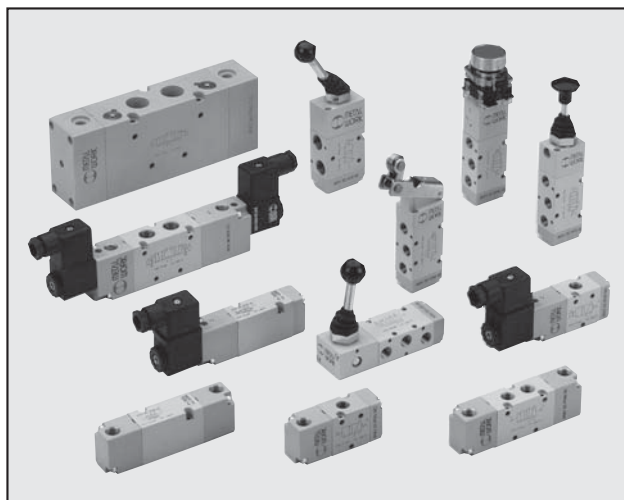




VALVES SERIES 70

This is Metal Work's full range. Available in three sizes: 1/8", 1/4", 1/2". Three versions: 3/2 5/2 5/3, four different types of actuation (mechanical, manual, pneumatic and electric). Series 70 valves can be used for a wide range of applications as they can be mounted in line, on the wall, on the cylinder using a special bracket, or in series on a multiple or manifold base.

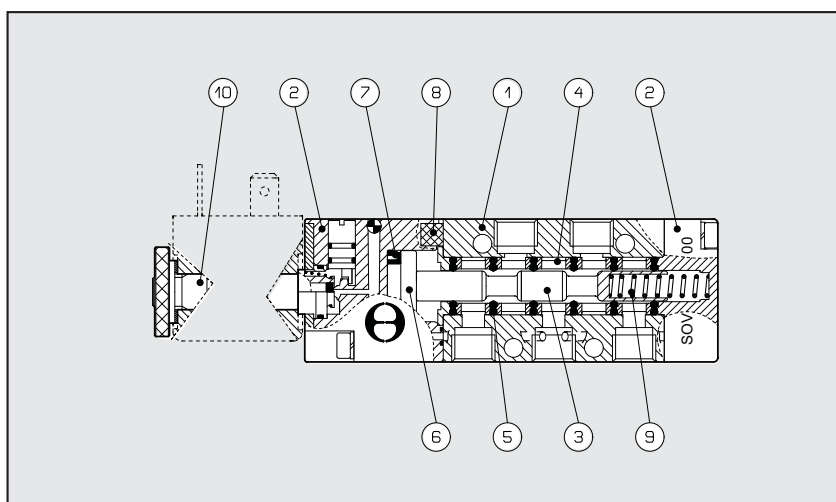


2

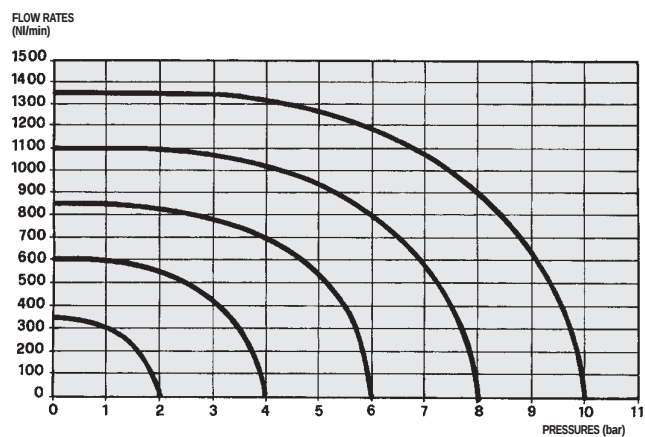
TECHNICAL DATA	1/8"	1/4"	1/2"
Fluid	Filtered air without lubrication; lubrication, if used, must be continuous		
Thread on the valve ports	G 1/8	G 1/4	G 1/2
Operating pressure:			
• monostable		2.5 ÷ 10 bar	
• bistable		1 ÷ 10 bar	
• asserved		vacuum ÷ 10 bar	
Minimum pilot pressure		2.5 bar	
Operating temperature range		-10°C ÷ +60°C	
Nominal diameter	5 mm	7.5 mm	15 mm
Conductance C	121.43 NI/min · bar	264.26 NI/min · bar	971.43 NI/min · bar
Critical ratio b	0.32 bar/bar	0.27 bar/bar	0.43 bar/bar
Flow rate at ΔP 0.5 bar	400 NI/min	750 NI/min	3,200 NI/min
Flow rate at ΔP 1 bar	550 NI/min	1100 NI/min	4,600 NI/min
Installation	In any position (vertical assembly is not recommended for bistable valves subjected to vibration)		
Recommended lubricant	ISO and UNI FD 22		
Maximum coil nut torque	1 Nm		
Compatibility with oils: please refer to page 6.1/08			

