



DIVERTER VALVES

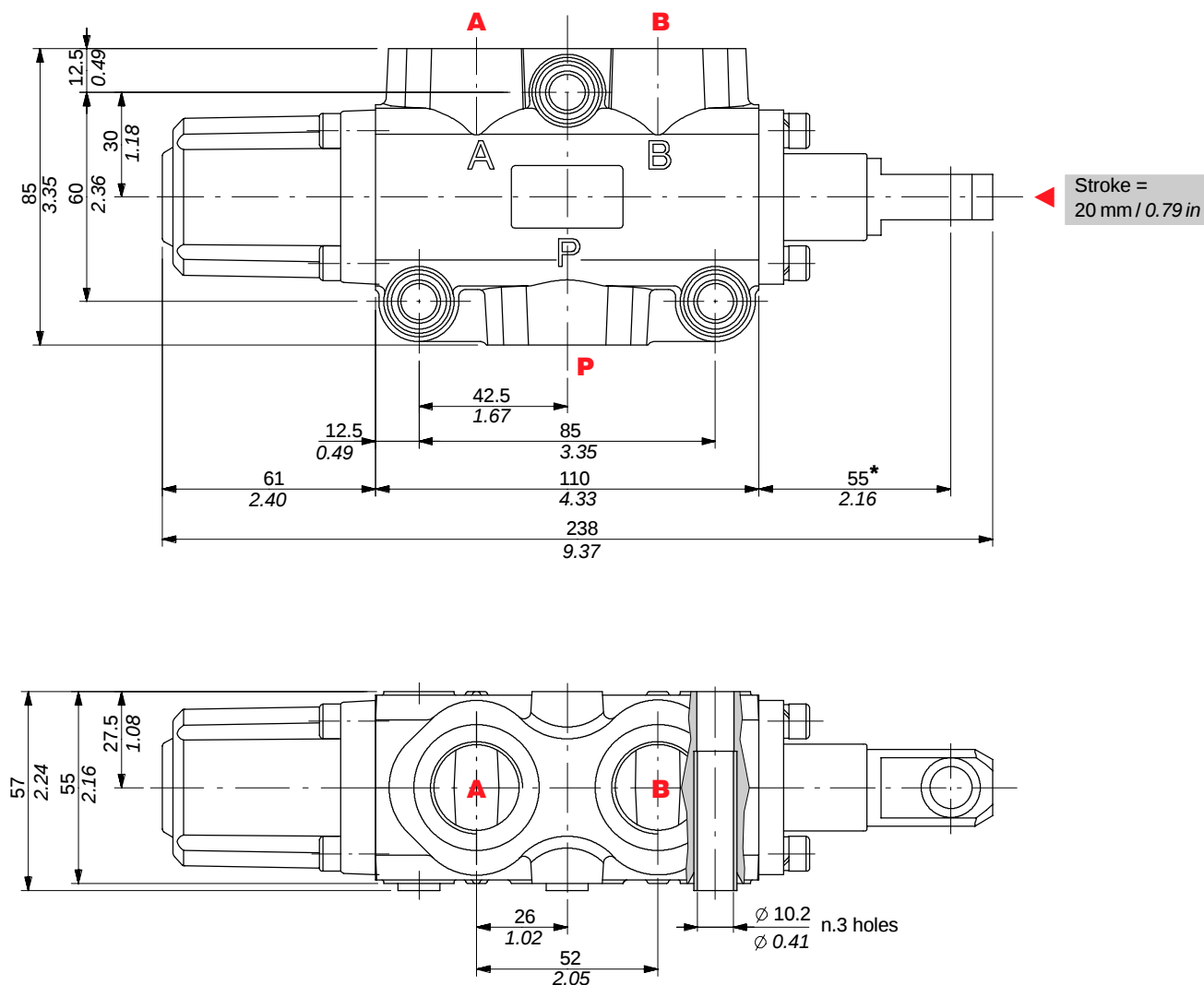
DF

DPE

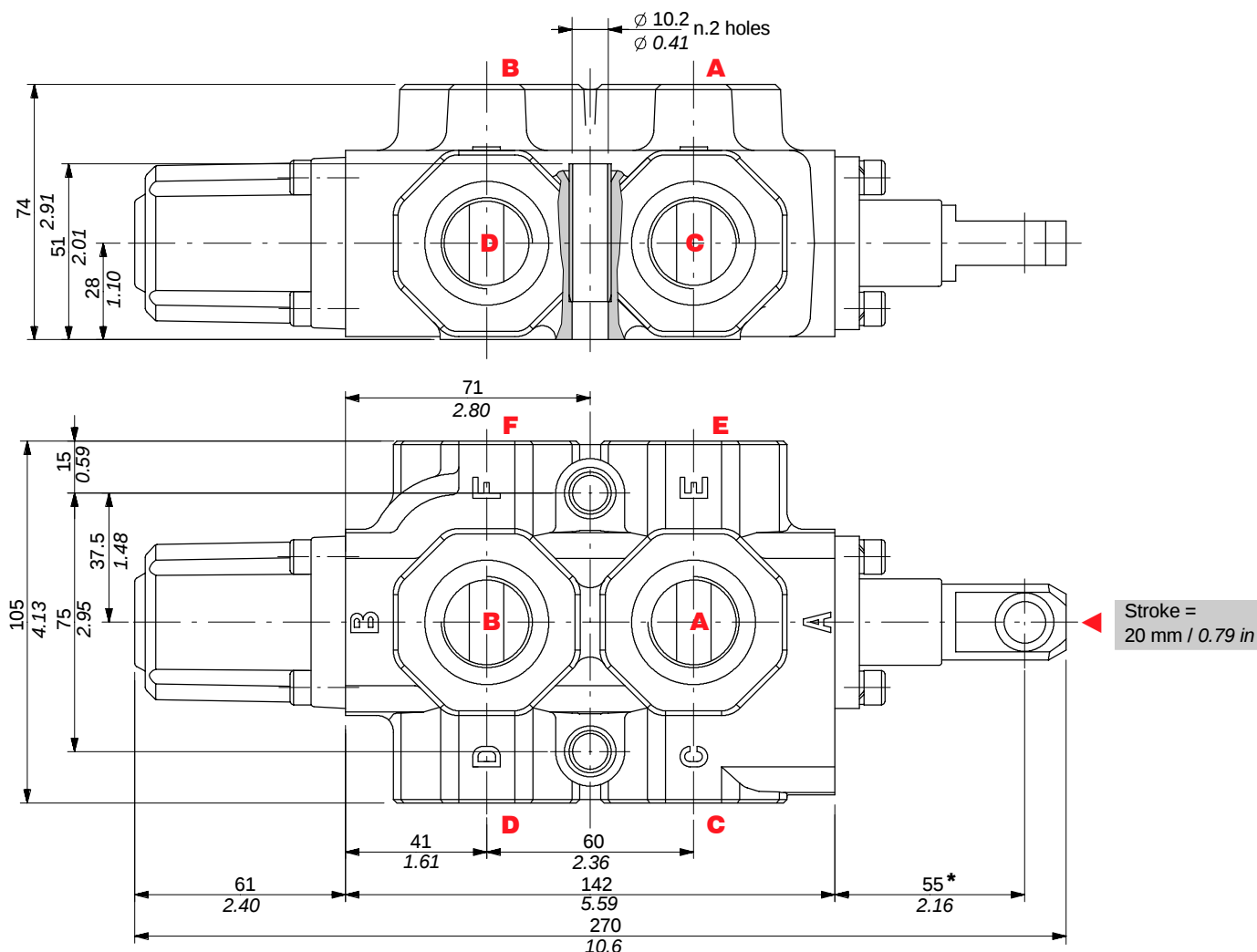
DH

Dimensional data

3-way DF20/3 valve

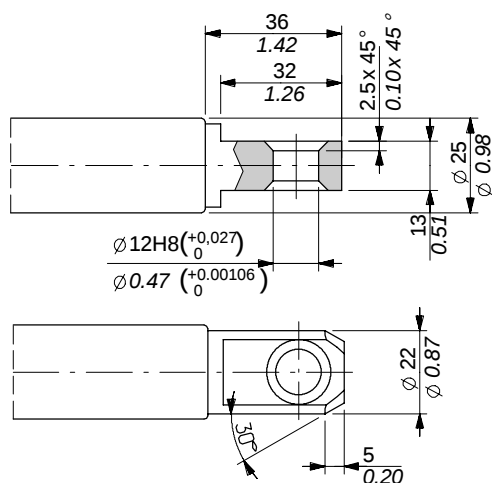


6-way DF20/6 valve

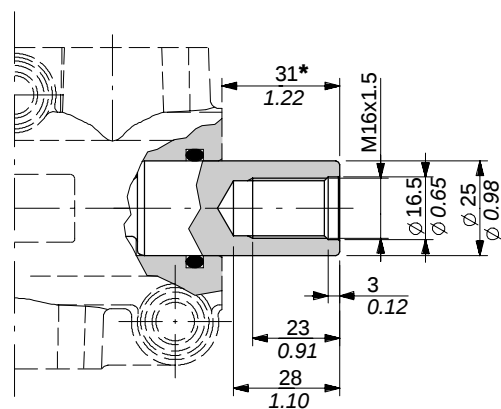


Spool end

Standard end



Rotary cam prearrangement



NOTA (*) - With spool out (positioner kit type 17)

Ordering codes

Description example

Diverter valve **DF20/3** **A** **17** **SLP**

1.

