
Form tooling					
Cavity: 3/4-16 UNF-2B 7/8-14 UNF-2B	A B			2 3 4	Kind of tool Drill Forming drill Forming reamer Screw tap Number of ways 2-Way 3-Way 4-Way

2 Way Cavity 3/4-16 UNF- 2B

Dimensions in mm (inches)

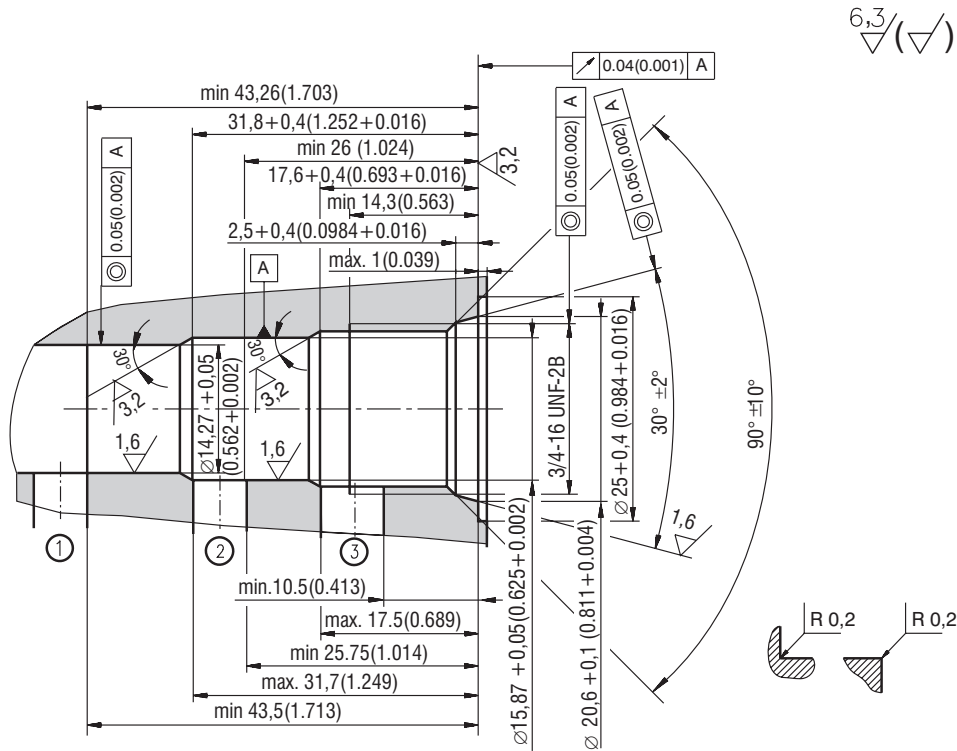


Cutting Conditions for HSSE Tools

Cavity tools: 3/4-16 UNF-2B with 2 ways		Drill	Forming drill	Forming reamer	Screw tap
Revolutions In 1/min	Aluminium	1660	500	300	150
	Steel	700	200	150	80
Feeding In mm (inch)	Aluminium	250 (9.842)	120 (4.724)	100 (3.937)	-
	Steel	100 (3.937)	50 (1.968)	50 (1.968)	-
Type code		SMT-A2-B	SMT-A2-D	SMT-A2-R	SMT-A2,A3,A4-T
Order number		25974500	15604400	1564500	15605000

3 Way Cavity 3/4-16 UNF-2B

Dimensions in mm (inches)



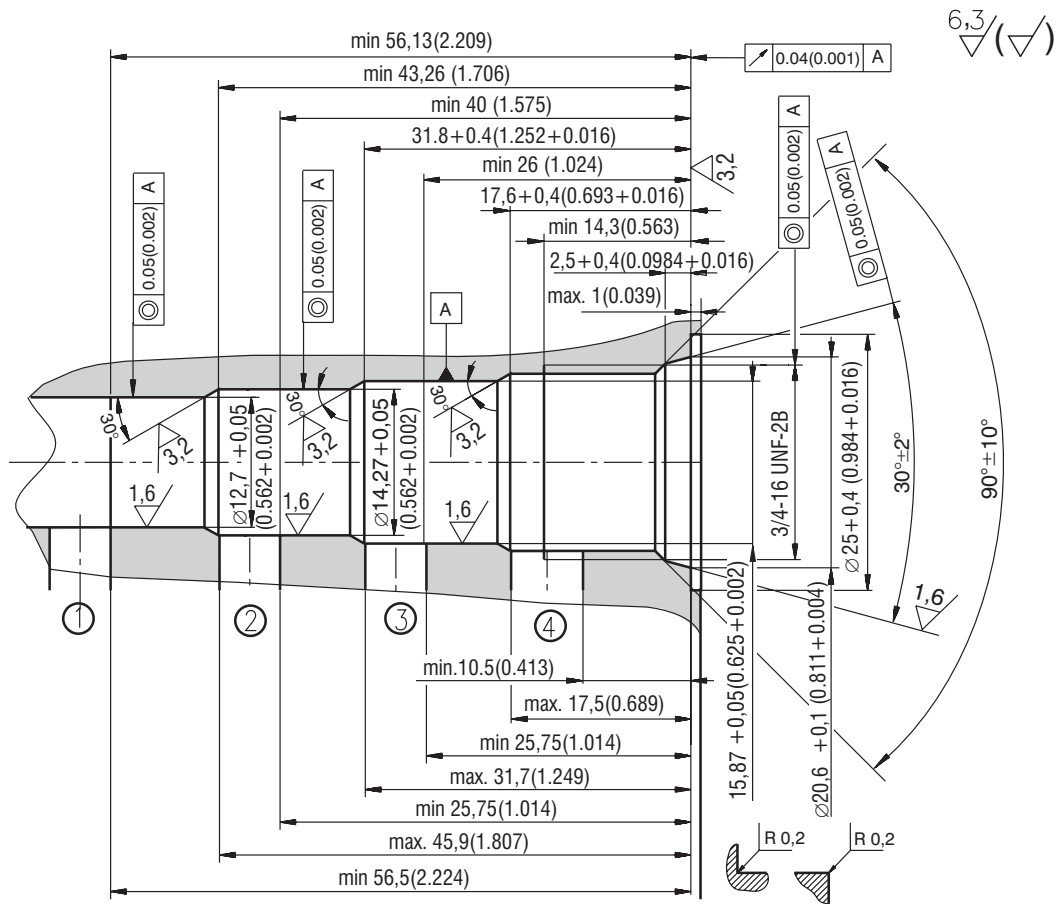
Surface roughness Ra
 Untolerated dimension according to the ISO 2768 -m

Cutting Conditions for HSSE Tools

Cavity tools: 3/4-16 UNF-2B with 3 ways		Drill	Forming drill	Forming reamer	Screw tap
Revolutions in 1/min	Aluminium	1660	480	300	150
	Steel	700	200	170	80
Feeding in mm (inch)	Aluminium	250 (9.842)	110 (4.331)	100 (3.937)	-
	Steel	100 (3.937)	50 (1.968)	50 (1.968)	-
Type code		SMT-A3-B	SMT-A3-D	SMT-A3-R	SMT-A2,A3,A4-T
Order number		25974600	15604600	1564700	15605000

4 Way Cavity 3/4-16 UNF-2B

Dimensions in mm (inches)

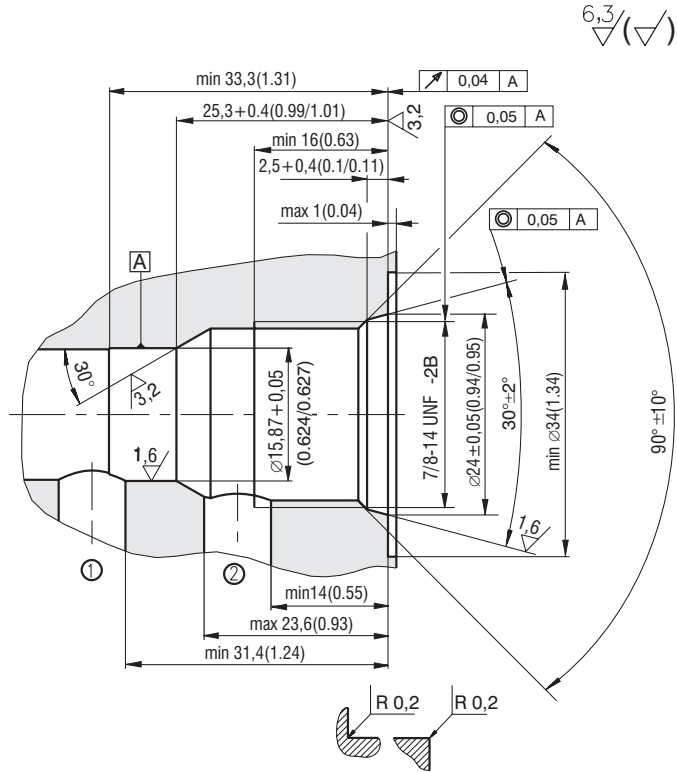


Surface roughness Ra
 Untolerated dimension according to the ISO 2768 -m

Cutting Conditions for HSSE Tools

Cavity tools: 3/4-16 UNF-2B with 4 ways		Drill	Forming drill	Forming reamer	Screw tap
Revolutions in 1/min	Aluminium	1660	480	300	150
	Steel	700	200	170	80
Feeding In mm (inch)	Aluminium	250 (9.842)	110 (4.331)	100 (3.937)	-
	Steel	100 (3.937)	50 (1.968)	50 (1.968)	-
Type code		SMT-A4-B	SMT-A4-D	SMT-A4-R	SMT-A2,A3,A4-T
Order number		25974700	15604800	1564900	15605000

2 Way Cavity 7/8-14 UNF-2B



Surface roughness Ra
 Untolerated dimension according to the ISO 2768 -m

Cutting Conditions for HSSE Tools

Cavity tools: 7/8-14 UNF-2B with 2 ways		Drill	Forming drill	Forming reamer	Screw tap
Revolutions in 1/min	Aluminium	1300	430	200	150
	Steel	550	170	100	80
Feeding In mm (inch)	Aluminium	200 (7.874)	110 (4.331)	80 (3.150)	-
	Steel	50 (1.968)	40 (1.575)	40 (1.575)	-
Type code		SMT-B2-B	SMT-B2-D	SMT-B2-R	SMT-B2,B3,B4-T
Order number		27787000	27787100	27787400	27788100

Table of stud kits for vertical stacking assemblies in combination with directional control valve RPE3-04

Pressure switch	Pressure reducing valve	Pressure relief valve	Pilot operated check valve	Check valve	Throttle valve	Studs with rolled threads	Maximum working pressure	Ordering number*
Height 35 mm	Height 30 mm	Height 35 mm	Height 30 mm	Height 30 mm	Height 30 mm	$M_u = 5 \text{ Nm}$	p_{\max} bar	
M-TR						M5 x 82	320	760-0070
	VRP2-04					M5 x 77	320	760-0089
		VPP2-04				M5 x 82	320	760-0070
			VJR1-04			M5 x 77	320	760-0089
				VJO1-04/M		M5 x 77	320	760-0089
					VSO1-04/M	M5 x 77	320	760-0089
M-TR	VRP2-04					M5 x 110	320	760-0074
M-TR		VPP2-04				M5 x 115	320	760-0146
M-TR			VJR1-04			M5 x 110	320	760-0074
M-TR				VJO1-04/M		M5 x 110	320	760-0074
M-TR					VSO1-04/M	M5 x 110	320	760-0074
	VRP2-04	VPP2-04				M5 x 110	320	760-0074
	VRP2-04		VJR1-04			M5 x 110	320	760-0074
	VRP2-04			VJO1-04/M		M5 x 110	320	760-0074
	VRP2-04				VSO1-04/M	M5 x 110	320	760-0074
		VPP2-04	VJR1-04			M5 x 110	320	760-0074
		VPP2-04		VJO1-04/M		M5 x 110	320	760-0074
		VPP2-04			VSO1-04/M	M5 x 110	320	760-0074
			VJR1-04	VJO1-04/M		M5 x 110	320	760-0074
			VJR1-04		VSO1-04/M	M5 x 110	320	760-0074
				VJO1-04/M	VSO1-04/M	M5 x 110	320	760-0074
M-TR	VRP2-04	VPP2-04				M5 x 144	320	760-0078
M-TR	VRP2-04		VJR1-04			M5 x 144	320	760-0078
M-TR	VRP2-04			VJO1-04/M		M5 x 144	320	760-0078
M-TR	VRP2-04				VSO1-04/M	M5 x 144	320	760-0078
M-TR		VPP2-04	VJR1-04			M5 x 144	320	760-0078
M-TR		VPP2-04		VJO1-04/M		M5 x 144	320	760-0078
M-TR		VPP2-04			VSO1-04/M	M5 x 144	320	760-0078
M-TR			VJR1-04	VJO1-04/M		M5 x 144	320	760-0078
M-TR			VJR1-04		VSO1-04/M	M5 x 144	320	760-0078
M-TR				VJO1-04/M	VSO1-04/M	M5 x 144	320	760-0078
	VRP2-04	VPP2-04	VJR1-04			M5 x 144	320	760-0078
	VRP2-04	VPP2-04		VJO1-04/M		M5 x 144	320	760-0078
	VRP2-04	VPP2-04			VSO1-04/M	M5 x 144	320	760-0078
	VRP2-04		VJR1-04	VJO1-04/M		M5 x 136	320	760-0077
	VRP2-04		VJR1-04		VSO1-04/M	M5 x 136	320	760-0077
	VRP2-04			VJO1-04/M	VSO1-04/M	M5 x 136	320	760-0077

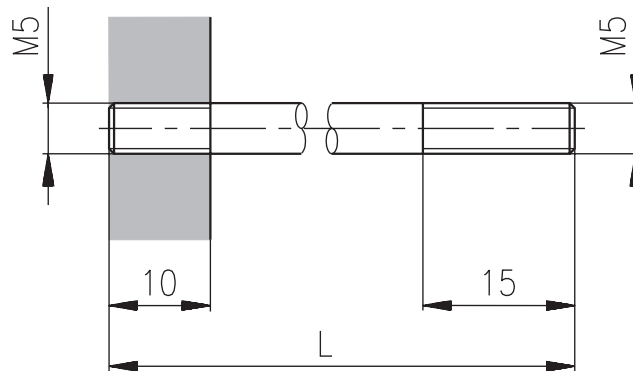
Table of stud kits for vertical stacking assemblies in combination with directional control valve RPE3-04

Pressure switch	Pressure reducing valve	Pressure relief valve	Pilot operated check valve	Check valve	Throttle valve	Studs with rolled threads	Maximum working pressure	Ordering number*
Height 35 mm	Height 30 mm	Height 35 mm	Height 30 mm	Height 30 mm	Height 30 mm	$M_u = 5 \text{ Nm}$	p_{\max} bar	
		VPP2-04	VJR1-04	VJO1-04/M		M5 x 144	320	760-0078
		VPP2-04	VJR1-04		VSO1-04/M	M5 x 144	320	760-0078
		VPP2-04		VJO1-04/M	VSO1-04/M	M5 x 144	320	760-0078
			VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 136	320	760-0077
M-TR	VRP2-04	VPP2-04	VJR1-04			M5 x 177	320	760-0147
M-TR	VRP2-04	VPP2-04		VJO1-04/M		M5 x 177	320	760-0147
M-TR	VRP2-04	VPP2-04			VSO1-04/M	M5 x 177	320	760-0147
M-TR	VRP2-04		VJR1-04	VJO1-04/M		M5 x 170	320	760-0080
M-TR	VRP2-04		VJR1-04		VSO1-04/M	M5 x 170	320	760-0080
M-TR	VRP2-04			VJO1-04/M	VSO1-04/M	M5 x 170	320	760-0080
M-TR		VPP2-04	VJR1-04	VJO1-04/M		M5 x 177	320	760-0147
M-TR		VPP2-04	VJR1-04		VSO1-04/M	M5 x 177	320	760-0147
M-TR		VPP2-04		VJO1-04/M	VSO1-04/M	M5 x 177	320	760-0147
M-TR			VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 170	320	760-0080
	VRP2-04	VPP2-04	VJR1-04	VJO1-04/M		M5 x 170	320	760-0080
	VRP2-04	VPP2-04	VJR1-04		VSO1-04/M	M5 x 170	320	760-0080
	VRP2-04	VPP2-04		VJO1-04/M	VSO1-04/M	M5 x 170	320	760-0080
	VRP2-04		VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 170	320	760-0080
		VPP2-04	VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 170	320	760-0080
M-TR	VRP2-04	VPP2-04	VJR1-04	VJO1-04/M		M5 x 210	250	760-0085
M-TR	VRP2-04	VPP2-04	VJR1-04		VSO1-04/M	M5 x 210	250	760-0085
M-TR	VRP2-04	VPP2-04		VJO1-04/M	VSO1-04/M	M5 x 210	250	760-0085
M-TR	VRP2-04		VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 202	250	760-0095
M-TR		VPP2-04	VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 210	250	760-0085
	VRP2-04	VPP2-04	VJR1-04	VJO1-04/M	VSO1-04/M	M5 x 202	250	760-0095

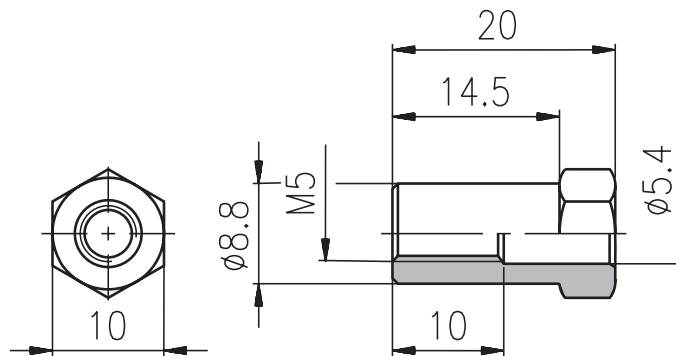
* The order number contains a set of 4 studs and 4 nuts.

Valve Dimensions

Dimensions in millimeters

Stud Bolt

Stud bolt M5 x L (length L see the table), class of strength 10.9.

Stud Nut**Order numbers of Individual Stud Bolts and Stud Nuts**

Name	Dimension	Weight/100 pcs (kg)	Ordering number
Stud Bolt	M5 x 77	1.08	309001005077
Stud Bolt	M5 x 82	1.15	309001005082
Stud Bolt	M5 x 110	1.55	309001005110
Stud Bolt	M5 x 115	1.62	309001005115
Stud Bolt	M5 x 136	1.92	309001005136
Stud Bolt	M5 x 144	2.03	309001005144
Stud Bolt	M5 x 170	2.39	309001005170
Stud Bolt	M5 x 177	2.49	309001005177
Stud Bolt	M5 x 202	2.84	309001005202
Stud Bolt	M5 x 210	2.96	309001005210
Stud Nut	M5	0.71	336 677 721 990

Caution!

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- For in-line mounting of hydraulic valves
- Parallel connection of ports P and T
- 1 ...8 sections possible
- Installation dimensions size 06 to ISO 4401 CETOP - RP 121H
- Valve cavity 7/8-14UNF



Ordering Code

DR2-06 /

In-line connecting plate 7/8-14UNF

Nominal size

AL
ST

Material
Aluminum
Steel

0 without cavities
1 with one cavity for pressure valve
2 with two cavities for pressure relief and unloading valves

Number of sections

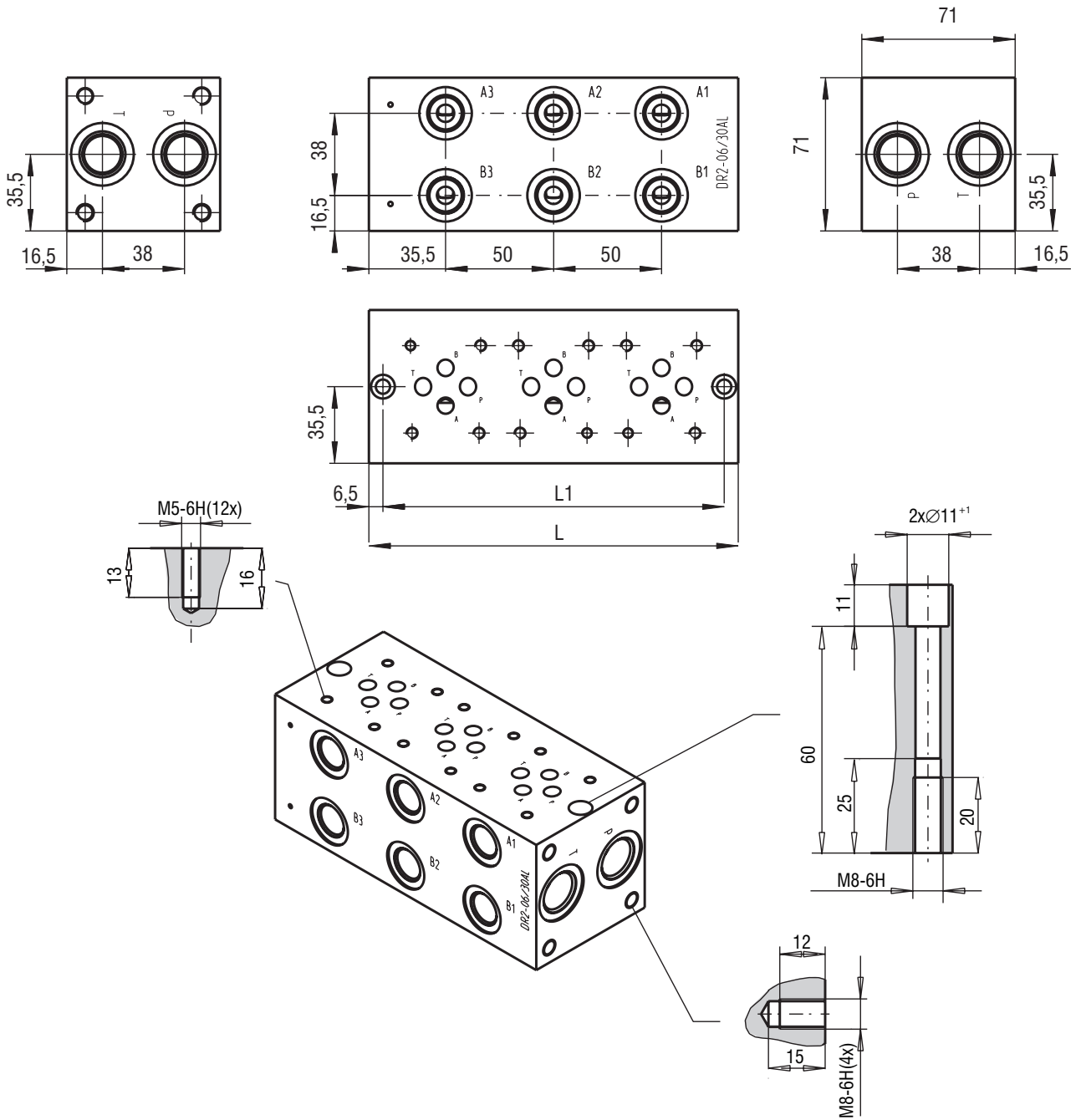
1 1 section
2 2 sections
3 3 sections
4 4 sections
5 5 sections
6 6 sections
7 7 sections
8 8 sections

Valve Dimensions

Dimensions in millimeters

DR2 06 / 0

number of sections 1-8



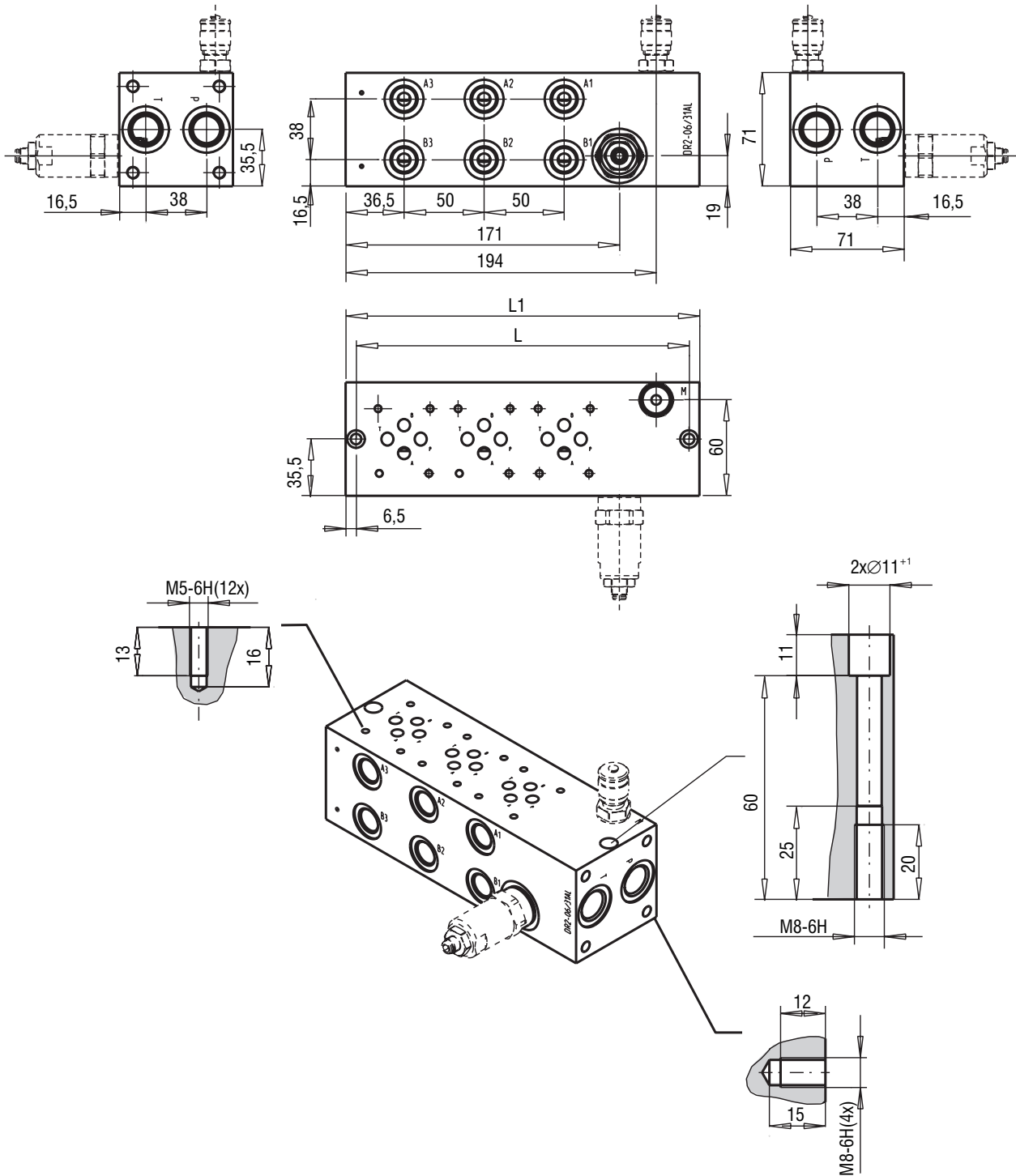
Number of sections	L (mm)	L1 (mm)	C (mm)	Ordering number	Weight (kg)	Ordering number	Weight (kg)
				AL		ST	
1	71	58	50	27562600	0,83	28262900	2,33
2	121	108	50	27562700	1,43	28263000	4,15
3	171	158	50	27562800	2,03	28263100	5,70
4	221	208	50	27562900	2,63	28263200	7,38
5	271	258	50	27563000	3,23	28263300	9,07
6	321	308	50	27563100	3,83	28263400	10,75
7	371	358	50	27563200	4,43	28263500	12,43
8	421	408	50	27563400	5,03	28263600	14,12

