GRANZO 178

AA

Miniature electropilots U1

Direct intervention electropilots with poppet valve system and cushioned bottom seals

- Assembly on sub-base
- Threaded connections on the body
- CNOMO interface



- Orientable coil (360°) separated from mechanical part
- Versions: 2/2 3/2 NC NO
- Original Univer SPEED modular sub-bases

TECHNICAL FEATURES

Ambient temperature	-10 ÷ +50 °C
Fluid temperature	max +95 °C
Fluid	10 µm filtered air, lubricated or not, neutral gases
	(upon request other fluids can be used)
Commutation system	direct intervention poppet valve system with cushioned seals
Ways/Positions	2/2 NC, 3/2 NC, 3/2 NO ^(a)
Pressure	2/2, 3/2 NC = 0 ÷ 10

3/2 NO = 3 ÷ 10

Control				electric
Return			mech	anical spring
Connections	on sub-base or wi	th threaded	connections	on the body
	sub-base	G 1/8	M5	CNOMO
Nominal Ø (mm)	1,2 ÷ 1,5	1 ÷ 1,5	1 ÷ 1,5	1,2 ÷ 1,5
Nominal flow rate (NI/min)	30 ÷ 60	28 ÷ 60	30 ÷ 60	33 ÷ 45

CONSTRUCTIVE FEATURES

Materials

see features below

ELECTRIC FEATURES

Series	U1	U3
Coil	DA	DC
Power consumption	3,5 W (DC) - 5 VA (AC)	2,5 W (DC) - 3,3 VA (AC)
Connector	AM 5110	AM 5111
Voltage	12 V DC - 24 V DC - 24 V	AC - 110 V AC - 230 V AC
Drataction degras		

Protection degree

For other electric features see section "Accessories>Coils"

(a) = Mechanical part designed to keep the air supply always from the body (Useful in case of assembly of more NC-NO pilots in series to have a unique supply port)



GRANZO H.

U1 Sleeves - with moving core



treated brass
stainless steel
nitrile rubber

	Exhaust Ø	Pressure	Weight	Part no.
	mm	bar	Kg	
3/2 NO	1,2	3÷10	0,030	AA-0150
3/2 NC	1,5	0÷10	0,030	AA-0157

0,030

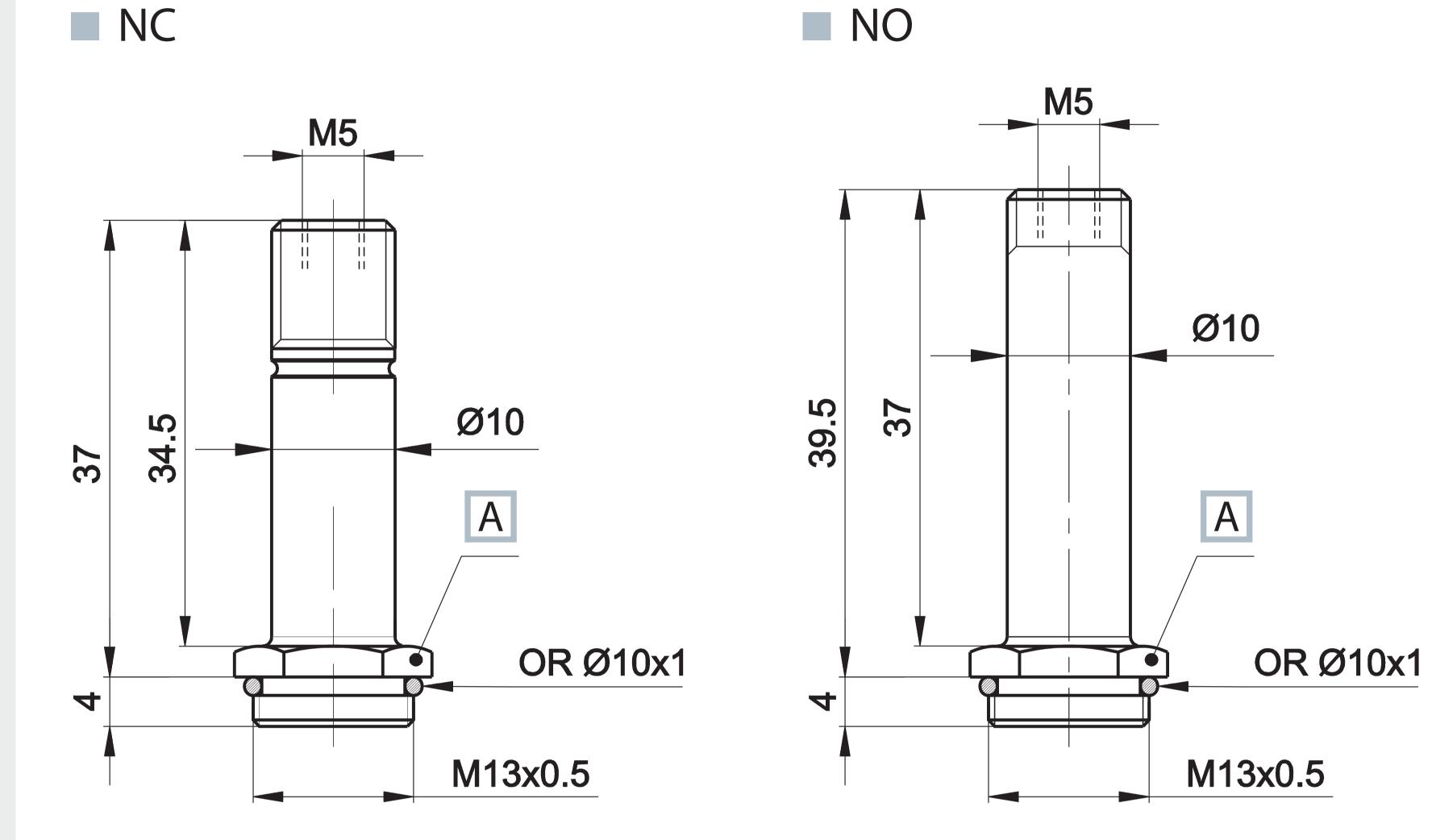


AA-0170

Upon request viton seals and stainless steel sleeves (only NC versions)