COMPONENTS

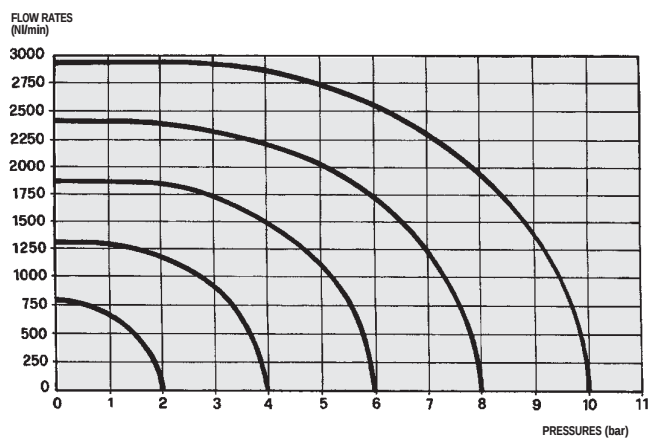
- ① VALVE BODY: Aluminium
- ② CONTROL/END CAP: HOSTAFORM®
- ③ SPOOL: chemically nickel-plated aluminium
- ④ DISTANCE PLATES: plastic
- ⑤ GASKETS: Nitrile rubber NBR
- ⑥ PISTONS: HOSTAFORM®
- ⑦ PISTON GASKET: Nitrile rubber NBR
- ⑧ FILTER: sintered bronze
- ⑨ SPRINGS: special steel
- ⑩ OPERATOR: Brass pipe – Stainless steel core



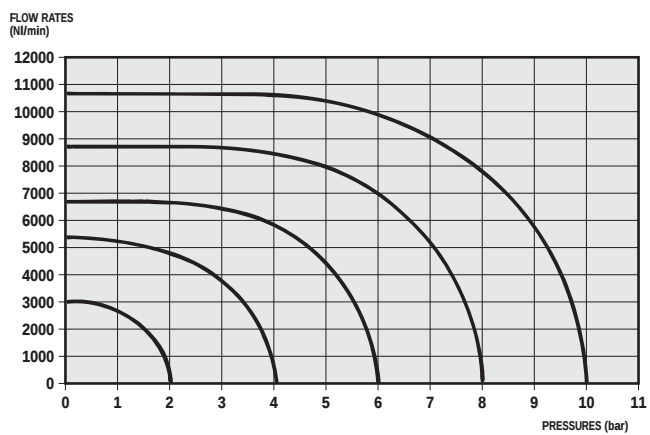
VALVES SERIES 70, 1/8"



VALVES SERIES 70, 1/4"



VALVES SERIES 70, 1/2"