Valve Dimensions

Dimensions in millimeters

DR2 06 /

number of sections 1-8

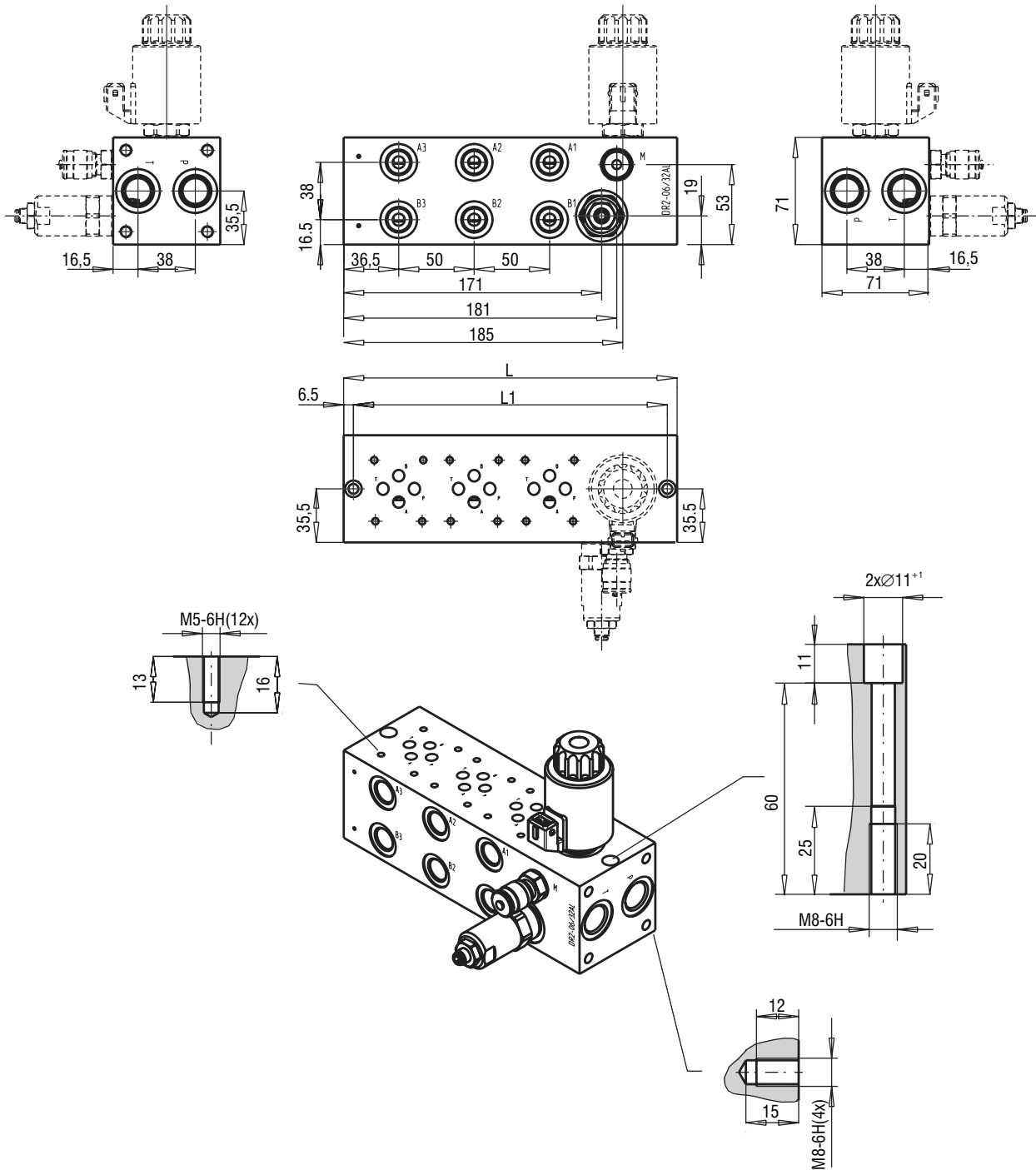


Number of sections	L (mm)	L1 (mm)	C (mm)	Ordering number	Weight (kg)	Ordering number	Weight (kg)
				AL		ST	
1	121	108	50	27563500	1,43	28263700	4,02
2	171	158	50	27563600	2,03	28263800	5,70
3	221	208	50	27563700	2,63	28263900	7,38
4	271	258	50	27563800	3,23	28264000	9,06
5	321	308	50	27563900	3,83	28264100	10,72
6	371	358	50	27564000	4,42	28264200	12,43
7	421	408	50	27564100	5,02	28264300	14,12
8	471	458	50	27564200	5,62	28264400	15,80

Valve Dimensions

Dimensions in millimeters

DR2 06 / 2
number of sections 1-8



Number of sections	L (mm)	L1 (mm)	C (mm)	Ordering number	Weight (kg)	Ordering number	Weight (kg)
				AL		ST	
1	121	108	50	27632300	1,38	28269600	3,88
2	171	158	50	27632500	1,98	28269700	5,57
3	221	208	50	27632600	2,58	28269800	7,25
4	271	258	50	27632700	3,18	28269900	8,94
5	321	308	50	27632800	3,78	28270000	10,62
6	371	358	50	27632900	4,38	28270100	12,30
7	421	408	50	27633000	4,98	28270200	13,99
8	471	458	50	27633100	5,58	28270300	15,67

Caution!

- The packing foil is recyclable.
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Table of stud kits for vertical stacking assemblies in combination with directional control valve RPE3-06

Pressure switch	Pressure reducing valve	Pressure relief valve	Pilot operated check valve	Check valve	Throttle valve	Studs with rolled threads	Maximum working pressure	Ordering number*
Height 43 mm	Height 45 mm	Height 40 mm	Height 40 mm	Height 31.4 mm	Height 40 mm	$M_u = 8.9 \text{ Nm}$	p_{\max} bar	
MTS1-06						M5 x 98	320	760-0072
	VRN2-06					M5 x 102	320	760-0073
		VPN1-06				M5 x 98	320	760-0072
			2RJV1-06			M5 x 98	320	760-0072
				MVJ2-06		M5 x 88	320	760-0094
					2VS3-06	M5 x 98	320	760-0072
MTS1-06	VRN2-06					M5 x 144	320	760-0078
MTS1-06		VPN1-06				M5 x 136	320	760-0077
MTS1-06			2RJV1-06			M5 x 136	320	760-0077
MTS1-06				MVJ2-06		M5 x 130	320	760-0076
MTS1-06					2VS3-06	M5 x 136	320	760-0077
	VRN2-06	VPN1-06				M5 x 144	320	760-0078
	VRN2-06		2RJV1-06			M5 x 144	320	760-0078
	VRN2-06			MVJ2-06		M5 x 136	320	760-0077
	VRN2-06				2VS3-06	M5 x 144	320	760-0078
		VPN1-06	2RJV1-06			M5 x 136	320	760-0077
		VPN1-06		MVJ2-06		M5 x 130	320	760-0076
		VPN1-06			2VS3-06	M5 x 136	320	760-0077
			2RJV1-06	MVJ2-06		M5 x 130	320	760-0076
			2RJV1-06		2VS3-06	M5 x 136	320	760-0077
				MVJ2-06	2VS3-06	M5 x 130	320	760-0076
MTS1-06	VRN2-06	VPN1-06				M5 x 185	320	760-0083
MTS1-06	VRN2-06		2RJV1-06			M5 x 185	320	760-0083
MTS1-06	VRN2-06			MVJ2-06		M5 x 175	320	760-0081
MTS1-06	VRN2-06				2VS3-06	M5 x 180	320	760-0082
MTS1-06		VPN1-06	2RJV1-06			M5 x 180	320	760-0082
MTS1-06		VPN1-06		MVJ2-06		M5 x 170	320	760-0080
MTS1-06		VPN1-06			2VS3-06	M5 x 180	320	760-0082
MTS1-06			2RJV1-06	MVJ2-06		M5 x 170	320	760-0080
MTS1-06			2RJV1-06		2VS3-06	M5 x 180	320	760-0082
MTS1-06				MVJ2-06	2VS3-06	M5 x 170	320	760-0080
	VRN2-06	VPN1-06	2RJV1-06			M5 x 185	320	760-0083
	VRN2-06	VPN1-06		MVJ2-06		M5 x 175	320	760-0081
	VRN2-06	VPN1-06			2VS3-06	M5 x 180	320	760-0082
	VRN2-06		2RJV1-06	MVJ2-06		M5 x 175	320	760-0081
	VRN2-06		2RJV1-06		2VS3-06	M5 x 180	320	760-0082
	VRN2-06			MVJ2-06	2VS3-06	M5 x 175	320	760-0081

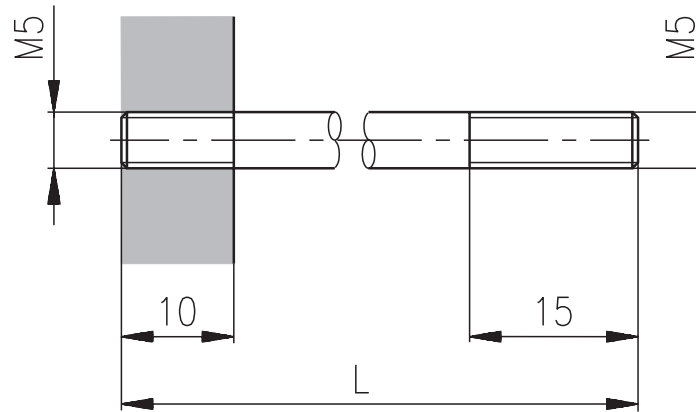
Table of stud kits for vertical stacking assemblies in combination with directional control valve RPE3-06

Pressure switch	Pressure reducing valve	Pressure relief valve	Pilot operated check valve	Check valve	Throttle valve	Studs with rolled threads	Maximum working pressure	Ordering number*
Height 43 mm	Height 45 mm	Height 40 mm	Height 40 mm	Height 31.4 mm	Height 40 mm	$M_u = 8.9 \text{ Nm}$	p_{max} bar	
		VPN1-06	2RJV1-06	MVJ2-06		M5 x 170	320	760-0080
		VPN1-06	2RJV1-06		2VS3-06	M5 x 175	320	760-0081
		VPN1-06		MVJ2-06	2VS3-06	M5 x 170	320	760-0080
			2RJV1-06	MVJ2-06	2VS3-06	M5 x 170	320	760-0080
MTS1-06	VRN2-06	VPN1-06	2RJV1-06			M5 x 222	250	760-0087
MTS1-06	VRN2-06	VPN1-06		MVJ2-06		M5 x 215	250	760-0086
MTS1-06	VRN2-06	VPN1-06			2VS3-06	M5 x 222	250	760-0087
MTS1-06	VRN2-06		2RJV1-06	MVJ2-06		M5 x 215	250	760-0086
MTS1-06	VRN2-06		2RJV1-06		2VS3-06	M5 x 222	250	760-0087
MTS1-06	VRN2-06			MVJ2-06	2VS3-06	M5 x 215	250	760-0086
MTS1-06		VPN1-06	2RJV1-06	MVJ2-06		M5 x 210	250	760-0085
MTS1-06		VPN1-06	2RJV1-06		2VS3-06	M5 x 215	250	760-0086
MTS1-06		VPN1-06		MVJ2-06	2VS3-06	M5 x 210	250	760-0085
MTS1-06			2RJV1-06	MVJ2-06	2VS3-06	M5 x 210	250	760-0085
	VRN2-06	VPN1-06	2RJV1-06	MVJ2-06		M5 x 215	250	760-0086
	VRN2-06	VPN1-06	2RJV1-06		2VS3-06	M5 x 222	250	760-0087
	VRN2-06	VPN1-06		MVJ2-06	2VS3-06	M5 x 215	250	760-0086
	VRN2-06		2RJV1-06	MVJ2-06	2VS3-06	M5 x 215	250	760-0086
		VPN1-06	2RJV1-06	MVJ2-06	2VS3-06	M5 x 210	250	760-0085
MTS1-06	VRN2-06	VPN1-06	2RJV1-06	MVJ2-06		M5 x 255	200	760-0088
MTS1-06	VRN2-06	VPN1-06	2RJV1-06		2VS3-06	M5 x 262	200	760-0096
MTS1-06	VRN2-06	VPN1-06		MVJ2-06	2VS3-06	M5 x 255	200	760-0088
MTS1-06	VRN2-06		2RJV1-06	MVJ2-06	2VS3-06	M5 x 255	200	760-0088
MTS1-06		VPN1-06	2RJV1-06	MVJ2-06	2VS3-06	M5 x 250	200	760-0097
	VRN2-06	VPN1-06	2RJV1-06	MVJ2-06	2VS3-06	M5 x 255	200	760-0088

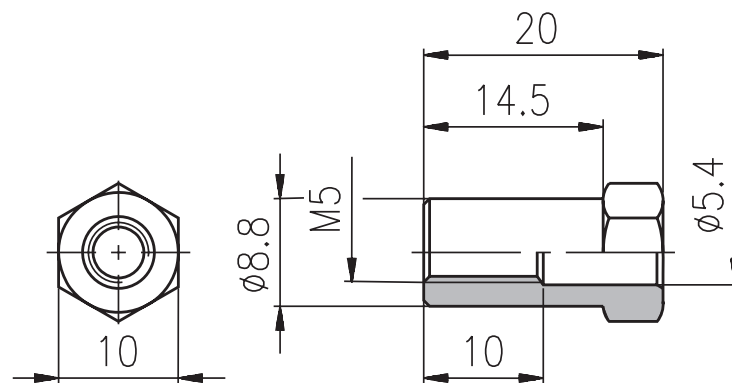
* The ordering number contains a set of 4 studs and 4 nuts.

Valve Dimensions

Dimensions in millimeters

Stud Bolt

Stud bolt M5 x L (length L see the table), class of strength 10.9.

Stud Nut**Order numbers of Individual Stud Bolts and Stud Nuts**

Name	Dimension	Weight/100 pcs (kg)	Ordering number
Stud Bolt	M5 x 88	1.24	309001005088
Stud Bolt	M5 x 98	1.38	309001005098
Stud Bolt	M5 x 102	1.44	309001005102
Stud Bolt	M5 x 130	1.83	309001005130
Stud Bolt	M5 x 136	1.92	309001005136
Stud Bolt	M5 x 144	2.03	309001005144
Stud Bolt	M5 x 170	2.39	309001005170
Stud Bolt	M5 x 175	2.46	309001005175
Stud Bolt	M5 x 180	2.53	309001005180
Stud Bolt	M5 x 185	2.61	309001005185
Stud Bolt	M5 x 210	2.96	309001005210
Stud Bolt	M5 x 215	3.03	309001005215
Stud Bolt	M5 x 222	3.13	309001005222
Stud Bolt	M5 x 250	3.52	309001005250
Stud Bolt	M5 x 255	3.59	309001005255
Stud Bolt	M5 x 262	3.69	309001005262
Stud Nut	M5	0.71	336 677 721 990

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Table of stud kits for vertical stacking assemblies in combination with directional control valve RPE4-10

Pressure switch	Pressure reducing valve	Pressure relief valve	Pilot operated check valve	Check valve	Throttle valve	Studs with rolled threads	Maximum working pressure	Ordering number*
Height 43 mm	Height 50 mm	Height 50 mm	Height 50 mm	Height 40 mm	Height 50 mm	$M_u = 14 \text{ Nm}$	p_{\max} bar	
MTS1-10						M6 x 92	320	760-0131
	VRN1-10					M6 x 103	320	760-0130
		VPN2-10				M6 x 103	320	760-0130
			VJR2-10			M6 x 103	320	760-0130
				MVJ2-10		M6 x 92	320	760-0131
					VSO2-10	M6 x 103	320	760-0130
MTS1-10	VRN1-10					M6 x 147	320	760-0144
MTS1-10		VPN2-10				M6 x 147	320	760-0144
MTS1-10			VJR2-10			M6 x 147	320	760-0144
MTS1-10				MVJ2-10		M6 x 136	320	760-0143
MTS1-10					VSO2-10	M6 x 147	320	760-0144
	VRN1-10	VPN2-10				M6 x 152	320	760-0133
	VRN1-10		VJR2-10			M6 x 152	320	760-0133
	VRN1-10			MVJ2-10		M6 x 143	320	760-0132
	VRN1-10				VSO2-10	M6 x 152	320	760-0133
		VPN2-10	VJR2-10			M6 x 152	320	760-0133
		VPN2-10		MVJ2-10		M6 x 143	320	760-0132
		VPN2-10			VSO2-10	M6 x 152	320	760-0133
			VJR2-10	MVJ2-10		M6 x 143	320	760-0132
			VJR2-10		VSO2-10	M6 x 152	320	760-0133
				MVJ2-10	VSO2-10	M6 x 143	320	760-0132
MTS1-10	VRN1-10	VPN2-10				M6 x 199	320	760-0145
MTS1-10	VRN1-10		VJR2-10			M6 x 199	320	760-0145
MTS1-10	VRN1-10			MVJ2-10		M6 x 187	320	760-0134
MTS1-10	VRN1-10				VSO2-10	M6 x 199	320	760-0145
MTS1-10		VPN2-10	VJR2-10			M6 x 199	320	760-0145
MTS1-10		VPN2-10		MVJ2-10		M6 x 187	320	760-0134
MTS1-10		VPN2-10			VSO2-10	M6 x 199	320	760-0145
MTS1-10			VJR2-10	MVJ2-10		M6 x 187	320	760-0134
MTS1-10			VJR2-10		VSO2-10	M6 x 199	320	760-0145
MTS1-10				MVJ2-10	VSO2-10	M6 x 187	320	760-0134
	VRN1-10	VPN2-10	VJR2-10			M6 x 203	320	760-0136
	VRN1-10	VPN2-10		MVJ2-10		M6 x 194	320	760-0135
	VRN1-10	VPN2-10			VSO2-10	M6 x 203	320	760-0136
	VRN1-10		VJR2-10	MVJ2-10		M6 x 194	320	760-0135
	VRN1-10		VJR2-10		VSO2-10	M6 x 203	320	760-0136
	VRN1-10			MVJ2-10	VSO2-10	M6 x 194	320	760-0135

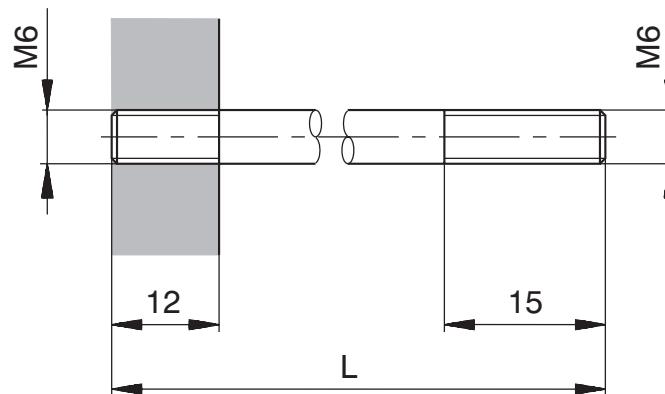
Table of stud kits for vertical stacking assemblies in combination with directional control valve RPE4-10

Pressure switch	Pressure reducing valve	Pressure relief valve	Pilot operated check valve	Check valve	Throttle valve	Studs with rolled threads	Maximum working pressure	Ordering number*
Height 43 mm	Height 50 mm	Height 50 mm	Height 50 mm	Height 40 mm	Height 50 mm	$M_u = 14 \text{ Nm}$	p_{\max} bar	
		VPN2-10	VJR2-10	MVJ2-10		M6 x 194	320	760-0135
		VPN2-10	VJR2-10		VSO2-10	M6 x 203	320	760-0136
		VPN2-10		MVJ2-10	VSO2-10	M6 x 194	320	760-0135
			VJR2-10	MVJ2-10	VSO2-10	M6 x 194	320	760-0135
MTS1-10	VRN1-10	VPN2-10	VJR2-10			M6 x 245	250	760-0138
MTS1-10	VRN1-10	VPN2-10		MVJ2-10		M6 x 236	250	760-0137
MTS1-10	VRN1-10	VPN2-10			VSO2-10	M6 x 245	250	760-0138
MTS1-10	VRN1-10		VJR2-10	MVJ2-10		M6 x 236	250	760-0137
MTS1-10	VRN1-10		VJR2-10		VSO2-10	M6 x 245	250	760-0138
MTS1-10	VRN1-10			MVJ2-10	VSO2-10	M6 x 236	250	760-0137
MTS1-10		VPN2-10	VJR2-10	MVJ2-10		M6 x 236	250	760-0137
MTS1-10		VPN2-10	VJR2-10		VSO2-10	M6 x 245	250	760-0138
MTS1-10		VPN2-10		MVJ2-10	VSO2-10	M6 x 236	250	760-0137
MTS1-10			VJR2-10	MVJ2-10	VSO2-10	M6 x 236	250	760-0137
	VRN1-10	VPN2-10	VJR2-10	MVJ2-10		M6 x 245	250	760-0138
	VRN1-10	VPN2-10	VJR2-10		VSO2-10	M6 x 253	250	760-0142
	VRN1-10	VPN2-10		MVJ2-10	VSO2-10	M6 x 245	250	760-0138
	VRN1-10		VJR2-10	MVJ2-10	VSO2-10	M6 x 245	250	760-0138
		VPN2-10	VJR2-10	MVJ2-10	VSO2-10	M6 x 245	250	760-0138
MTS1-10	VRN1-10	VPN2-10	VJR2-10	MVJ2-10		M6 x 287	200	760-0139
MTS1-10	VRN1-10	VPN2-10	VJR2-10		VSO2-10	M6 x 295	200	760-0140
MTS1-10	VRN1-10	VPN2-10		MVJ2-10	VSO2-10	M6 x 287	200	760-0139
MTS1-10	VRN1-10		VJR2-10	MVJ2-10	VSO2-10	M6 x 287	200	760-0139
MTS1-10		VPN2-10	VJR2-10	MVJ2-10	VSO2-10	M6 x 287	200	760-0139
	VRN1-10	VPN2-10	VJR2-10	MVJ2-10	VSO2-10	M6 x 295	200	760-0140

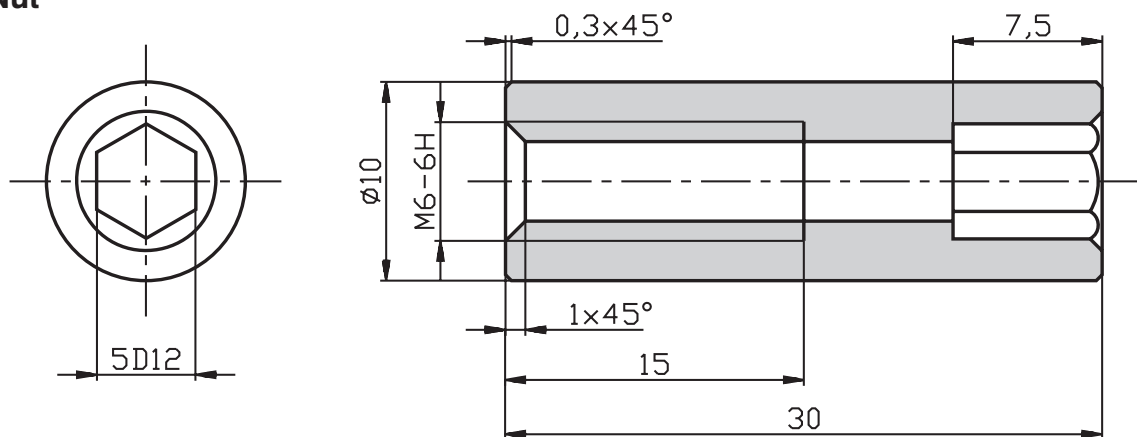
* The ordering number contains a set of 4 studs and 4 nuts.