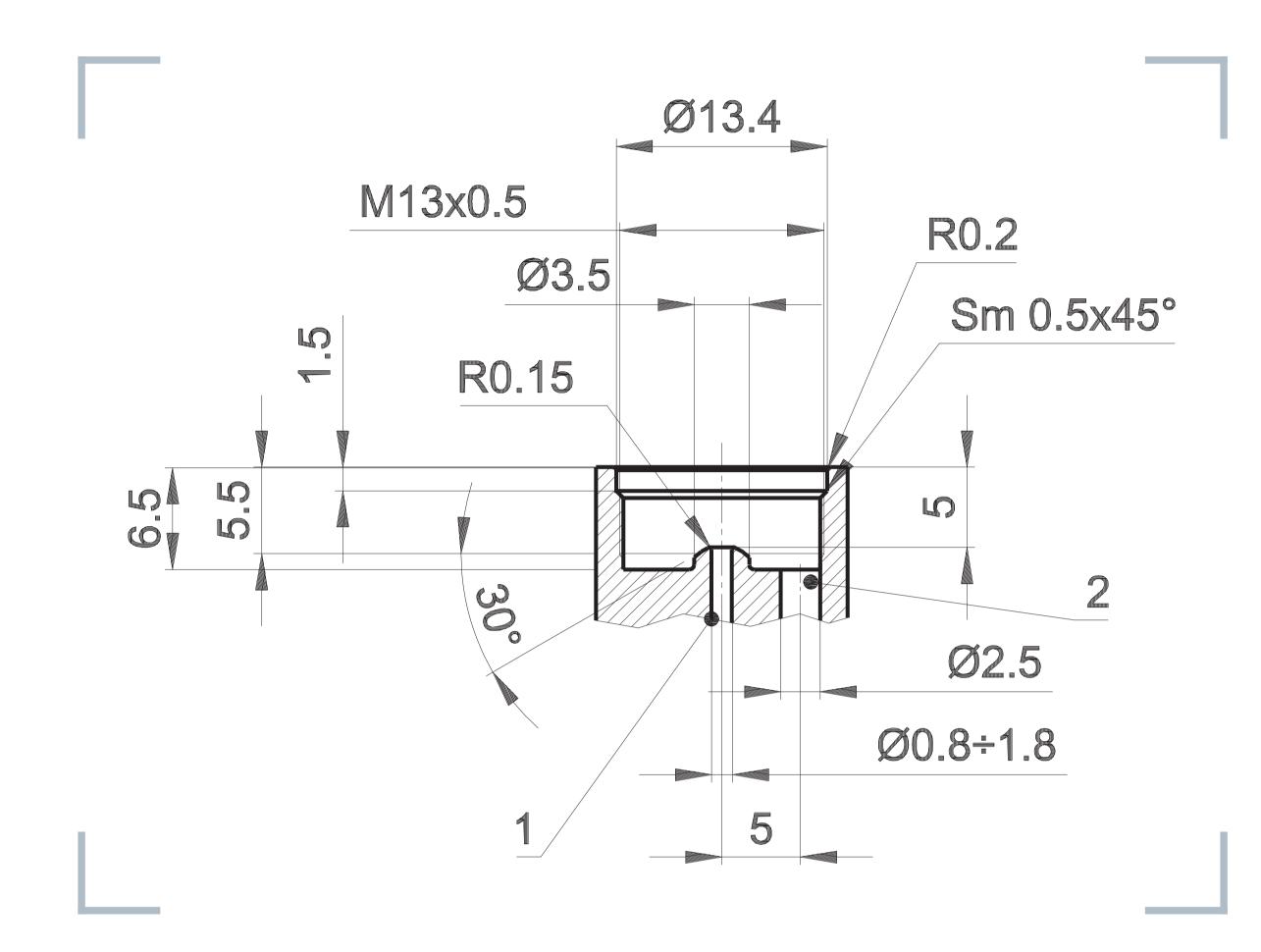
0÷10

NC



A Wrench 14



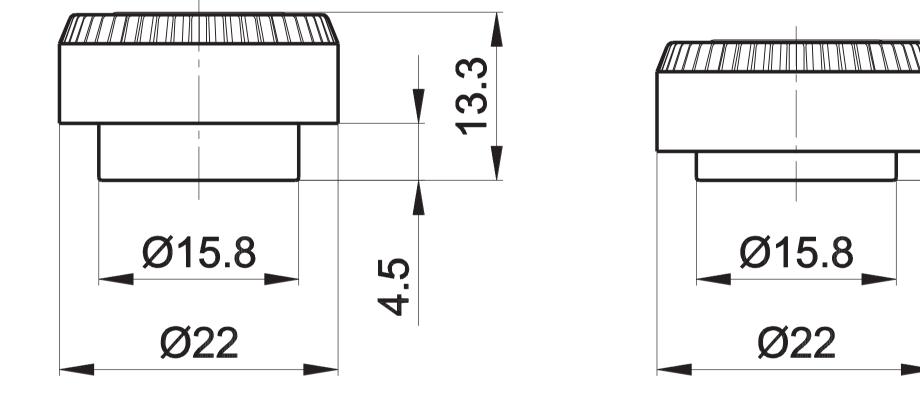


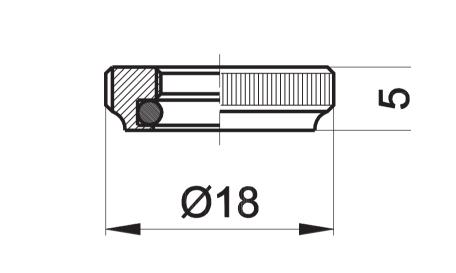
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1 = Supply port 2 = Use

Locking rings for coils on sleeves

	Contraction of the second





3

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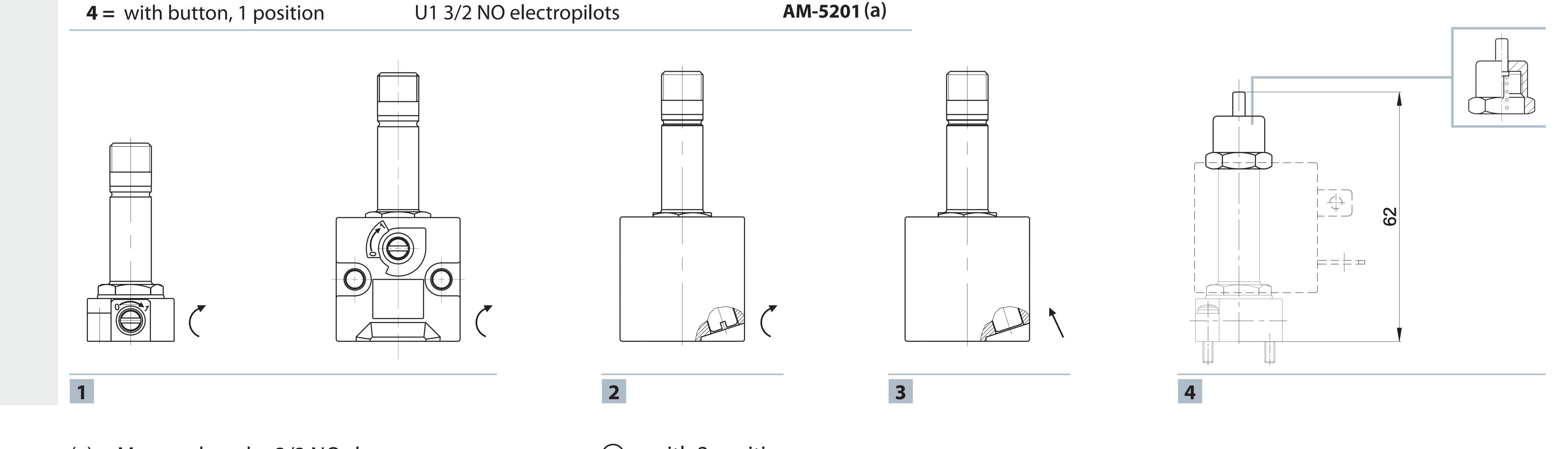
2.3

/ersion	Suitable for sleeves	Material	Coil	Part no.
1 = radial exhausts	3/2 NO	technopolymer	U1	AM-5213A
2 = radial exhausts	3/2 NC	technopolymer	U1	AM-5211A
3 = open exhausts	2/2 NC	brass	U1	AM-5211B

In order to convey exhausts, use version 3

Standard manual overrides

Functionig	Suitable for sleeves	Symbol/Part no.
1 = with 2 position screw	all NC U1 electropilots that can use manual override	\bigcirc
2 = with impulse 1-2 position screw	only CNOMO NC U1 electropilots	\bigcirc
3 = with button with tool	only CNOMO NC U1 electropilots	\rightarrow