3.

2.

4.

2.

12

17

18P

II

1.

3.

3-way body

3-way spool

6-way body

6-way spool

I

4.

L

SLC

SLP

3-way
1. Body kit *

TYPE	CODE	DESCRIPTION
DF20/3	5CO2261300	Standard body kit

Include body and seals

3. Spool options

TYPE	CODE	DESCRIPTION
A	3CAS120310	3-way, 2 positions with ports connected in transit position
B	3CAS120410	3-way, 2 positions with ports closed in transit position
AC	3CAS120320	As type A prearranged for cam control
BC	3CAS120420	As type B prearranged for cam control

6-way
1. Body kit *

TYPE	CODE	DESCRIPTION
DF20/6	5CO2262300	Standard body kit

Include body and seals

3. Spool options

TYPE	CODE	DESCRIPTION
A	3CAS120610	6-way, 2 positions with ports connected in transit position
B	3CAS120710	6-way, 2 positions with ports closed in transit position
AC	3CAS120620	As type A prearranged for cam control
BC	3CAS120720	As type B prearranged for cam control

2. Positioner kits
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TYPE	CODE	DESCRIPTION
12	5V12120000	Detent in positions 1 and 2
17	5V17120000	Spring return in position 1
18MB	5V18120000	Spring return in position 2
18P	5V18120700	ON/OFF pneumatic kit with spring return in position 2
18IA1	5V18120820*	ON/OFF high pressure hydraulic kit with spring return in position 2
18IB1	5V18120810*	ON/OFF low pressure hydraulic kit with spring return in position 2
18EI1	5V18120350	12VDC ON/OFF electro-hydraulic kit with spring return in position 2
	5V18120351	24VDC ON/OFF electro-hydraulic kit with spring return in position 2

4. Comandi di azionamento
page 40

TYPE	CODE	DESCRIPTION
SLP	5COP120000	Without lever box with dust-proof plate kit
SLC	5COP220000	Without lever box with endcap
L	5LEV120000	Standard lever box
CB	5CAM120020	Cam control
IA2	5IDR520000*	ON/OFF high pressure hydraulic control
IB2	5IDR720000*	ON/OFF low pressure hydraulic control

I Optional handlever

TYPE	CODE	DESCRIPTION
AL01/M12x200	170013020	For lever L, height 200 mm / 7.87 in

II Ports plug

TYPE	CODE	DESCRIPTION
G3/4	3XTAP732200*	Body conversion from 3-way to 2-way circuit

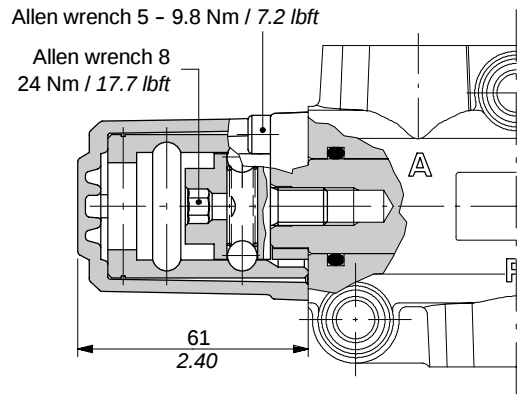
NOTE (*) - Codes are referred to **BSP** thread.

Positioner kit

With detent

12 kit

Detent in positions 1 and 2.

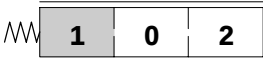
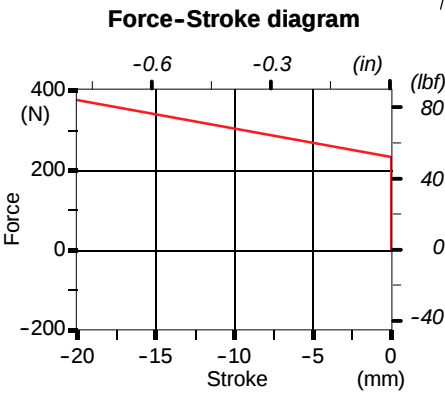
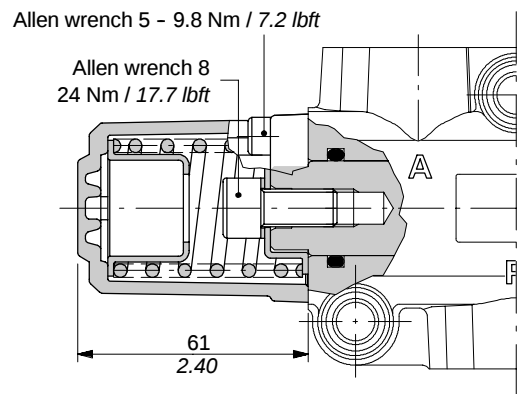