Valve Dimensions

Dimensions in millimeters

Stud Bolt

Stud bolt M6 x L (length L see the table), class of strength 10.9.

Stud Nut**Ordering numbers of individual stud bolts and stud nuts**

Name	Dimension	Weight/100 pcs (kg)	Ordering number
Stud Bolt	M6 x 92	1.9	309001006092
Stud Bolt	M6 x 103	2.1	309001006103
Stud Bolt	M6 x 136	2.8	309001006136
Stud Bolt	M6 x 143	3.0	309001006143
Stud Bolt	M6 x 147	3.1	309001006147
Stud Bolt	M6 x 152	3.2	309001006152
Stud Bolt	M6 x 187	4.0	309001006187
Stud Bolt	M6 x 194	4.1	309001006194
Stud Bolt	M6 x 199	4.2	309001006199
Stud Bolt	M6 x 203	4.3	309001006203
Stud Bolt	M6 x 236	5.0	309001006236
Stud Bolt	M6 x 245	5.2	309001006245
Stud Bolt	M6 x 253	5.5	309001006253
Stud Bolt	M6 x 287	6.1	309001006287
Stud Bolt	M6 x 295	6.4	309001006295
Stud Nut	M6	1.31	760/4220

Caution!

- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

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3/4-16UNF; 7/8-14UNF; M20x1,5; M22x1,5; M27x2; G1/8

- Standard Cavity Plugs are used as replacements for valves with cavity sizes 3/4-16UNF; 7/8-14UNF; M20x1,5; M22x1,5; M27x2 and G1/8
- Standard Cavity Plugs seal all access to the cavities. Special Cavity Plugs can be made since the Cavity Plugs have a hole drilled in axial direction. In drilling additional radial holes several functions can be created. Size and location of these holes must be according to the standard cavities.
- Sealing of the Cavity Plugs is identical to the seals of the same valve type
- The Cavity Plugs are zinc coated



Technical Data

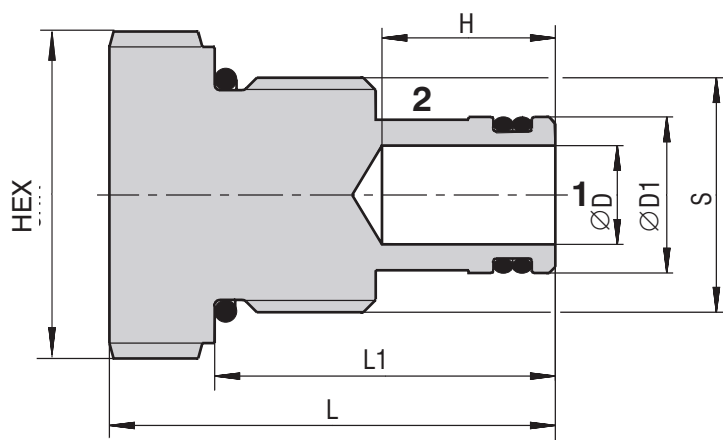
Hydraulic fluid	Hydraulic oils of power classes (HL, HLP) to DIN 51524
Fluid temperature range (NBR) °C (°F)	-30 ... +100 (-22 ... +212)
Maximum degree of fluid contamination	Class 21/18/15 according to ISO 4406 (1999)
Mounting position	optional (any)

Types, Selection and Application

Thread Size of Cavity	The number of Valve cavities of the Specific Component	Code of the Valve, witch is replaced by the Cavity Plugs	Ordering Code	Weight (kg/lb)	Torgue (Nm/lbfft)	Operating Pressure (bar/~PSI)
3/4-16UNF	2	SD2E-A2	15960800	0.07/ 0.154	120/88.51	420/ 6090
		SD3E-A2				
		SD1E-A2				
		SD1M-A2				
		SC1F-A2				
		SR1A-A2				
	SF22A-A2					
	3	SD2E-A3	22751900	0.08 (0.176)	120/88.51	420/ 6090
		SP2A-A3				
SC1F-A3						
4	SD2E-A4	22752000	0.09/ 0.198	120/88.51	420/ 6090	
7/8-14UNF	2	SD3E-B2	19356300	0.10/ 0.220	150/110.63	420/ 6090
		SC1F-B2				
		SR1A-B2				
		SR4A-B2				
		SR4P-B2				
	3	SD2E-B3	19356900	0.12/ 0.265	150/110.63	420/ 6090
		SP4A-B3				
		SP4P-B3				
	SFD2F-B3					
	4	SD2E-B4	19357300	0.14/ 0.309	150/110.63	420/ 6090
M20x1,5	3	PVRM1-063	19434000	0.10/ 0.220	60/ 44.26	50/ 725
M22x1,5	2	ROE3	19433200	0.09/ 0.198	80/ 59.00	350/ 5075
		VPN1-06				
		VPP2-04				
3	VRN2-06	19433400	0.11/ 0.243	80/ 59.00	320/ 4640	
M27x2	2	VPN2-10	19433600	0.18/ 0.397	120/88.51	350/ 5075
	3	VRN2-10	24493100	0.20/ 0.441	120/88.51	320/ 4640
G1/8	3	LV1-043	19433800	0.01/ 0.022	12/ 8.85	500/ 7250

The Cavity Plugs for 2 Way Valves

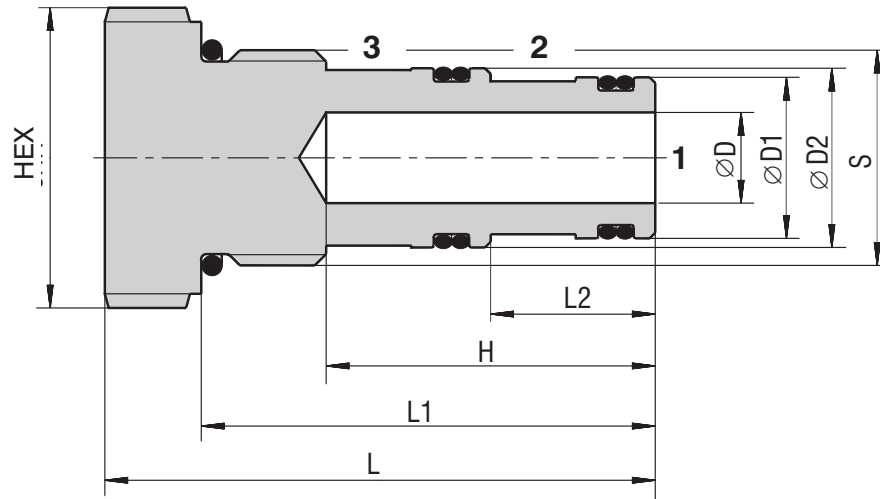
Dimensions in millimeters (inches)



S	HEX	L	L1	Ø D	H	Ø D1
3/4-16UNF	24 (0.945)	36 (1.417)	27,5 (1.083)	8 (0.135)	14 (0.551)	12,65 (0.498)
7/8-14UNF	27 (1.063)	43 (1.693)	33 (1.299)	10 (0.394)	19 (0.748)	15,82 (0.623)
M22x1,5	27 (1.063)	38 (1.496)	28 (1.102)	12 (0.472)	18 (0.709)	18 (0.709)
M27x2	32 (1.260)	58 (2.283)	46 (1.811)	13,5 (0.532)	32 (1.260)	23 (0.906)

The Cavity Plugs for 3 Way Valves

Dimensions in millimeters (inches)

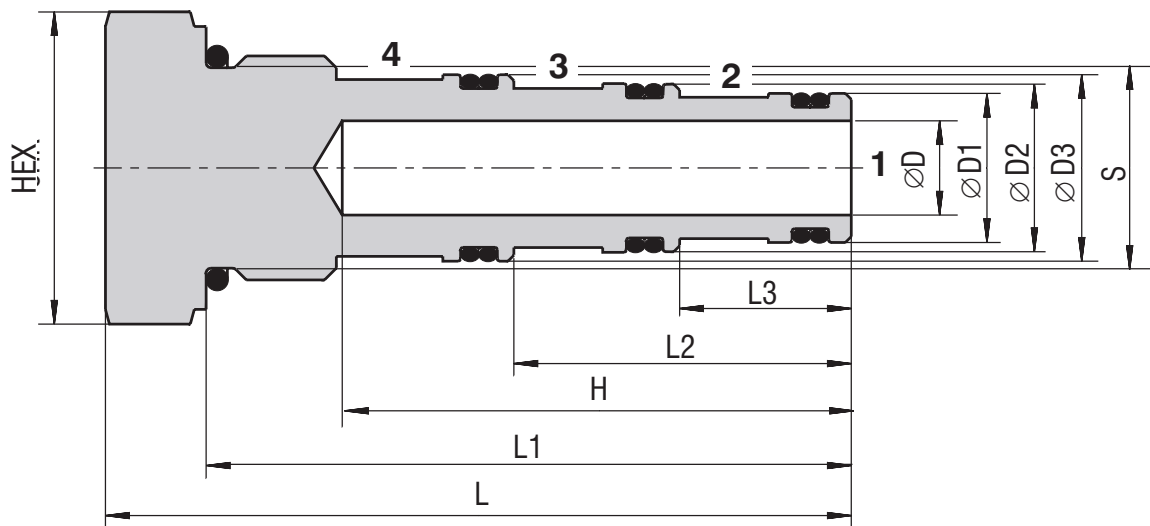


S	HEX	L	L1	L2	Ø D	H
3/4-16UNF	24 (0.945)	48.5 (1.909)	40 (1.575)	14.5 (0.571)	8 (0.135)	29 (1.142)
7/8-14UNF	27 (1.063)	57 (2.244)	47 (1.850)	16.5 (0.650)	10 (0.394)	33 (1.299)
M20x1,5	24 (0.945)	55 (2.165)	45 (1.772)	16 (0.630)	10 (0.394)	32 (1.260)
M22x1,5	27 (1.063)	51 (2.008)	41 (1.615)	14.5 (0.571)	10 (0.394)	31 (1.220)
M27x2	32 (1.260)	63 (2.480)	51 (2.008)	21 (0.827)	12 (0.472)	36 (1.417)

S	Ø D1	Ø D2
3/4-16UNF	14.22 (0.560)	15.82 (0.623)
7/8-14UNF	15.82 (0.623)	17.42 (0.686)
M20x1,5	15.40 (0.606)	16.90 (0.665)
M22x1,5	17.50 (0.689)	18.00 (0.709)
M27x2	21.00 (0.827)	23.00 (0.906)

The Cavity Plugs for 4 Way Valves

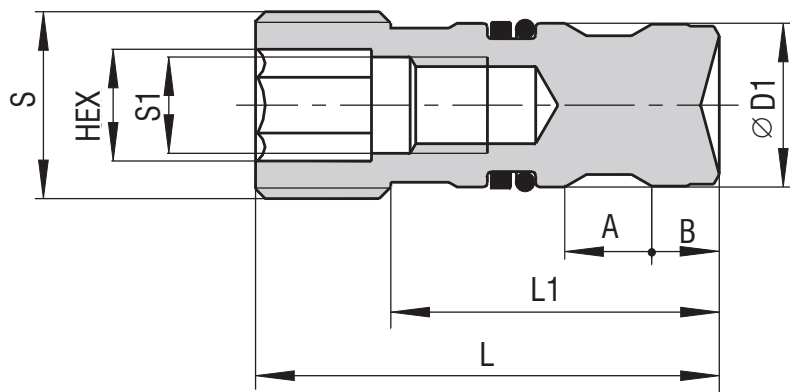
Dimensions in millimeters (inches)



S	HEX	L	L1	L2	L3	Ø D	H
3/4-16UNF	24 (0.945)	63 (2.480)	54.5 (2.146)	28.5 (1.122)	14.5 (0.571)	8 (0.135)	43 (1.693)
7/8-14UNF	27 (1.063)	70.5 (2.776)	60.5 (2.382)	31 (1.220)	15 (0.591)	10 (0.394)	46 (1.811)

S	Ø D1	Ø D2	Ø D3
3/4-16UNF	12.65 (0.498)	14.22 (0.560)	15.82 (0.623)
7/8-14UNF	15.82 (0.623)	17.42 (0.686)	19.00 (0.748)

The Cavity Plugs with Hexagon Socket (for LV1-043) Dimensions in millimeters (inches)



S	HEX	L	L1	S1	Ø D1	A	B
G 1/8	5 (0.197)	24 (0.945)	17 (0.669)	5 (0.197)	8.5 (0.335)	4.5 (0.177)	3.5 (0.138)

Caution!

- The plastic packaging is recyclable.
- Certified documentation is available per request.

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 www.argo-hytos.com

- Various designs regarding sizes and types
- Large selection of AC / DC voltages



Ordering Code



Electromagnet coil

Coil design

(Size - according to the inner diameter)

Ø 13,0 mm	13
Ø 13,4 mm	14
Ø 19,0 mm	19
Ø 19,0 mm	20
Ø 22,0 mm	22
Ø 31,0 mm	31

Coil housing design version

Scrolled housing	A
Drawn housing	B
Long drawn housing	C
Pressed part	D

Rated voltage of solenoid

(at the coil terminals)

12 V DC	01200
14 V DC	01400
24 V DC	02400
48 V DC	04800
106 V DC	10600
205 V DC	20500
115 V 50 Hz	11050
120 V 60 Hz	12060
230 V 50 Hz	23050

Type of solenoid coil

see the page 18

E..

Conductor design

- Non-braided
- Braided

**N
B**

* For loose conductors only

Special design

Insulation design

- No designation
- Standard
- H** Version CSA

Surface treatment

- A** ZnCr₃
- B** Zn/Ni

Detent type*

- N** Without detent
 - F** With detent
- *C31 coils only

Resistance

... Coil resistance (Ω)
See the table of preferred coils

300

...

Length of conductors

- Standard (300 mm)
- according to customer's requirements
- * For loose conductors only

Coils C13										
Valve type	Voltage [V]	Current [A]	Type of solenoid coil							
			E1	E2	E3	E4	E8	E9	E12	E13
SD2E-A2/S.. SD2E-A3/S.. SD2E-A4/S.. SD3E-A2/S..	01200	2,25	16210900 C13D-01200E1-5.3N	16211100 C13D-01200E2-5.3N	24122100 C13D-01200E3-5.3N	24124200 C13D-01200E4-5.3N	24122200 C13D-01200E8N300-5.3N	24123600 C13D-01200E9N300-5.3N	24122300 C13D-01200E12-5.3N	17503100 C13D-01200E13-5.3N
	02400	1,14	16211000 C13D-02400E1-21N	16211200 C13D-02400E2-21N	24122500 C13D-02400E3-21N	24124300 C13D-02400E4-21N	24122600 C13D-02400E8N300-21N	24123700 C13D-02400E9N300-21N	24122700 C13D-02400E12-21N	---
	10600*	0,25	17270000 C13D-10600E1-432N	---	---	---	---	---	---	---
	20500**	0,12	16669000 C13D-20500E1-1680N	---	---	---	---	---	---	---

Coils C14					
Valve type	Voltage [V]	Current [A]	Type of solenoid coil		
			E1	E2	E4A
RPEK1	01200	1,83	16210300 C14B-01200E1-6.55NA	24101600 C14B-01200E2-6.55NA	28822600 C14B-01200E4A-6.55NA
	02400	0,92	16210400 C14B-02400E1-26.2NA	24101800 C14B-02400E2-26.2NA	28822400 C14B-02400E4A-6.55NA
	20500**	0,08	16210500 C14B-20500E1-2476NA	---	---

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.

* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

** Coil version 205 are suitable for the rectified voltage of 230V / 50Hz.

Coils C19 (Dn 04)		Type of solenoid coil									
Valve type	Voltage [V]	Current [A]	E1	E2	E3	E4	E3A	E4A			
RPE3-04 ROE3-04 ROE3-06	01200	2,41	27316600 C19B-01200E1-4,98NA	27631400 C19B-01200E2-4,98NA	27330200 C19B-01200E3-4,98NA	27631600 C19B-01200E4-4,98NA	27449600 C19B-01200E5A-4,98NA	27631900 C19B-01200E4A-4,98NA			
	01400	1,66	27634100 C19B-01400E1-8,23NA	27634200 C19B-01400E2-8,23NA	27634300 C19B-01400E3-8,23NA	27634400 C19B-01400E4-8,23NA	27634500 C19B-01400E5A-8,23NA	27634600 C19B-01400E4A-8,23NA			
	02400	1,15	27316700 C19B-02400E1-20,8NA	27632400 C19B-02400E2-20,8NA	27330300 C19B-02400E3-20,8NA	27633200 C19B-02400E4-20,8NA	27449700 C19B-02400E5A-20,8NA	27633400 C19B-02400E4A-20,8NA			
	04800	0,56	27825500 C19B-04800E1-86,9NA	---	---	---	---	---			
	10600*	0,22	27642600 C19B-10600E1-494NA	---	---	---	---	---			
	20500**	0,12	27382401 C19B-20500E1-1653NA	---	---	---	---	---			
	12060	0,22	---	---	---	---	---	---			
	23050	0,12	---	---	---	---	---	---			
	01200 CSA	2,41	24140700 C19A-01200E1-4,98NAH	---	---	---	---	---			
	02400 CSA	1,15	24140800 C19A-02400E1-21NAH	---	---	---	---	---			
11550 CSA	0,24	---	---	---	---	---	---				
23050 CSA	0,14	---	---	---	---	---	---				
SD2E-A2/H SD2E-A3/H SD2E-A4/H SD3E-A2/H	01200	1,7	27666300 C19B-01200E1-7,1NA	27666700 C19B-01200E2-7,1NA	27667000 C19B-01200E3-7,1NA	27667100 C19B-01200E4-7,1NA	---	---			
	02400	0,83	27667700 C19B-02400E1-28,8NA	27667800 C19B-02400E2-28,8NA	27667900 C19B-02400E3-28,8NA	27668000 C19B-02400E4-28,8NA	---				
	10600*	0,2	27668400 C19B-10600E1-527NA	---	---	---	---				
	20500**	0,1	27668700 C19B-20500E1-2065NA	---	---	---	---				
	12060	0,21	---	---	---	---	---				
	23050	0,11	---	---	---	---	---				

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.
 * Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.
 ** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

Coils C19		Type of solenoid coil						
Valve type	Voltage [V]	Current [A]	E5	E8	E9	E12	E13	
RPE3-04 ROE3-04 ROE3-06	01200	2,41	---	27632200 C19B-01200E8N300-4,98NA	27632100 C19B-01200E9N300-4,98NA	27951400 C19B-01200E12-4,98NA	27632000 C19B-01200E13-4,98NA	
	01400	1,66	---	27634800 C19B-01400E8N300-8,23NA	27634900 C19B-01400E9N300-8,23NA	27635000 C19B-01400E12-8,23NA	27635100 C19B-01400E13-8,23NA	
	02400	1,15	---	27633700 C19B-02400E8N300-20,8NA	27633600 C19B-02400E9N300-20,8NA	27330500 C19B-02400E12-20,8NA	27633500 C19B-02400E13-20,8NA	
	04800	0,56	---	---	---	---	---	
	10600*	0,22	---	---	---	---	---	
	20500**	0,12	---	---	---	---	---	
	12060	0,22	27642700 C19B-12060E5-494NA	---	---	---	---	
	23050	0,12	27449900 C19B-23050E5-1653NA	---	---	---	---	
	01200 CSA	2,41	---	---	---	---	---	
	02400 CSA	1,15	---	---	---	---	---	
SD2E-A2/H SD2E-A3/H SD2E-A4/H SD3E-A2/H	11550 CSA	0,24	24140900 C19A-11550E5-433NAH	---	---	---	---	
	23050 CSA	0,12	24141000 C19A-23050E5-1653NAH	---	---	---	---	
	01200	1,7	---	27667300 C19B-01200E8N300-7,1NA	27667400 C19B-01200E9N300-7,1NA	27951200 C19B-01200E12-7,1NA	27667500 C19B-01200E13-7,1NA	
	02400	0,83	---	27668200 C19B-02400E8N300-28,8NA	27668300 C19B-02400E9N300-28,8NA	27442600 C19B-02400E12-28,8NA	27667600 C19B-02400E13-28,8NA	
	10600*	0,2	---	---	---	---	---	
	20500**	0,1	---	---	---	---	---	
	12060	0,21	27668500 C19B-12060E5-527NA	---	---	---	---	
	23050	0,11	27668600 C19B-23050E5-2065NA	---	---	---	---	
	Notes: Only specified combinations are available in the table of preferred types. Other designs available at request. * Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz. ** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.							

Coils C19									
Valve type	Voltage [V]	Current [A]	Type of solenoid coil						
			E1	E2	E3	E4	E5	E8	E9
SD2E-B2/S SD2E-B3/S SD2E-B4/S SD3E-B2/S SD1E-A2	01200	2	27669700 C19B-01200E1-6NA	27669900 C19B-01200E2-6NA	27670000 C19B-01200E3-6NA	27670100 C19B-01200E4-6NA	---	27670300 C19B-01200E8N300-6NA	27670400 C19B-01200E9N300-6NA
	02400	0.93	27670600 C19B-02400E1-25,75NA	27670700 C19B-02400E2-25,75NA	27670800 C19B-02400E3-25,75NA	27670900 C19B-02400E4-25,75NA	---	27671000 C19B-02400E8N300-25,75NA	27671100 C19B-02400E9N300-25,75NA
	10600*	0.22	27642600 C19B-10600E1-494NA	---	---	---	---	---	---
	20500**	0.12	27382401 C19B-20500E1-1653NA	---	---	---	---	---	---
PRM2-04 with electronic	12060	0.24	---	---	---	---	27642700 C19B-12060E5-494NA	---	---
	23050	0.13	---	---	---	---	27449900 C19B-23050E5-1653NA	---	---
	01200	max.1,7	16186100 C19A-01200E1-4,98NA/M	---	---	---	---	---	---
PRM2-04 without el.	01200	max.1,7	27821900 C19B-01200E1-4,68NA/M	---	---	---	---	---	---
PRM7-04 with electronic	02400	max.0,8	16186200 C19A-02400E1-21NA/M	---	---	---	---	---	---
PRM7-04 without el.	02400	max.0,8	27824200 C19B-02400E1-20,8NA/M	---	---	---	---	---	---
PVRM1-063/S	01200	max.1	---	---	---	23881200 C19B-01200E4-7,1NA/M	---	---	---
SR4P-B2 SP4P-B3	01200	1	28145500 C19B-01200E1-6,5NA	28145600 C19B-01200E2-6,5NA	28145700 C19B-01200E3-6,5NA	28145800 C19B-01200E4-6,5NA	---	---	---
	02400	0.75	28099000 C19B-02400E1-20,1NA	28145100 C19B-02400E2-20,1NA	28145200 C19B-02400E3-20,1NA	28145300 C19B-02400E4-20,1NA	---	---	---

Coils C20			
Valve type	Voltage [V]	Current [A]	Type of solenoid coil
RPEW4-06	12060	0,27	EW5 16205300 C20D-12060EW5-27,6N/M

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.
 * Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.
 ** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

Coils C22		Type of solenoid coil						
Valve type	Voltage [V]	Current [A]	E1	E2	E3A	E4A	E5	
RPE3-06	01200	2,72	16211400 C22B-01200E1-4,41NA	24156100 C22B-01200E2-4,41NA	24159600 C22B-01200E3A-4,41NA	24159700 C22B-01200E4A-4,41NA	---	
	01400	2,14	24158200 C22B-01400E1-6,55NA	24930900 C22B-01400E2-6,55NA	27662100 C22B-01400E3A-6,55NA	27662200 C22B-01400E4A-6,55NA	---	
	02400	1,29	16211600 C22B-02400E1-18,6NA	24157400 C22B-02400E2-18,6NA	24159800 C22B-02400E3A-18,6NA	24159900 C22B-02400E4A-18,6NA	---	
	02700	1,07	16211700 C22B-02700E1-25,3NA	24157600 C22B-02700E2-25,3NA	19744600 C22B-02700E3A-25,3NA	19744500 C22B-02700E4A-25,3NA	---	
	10600*	0,26	24157800 C22B-10600E1-400NA	---	---	---	---	
	20500**	0,15	16211500 C22B-20500E1-1400NA	---	---	---	---	
	11550	0,3	---	---	---	---	27510100 C22B-11550E5-344NA	
	12060	0,26	---	---	---	---	---	
	23050	0,15	---	---	---	---	18849000 C22B-23050E5-1400NA	
	01200 CSA	2,72	24154300 C22A-01200E1-4,41NAH	---	---	---	---	---
02400 CSA	1,29	24154400 C22A-02400E1-18,6NAH	---	---	---	---	---	
23050 CSA	0,15	---	---	---	---	24154600 C22A-23050E5-1393NAH		
SD2E-B2/H SD2E-B3/H SD2E-B4/H SD3E-B2/H	01200	1,83	27222400 C22B-01200E1-6,55NA	27222500 C22B-01200E2-6,55NA	27222600 C22B-01200E3A-6,55NA	27222700 C22B-01200E4A-6,55NA	---	
	02400	0,95	27222800 C22B-02400E1-25,3NA	27222900 C22B-02400E2-25,3NA	27223000 C22B-02400E3A-25,3NA	27223100 C22B-02400E4A-25,3NA	---	
	10600*	0,19	27223200 C22B-10600E1-545NA	---	---	---	---	
	20500**	0,09	24160100 C22B-20500E1-2353NA	---	---	---	---	
	12060	0,19	---	---	---	---	20004100 C22B-12060E5-545NA	
	23050	0,09	---	---	---	---	20004200 C22B-23050E5-2353NA	
	---	---	---	---	---	---	---	

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.

* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

Coils C22

Valve type	Voltage [V]	Current [A]	Type of solenoid coil				
			E8	E9	E12	E13	
RPE3-06	01200	2,72	19961300 C22B-01200E8N300-4,41NA	19961400 C22B-01200E9N300-4,41NA	24930801 C22B-01200E12-4,41NA	19695100 C22B-01200E13-4,41NA	
	01400	2,14	27662500 C22B-01400E8N300-6,55NA	27662900 C22B-01400E9N300-6,55NA	27663000 C22B-01400E12-6,55NA	27663100 C22B-01400E13-6,55NA	
	02400	1,29	19961000 C22B-02400E8N300-18,6NA	19961700 C22B-02400E9N300-18,6NA	19695900 C22B-02400E12-18,6NA	19696000 C22B-02400E13-18,6NA	
	02700	1,07	27662700 C22B-02700E8N300-25,3NA	27662800 C22B-02700E9N300-25,3NA	27663200 C22B-02700E12-25,3NA	27663300 C22B-02700E13-25,3NA	
	SD2E-B2/H	01200	1,83	19963200 C22B-01200E8N300-6,55NA	19963400 C22B-01200E9N300-6,55NA	18815601 C22B-01200E12-6,55NA	19909000 C22B-01200E13-6,55NA
	SD2E-B3/H	02400	0,95	19963500 C22B-02400E8N300-25,3NA	18069900 C22B-02400E9N300-25,3NA	19909101 C22B-02400E12-25,3NA	19909200 C22B-02400E13-25,3NA

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.

* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

Coils C22						
Valve type	Voltage [V]	Current [A]	Type of solenoid coil			
			E1	E3A	EW1	EW2
RPEA3-06	02400	0,33	---	---	24014000 C22C-02400EW1-72NA/M	---
	01200	2,72	---	---	16205100 C22C-01200EW1-4,54NA/M	16205400 C22C-01200EW2-4,54NA/M
RPEW4-06	02400	1,26	---	---	16205000 C22C-02400EW1-18,2NA/M	16205500 C22C-02400EW2-18,2NA/M
	10600	0,27	---	---	24154700 C22C-01200EW1-4,54NAH/M	---
	01200 CSA	2,64	---	---	24154900 C22C-02400EW1-18,2NAH/M	---
	01200	max 2,5	16186400 C22A-01200E1-2,33NA	---	---	---
PRM2-06	01200	max 1,6	16187500*** C22A-01200E1-5,15NA	---	---	---
	02400	max 1	16186800 C22A-02400E1-13,4NA	---	---	---
	01200	max 2,5	16186400 C22A-01200E1-2,33NA	---	---	---
PRM7-06	02400	max 1	16186800 C22A-02400E1-13,4NA	---	---	---
	01200	max 1,5	---	24157900 C22B-01200E3A-5NA	---	---

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.

* Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.

** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

*** Input signal level for 12V-electronics.

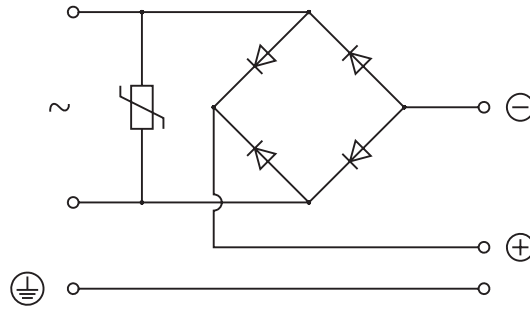
Coils C31

Valve type	Type of solenoid coil									
	Voltage [V]	Current [A]	E1	E2	E3	E4	E5	E8	E9	EW1
RPE4-10	01200	3,17	16195700 C31A-01200E1-3,78FA	27660800 C31A-01200E2-3,78FA	16197000 C31A-01200E3-3,78FA	16196900 C31A-01200E4-3,78FA	---	16198800 C31A-01200E8N300-3,78FA	23910200 C31A-01200E9N300-3,78FA	---
	01400	2,98	16195900 C31A-01400E1-4,73FA	27660900 C31A-01400E2-4,73FA	27661100 C31A-01400E3-4,73FA	27661200 C31A-01400E4-4,73FA	---	27661500 C31A-01400E8N300-4,73FA	27661600 C31A-01400E9N300-4,73FA	---
	02400	1,73	16196100 C31A-02400E1-13,9FA	23896000 C31A-02400E2-13,9FA	16197200 C31A-02400E3-13,9FA	16197100 C31A-02400E4-13,9FA	---	23904500 C31A-02400E8N300-13,9FA	23910300 C31A-02400E9N300-13,9FA	---
	02700	1,52	16196300 C31A-02700E1-17,8FA	27661000 C31A-02700E2-17,8FA	27661300 C31A-02700E3-17,8FA	27661400 C31A-02700E4-17,8FA	---	27661700 C31A-02700E8N300-17,8FA	27662000 C31A-02700E9N300-17,8FA	---
	10600*	0,38	23898000 C31A-10600E1-276FA	---	---	---	---	---	---	---
	20500**	0,2	16196700 C31A-20500E1-1027FA	---	---	---	---	---	---	---
	12060	0,38	---	---	---	---	17366300 C31A-12060E5-276FA	---	---	---
	23050	0,2	---	---	---	---	16195100 C31A-23050E5-1027FA	---	---	---
	01200	3,17	---	---	---	---	---	---	---	24172000 C31A-01200EW1-3,78FAM
	02400	1,73	---	---	---	---	---	---	---	24172200 C31A-02400EW1-13,9FAM
16000	0,38	---	---	---	---	---	---	---	24172400 C31A-10600EW1-276FAM	
01200	max 1,9	16195600 C31A-01200E1-4,73FA	---	---	---	---	---	---	---	
02400	max 1,1	16196200 C31A-02400E1-13,9FAM	---	---	---	---	---	---	---	

Notes: Only specified combinations are available in the table of preferred types. Other designs available at request.
 * Coil versions 106 are suitable for the rectified voltage of 120V / 60Hz.
 ** Coil version 205 are suitable for the rectified voltage of 230V /50Hz.

Rectifier Connection in the Coil with "E5" Connector

In-built bridge rectifier for the maximum output voltage $253 V_{eff}$
 Voltage frequency 50 – 60 Hz. Varistor for $275 V_{eff}$



Dimensions of Coils C13

dimensions in mm

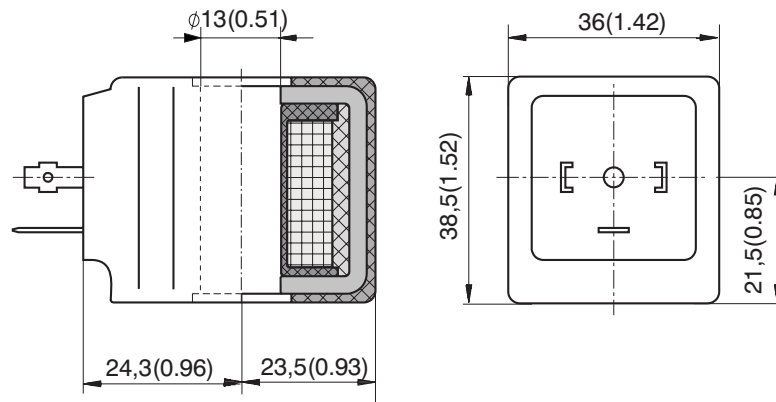
Design version - D

Connector design

E1 (Connector EN 175301-803-A)

E2 (Connector E1 with quenching diode)

Protection degree IP65

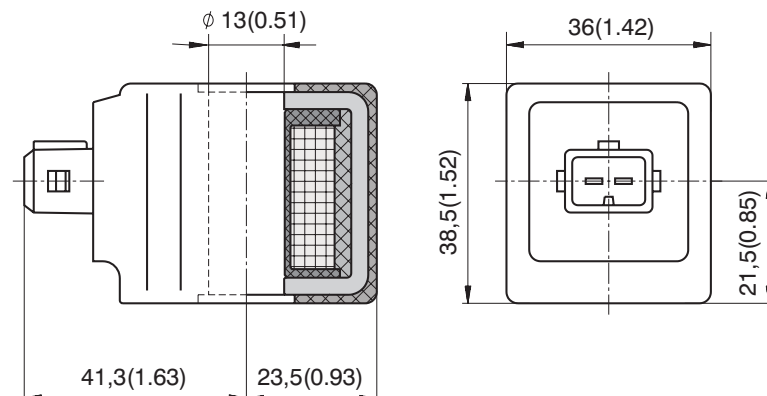


Connector design

E3 (Connector AMP Junior Timer (2 pins; male))

E4 (E3 with quenching diode)

Protection degree IP65



Dimensions of Coils C13

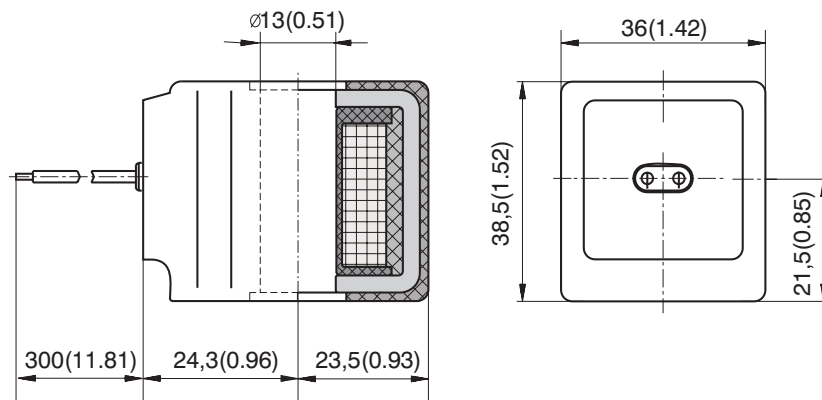
dimensions in mm

Design version - D

Connector design

E8 (Loose conductors (two insulated cables))

E9 (E8 with quenching diode)

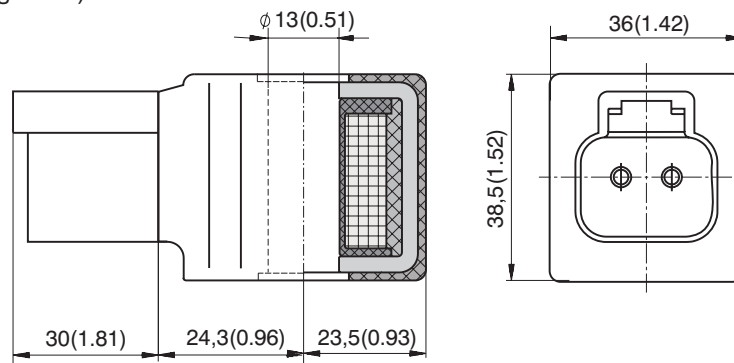


Connector design

E12 (Deutsch DT04-2P)

E13 (E12 with quenching diode)

Protection degree IP67



Dimensions of Coils C14

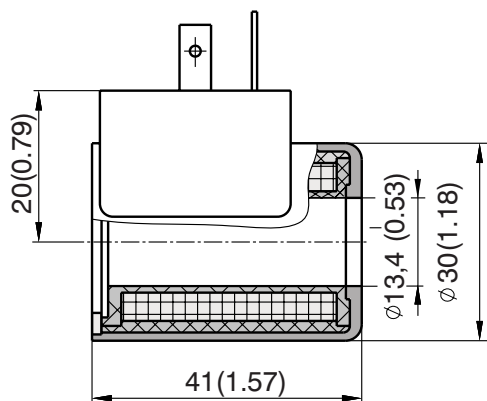
dimensions in mm

Design version - B

Connector design

E1 (Connector EN 175301-803-A)

Protection degree IP65

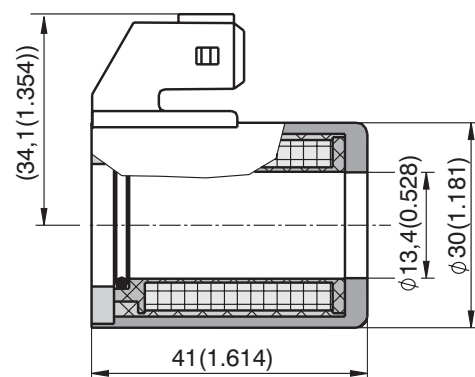


Connector design

E3A (Connector AMP-Junior-Timer - (2-pins; male)

E4A (E3A with quenching diode)

Protection degree IP67



Dimensions of Coils C19

dimensions in mm

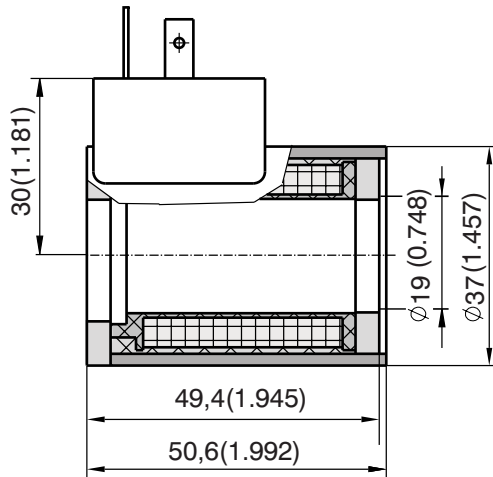
Design version - A

Connector design

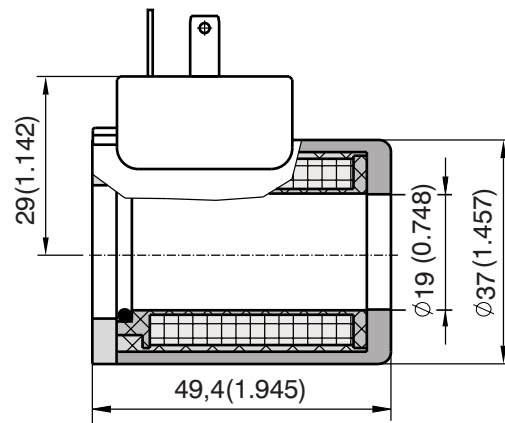
E1 (Connector EN 175301-803-A)

E2 (E1 with quenching diode)

Protection degree IP65



Design version - B



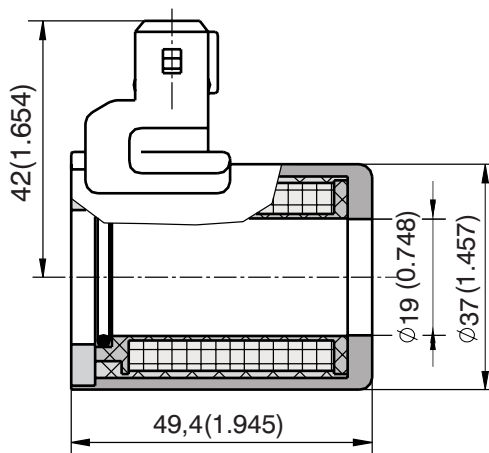
Design version - B

Connector design

E3 (Connector AMP-Junior-Timer - (2-pins; male)

E4 (E3 with quenching diode)

Protection degree IP67



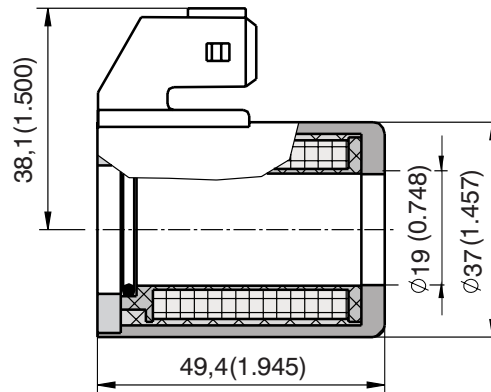
Design version - B

Connector design

E3A (Connector AMP-Junior-Timer - (2-pins; male)

E4A (E3A with quenching diode)

Protection degree IP67



Dimensions of Coils C19

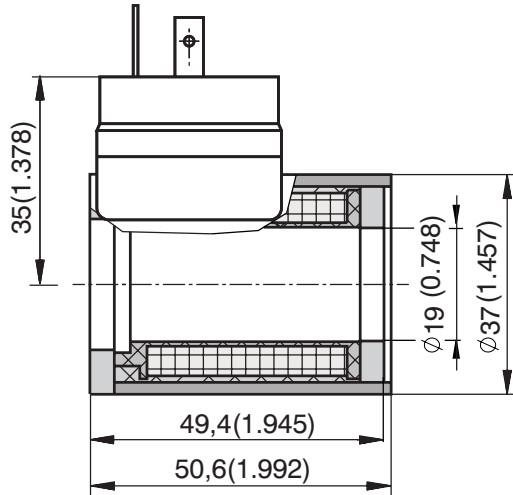
dimensions in mm

Design version - A

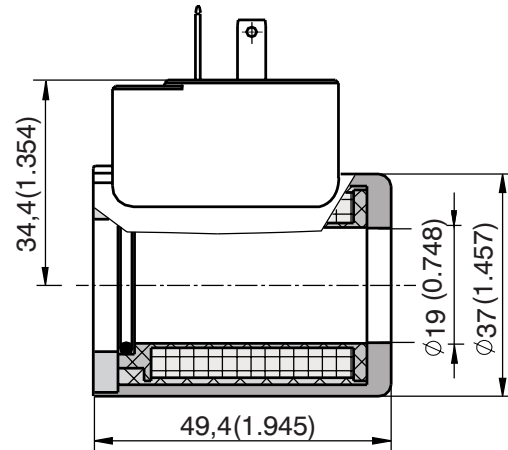
Connector design

E5 (Connector EN 175301-803-A with integrated rectifier)

Protection degree IP67



Design version - B

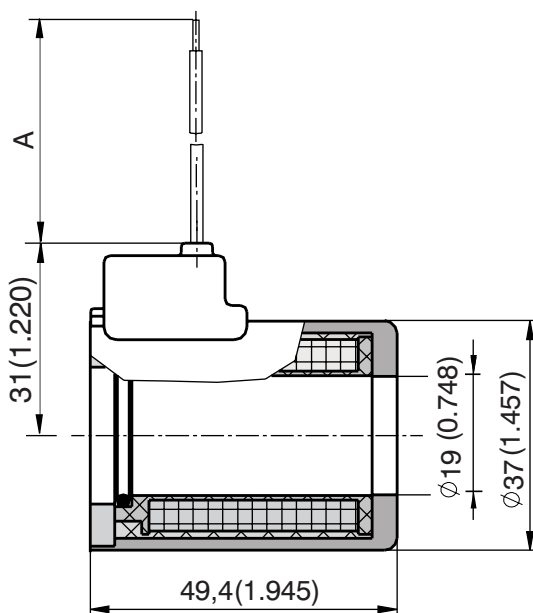


Design version - B

Connector design

E8 (Loose conductors (two insulated cables))

E9 (E8 with quenching diode)



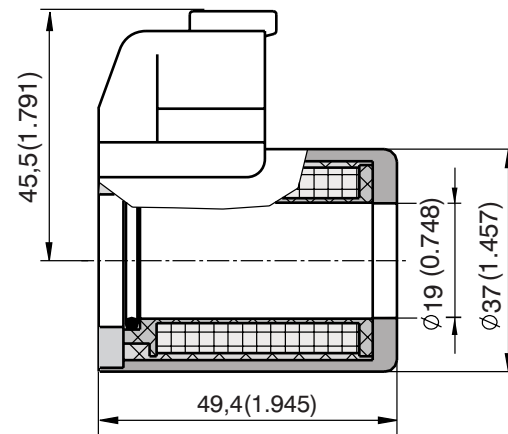
Design version - B

Connector design

E12 (Deutsch DT04-2P)

E13 (E12 with quenching diode)

Protection degree IP67



Note:

A = Standard 300 mm, other sizes on demand

Dimensions of Coils C20

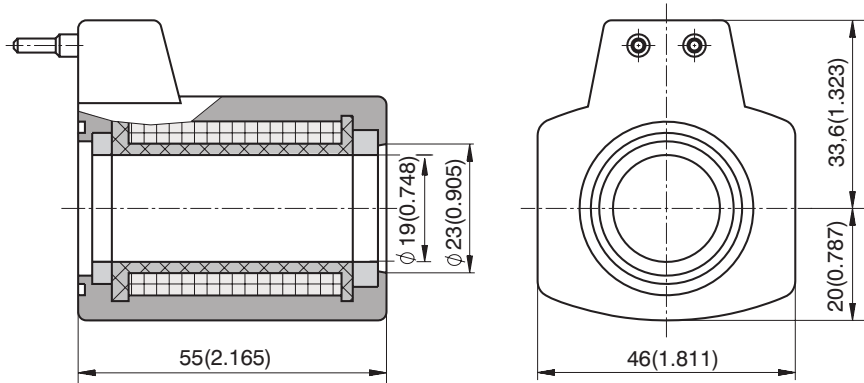
dimensions in mm

Design version - D

Connector design

EW5 - (Wirebox)

Protection degree IP65



Dimensions of Coils C22

dimensions in mm

Design version - A

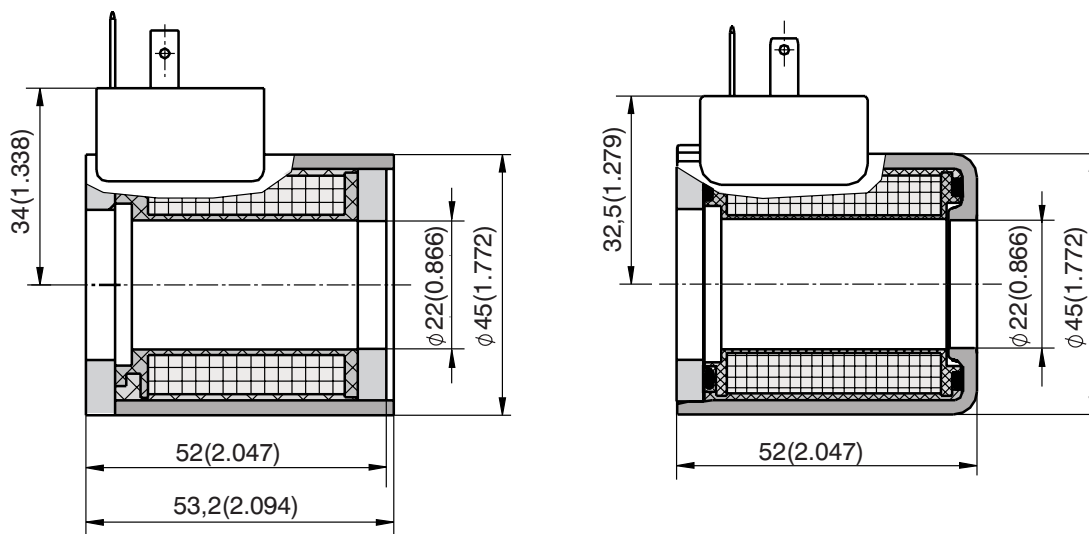
Design version - B

Connector design

E1 (E1 = Connector EN 175301-803-A)

E2 (E2 = E1 with quenching diode)

Protection degree IP65



Dimensions of Coils C22

dimensions in mm

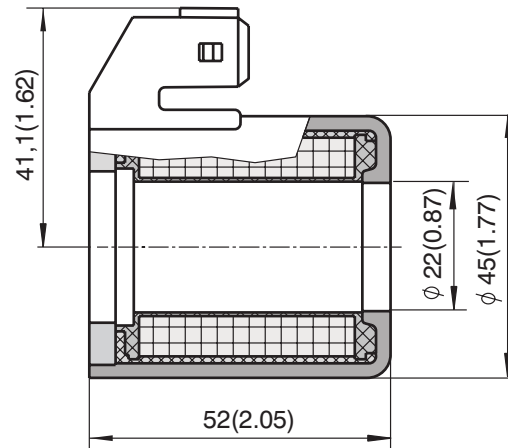
Design version - B

Connector design

E3A (Axial connector AMP Junior Timer (2 pins; male))

E4A (E3A with quenching diode)

Protection degree IP67

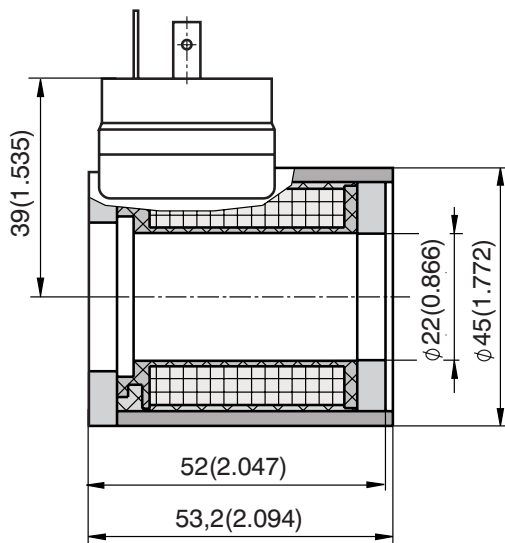


Design version - A

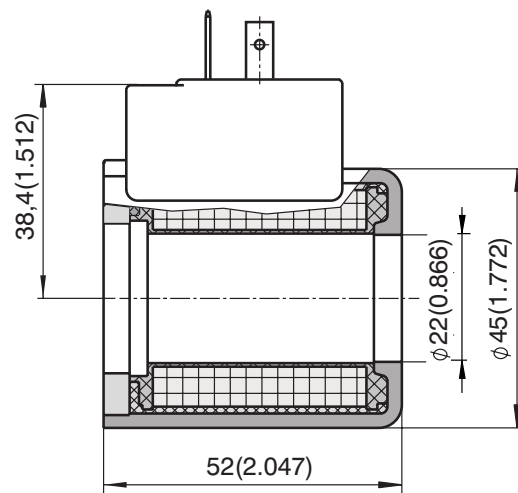
Connector design

E5 (Connector EN 175301-803-A with integrated rectifier)