(a) = Mounted on the 3/2 NO sleeve

 \bigcirc = with 2 position screw \rightarrow = with button with tool

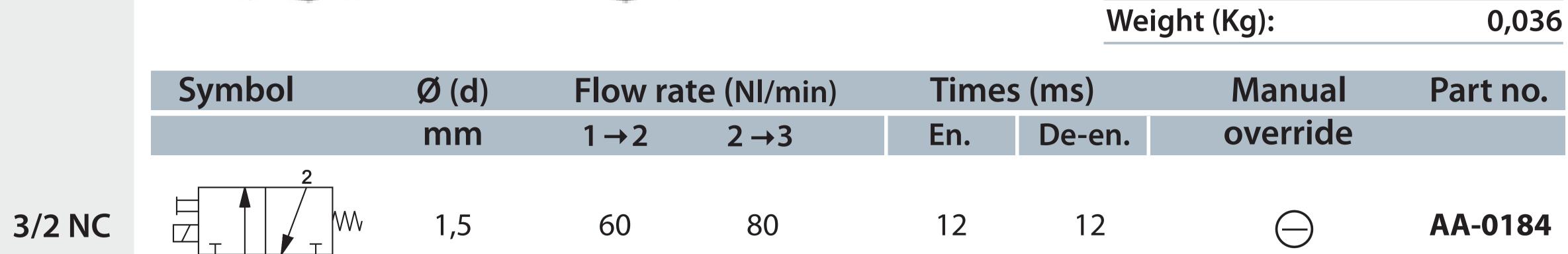
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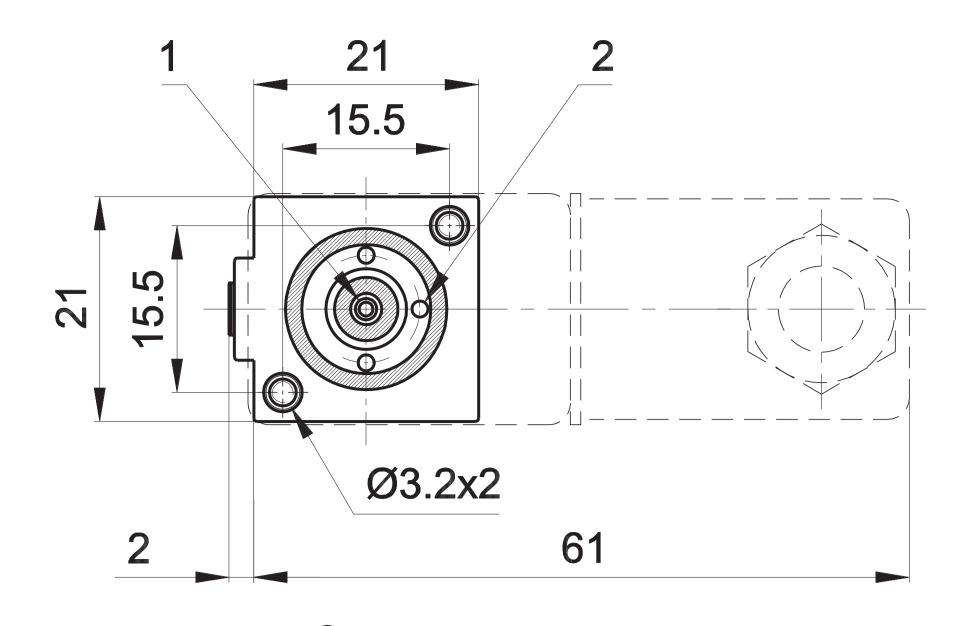
GRANZO K.

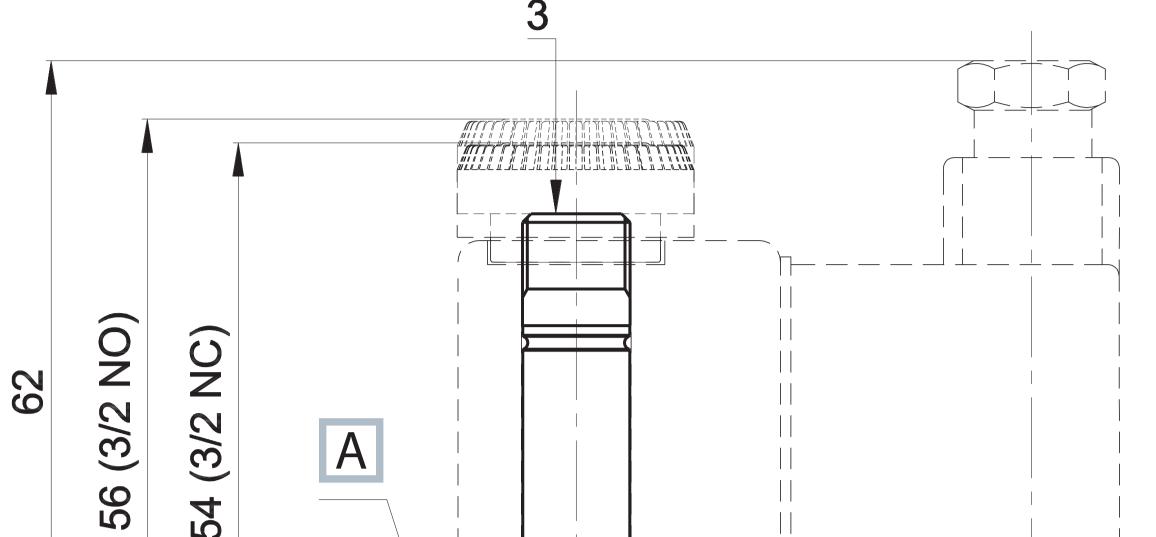
U1 2/2 - 3/2 Electropilot for assembling on sub-base

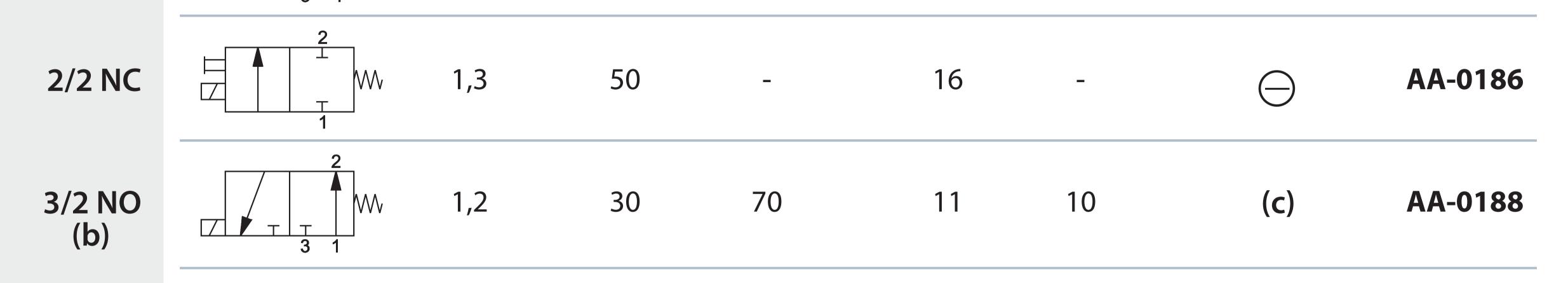
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Material:	
valve body	technopolymer
sleeve	treated brass
core and spring	stainless steel
seals	nitrile rubber