Operating features
 Locking and unlocking force : 420 N / 94.4 lbf ±10%

With spring return

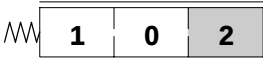
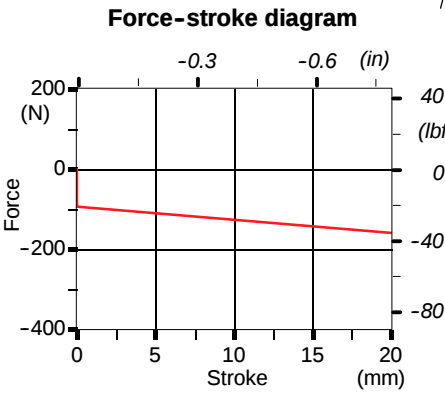
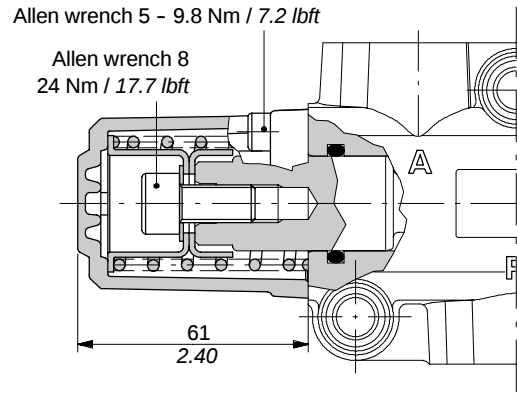
17 kit

Spring return in position 1.



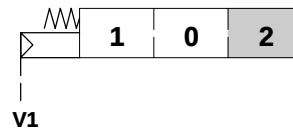
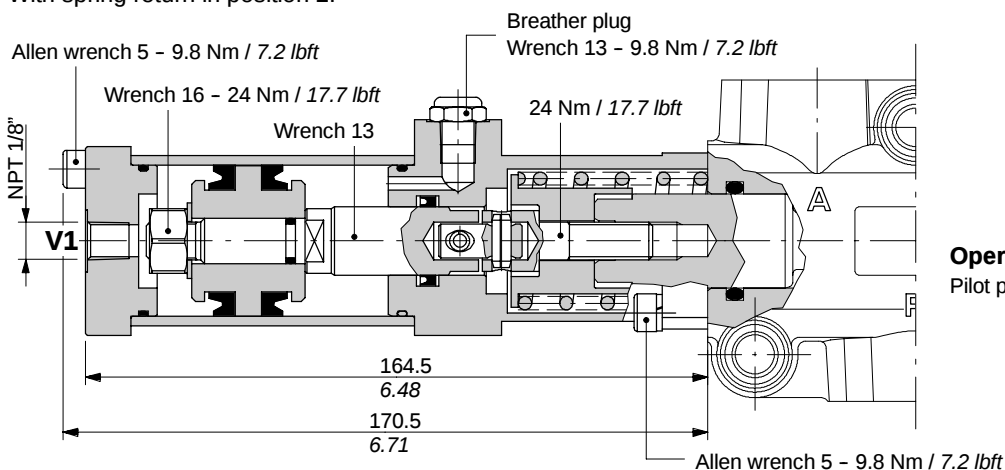
18MB kit

Spring return in position 2.



ON/OFF pneumatic kit type 18P

With spring return in position 2.



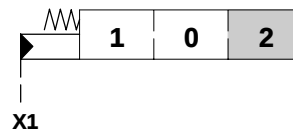
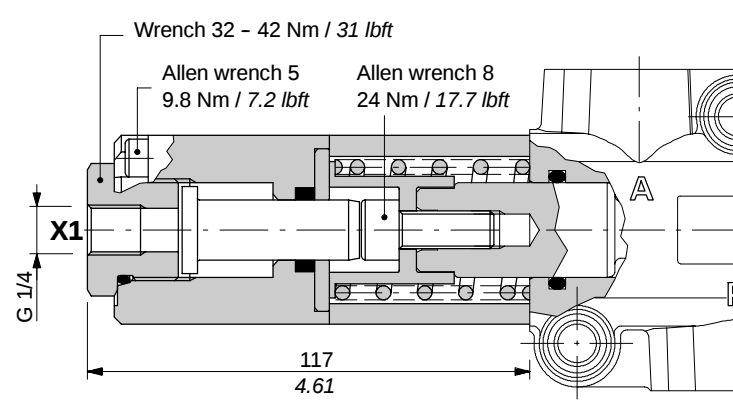
Operating features

Pilot pressure : min. 6 bar / 87 psi
max. 10 bar / 145 psi

With ON/OFF hydraulic control

18IA1 kit

With high pressure pilot and spring return to position 2.