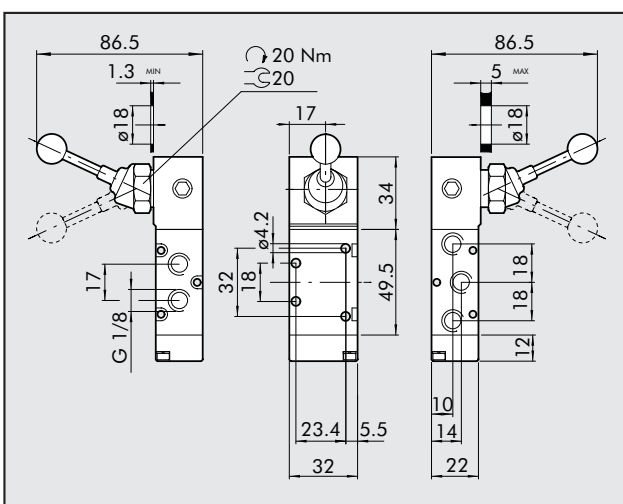




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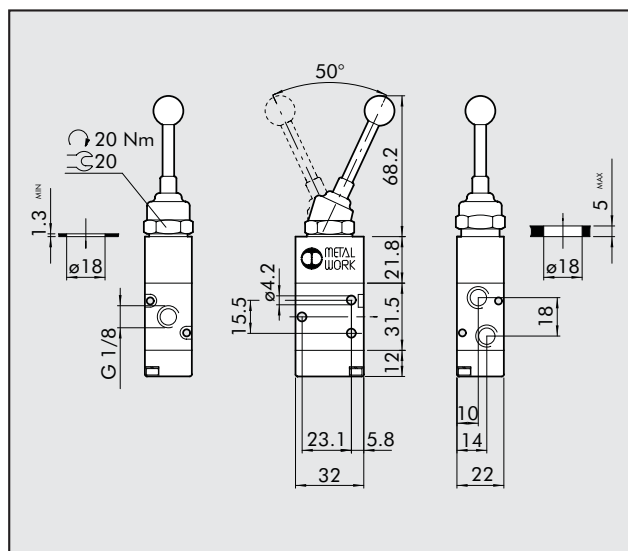
VALVES SERIES 70, HAND OPERATED, 1/8"

90° LEVER 3/2 1/8"



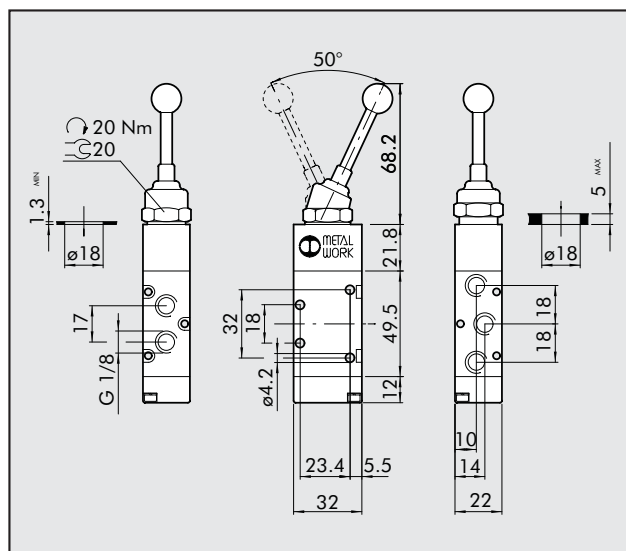
Symbol	Abbrev.	Code	Weight [g]
	MAV 25 LES OO	7010000300	194
	MAV 25 LEB OO	7010000400	197

FRONT LEVER 3/2, 1/8"



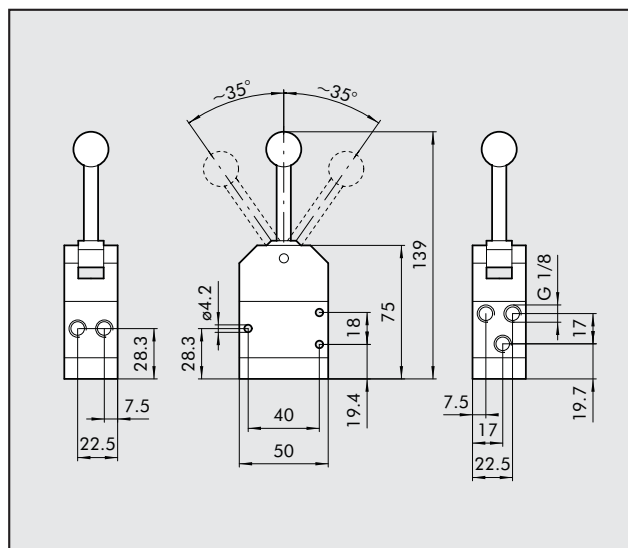
Symbol	Abbrev.	Code	Weight [g]
	MAV 23 VLB OO	7010001400	130