Protection degree IP65



Design version - B



Dimensions of Coils C22

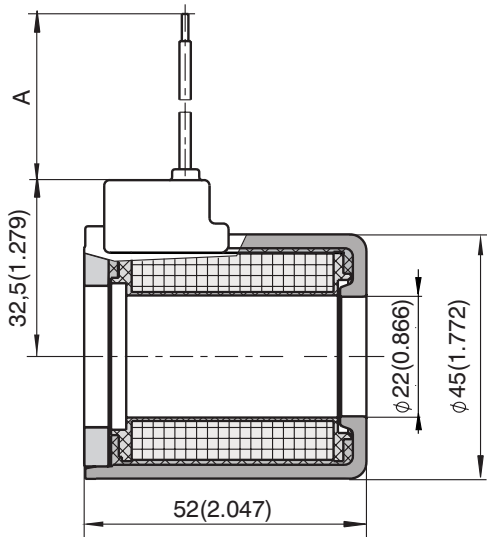
dimensions in mm

Design version - B

Connector design

E8 (Loose conductors (two insulated cables))

E9 (E8 with quenching diode)



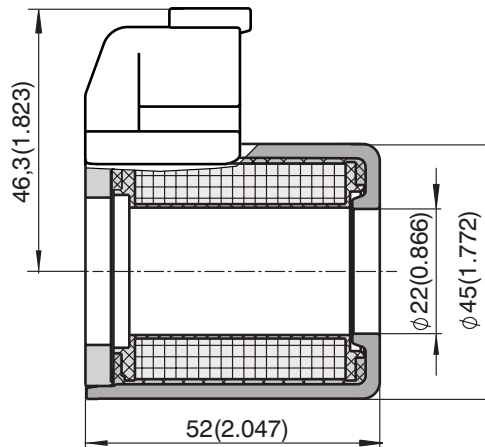
Design version - B

Connector design

E12 (Deutsch DT04-2P)

E13 (E12 with quenching diode)

Protection degree IP67



Note:

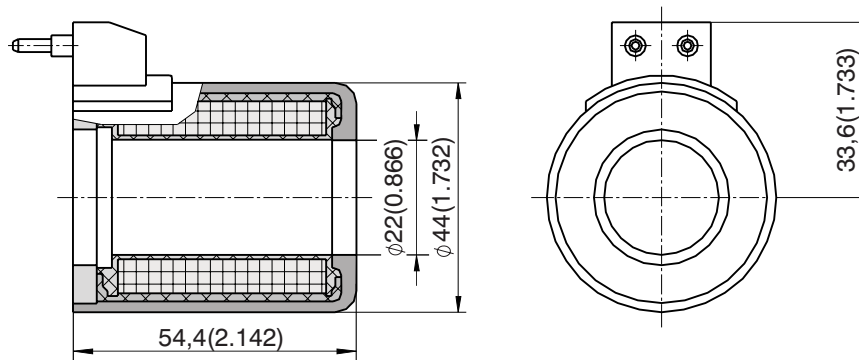
A = Standard 300 mm, other sizes on demand

Design version - C

Connector design

EW1 - (wirebox)

EW2 - (E3 with quenching diode)



Dimensions of Coils C31

dimensions in mm

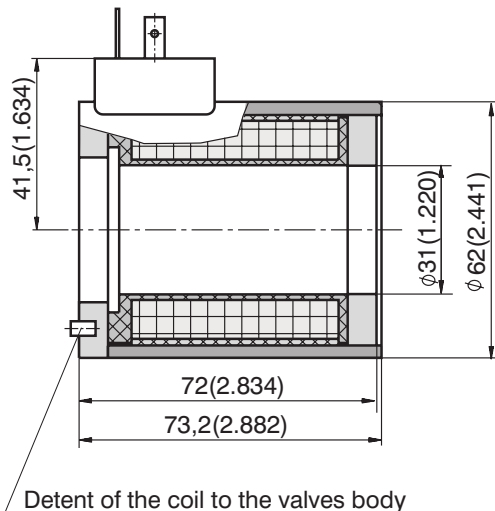
Design version - A

Connector design

E1 (Connector EN 175301-803-A)

E2 (E1 with quenching diode)

Protection degree IP65



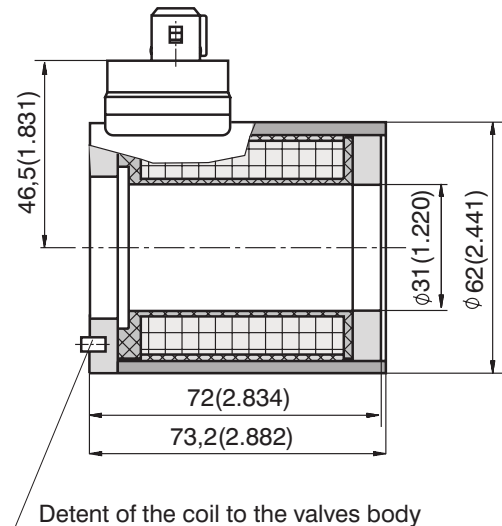
Design version - A

Connector design

E3 (Connector AMP-Junior-Timer - (2-pins; male)

E4 (E3 with quenching diode)

Protection degree IP67

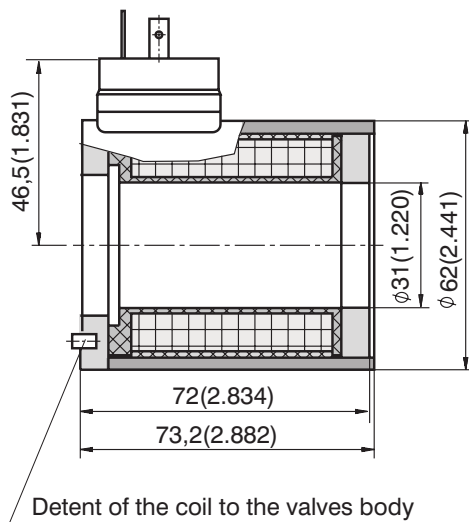


Design version - A

Connector design

E5 (Connector EN 175301-803-A with integrated rectifier)

Protection degree IP65

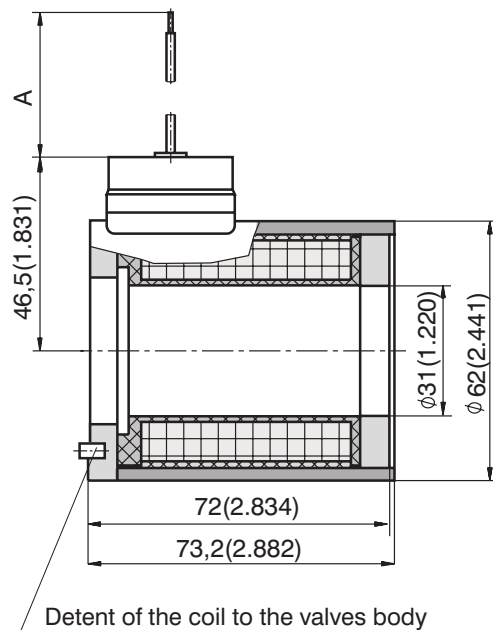


Design version - A

Connector design

E8 (Loose conductors (two insulated cables))

E9 (E8 with quenching diode)



Note:

A = Standard 300 mm, other sizes on demand

Dimension of Coils C31

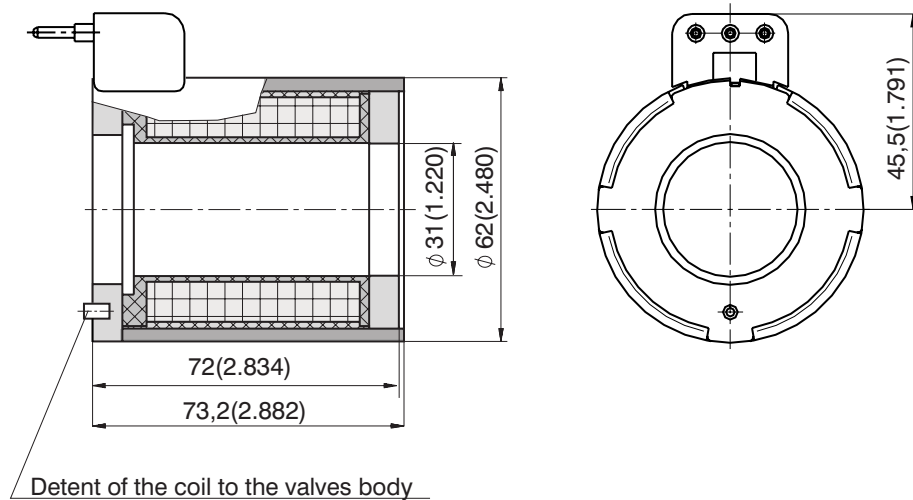
dimensions in mm

Design version - A

Connector design

EW1 - (Wirebox)

Protection degree IP65



Identification and Survey of the Offered Connectors

Connector	Connector description
E1	Connector EN 175301-803-A
E2	Connector E1 with quenching diode
E3	Connector AMP Junior Timer (2 pins; male)
E4	Connector E3 with quenching diode
E3A	Axial connector AMP Junior Timer (2 pins; male)
E4A	Connector E3A with quenching diode
E5	Connector EN 175301-803-A with integrated rectifier
E51	Connector EN 175301-803-A with integrated recifier and fast disconnection
E6	Connector Kostal
E7	Connector E6 with quenching diode
E8	Loose conductors (two insulated cables)
E9	E8 with quenching diode
E10	Loose conductors and Deutsch connector DT04-2P (2 pins; male)
E11	E10 with quenching diode
E12	Connector Deutsch DT04-2P (2 pins; male)
E13	Connector E12 with quenching diode
E14	Connector Spade
E15	Connector E14 with quenching diode
E16	Loose conductors and Metri-Pack connector Series 150 (2 pins; male)
E17	Connector E16 with quenching diode
E18	Loose conductors and Weather-Pack connector (2 pins; male)
E19	Connector E18 with quenching diode
E20	Loose conductors and Weather-Pack connector (2 pins; male)
E21	Connector E20 with quenching diode
E22	Loose conductors and Econoseal connector (2 pins; male)
E23	Connector E22 with quenching diode
E24	Loose conductors and AMP Junior Timer (2 pins; male)
E25	Connector E24 with quenching diode
EW1	Konektor for Wirebox
EW2	Connector EW1 with quenching diode
EW5	Connector for Wirebox (AC coil)

Survey of Available Connectors and Coils

Connector	Coil design								
	C13D	C14B	C19A	C19B	C20D	C22A	C22B	C22C	C31A
E1	X	X	X	X		X	X		X
E2	X	X	X	X		X	X		X
E3	X			X					X
E3A				X			X		
E4	X			X					X
E4A				X			X		
E5				X			X		X
E51				X			X		X
E6									
E7									
E8	X			X			X		X
E9	X			X			X		X
E10	X			X			X		X
E11	X			X			X		X
E12	X			X			X		
E13	X			X			X		
E14									
E15									
E16	X			X			X		X
E17	X			X			X		X
E18	X			X			X		X
E19	X			X			X		X
E20	X			X			X		X
E21	X			X			X		X
E22	X			X			X		X
E23	X			X			X		X
E24	X			X			X		X
E25	X			X			X		X
EW1								X	X
EW2								X	X
EW5					X				

All versions are available with loose conductors (E8 a E9) eventually with loose conductors + connector.
(E10; E11; E16; E17; E18; E19; E20; E21; E23; E24 a E25) conductors can be protected with braiding (B).

Caution!

- The packaging foil can be recycled.
- All stated data serve for the product description only and in no case should be understood as features guaranteed in terms of law.

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e-mail: sales.cz@argo-hytos.com
www.argo-hytos.com

p_{max} up to 400 bar (5801 PSI)

- Electronic pressure switch TSE**
 - To monitor the pressure in the circuit and the signalisation switching after reaching pre-set pressure values
 - Stainless steel diaphragm and piezoelectric sensor
 - Compact design in rugged housing
 - FKM seal material (Fluorelastomer)

- Electronic pressure switch TSE**
 - The electronic housing can be rotated in the range of 320°
The sensor body is made of steel, and the electronics housing is made of polyamide PA6.

Design:

- One switching output with adjustable hysteresis
- Two switching outputs (with the hysteresis of approximately 15%)



- Electronic pressure switch TSE-D**
 - The sensor body is made of stainless steel, and the electronics housing is casted of aluminium alloy
 - The display for continuous display of measured pressure values
 - Units' selection for displayed pressure value
 - Possibility of locking the control buttons
 - Selectable time delay setting for contacts closing / opening

Design:

- A switching output with adjustable hysteresis and one analogue output with adjustable value measuring range limits
- Two switched outputs with adjustable hysteresis

Functional Description

Digital pressure switch is used to monitor pressure in the hydraulic or pneumatic circuit and for switching a signalization when the set pressure value is reached. The measuring member is a membrane made of stainless steel. Deflection of the membrane caused by the pressure of the working fluid causes deformation of the piezoelectric sensor. Deformation of a silicon wafer

causes the creation of polarized charge (piezoelectric effect). The resulting voltage on the sensor is proportional to the size of the operating pressure.

In addition the TSE-D switch design features a digital indicator of the instantaneous pressure in the circuit.

Order Code

TSE - - -

Pressure switch

400

Pressure range
Pressure range 0-400 bar* (0-5801 PSI)
*Other pressure degree on demand

Design

without Display
with Display

N
D

1

Switching output
1 Switching output
- TSE-N - 1 output with adjustable hysteresis
- TSE-D - 1 solid state and 1 analog output

2

2 Switching outputs
- TSE-N - 2 outputs with 15% hysteresis
- TSE-D - 2 outputs with adjustable hysteresis

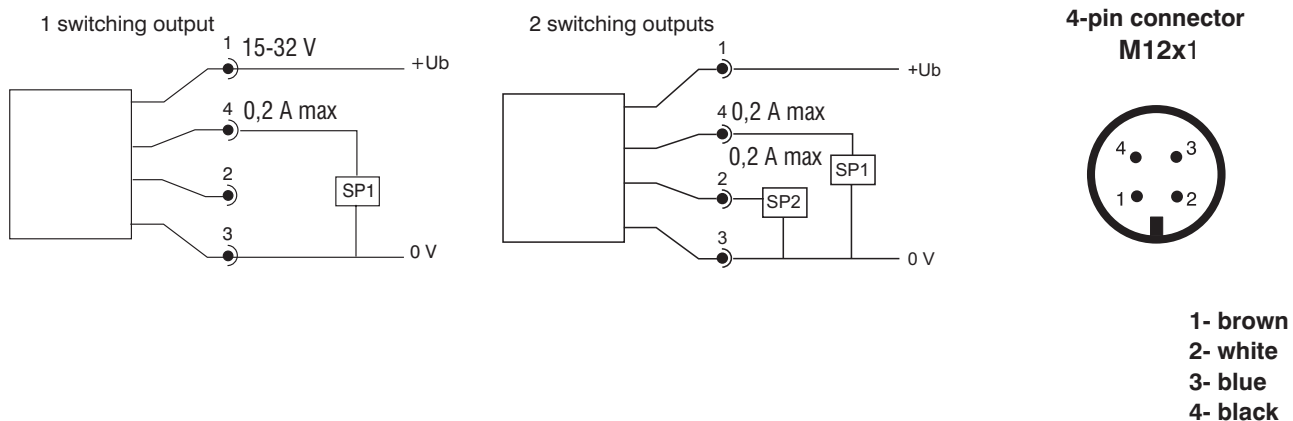
Technical data

Switch design		N	D
Connecting thread		G1/4	
Measuring range	bar (PSI)	0 - 400 (0 - 5801)	
Working fluid		Mineral oil of performance classes HL, HLP (DIN 51524)	
Working fluid temperature	°C (°F)	-10... +70 (+14 ... +158)	
Ambient temperature	°C (°F)	-25... +100 (-13 ... +212)	
Electronics operating temperature	°C (°F)	-25... +80 (-13 ... +176)	-10... +70 (+14 ... +158)
Electric protection (EN 60529)		IP 65	
Degree of protection		III	
Measurement error due to temperature		± 0,2% of the measurement range	
Measurement repeatability	%	+/- 1 of the measuring range	+/- 0,1 of the measuring range
Weight	g (lbs)	ca. 150 (0.33)	ca. 200 (0.44)

Electrical Parameters

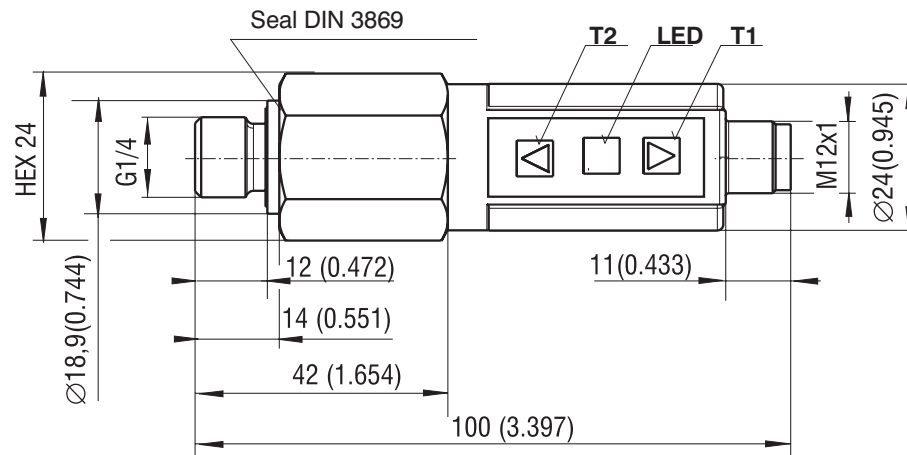
Power supply	V DC	15 ... 32	
Power supply connector		4- pin connector, M12x1	
Switching contact (PNP transistor)		max. 200 mA, 100 Hz	max. 500 mA, 100 Hz
Adjustable delayed contacts closing / opening	s	---	0,0 ... 9,9
Measurement frequency	s ⁻¹	200	
Analog output			
Current	mA	4 ... 20	
Maximum load	mA	max. RI = (Ub-12 V) / 20 mA RI = 600 Ohm at Ub = 24V DC	
Load influence		0,3 % / 100 Ω	
Value update frequency	ms	5	
Output voltage	V DC	0 ... 10	
Max. load current	mA	max. 10	
Adjustable range	%	25 .. 100 % of measurement range	
Display		3-character LED red, characters height 100 mm	
Power supply:	mA	50 (no load)	
Maximum vibration level		10 g / 20 - 200 Hz	
Maximum shock level		100 g / 11 ms	

Electrical connection scheme - TSE-N



Valve Dimension

Dimensions in millimeters (inches)

**Programming pressure switch TSE-N****a) The switch with one adjustable pressure value for closing and adjustable hysteresis**

Programming activation	Press both buttons (T1, T2) for 4 seconds.	LED flashes red and green in turns for 12 seconds, during which time it is possible to set the required value. Then the switch returns to standard mode and the LED lights up green.
Setting the pressure value at contact (SP) closing	Press button T1 for 4 seconds. The pressure switch takes over the current circuit pressure value.	LED lights up red for 4 seconds. LED flashes red three times, then the new value is stored in the memory. LED then lights up green.
Setting the pressure value at contact (RS) opening	Press button T2 for 4 seconds. The pressure switch takes over the current circuit pressure value.	LED lights up green for 4 seconds. LED flashes green three times, then the new value is stored in the memory. LED then lights up green.
Cancelling the set pressure value at contact (SP) closing	Connect the pressure switch to power supply while the button T1 is pressed. Press buttons T1 and T2 for 4 seconds.	LED flashes for 12 seconds in red – green at ratio 1:3. LED then lights up green.
Cancelling the set pressure value at contact (RS) closing	Connect the pressure switch to power supply while the button T2 is pressed. Press buttons T1 and T2 for 4 seconds.	LED flashes for 12 seconds in green - red at ratio 1:3. LED then lights up green.
Error message		LED flashes green and red in turn

Note:

Power supply connections is indicated by green luminous LED. Contacts closing is not indicated visually.

- for switching on function at rising pressure select SP > RS

- for switching on function at dropping pressure select SP < RS

Programming pressure switch TSE-N

b) Switch with two adjustable closing pressure values

Programming activation	Press both buttons (T1, T2) for 4 seconds.	LED flashes red and green in turns for 12 seconds, during which time it is possible to set the required value. Then the switch returns to standard mode and the LED lights up green.
Setting 1. pressure value for contact (SP1) closing	Press button T1 for 4 seconds. The pressure switch takes over the current pressure value in the circuit.	LED lights up red for 4 seconds. LED flashes red three times, then the new value is stored in the memory. LED then lights up green.
Setting 2. pressure value for contact (SP2) closing	Press button T1 for 4 seconds. The pressure switch takes over the current pressure value in the circuit.	LED lights up green for 4 seconds. LED flashes green three times, then the new value is stored in the memory. LED then lights up green.
Cancelling setting 1. pressure value for contact (SP1) closing	Connect the pressure switch to power supply while the button T1 is pressed. Press buttons T1 and T2 for 4 seconds.	LED flashes for 12 seconds in red – green at ratio 1:3. LED then lights up green.
Cancelling setting 2. pressure value for contact (SP2) closing	Connect the pressure switch to power supply while the button T2 is pressed. Press buttons T1 and T2 for 4 seconds.	LED flashes for 12 seconds in green - red at ratio 1:3. LED then lights up green.
Error message		LED flashes green and red in turn

Note:

Contacts' opening hysteresis 15%; using switching on function at rising pressure

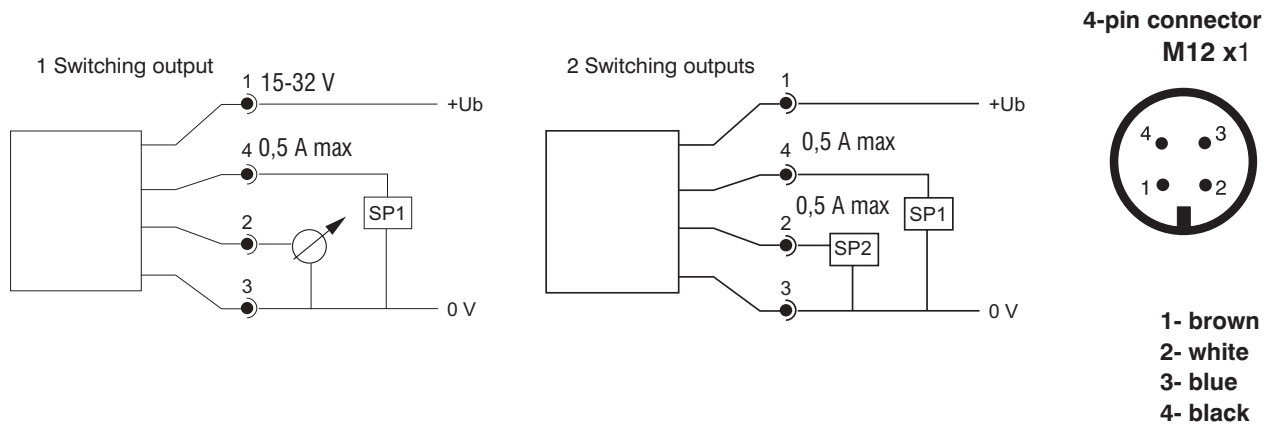
Order number

Pressure ranges	0 ... 400 bar (0 ... 5801 PSI)
1 Switching output with adjustable hysteresis	27878300
2 Switching outputs with 15% hysteresis	27940400

Accessories

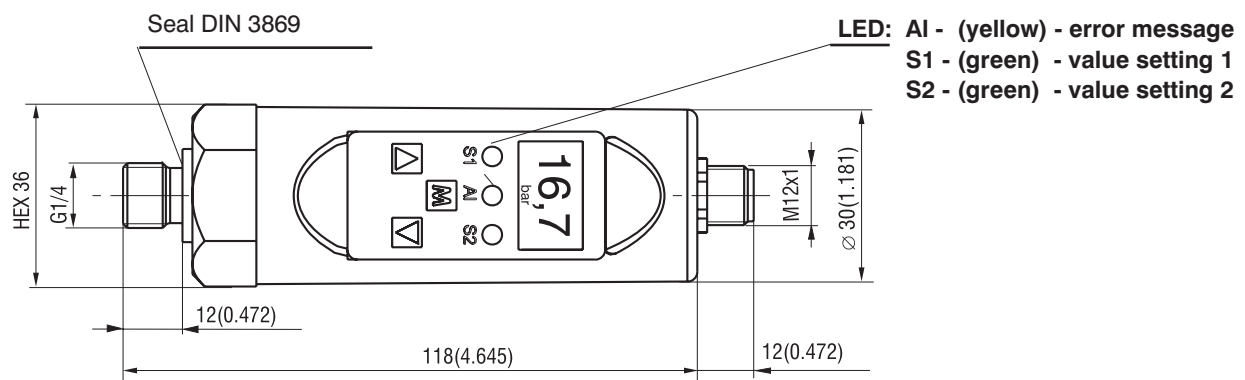
Description	Order number
Plug connector M12x1, 4-pinns, with screw terminals, foldet	27940900
Plug connector M12x1, 4-pinns, with screw terminals, straight	27940800

Electrical connection scheme - TSE-D



Valve dimensions

dimensions in millimeters (inches)



Programming pressure switch TSE-D

1	Entering the menu	After switching on the power supply press button M to enter parameters and functions menu.
2	Dialogue window change	Locate the desired function / parameters setting using the arrow keys. (See table 2. for displayed functions' codes)
3	Activating the dialogue window to set a value or to select a function	Activate the selected dialogue window by pressing button M to perform the required change of value or function.
4	Value setting	Select individual digits using button M (the active position is flashing). Set the numerical value using the arrow keys and confirm with button M. If the value is outside the allowed range the system will return to the previous value.
5	Function setting	Select a function (i.e. the measured values unit) using the buttons and confirm the selection with the button M.
6	Activating the buttons lock	Press both arrow keys simultaneously for 5 seconds. During this period the value on the display must not change. After the lock is active the display will show "Lu0".
7	Lock is active	The value or the function is shown on the display, but it cannot be changed. The display will read "LOK" when an attempt is made to change the value displayed.
8	Buttons lock deactivation	Press both arrow keys simultaneously for 5 seconds. During this period the value on the display must not change. After the lock is active the display will show "Lu0". After deactivating the lock the display will show a message reading "Lu2".
9	Programming exit	Press the button M for 5 seconds. The switch will return to the measurement mode.
10	Automatic return to measuring mode	After two minutes from the last setting the switch will automatically return to the measurement mode. Unconfirmed changes will be ignored.