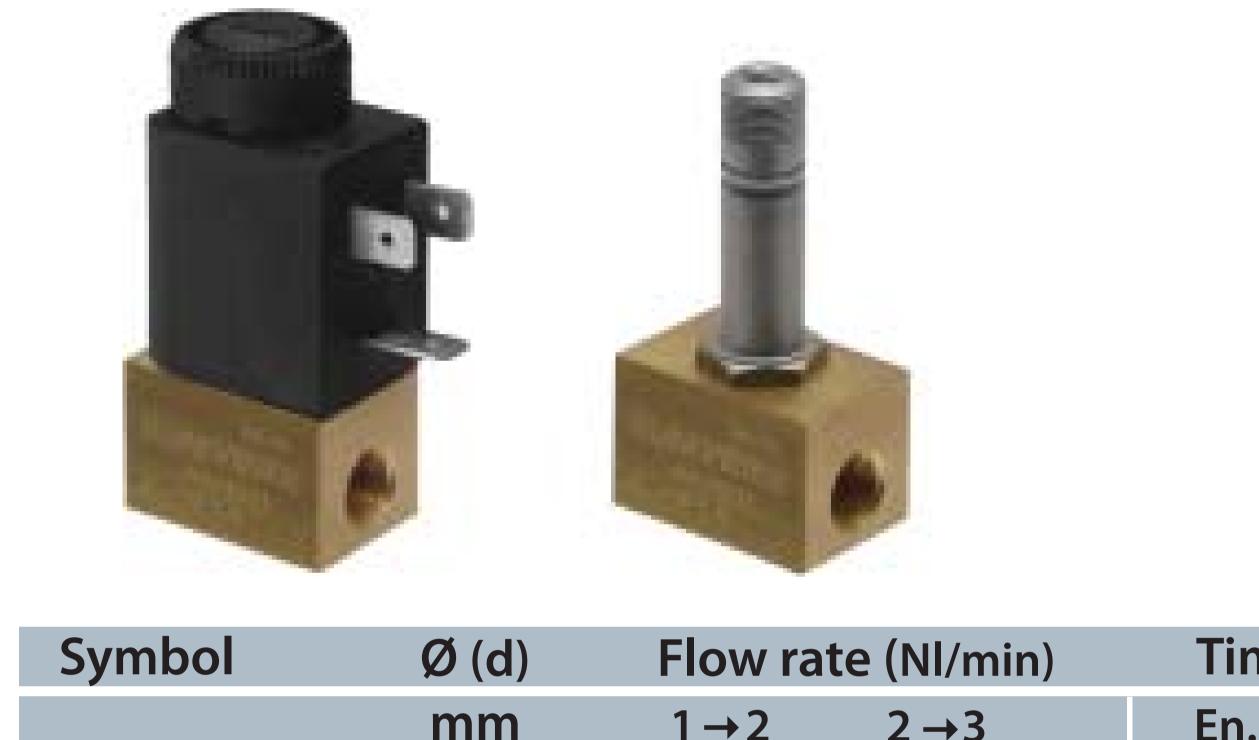




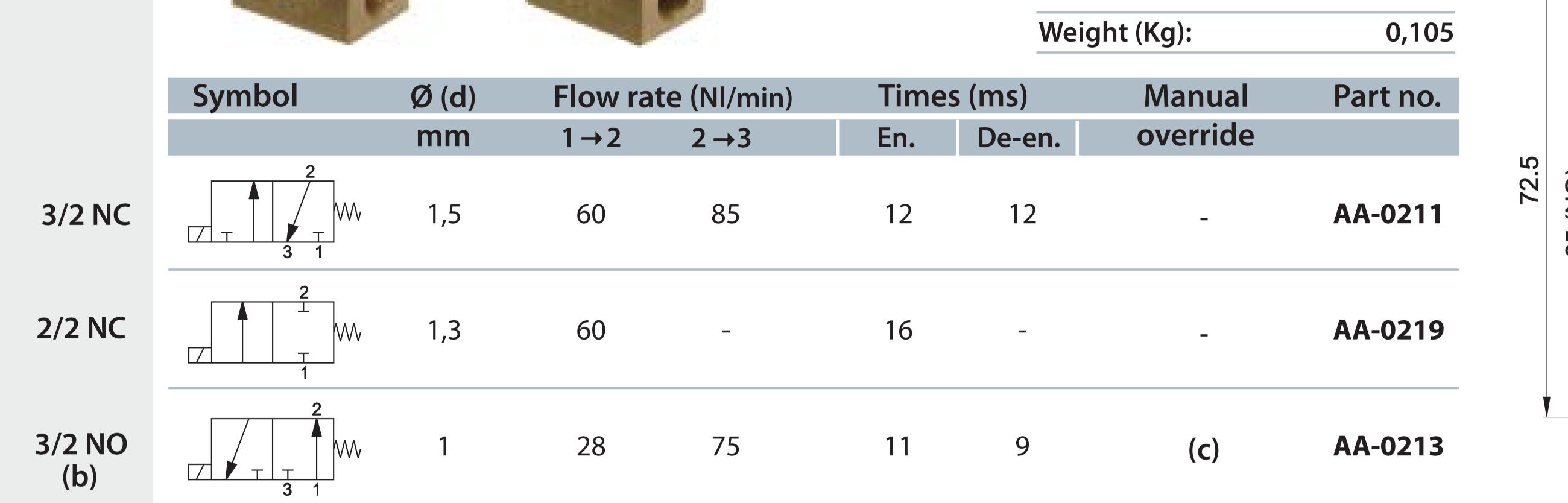


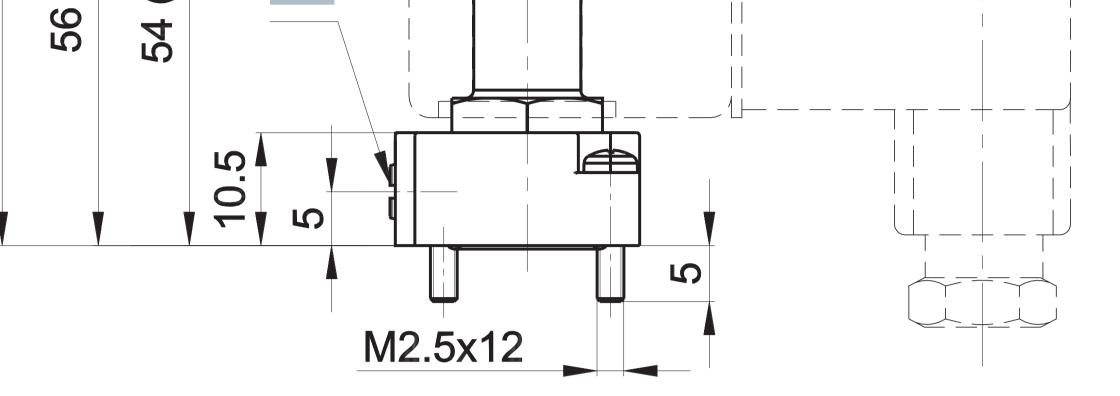
Use SPEED subbase to build Manifolds, see following pages. Available upon request: brass valve body (without manual override), zamak valve body, stainless steel sleeve, other inner diameters.

U1 2/2 - 3/2 G1/8 Electropilot

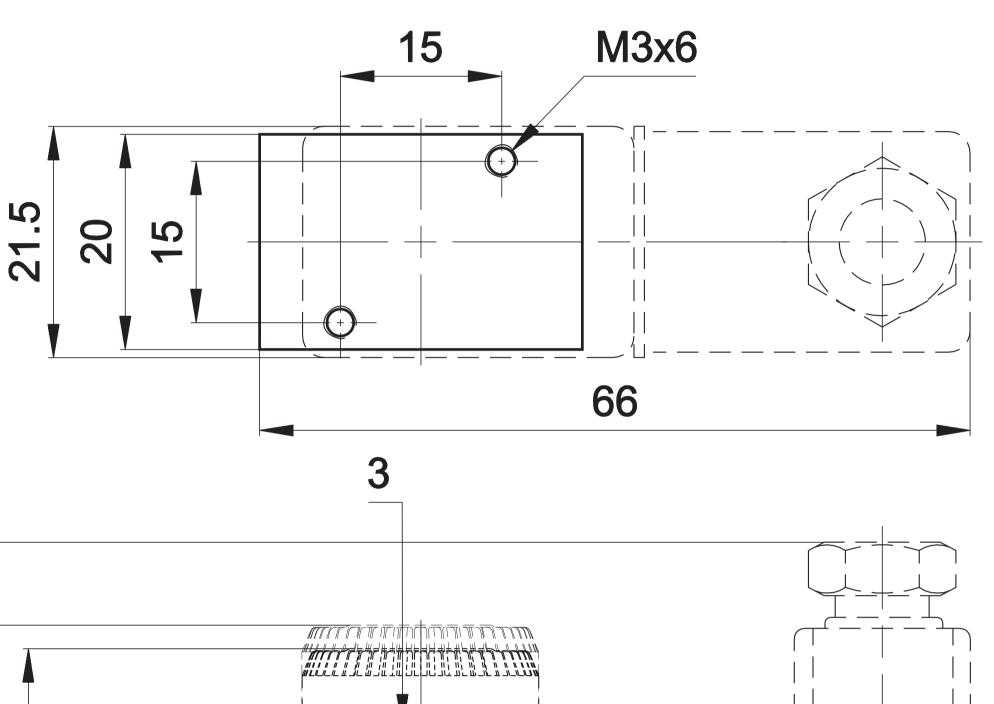


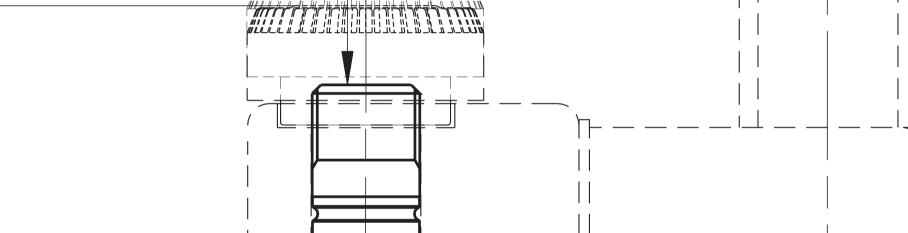
Material:	
valve body	brass
sleeve	treated brass
core and spring	stainless steel
seals	nitrile rubber