FRONT LEVER 5/2, 1/8"



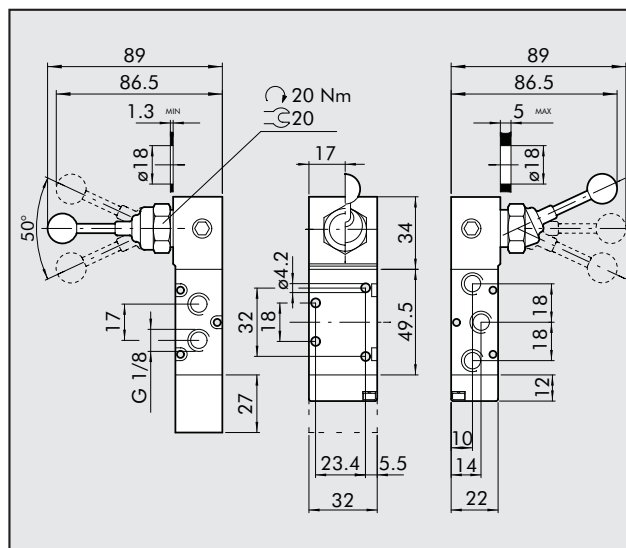
Symbol	Abbrev.	Code	Weight [g]
	MAV 25 VLB OO	7010001700	156

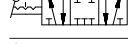
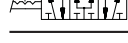
FRONT LEVER 5/3, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MAV 28 VLO OC	7010001150	316
	MAV 28 VLS OC	7010001160	325

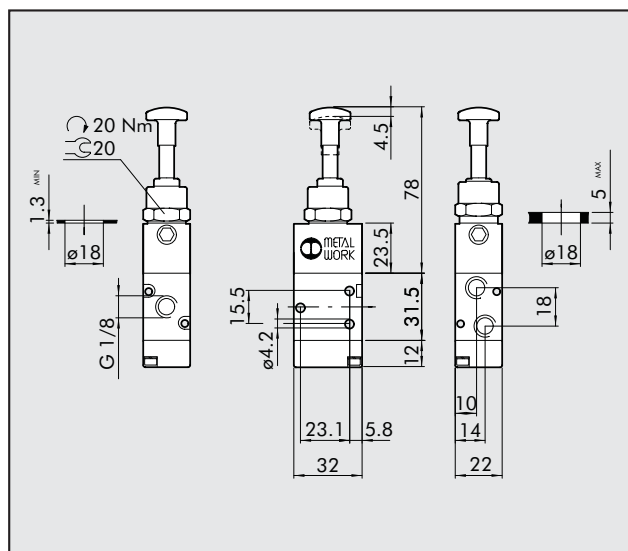
ANGULAR LEVER 5/3, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MAV 26 LES CC	7010001000	242
	MAV 26 LES OC	7010000900	242
	MAV 26 LES PC	7010001100	242
	MAV 26 LEO CC	7010000500	194
	MAV 26 LEO OC	7010000600	194
	MAV 26 LEO PC	7010000700	194

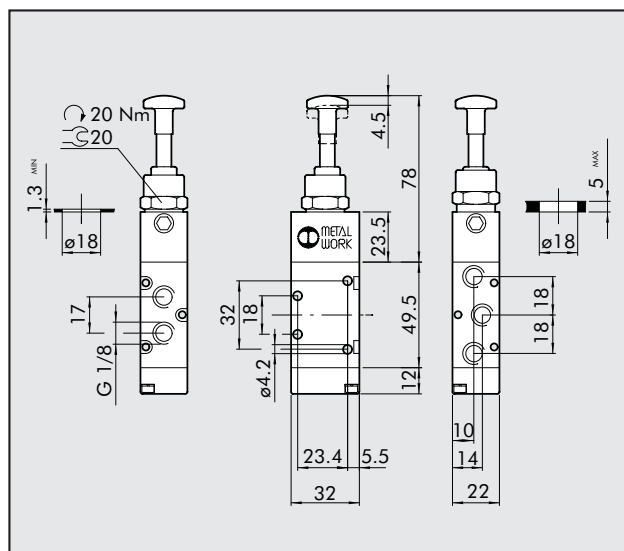


DRAWER 3/2, 1/8"