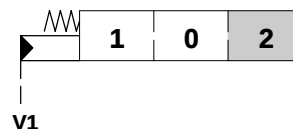
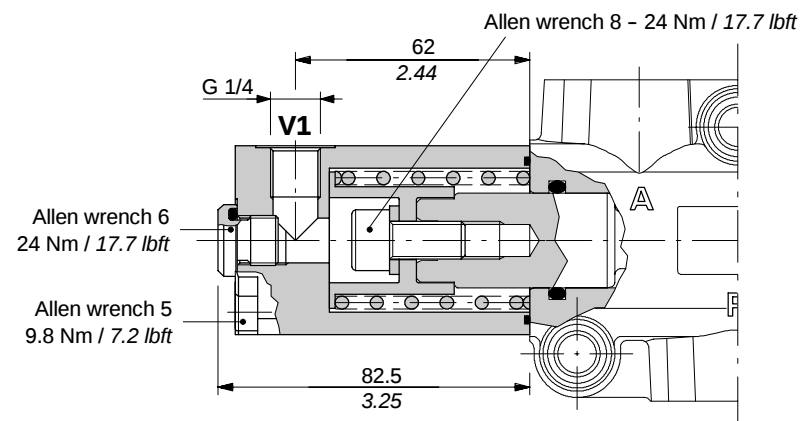


Operating features

Pilot pressure : min. 30 bar / 435 psi
max. 250 bar / 3600 psi

18IB1 kit

With low pressure pilot and spring return to position 2.



Operating features

Pilot pressure : min. 15 bar / 220 psi
max. 50 bar / 725 psi

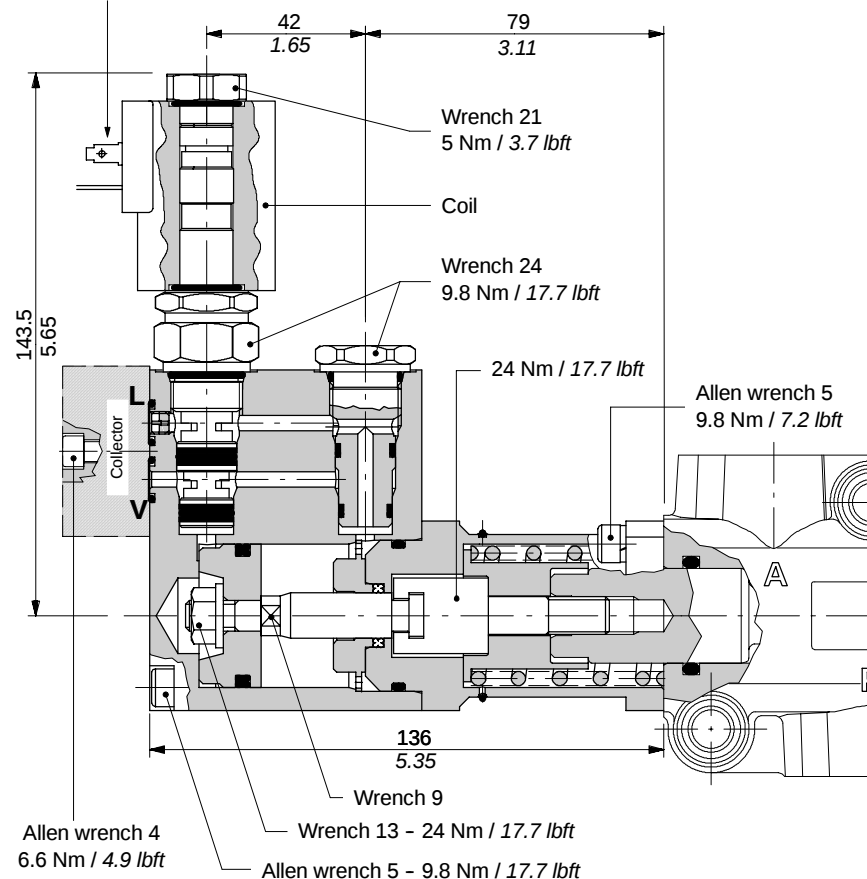
Positioner kits

ON/OFF hydraulic kit type 18EI1

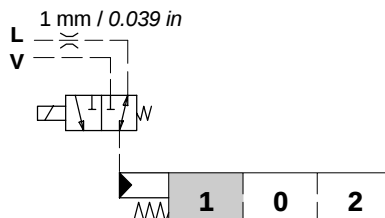
External pilot and drain, with spring return in position 2.