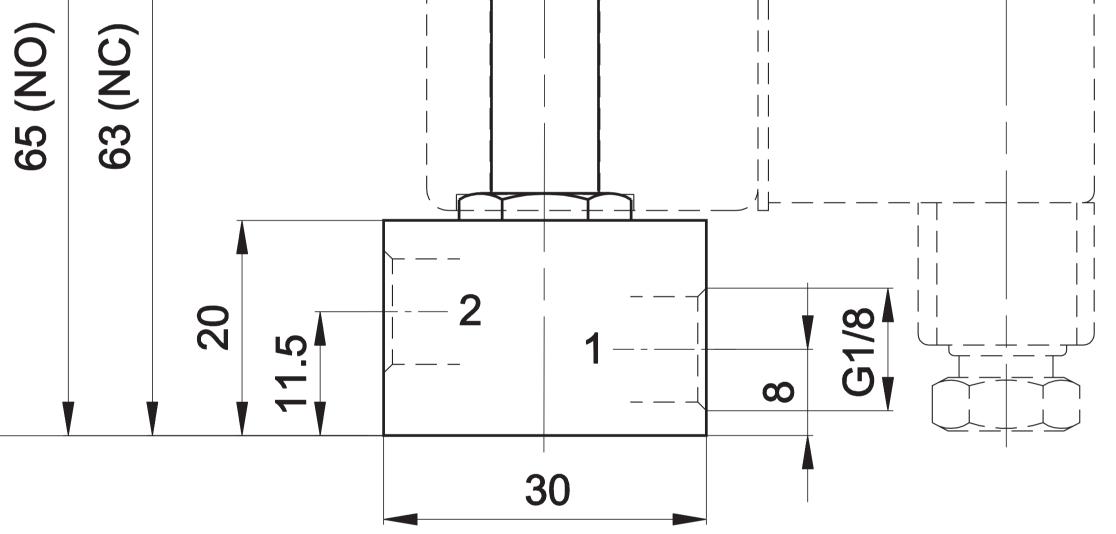






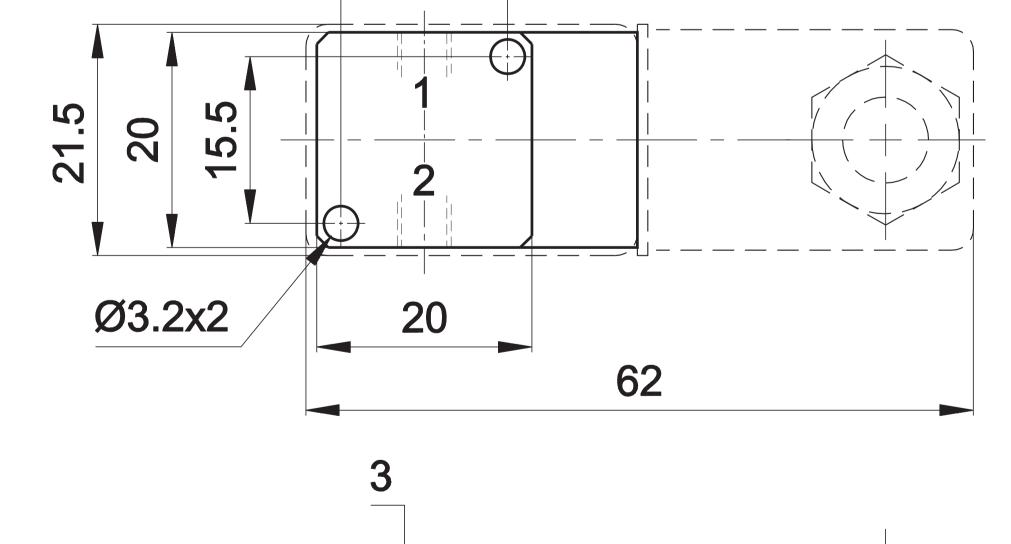






1 =Supply port 2 = Use3 = Exhaust

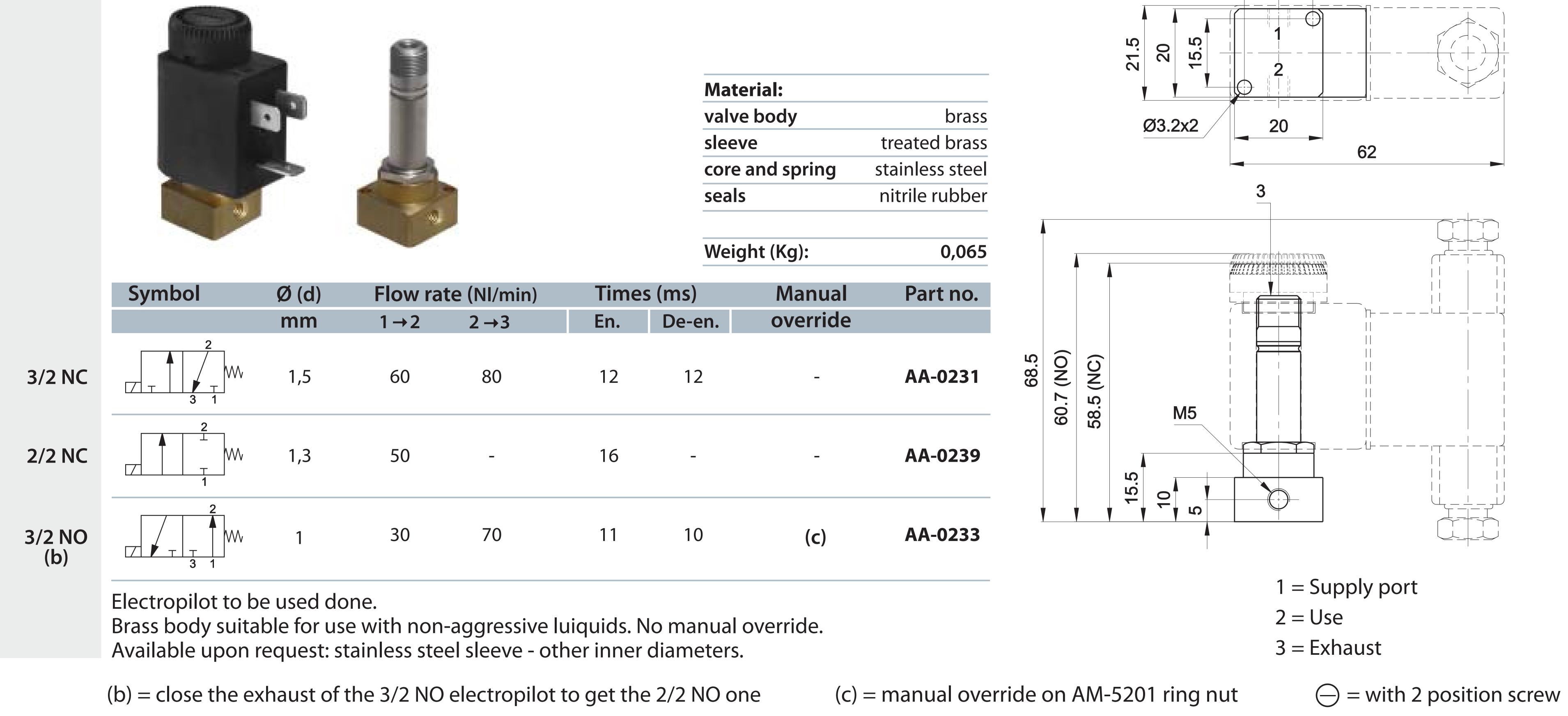




Electropilot to be used done.