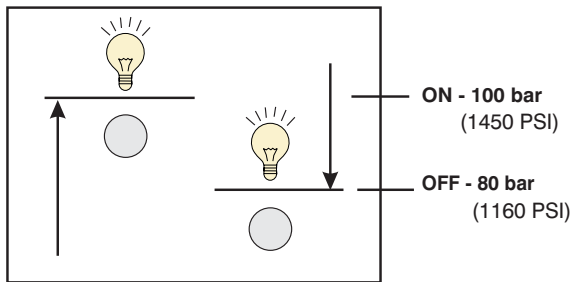
List of menu items		
Symbol	Value	Function Description
	0 400 (0 ... 5801)	Display shows the current measured pressure value
ACt		After pressing the M button the switch signals entry to menu and the possibility of a new setting - update. Now you can use the arrow keys to navigate the menu.
S I		Selecting units for displayed values nbr = mbar PSH = PSI x 10 hPo = hPa bor = bar PS I = PSI nPo = MPa
Und		Showing unit on display on = the displaying is activated (the unit is displayed after 30 seconds) oFF = showing the unit on the display is switched off.
SP I		Switch function selection u In = window technology Contacts SP1 are closed in the set values' interval of the ON1 - OF1, when the function HFS is set, or are disabled in this interval when the function LFS is set. Std = standard evaluation The contacts SP1 close when the preset value ON1 is reached and open when the pressure drops to the pre-set value of OF1 provided the function HFS is set. When the function LFS is set the contacts SP1 are closed until the value ON1 is reached, when they open. When the pressure drops to the value OF1 they close again. Err = erroneous output (removal of contacts from activity).
on I	0 ...XXX	Setting the pressure value to close the contact SP1 .
OF I	0 ...XXX	Setting the pressure value to open the contact SP1 .
dS I	0.0 s9.9 s	Setting the contact SP1 closure time delay in seconds after reaching the pre-set pressure value.
dr I	0.0 s9.9 s	Setting the contact SP1 time delay for its opening in seconds after reaching the pre-set pressure value.
Iu I		SP1 switch output function exchange HFS (high-level-fail-save) – contact SP1 closes after reaching the upper limit of the pressure value. LFS (low-level-fail –save) – contact SP1 closes after pressure drops to its lower limit.
Note: After changing the units from PSI to Bars and vice versa it is necessary to set the contacts' closing and opening values.		
Only for types with two closing contacts		
SP 2		Switch function selection u In = window technology Contacts SP2 are closed in the set values' interval of the ON2 - OF2, when the function HFS is set, or are disabled in this interval when the function LFS is set. Std = standard evaluation The contacts SP2 close when the preset value ON2 is reached and open when the pressure drops to the pre-set value of OF2 provided the function HFS is set. When the function LFS is set the contacts SP2 are closed until the value ON1 is reached, when they open. When the pressure drops to the value OF2 they close again. Err = erroneous output (removal of contacts from activity).
on 2	0 ...XXX	Setting the pressure value to close the contact SP2 .
OF 2	0 ...XXX	Setting the pressure value to open the contact SP2 .
dS 2	0.0 s9.9 s	Setting the contact SP2 closure time delay in seconds after reaching the pre-set pressure value.
dr 2	0.0 s9.9 s	Setting the contact SP1 time delay for its opening in seconds after reaching the pre-set pressure value.
Iu 2		SP2 switch output function exchange HFS (high-level-fail-save) – contact SP2 closes after reaching the upper limit of the pressure value. LFS (low-level-fail –save) – contact SP2 closes after pressure drops to its lower limit.

Oly for types with analogue output		
A02	0 ...XXX	Analogue output range setting - initial values (i.e. 0 bar = 4 mA)
R0F	0 ...XXX	Analogue output range setting – final values (i.e. 400 bar [5801 PSI] = 20 mA) (If the pressure drops below 25% of the measurement range the analogue output disconnects.)
nAH	0 ...XXX	The highest value " Max " display (maximum of 125% of the range)
CLr		Deleting the stored maximum value NO = do not delete YES = deletion confirmation
Err		Erros messages OH = no error nAH = measurement range in the positive direction exceeded n In = measurement range in the negative direction exceeded SEn = sensor error SP 1 = switched output 1 error SP2 = switched output 2 error dAt = data error PrC = program error CAL = calibration error Ono = analog output error
<p>Note: After changing the units from PSI to Bars and vice versa it is necessary to set the contacts' closing values again.</p>		
Order number		
Pressure ranges		0 ... 400 bar (0 ... 5801 PSI)
1 switching output and 1 analogue output 4 ... 20mA		27878600
2 switching outputs		27878500
Accesories		
Description		Order number
Adapter G1/4 male thread IG G1/4 for optimum alignment of pressure switch		27885100
Plug connector M12x1,4-pinns, with screw terminals, folded		27940900
Plug connector M12x1,4-pinns, with screw terminals, straight		27940800

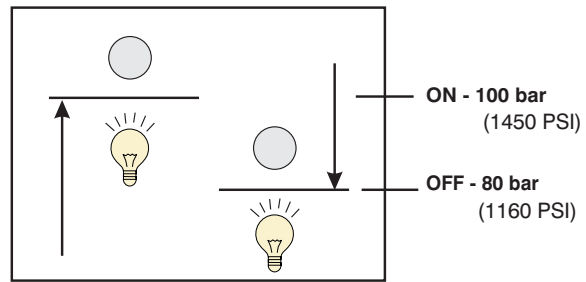
Output function exchange

Standard evaluation for contacts SP1 A SP2

Output function HFS

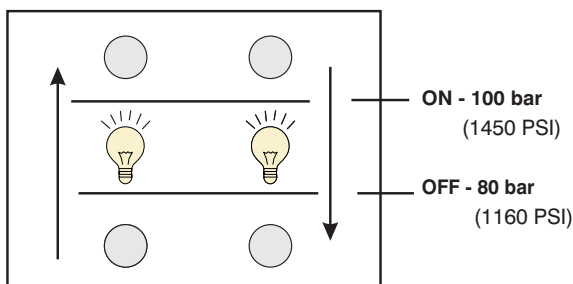


Output function LFS

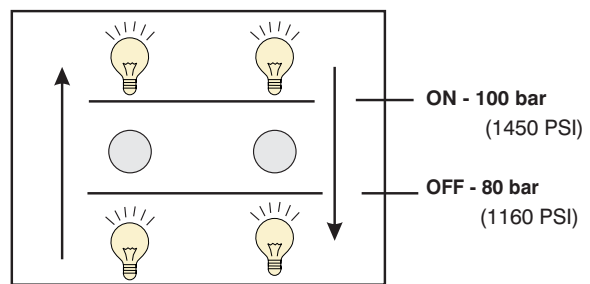


Windows function for contacts SP1 A SP2

Output function HFS



Output function LFS



Closed contacts of the switch



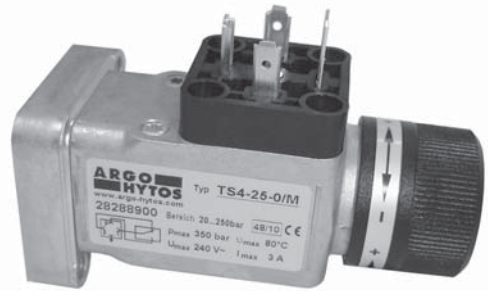
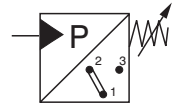
Open contacts of the switch

Notice!

- The switch must not be installed on equipment, of which working fluid maximum allowable pressure exceeds the maximum allowable switch pressure indicated on the label. The allowed range of temperatures must not be also exceeded.
 - The sensor power supply values must conform to the specification listed in the catalogue.
 - The switch must be protected against excessive vibrations and shocks during handling and transport, as these may lead to damage of internal components and malfunction.
 - It is forbidden to use damaged switch or connect it to the power supply source with damaged cable.
 - Installation may be carried out only by adequately trained person.
 - The switch can be installed or removed only when it is disconnected from the power supply and switched off equipment (without pressure).
 - To tighten the switch use the hex size 24 / 36, 45 Nm torque.
 - The surface of the switch can be heated by the working fluid to higher temperature.
 - The switch may not be used as a safety element in the pressure circuits within the meaning of Directive DGR 97/23/EC.
 - The pressure switch does not belong to municipal waste, but must be disposed of in accordance with regional regulations for disposal of products with electronic components.
-
- The packing foil is recyclable.
 - The cover can be sent back to the manufacturer.
 - The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

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- Longer service life thanks to its piston design
- Flanged and screw connection construction
- Easy and lockable setting
- AC and DC power supply option
- Vertical grouping possibility with optionally ordered plate



Functional Description

Pressure switches are used for switching hydraulic equipment's signalling or auxiliary circuits. The TS4 switch contacts are controlled by a piston on which front face acts the pressure of the working fluid. Using this design solution guarantees longer service life when compared to membrane switches as the result of possible loss of function due to the membrane's fatigue failure. Changeover contacts can be used for closing and opening the electric circuit. The required pressure is achieved by the hand control, secured in the selected

position by turning the internal hex on the front face of the controller. (Key included.)

The switches are supplied with a flange (DIN ISO 16873) and three M5 screws, or with a versatile screwed connection. Ordering the MTS vertical grouping plate of Size 06 or Size 10 gauge allows flanged lateral surface mounting of the pressure switch to pick-up pressure in one of the channels (A, B, P). The switch can be rotated at 90° steps during its mounting to the lateral wall of the plate.

The connector is not include in the scope of supply and must be ordered as a separate item

Ordering Code

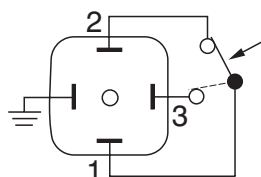
TS4	-	-	-	
Pressure Switch				
Pressure range				Type
up to 10 160 bar (145 ... 2321 PSI)	16			with flange DIN ISO 16873 with internal thread G1/4
up to 20 250 bar (290 ... 3626 PSI)	25		0	
up to 30 320 bar (435 ... 4641 PSI)	32		1	

Other pressure stages and connection threads available on request.

Technical Data

Pressure value setting range after closing	bar (PSI)	10 ...160 (145 ... 2321)	20 ... 250 (290 ... 3626)	30 ... 320 (435 ... 4641)
Working fluid maximum pressure	bar (PSI)	350 (5076)		
Connecting dimensions		see Ordering Code		
Hydraulic fluid		Hydraulic oils of power classes (HL, HLP) to DIN 51524		
Maximum degree of fluid contamination		Class 21/18/15 according to ISO 4406 (2006)		
Fluid temperature range	°C (°F)	+80 (176)		
Ambient temperature	°C (°F)	-10 ...+ 80 (14 ...176)		
Working fluid viscosity range	mm ² / s	20 to 100 (allowable range 12 to 500)		
Frequency of switching maximum	min ⁻¹	100		
Repeatability values at closing	%	± 0,2 % of the measurement range		
Hysteresis after contacts' opening		see Characteristics		
Body material		Die-cast alloy Zn		
Sealing material		PTFE dynamic / NBR static		
Vibration resistance		10 g (10 až 2000 Hz)		
Shock resistance		30 g (0.066 lbs)		
Electrical connection		Connector EN 175301-803-A (not included in supply)		
Power supply:	category AC 12 VDE 0660 category AC 14 VDE 0660 category DC 12 VDE 0660 category DC 14 VDE 0660	4 A / 250 VAC 1 A / 250 VAC 3 A / 28 VDC 4 A / 28 VDC		
Enclosure type to EN 60 529		IP 65		
Service life		> 6 mil. switchings		
Mounting position		optional		
Weight	kg (lb)	0,325 (0.716)		

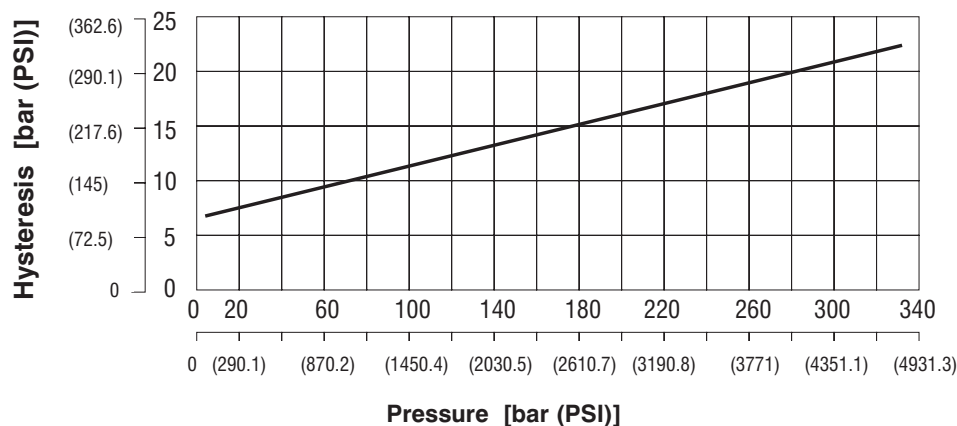
Electrical connection



Switching functions:

with the growing pressure the changeover switch opens the circuit of 1 – 2 terminals and closes the circuit of 1 – 3 terminals

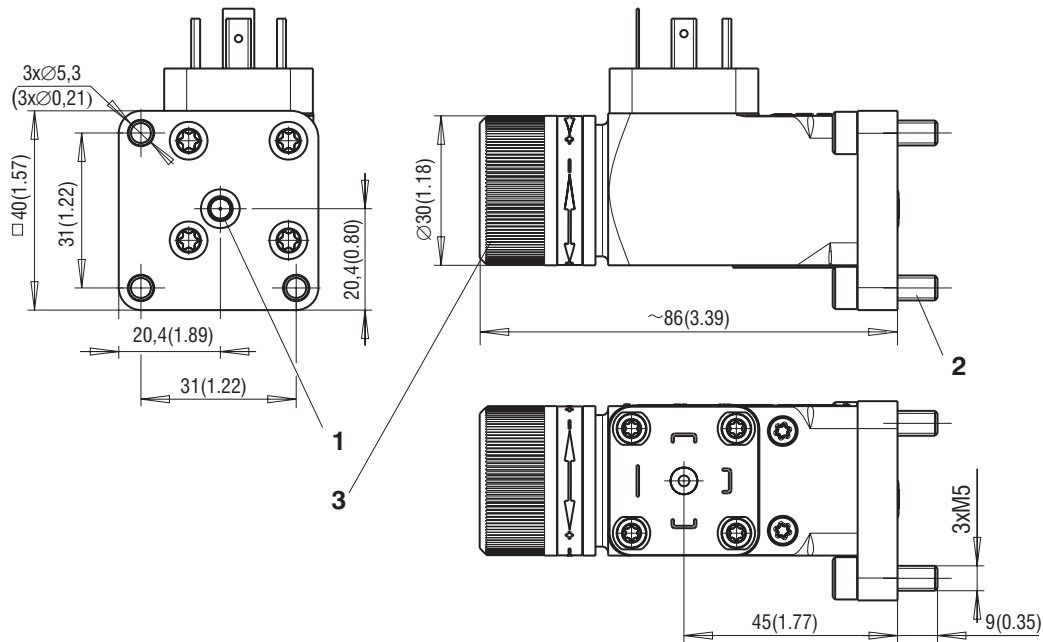
Hysteresis after contacts' opening



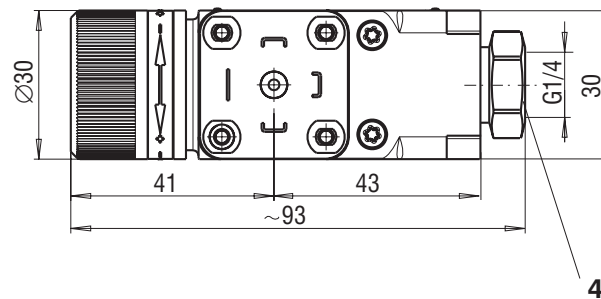
Pressure Switch Dimensions

Dimensions millimetres (inches)

Type TS4-xx-0 (with flange DIN ISO 16 873)

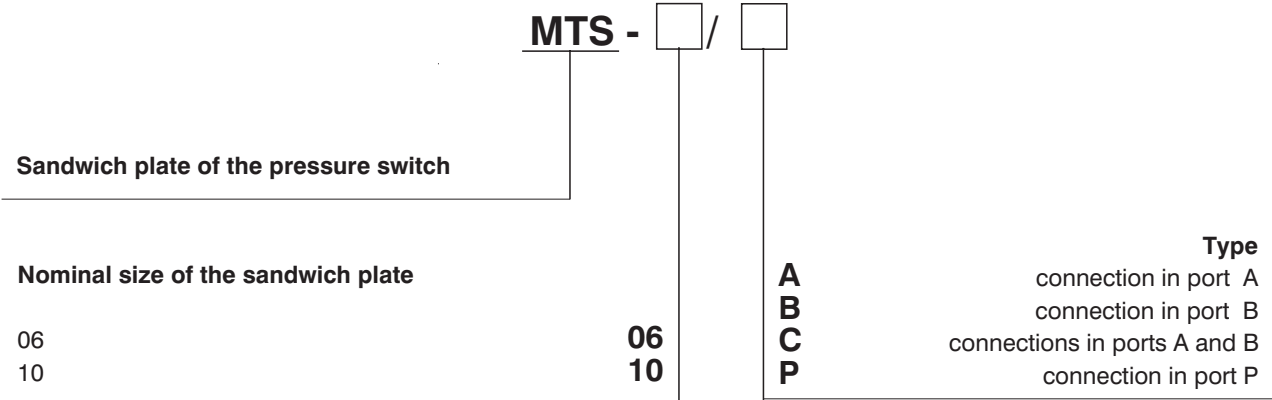


Type TS4-xx-1

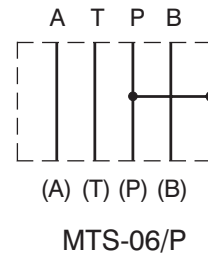
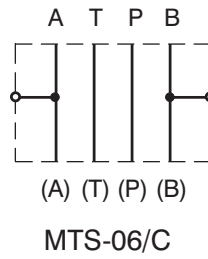
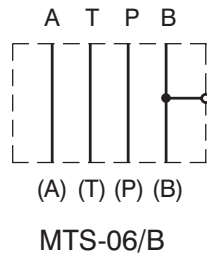
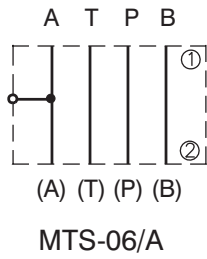


- 1 O-ring 5 x 1,5 - supplied with each switch
- 2 3 pcs. mounting bolts M5x18 (tightening torque 5 Nm(1.124lbf))
- 3 Adjustment element - hand knob
- 4 Internal thread connection - G1/4

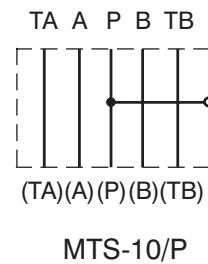
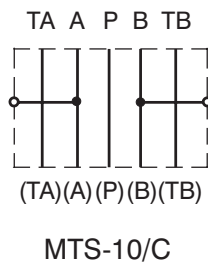
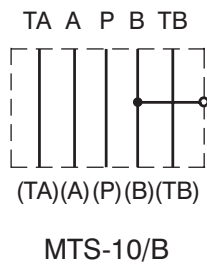
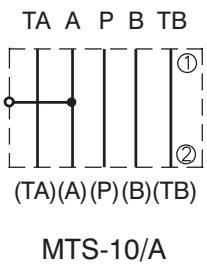
Ordering Code of Sandwich Plates



Types of sandwich plates size 06



Types of sandwich plates size 10



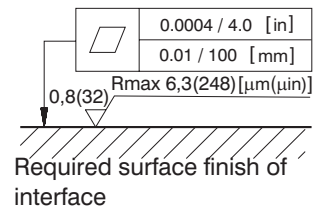
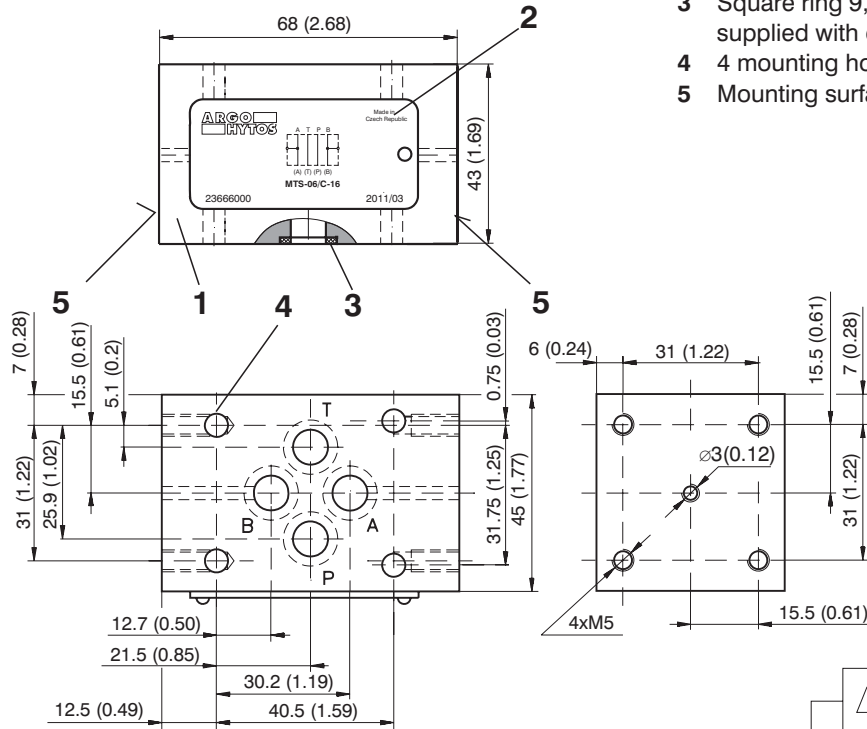
- ① valve side
- ② subplate side

Sandwich Plate Dimensions

Dimensions in millimetres (inches)

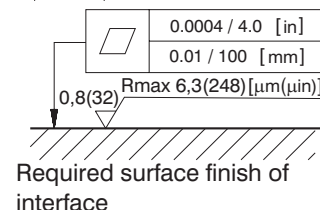
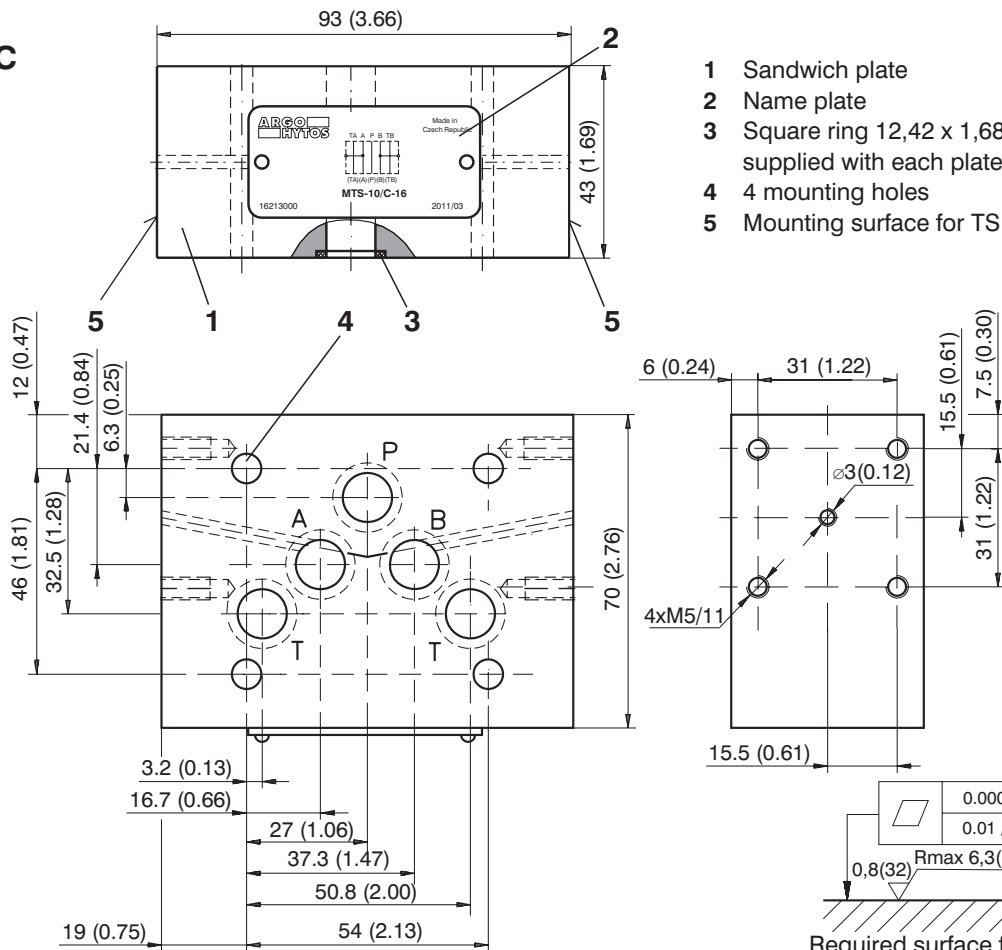
MTS - 06/C

- 1 Sandwich plate
- 2 Name plate
- 3 Square ring 9,25 x 1,68 (4 purchase) supplied with each plate
- 4 4 mounting holes
- 5 Mounting surface for TS



MTS - 10/C

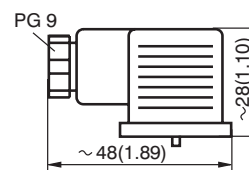
- 1 Sandwich plate
- 2 Name plate
- 3 Square ring 12,42 x 1,68 (5 purchase) supplied with each plate
- 4 4 mounting holes
- 5 Mounting surface for TS



Accessories

Connectors EN 175301-803-A

Type	Solenoid connections	Ordering Number
Connector	Standard	28787900

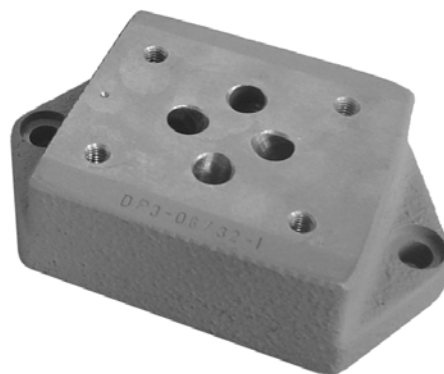


Caution

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- The technical information regarding the product presented in this catalogue is for descriptive purposes only. It should not be construed in any case as a guaranteed representation of the product properties in the sense of the law.