Connection ISO4400

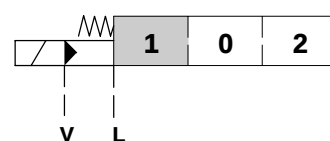
(needs C02 connector, see page 119)



Scheme



Scheme ISO 1219



Operating features

CONTROL

Pilot pressure : min. 10 bar / 145 psi
 : max. 50 bar / 725 psi
 Max backpressure on drain L : 4 bar / 58 psi

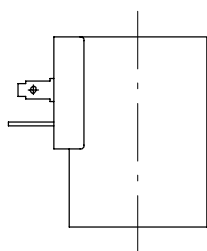
COIL

Nominal voltage tolerance : $\pm 10\%$
 Power rating : 21 W
 Nominal current : 1.75 A - 12 VDC / 0.87 A - 24VDC
 Coil insulation : Class F
 Weather protection : depending on coil model: see next page
 Duty cycle : 100%

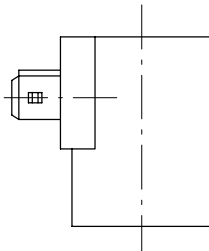
ON/OFF hydraulic kit type 18E11

COIL CODES				
Voltage	CONNECTION TYPE			
	ISO4400	AMP JPT		Deutsch DT
		without diode	with diode	
12 VDC	2XB1400121100	2XB1400121200	2XB1400121210	2XB1400120400
24 VDC	2XB1400241100	2XB1400241200	2XB1400241210	2XB1400240400
Need connector type (page 119)	C02	C08	C08	C19

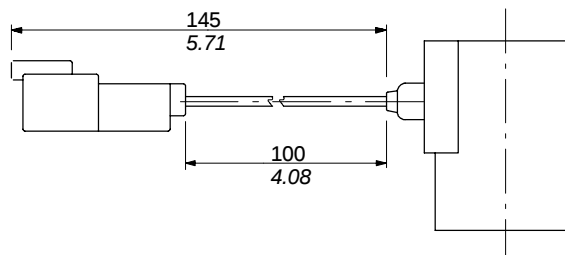
Coil with ISO4400 connection
(weather protection IP65)



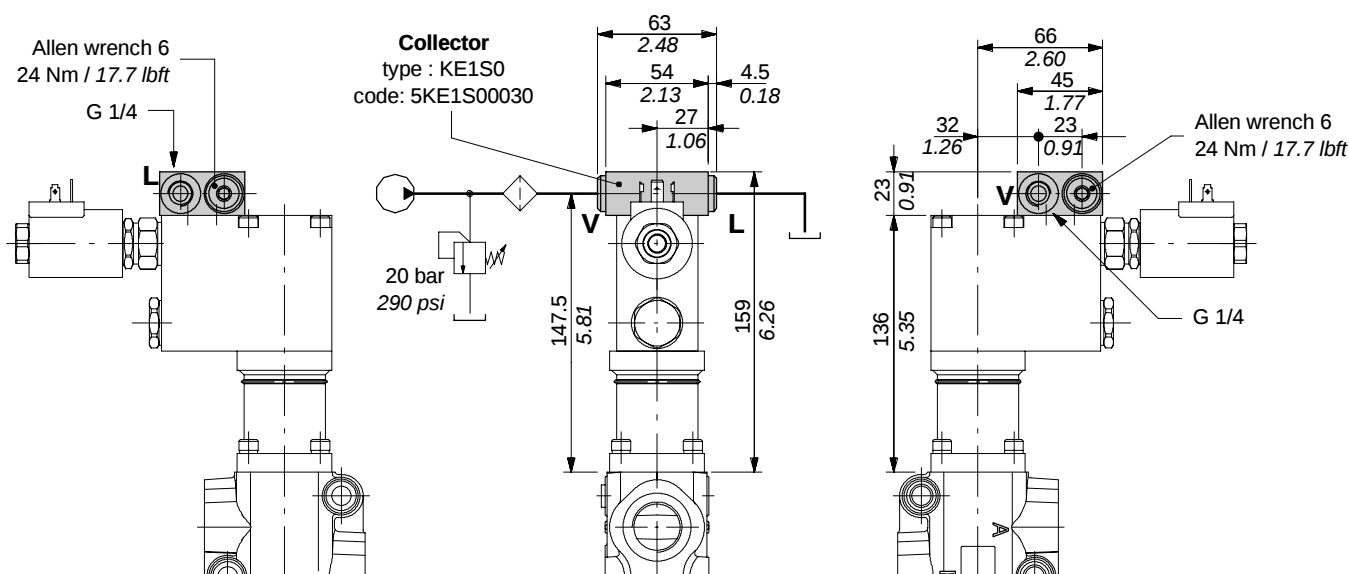
Coil with AMP JPT connection
(weather protection IP65)