Brass body suitable for use with non-aggressive luiquids. No manual override. Available upon request: stainless steel sleeve - other inner diameters.

U1 2/2 - 3/2 M5 Electropilot



Material:	
valve body	brass
sleeve	treated brass
core and spring	stainless stee
seals	nitrile rubber

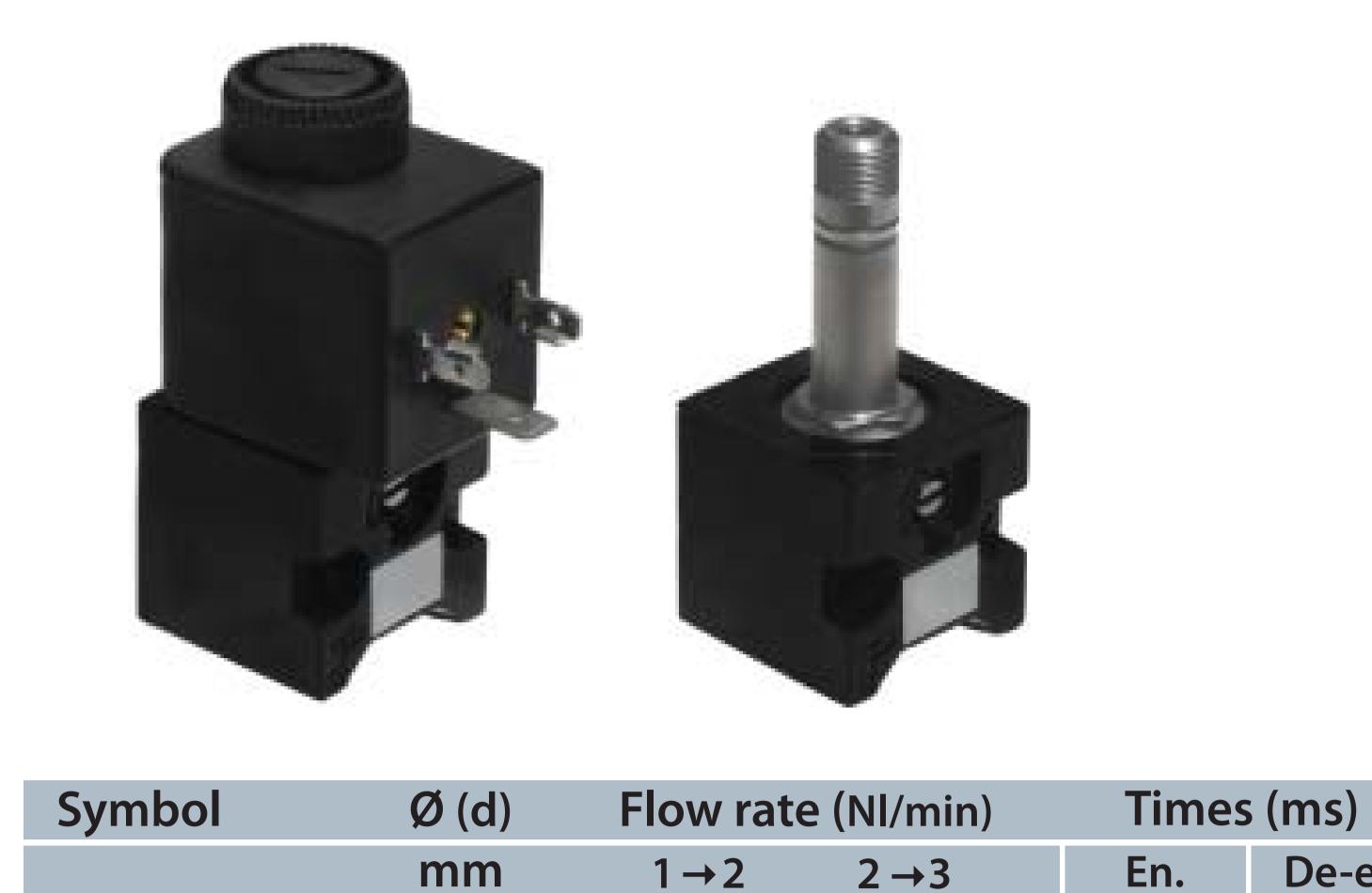
(d) = the Ø shown on the 3/2 valves refers to the exhhaust

Electropiltots are supplied without coil, connector and locking ring

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GRANZO 12

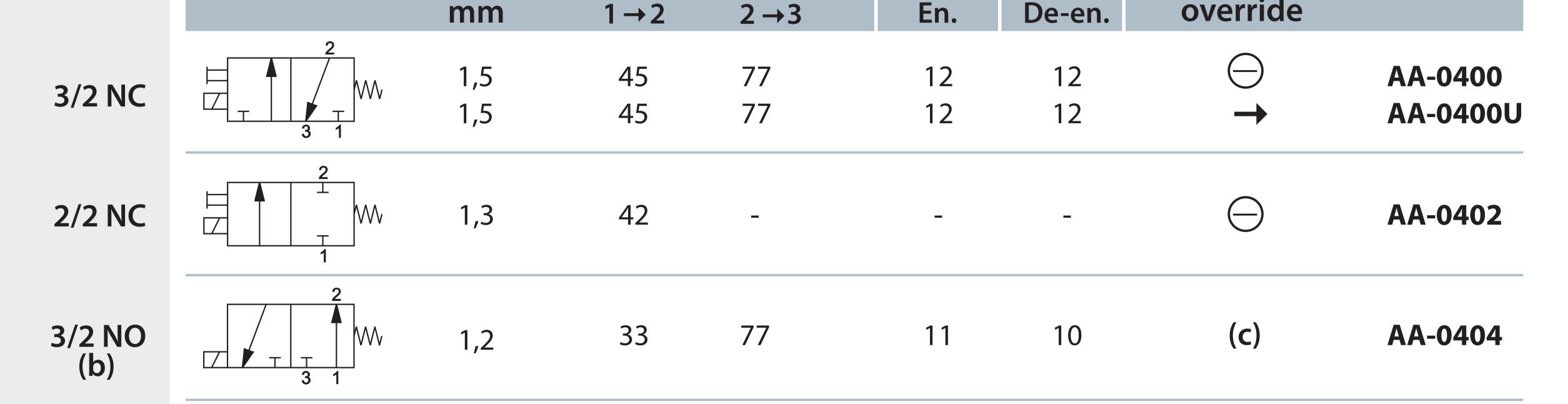
U1 CNOMO 2/2 - 3/2 Electropilot for mounting on sub-bases SPEED U2



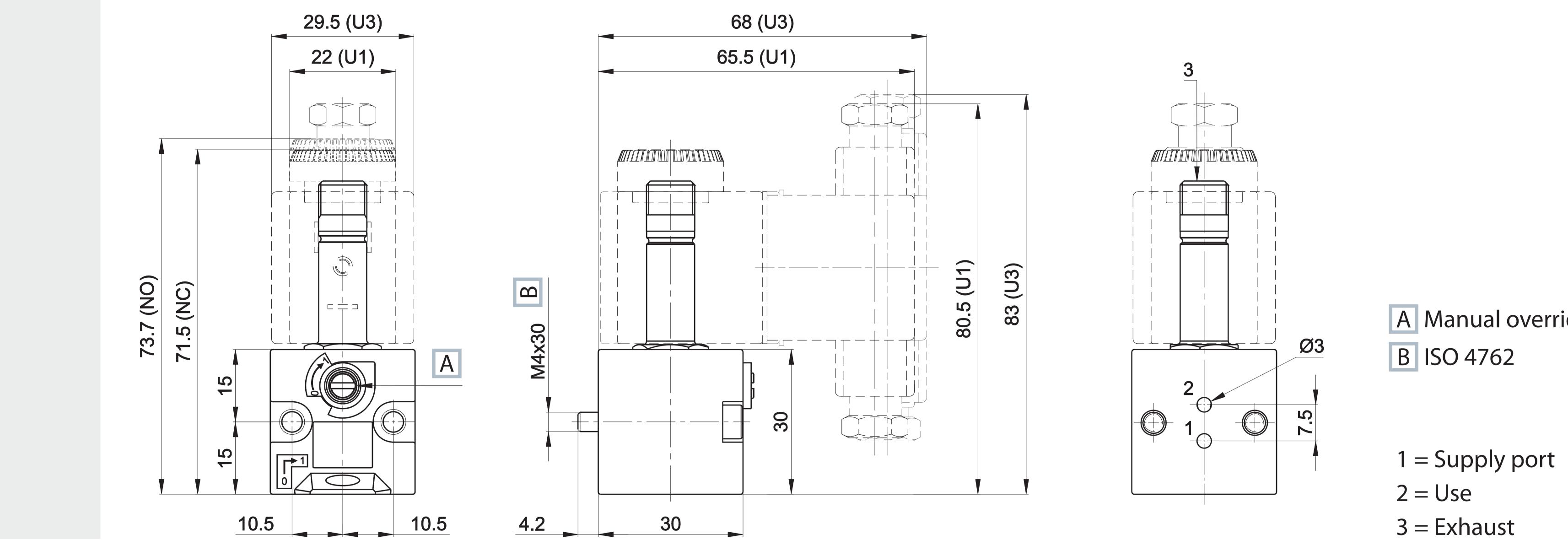
technopolymer
treated brass
stainless steel
nitrile rubber