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- Установочные плиты для индивидуального монтажа гидравлических компонентов в гидравлические контуры с подсоединением посредством труб или рукавов.**
- Различные виды присоединительных резьб**
- Универсальные установочные плиты для подсоединения любых компонентов с монтажными размерами согласно ISO 4401: 1994, DIN 24 340 и CETOP**
Монтажные размеры для типоразмера 04: ISO 4401-02-01-0-94 и CETOP - RP 121H
Монтажные размеры для типоразмера 06: ISO 4401-03-02-0-94 и DIN 24 340-A6
Монтажные размеры для типоразмера 10: ISO 4401-05-04-0-94 и DIN 24 340-A10
- Специальные установочные плиты со специальными размерами монтажных поверхностей для установки компонентов,**



Обзор применений

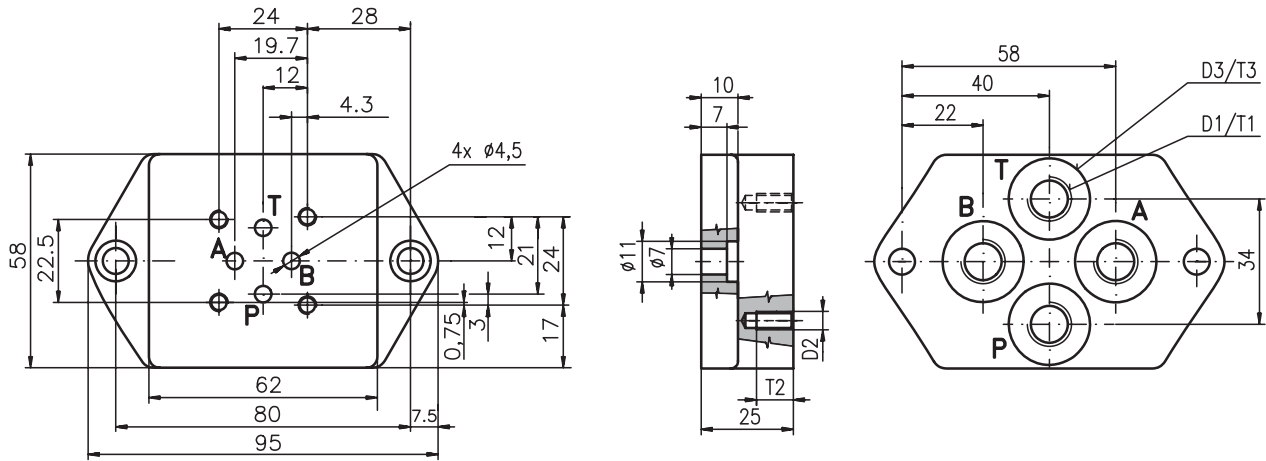
Установочная плита	Для гидроклапана (номер в каталоге)
Типоразмер 04	
DP4-04/32-3 DP4-04/32-4 DP3-04/32-10	RPE3-04 (HA 4014) VS01-04/M (HA 5053) VJR1-04/M (HA 5023) VJ01-04/M (HA 5012) VRP2-04 (HA 5142) VPP2-04 (HA 5093)
Типоразмер 06	
DP2-06/32-1 DP2-06/32-2 DP3-06/32-1 DP3-06/32-2 DP3-06/32-3 DP3-06/32-4 DP3-06/32-5 DP3-06/32-7 DP3-06/32-8 DP3-06/32-9 DP3-06/32-11 DP3-06/32-12 DP3-06/32-13 DP3-06/32-15 DP3-06/32-16 DP3-06/32-17	RPR3-06 (HA 4004) RPH2-06 (HA 4005) RPE3-06 (HA 4010) VSS1-206 (HA 5032) VSS1-306 (HA 5033) VSS2-206 (HA 5041) 2VS3-06 (HA 5051) 2RJV1-06 (HA 5021) MVJ2-06 (HA 5013) VPP2-04 (HA 5093)

Установочная плита	Для гидроклапана (номер в каталоге)
Типоразмер 10	
DP1-10/32-1 DP1-10/32-2	RPE3-10 (HA 4015) VS02-10/M (HA 5056) VJR2-10/M (HA 5025) MVJ2-10 (HA 5014)
Специальные установочные плиты	
D-06M/VPP1 D-06G/VPP1 D-08M/VPP1 D-08G/VPP1 D-10M/VPP1 D-10G/VPP1 DP3-TS2-1 DP3-TS2-3	VPP1 (HA 5061) VPP2 (HA 5062) TS2 (HA 9201) TS2 (HA 9201)

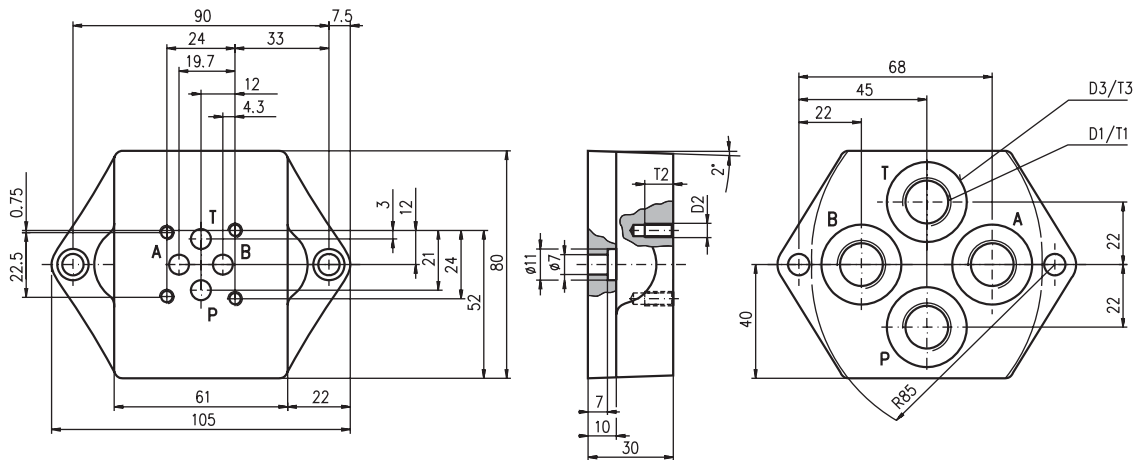
ПРЕДПОЧТИТЕЛЬНЫЕ ВИДЫ ПЛИТ ВЫДЕЛЕНЫ ЖИРНЫМ ШРИФТОМ В ОБЗОРЕ ПРИМЕНЕНИЙ

Установочные плиты, типоразмер 04

Размеры даны в мм



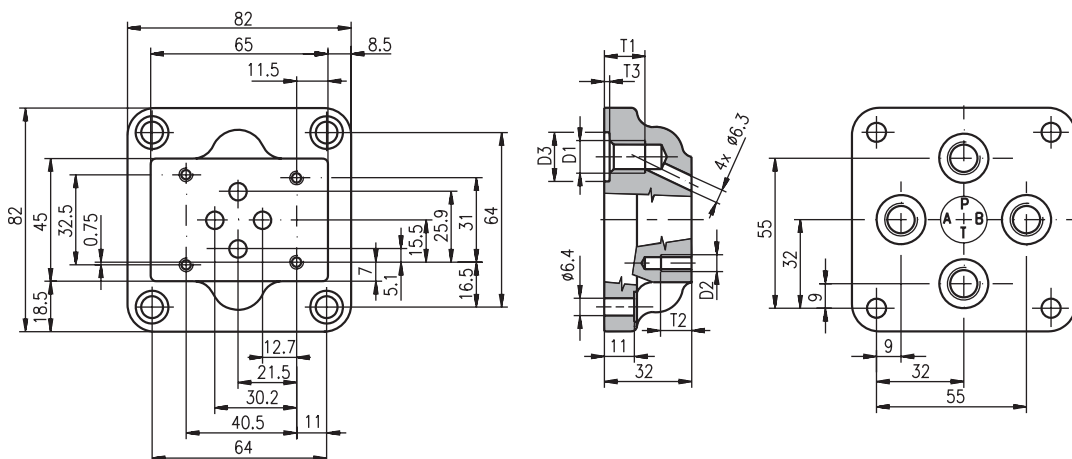
Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP4-04/32-3	M12x1.5	13	M5	10	Ø22	1	0.6
DP4-04/32-4	BSPP 1/4						



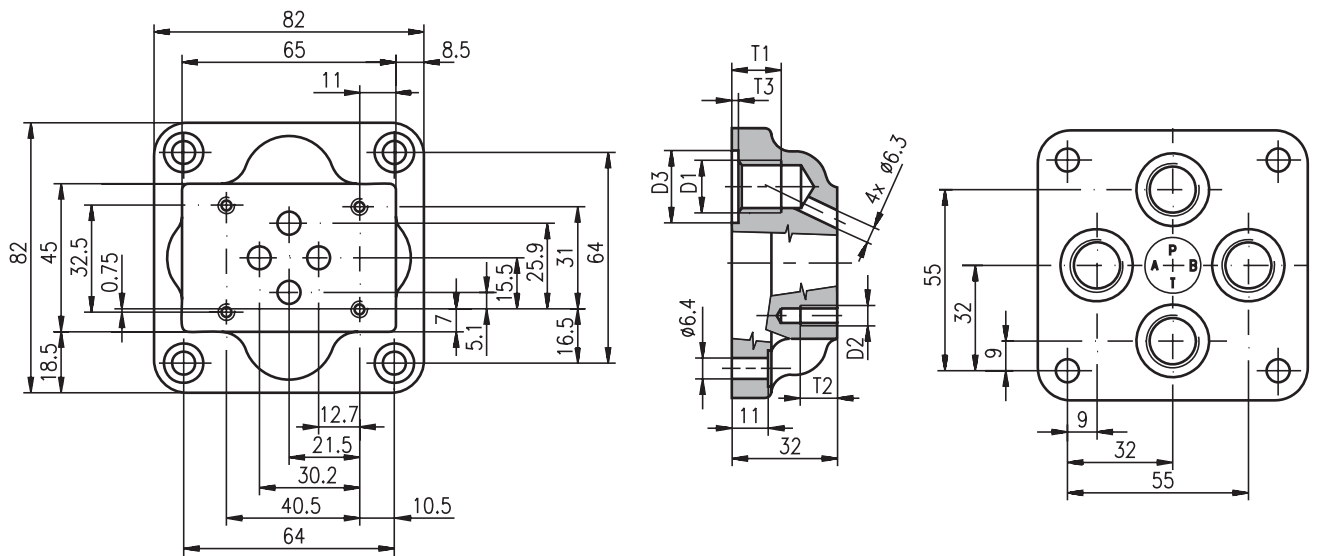
Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP3-04/32-10	BSPP 3/8	12	M5	10	Ø28	1	0.9

Установочные плиты, типоразмер 06

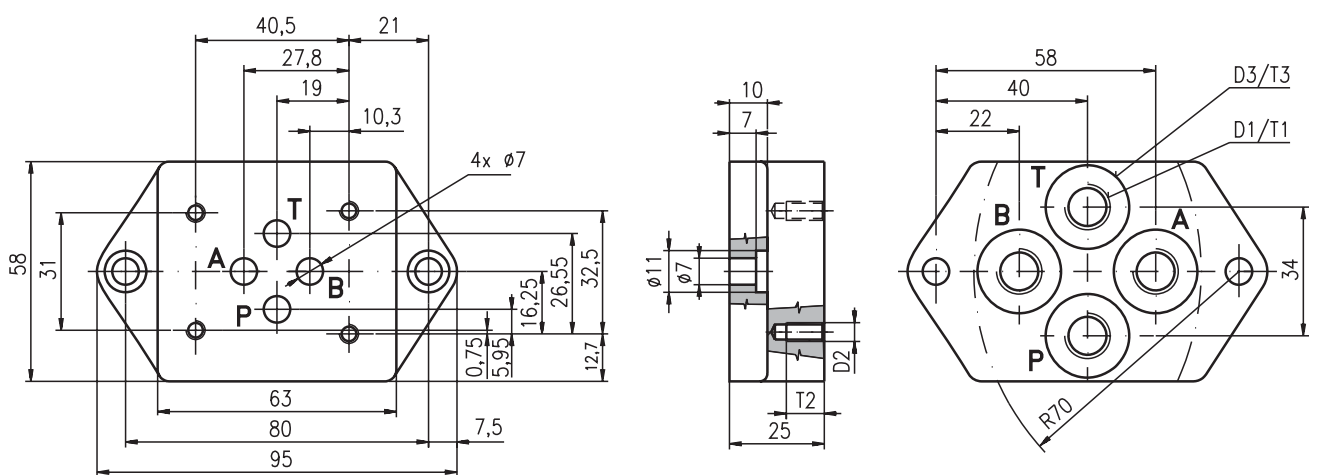
Размеры даны в мм



Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP2-06/32-1	M12x1.5	15	M5	11	Ø18	2	0.95



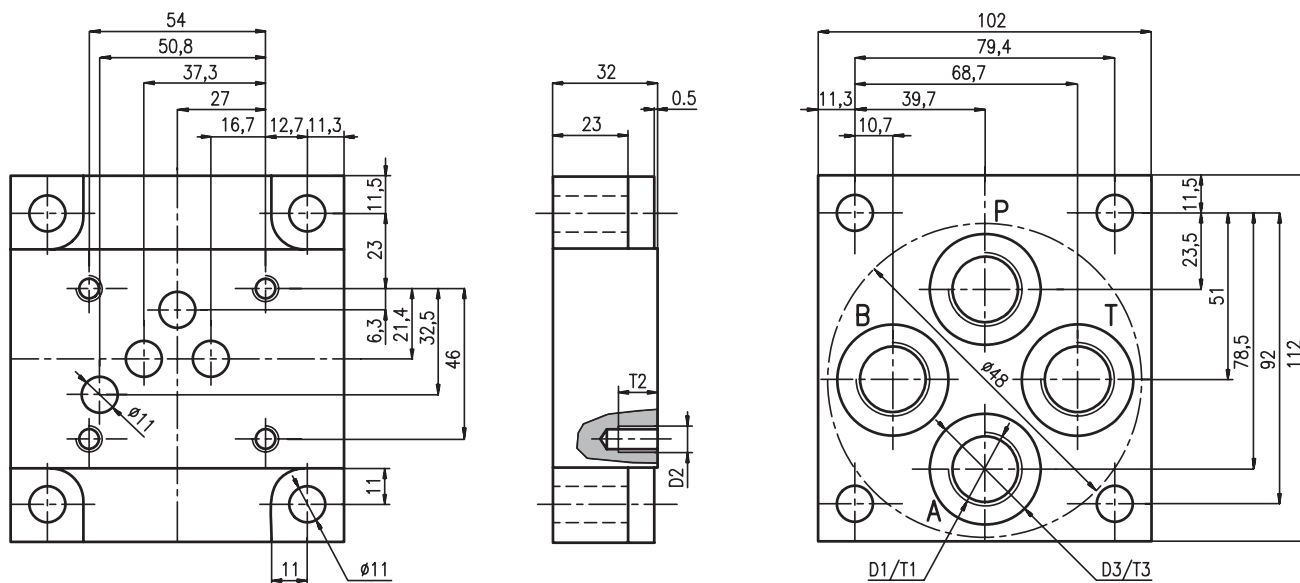
Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP2-06/32-2	M16x1.5	17	M5	11	Ø22	2	0.95



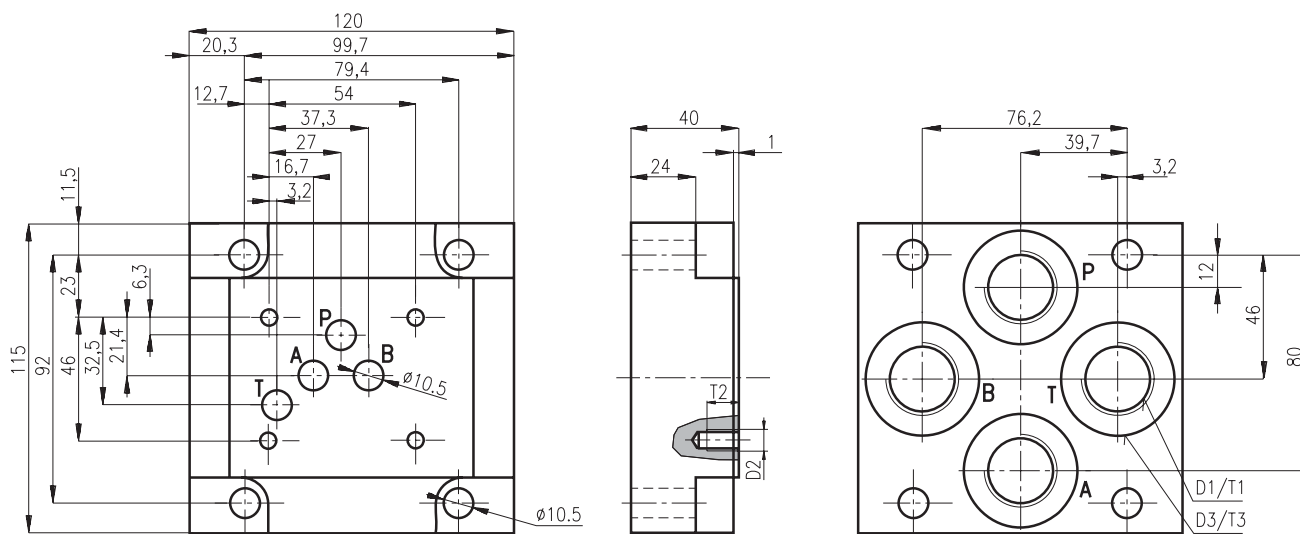
Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP3-06/32-1	M12x1.5	13	M5	10	Ø22	1	0.6
DP3-06/32-2	M14x1.5						
DP3-06/32-7	BSPP 1/4						
DP3-06/32-15	NPT 1/4	10	10-24 UNC	-	-	-	-
DP3-06/32-11	SAE-6; 9/16-18	13		Ø21	0.8	-	-

Установочные плиты, типоразмер 10

Размеры даны в мм



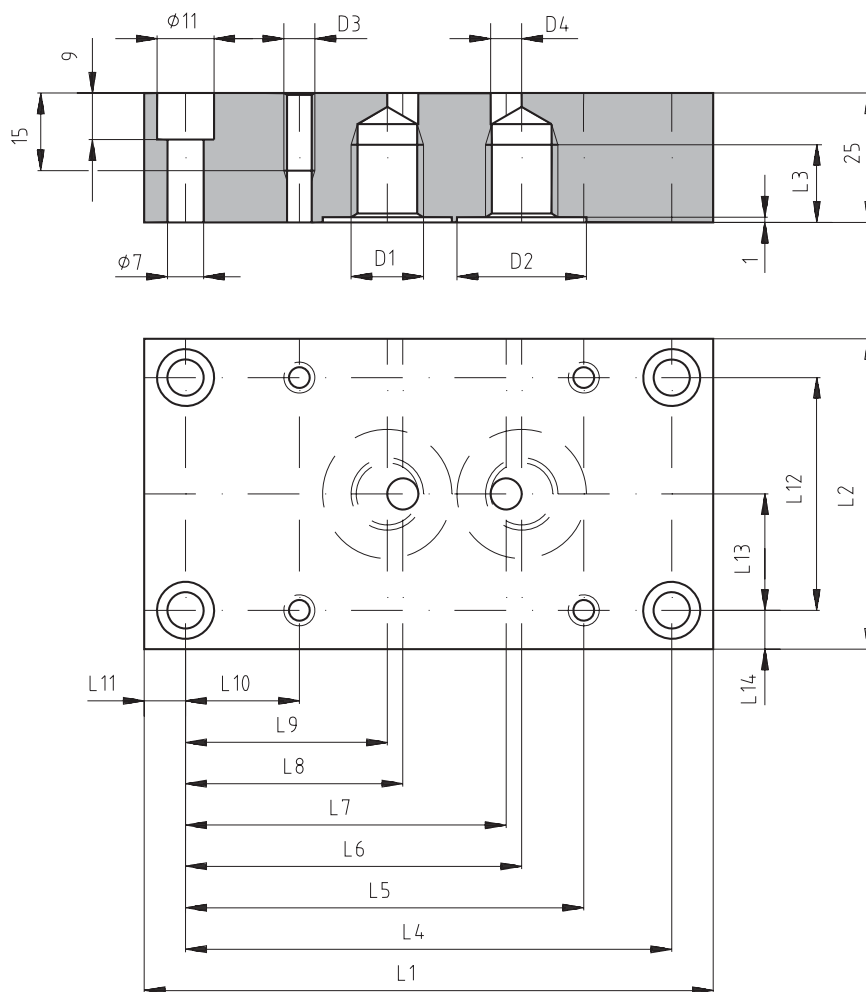
Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP1-10/32-1	BSPP 1/2	14	M6	12	Ø34	1	2.3



Код заказа	D1	T1	D2	T2	D3	T3	Вес, кг
DP1-10/32-2	BSPP 3/4	16	M6	12	Ø42	1	2.5

Установочные плиты, типоразмер 10

Размеры даны в мм



Код заказа	D1	ØD2	D3	ØD4	L1	L2	L3	L4	L5
D-06M/VPP1	M14x1.5	25	M6	6	110	60	15	94	77
D-06G/VPP1	BSPP 1/4								
D-08M/VPP1	M18x1.5	28	M8	10	135	80	16	115	97.5
D-08G/VPP1	BSPP 3/8								
D-10M/VPP1	M22x1.5	34							
D-10G/VPP1	BSPP 1/2								

Код заказа	L6	L7	L8	L9	L10	L11	L12	L13	L14
D-06M/VPP1	65	62	42	39	22	8	45	22.5	7.5
D-06G/VPP1									
D-08M/VPP1	80.5	72.5	48.5	40.5	27.5	10	60	30	10
D-08G/VPP1									
D-10M/VPP1									
D-10G/VPP1									

Вес установочных плит типоразмера 06 составляет 1.5 кг, вес установочных плит типоразмеров 08 и 10 равен 2.0 кг

Внимание!

- Упаковочная пленка подоежит вторичной переработке.
- Плита для транспортировки подлежит возврату производителю.
- Монтажные болты для крепежа установочных плит не входят в комплект.
- Техническая информация о продукции, представленной в настоящем каталоге, дана только для сведения потребителей. Ее не следует рассматривать как окончательные данные о характеристиках изделий, и она не налагает на производителя юридической ответственности.

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- Запирающие плиты применяются в основном для закрытия верхней поверхности элементов в стыковом корпусе, когда они используются отдельно.