Coil with Deutsch DT connection
(weather protection IP67)



Collector kit for external pilot and drain



Description example:
DF20/3A18E11SLC/KE1S0-12VDC

Control kits

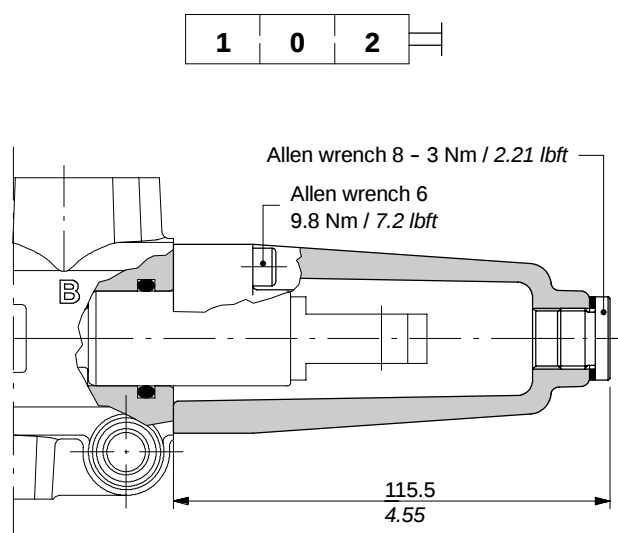
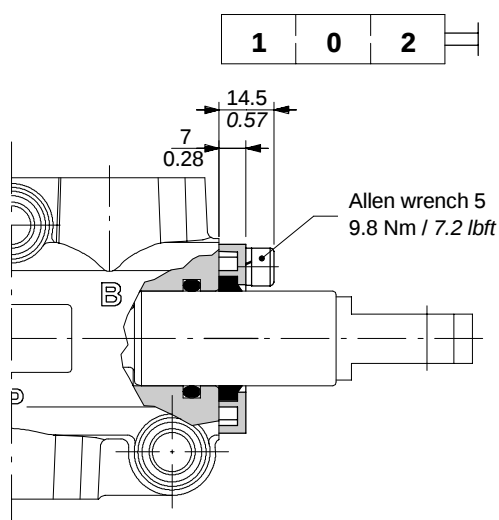
Controls prearrangement

SLP kit

Mechanical control with dust-proof plate.