Weight (Kg):	0,155
Manual	Dart no
Manual	Part no.

override

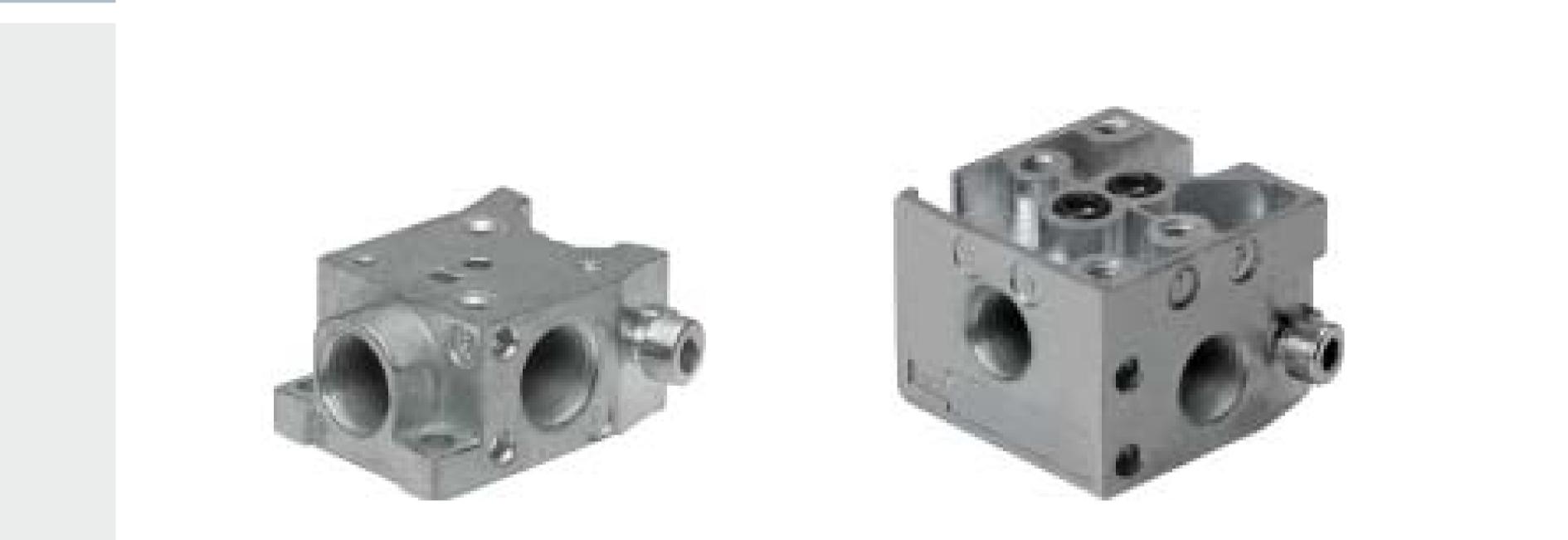


Sub-base: SPEED U2. Available upon request: brass valve body (without manual override). Zamak valve body. Stainless steel sleeve - other inner diameters.



A Manual override

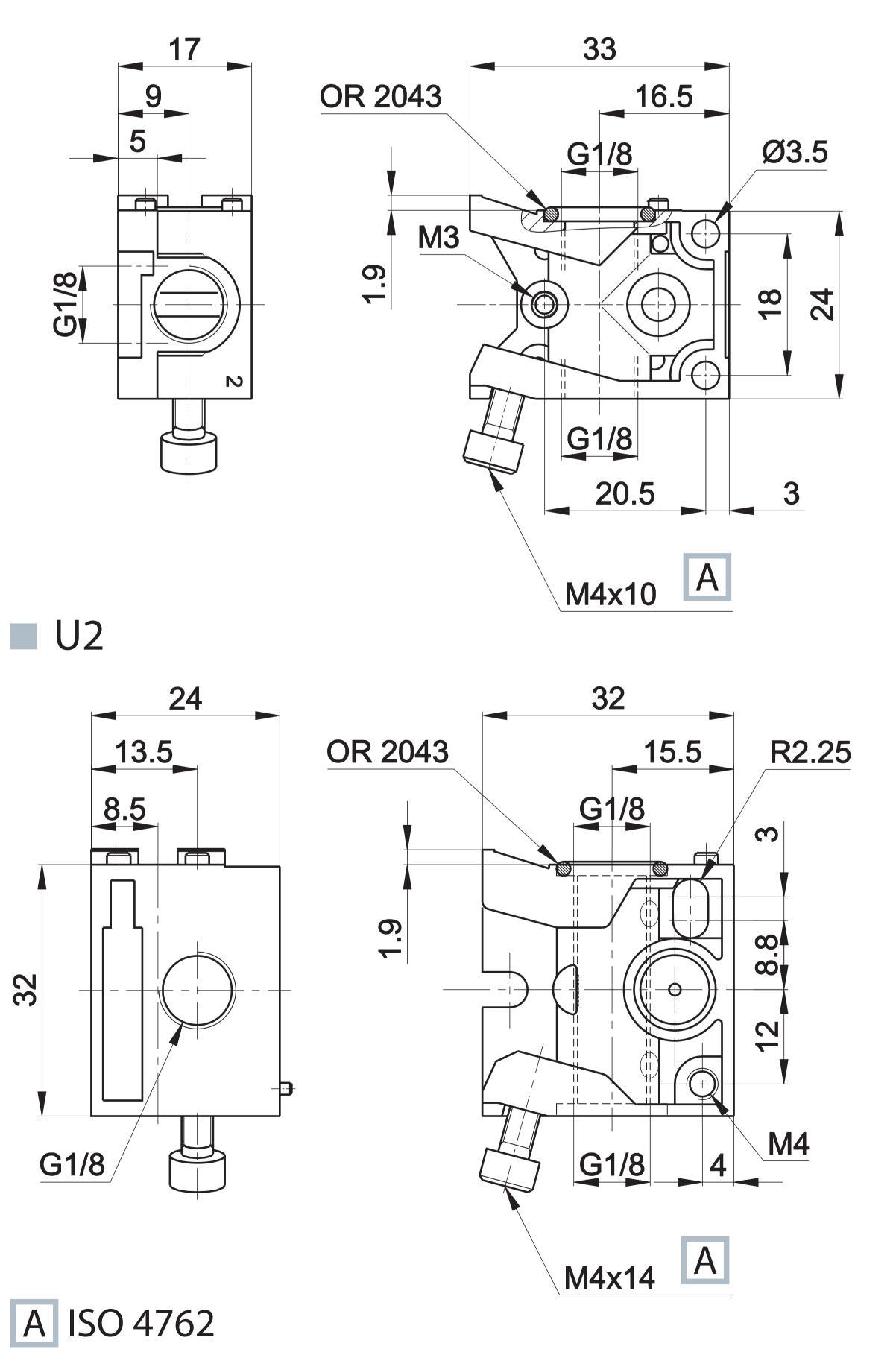
Modular sub-base "SPEED" series U1/U2 G1/8



Electropilot	Connections	Material	Weight	Part no.
			Kg	
U1 for base	G 1/8	zamak	0,037	AA-0450

U1

(c) = manual override on ring nut AM-5201



U2 for base	G 1/8	zamak	0,075	AB-0900

Advantages

The original UNIVER "Speed" series was designed to solve some operational problems

- Possibility of defining the number of sub-bases at the moment of use
- Possibility of freely increasing or reducing the number of elements
- Quick assembly with special screw (built-in) standard supplied
- Reduction of stock holding
- Easy technical intervention

Air supply is rotated by 90° in comparison with side consumption Standard (built-in) screw and O-Ring

When assembling the manifold, put the bases on a flat surface and tighten the screw until the manifold is perfecty aligned.