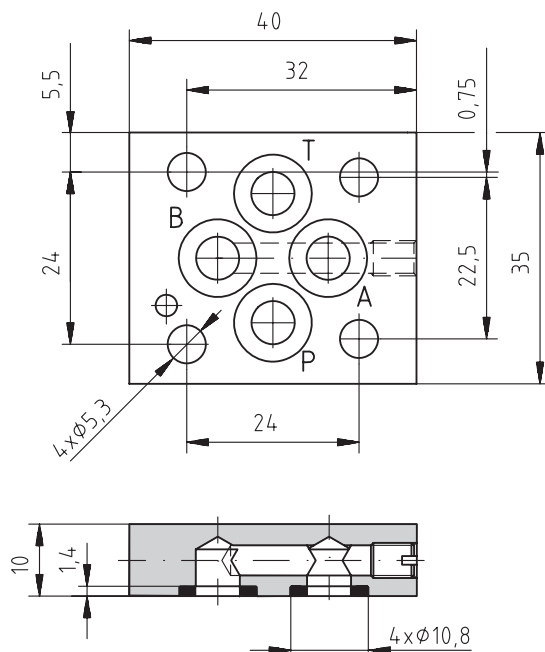
Запирающие плиты DK1-04/32-1

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 04. Соединяют каналы А и В.

Уплотнительные кольца	Вес плиты	Код заказа плиты
4 шт., кольца квадратного сечения 7.65 x 1.68	0.10 кг	517-0033

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



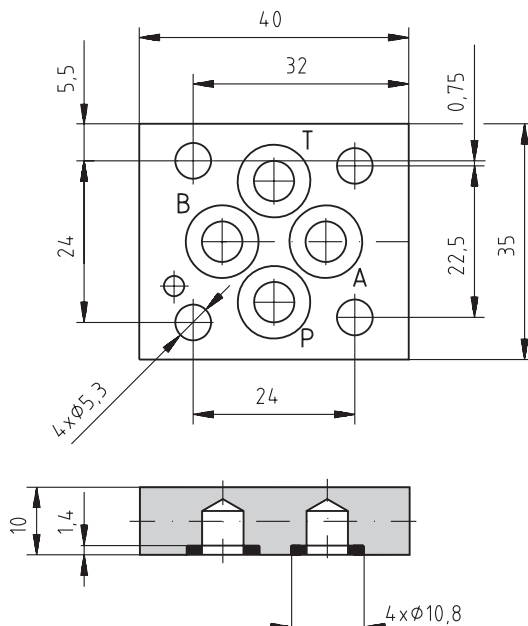
Запирающие плиты DK1-04/32-2

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 04.

Уплотнительные кольца	Вес плиты	Код заказа плиты
4 шт., кольца квадратного сечения 7.65 x 1.68	0.10 кг	517-0032

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



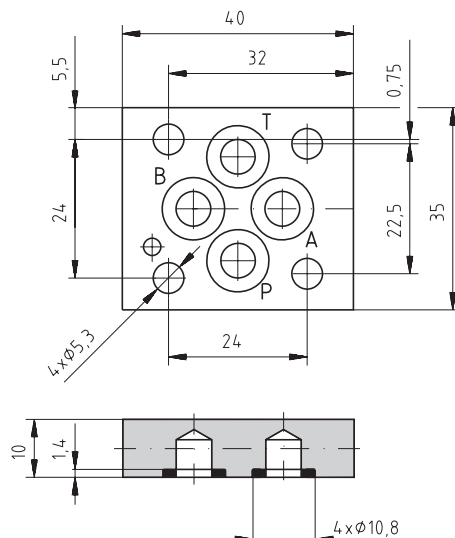
Запирающие плиты DK1-04/32-3

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 04. Соединяют каналы А и Р.

Уплотнительные кольца	Вес плиты	Код заказа плиты
4 шт., кольца квадратного сечения 7.65 x 1.68	0.10 кг	517-0031

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



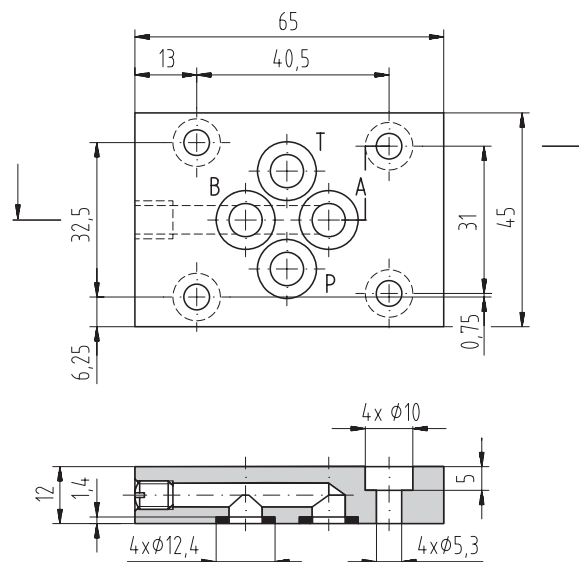
Запирающие плиты DK1-06/32-1

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 06. Соединяют каналы А и В.

Уплотнительные кольца	Вес плиты	Код заказа плиты
4 шт., кольца квадратного сечения 9.25 x 1.68	0.32 кг	525-0080

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



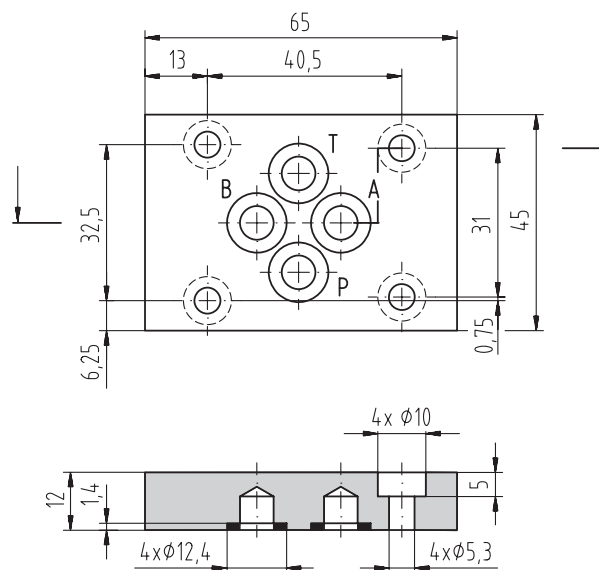
Запирающие плиты DK1-06/32-2

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 06.

Уплотнительные кольца	Вес плиты	Код заказа плиты
4 шт., кольца квадратного сечения 9.25 x 1.68	0.32 кг	525-0081

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



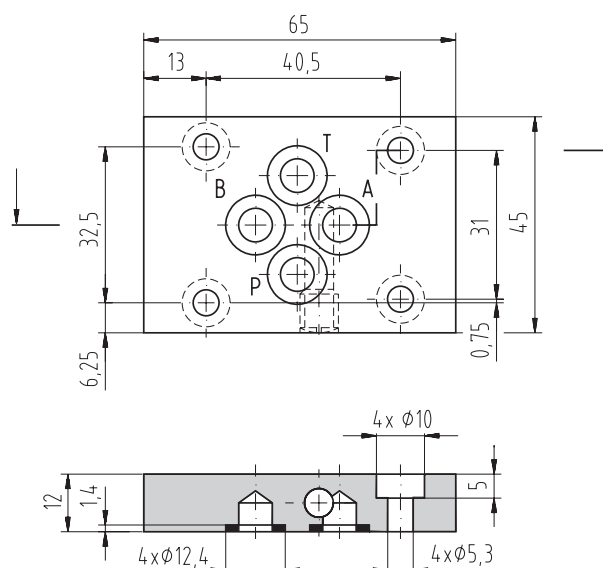
Запирающие плиты DK1-06/32-3

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 06. Соединяют каналы А и Р.

Уплотнительные кольца	Вес плиты	Код заказа плиты
4 шт., кольца квадратного сечения 7.65 x 1.68	0.32 кг	416-0010

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



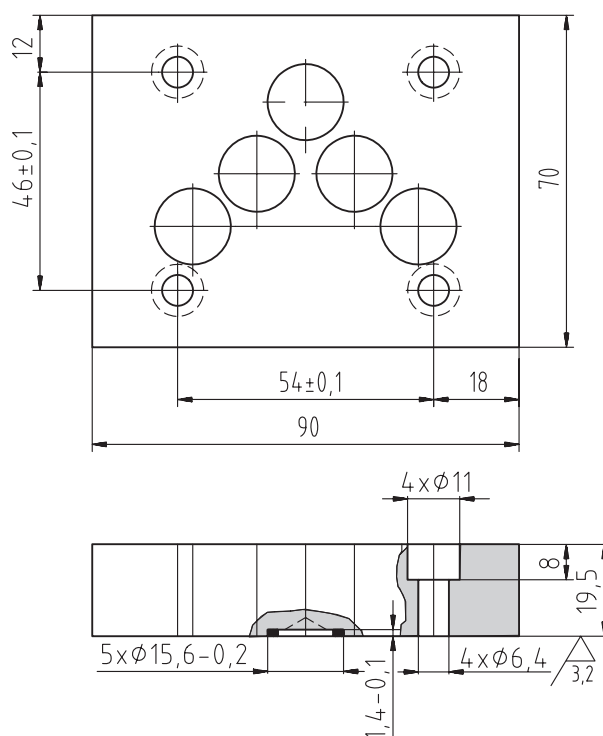
Запирающие плиты DK1-10/32-2

Размеры даны в мм

Используются в качестве универсальных запирающих плит типоразмера 10.

Уплотнительные кольца	Вес плиты	Код заказа плиты
5 шт., кольца квадратного сечения 12.42 x 1.68	1.00 кг	525-0131

Уплотнительные кольца поставляются с каждой плитой (количество и размеры указаны в таблице выше).



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- Для линейного монтажа гидроклапанов
- Параллельное соединение каналов P и T
- от 1 до 6 секций
- Монтажные размеры типоразмера 10 согласно ISO 4401 и DIN 24 340-A10



Код заказа

Размеры даны в мм

PD10 - **AL**

плата для линейного присоединения

Номинальный типоразмер

Соединение см. функциональные символы



Материал - алюминий

Количество секций

- | | |
|----------|----------|
| 1 | 1 секция |
| 2 | 2 секции |
| 3 | 3 секции |
| 4 | 4 секции |
| 5 | 5 секций |
| 6 | 6 секций |

Обзор типов

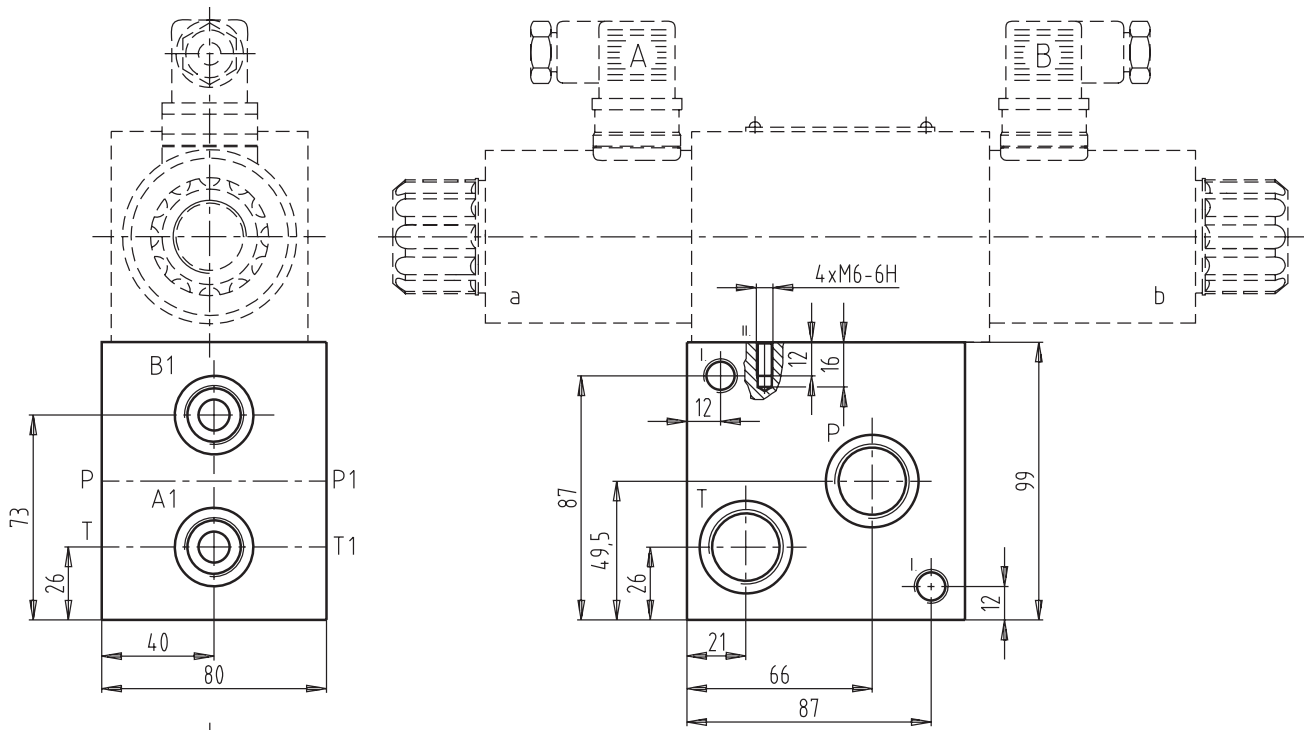
Тип	Код заказа	Вес, кг
PD10A1-AL	760-0151	2.32
PD10A2-AL	760-0152	4.48
PD10A3-AL	760-0153	6.62
PD10A4-AL	760-0154	8.85
PD10A5-AL	760-0155	11.03
PD10A6-AL	760-0156	13.21

ПРЕДПОЧТИТЕЛЬНЫЕ ТИПЫ ВЫДЕЛЕНЫ ЖИРНЫМ ШРИФТОМ В КОДЕ ЗАКАЗА И ОБЗОРЕ ТИПОВ

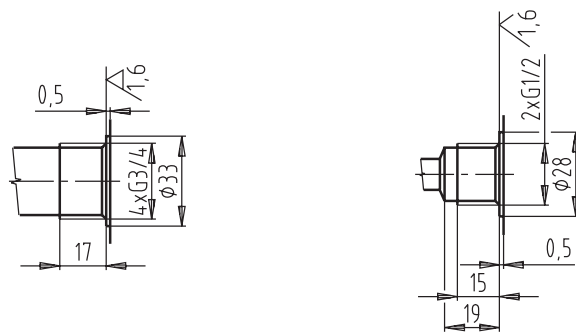
Размеры плиты

Размеры даны в мм

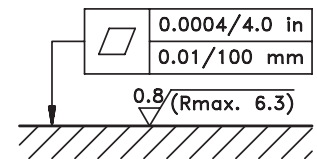
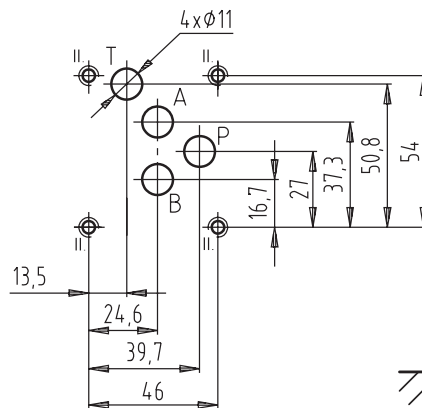
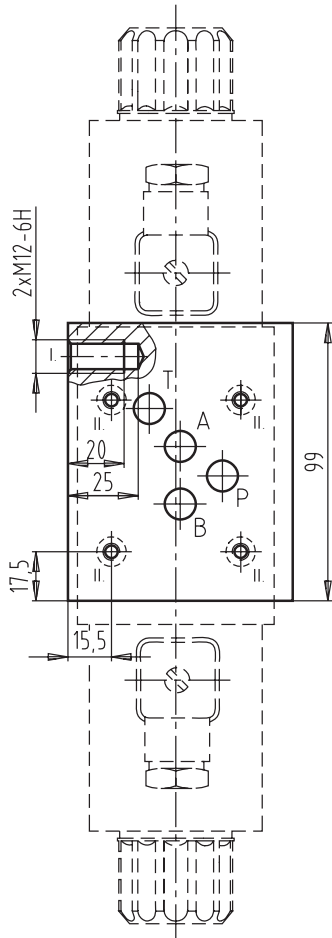
Плиты с 1 секцией



P, T, P1, T1 A, B



Монтажные размеры



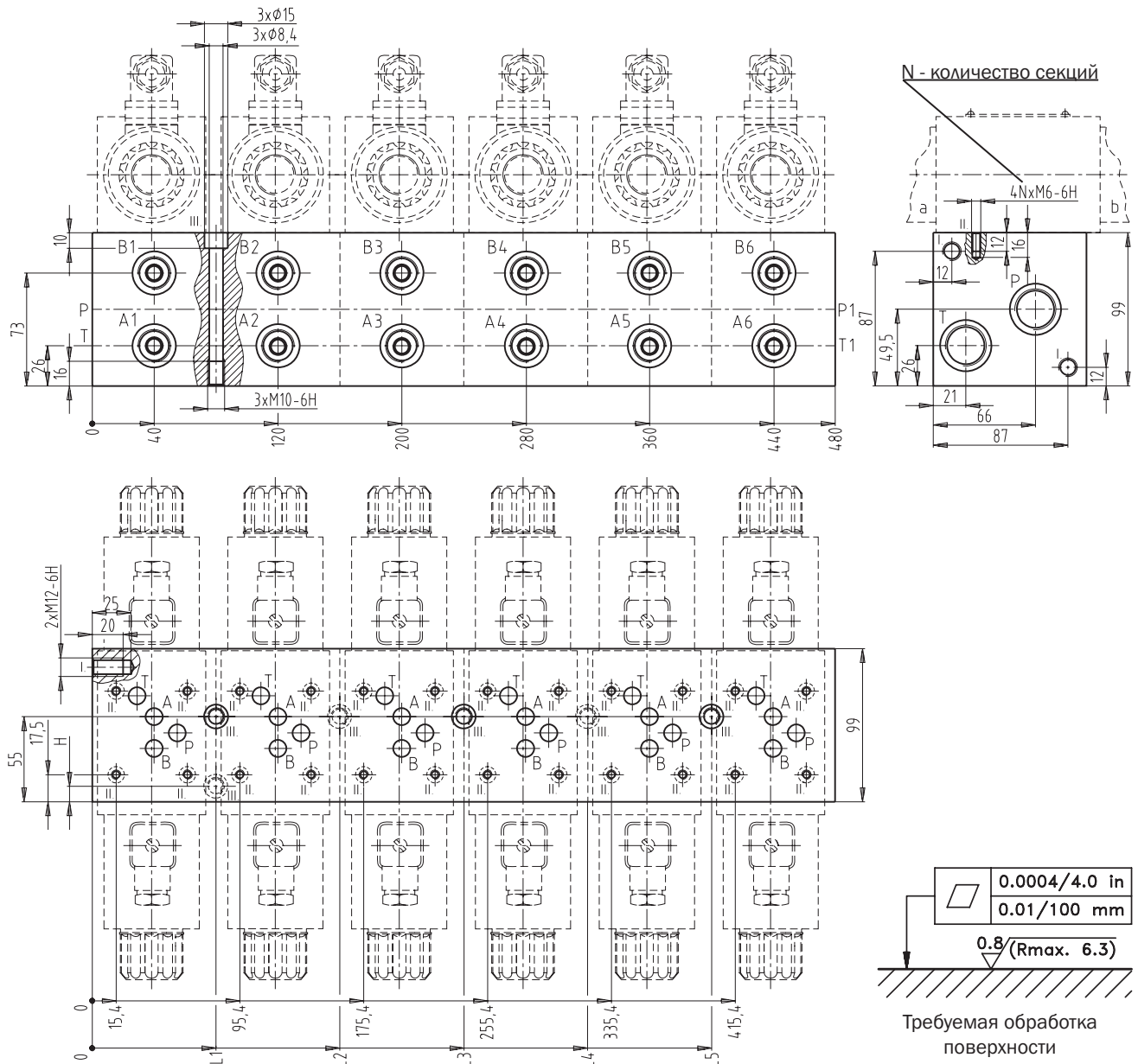
Требуемая обработка поверхности

Канал	A, B	P, T, P1, T1
Резьба	G1/2	G3/4
Глубина резьбы	15	17
Расточенное отверстие	Ø28	Ø33
Глубина расточенного отверстия	0.5	0.5

Размеры плиты

Размеры даны в мм

Плиты с 2-6 секциями



Количество секций	L1	L2	L3	L4	L5	H
2	80	-	-	-	-	10
3	80	160	-	-	-	-
4	80	-	240	-	-	-
5	80	-	240	320	-	-
6	80	-	240	-	400	-
Канал	A1...A6, B1...B6				P, T, P1, T1	
Резьба	G1/2				G3/4	
Глубина резьбы	15				17	
Расточенное отверстие	Ø28				Ø33	
Глубина расточенного отверстия	0.5				0.5	

Внимание!

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- От 1 до 8 секций
- Монтажные размеры типоразмера 04 согласно ISO 4401 и CETOP - RP 121H



Код заказа

DR1-04 /

плита для линейного присоединения

Номинальный типоразмер

0 без гнезд*
1 с 1 гнездом для кл-на давления
2 с 2 гнездами для кл-на давления и предохранительного кл-на
 *Версия DR1-06/0 только для клапанов с 2-8 секциями

Количество секций

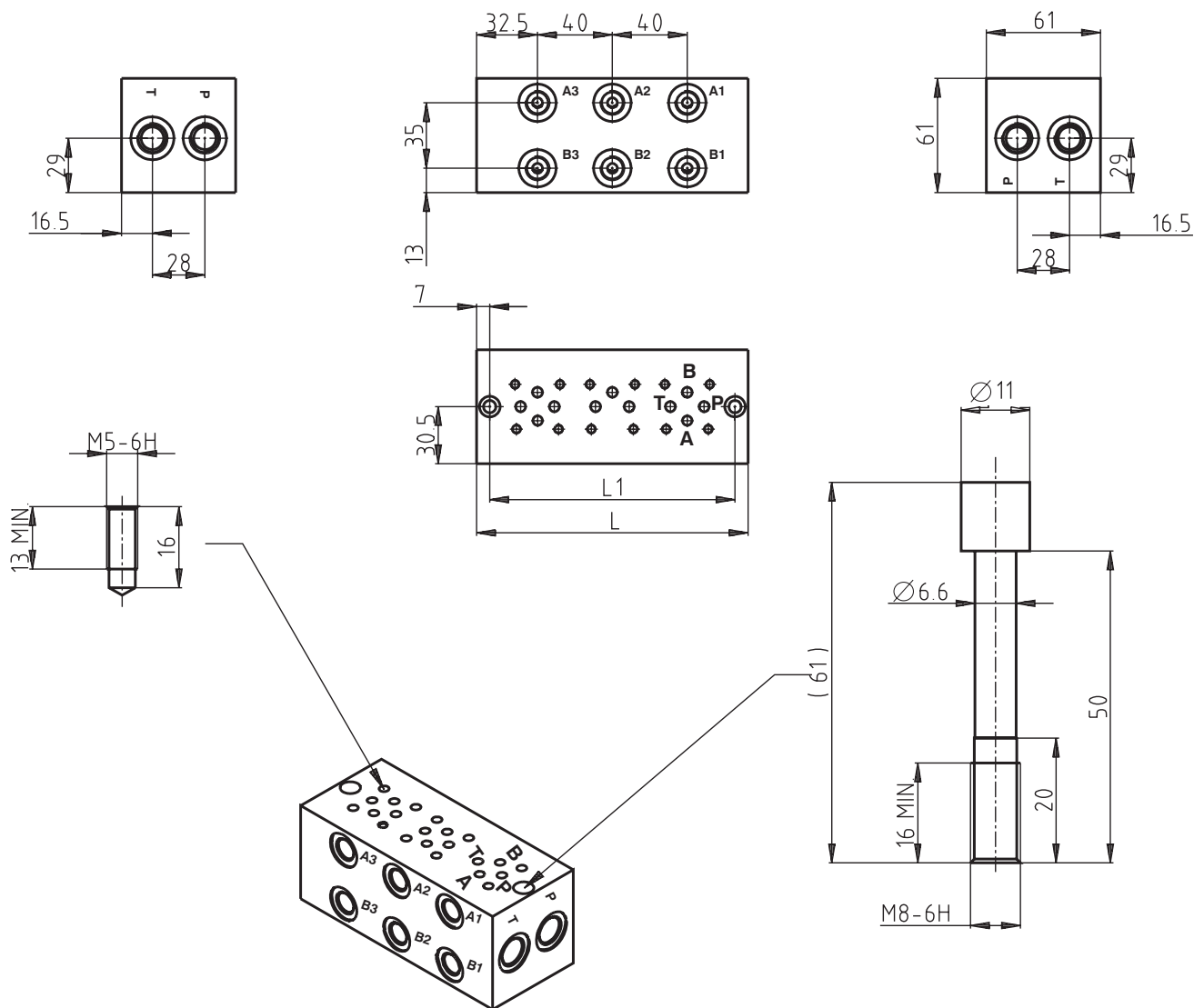
1	1 секция
2	2 секции
3	3 секции
4	4 секции
5	5 секций
6	6 секций
7	7 секций
8	8 секций

Размеры клапанов

Размеры даны в мм

DR1 04 / □0

Количество секций 2-8



Количество секций	L (мм)	L1 (мм)	Код заказа
2	105	91	760-0300
3	145	131	760-0301
4	185	171	760-0302
5	225	211	760-0303
6	265	251	760-0304
7	305	291	760-0305
8	345	331	760-0306

Внимание!

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