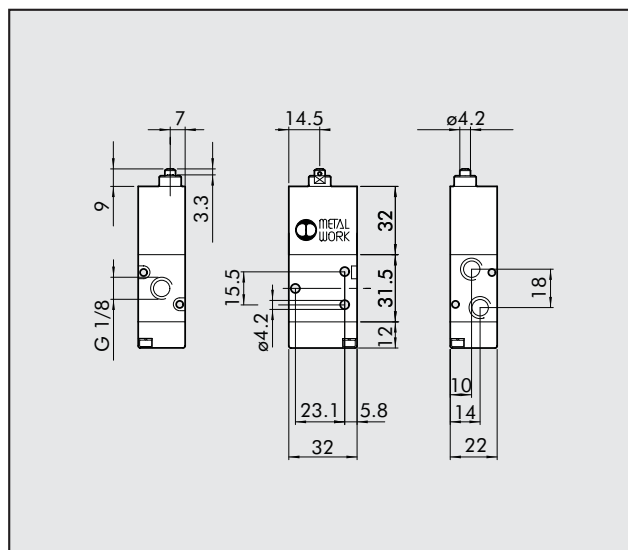
Symbol	Abbrev.	Code	Weight [g]
	MAV 23 PPB OO	7010001300	134
	MAV 23 PPS NC	7010001200	134

DRAWER 5/2



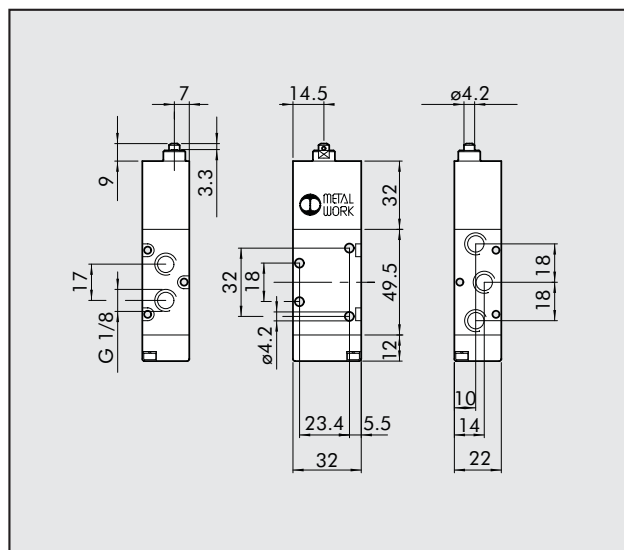
Symbol	Abbrev.	Code	Weight [g]
	MAV 25 PPB OO	7010001600	160
	MAV 25 PPS OO	7010001500	160