(b) = close the exhaust of the 3/2 NO electropilot to get the 2/2 NO one (d) = the Ø shown on the 3/2 valves refers to the exhhaust Electropiltots are supplied without coil, connector and locking ring

 \bigcirc = with 2 position screw \rightarrow = with button with tool

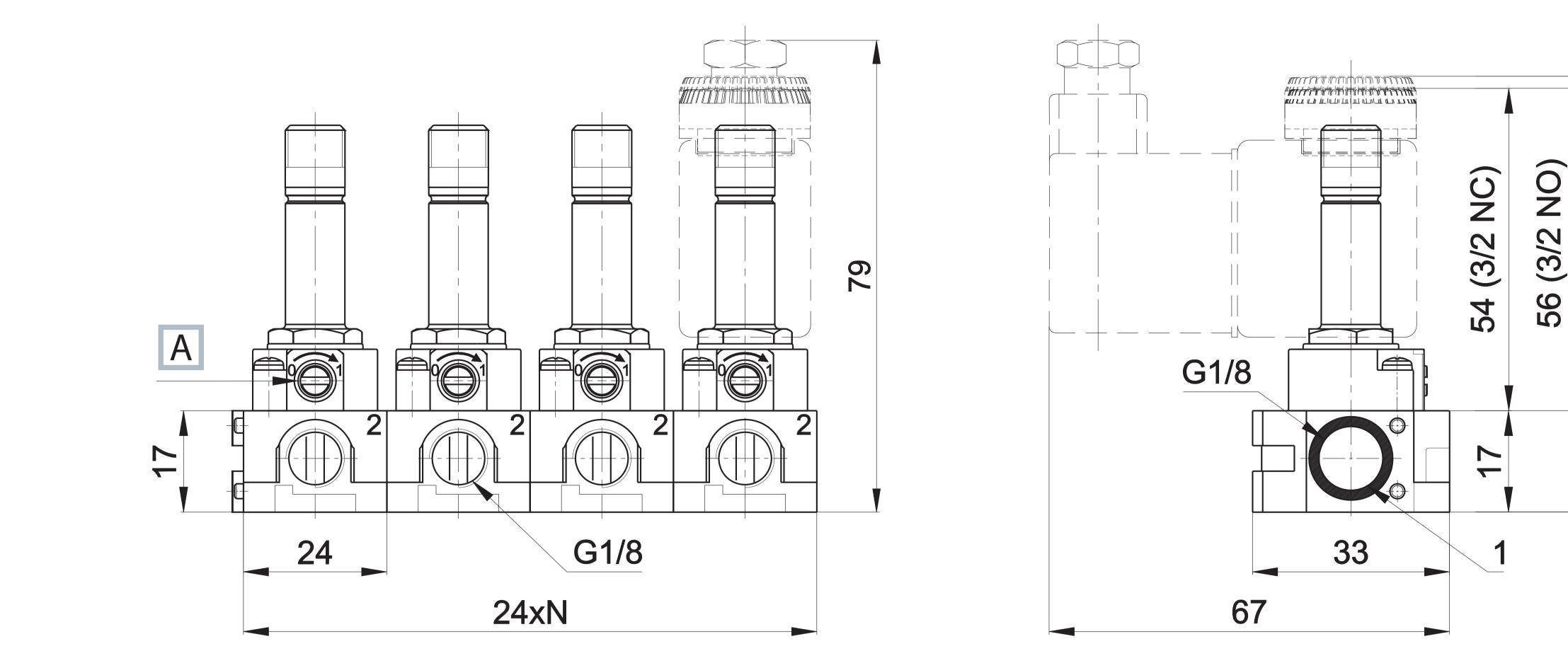


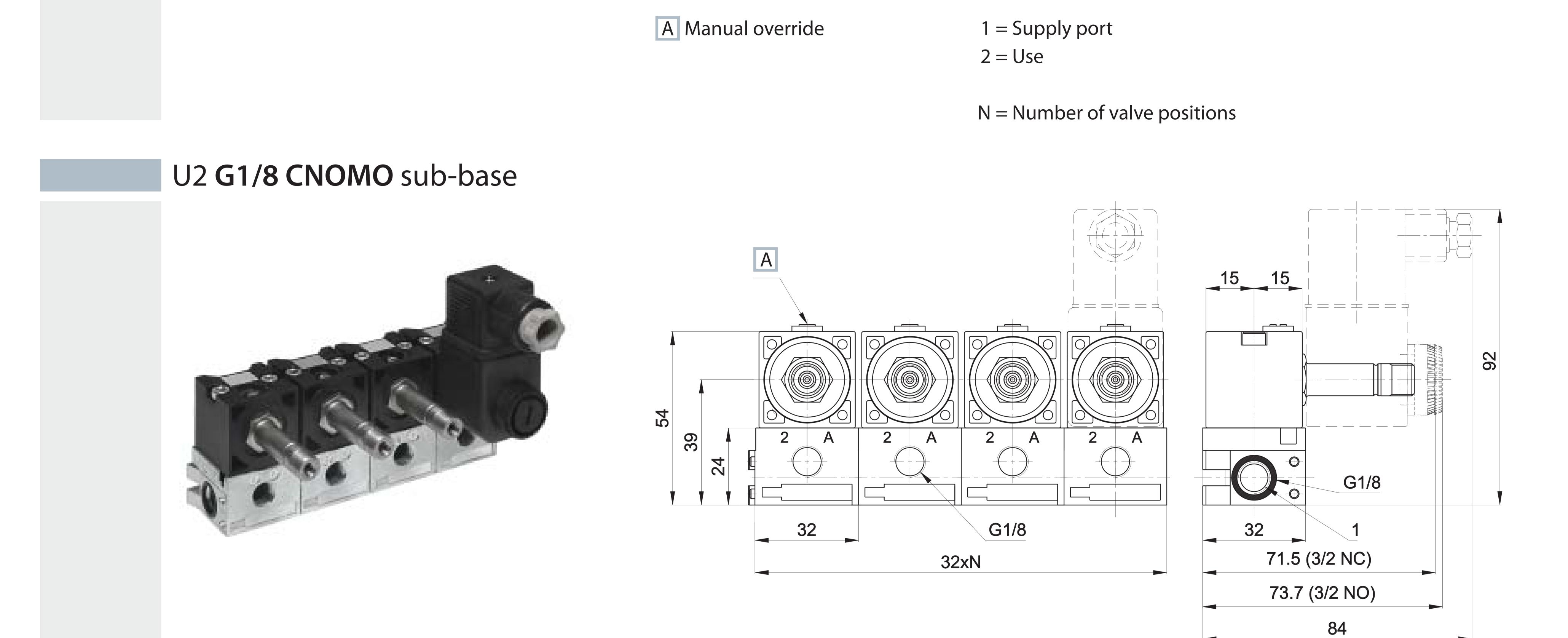
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U1 G1/8 sub-base

AA







A Manual override

1 =Supply port 2 - A = Use

N = Number of valve positions