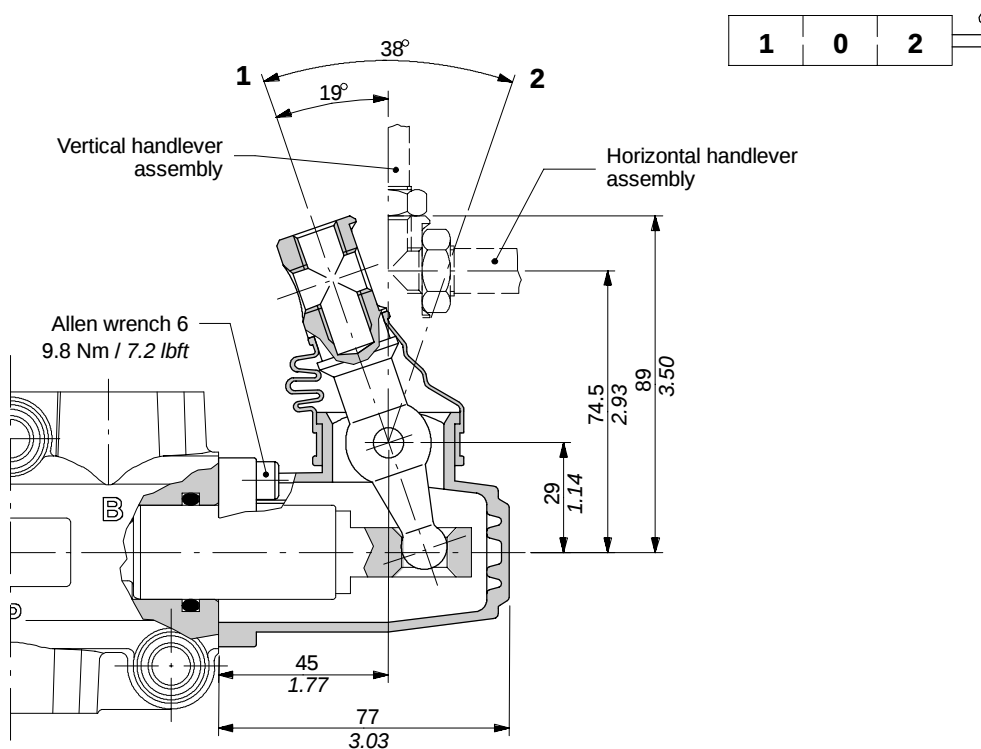
SLC kit

Protection cap usable with pneumatic and hydraulic spool positioner kits.



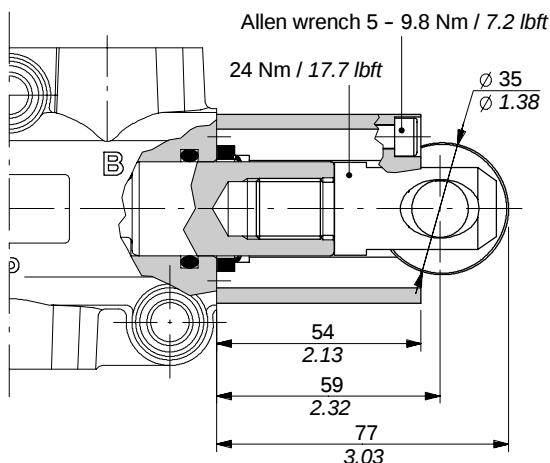
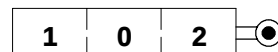
L lever control

Aluminum with protection boot lever pivot box; it can be rotated 180° (execution **L180**).



CB cam control

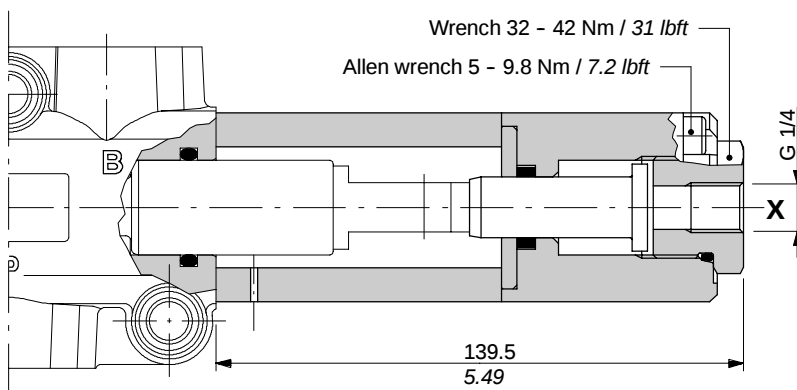
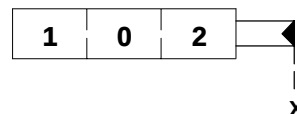
With bronze bearing; it must be coupled to 17 kit (see page 36).



ON/OFF hydraulic controls

IA2 kit

With high pressure pilot; it must be coupled to 17 kit (see page 36).

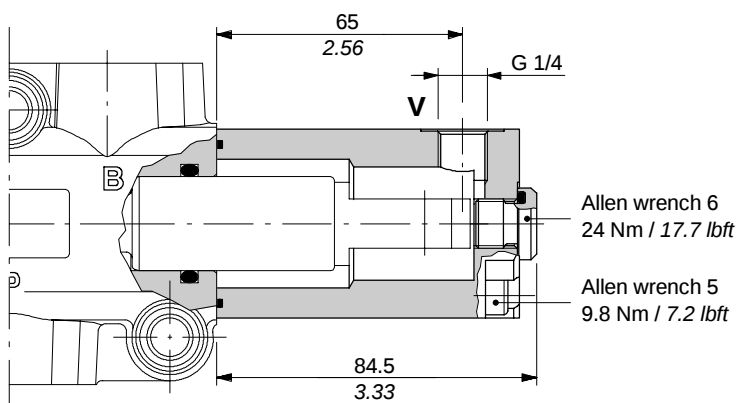
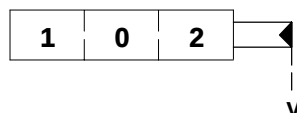


Operating features

Pilot pressure : min. 30 bar / 435 psi
max. 250 bar / 3600 psi

IB2 kit

With low pressure pilot; it must be coupled to 17 kit (see page 36).



Operating features

Pilot pressure : min. 15 bar / 220 psi
max. 50 bar / 725 psi