PILOT-ASSISTED PLUNGER 3/2 1/8" FOR PANEL ACTUATORS



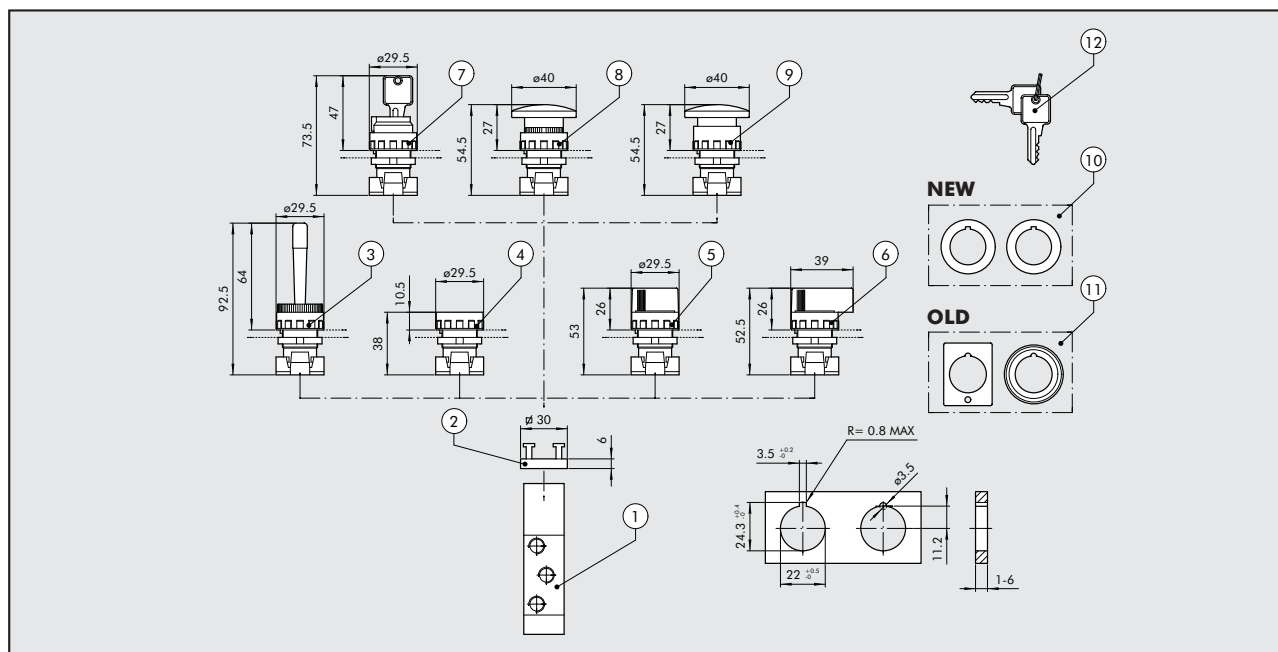
Symbol	Abbrev.	Code	Weight [g]
	MAV 23 BRE NC	7010001800	124

PILOT-ASSISTED PLUNGER 5/2 1/8" FOR PANEL ACTUATORS



Symbol	Abbrev.	Code	Weight [g]
	MAV 25 BRE OO	7010001900	150

ASSEMBLY DIAGRAM FOR PILOT-ASSISTED HAND-OPERATED VALVES SERIES 70 WITH PANEL ACTUATORS



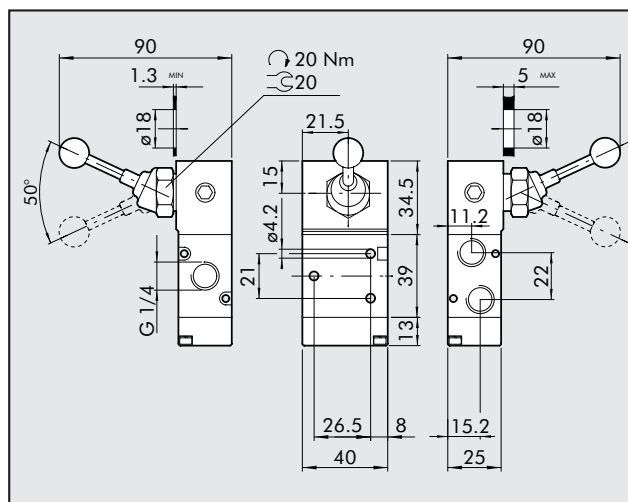
ORDERING CODES

Symbol	Reference	Description	Code	Weight [g]
	①	Pilot-assisted plunger 3/2, 1/8"	7010001800	124
	①	Pilot-assisted plunger 5/2, 1/8"	7010001900	150
	②	2 places adaptor thickness 6.8 mm	0351000050	5
	③	Red handler with horizontally pivoted lever	W0351000015	25
	④	Fat push button + 2 red/black coloured disks ◆ Bistable fat push button without disk	W0351000011	15
	⑤	Black selector short lever at 2 positions with return	W0351000030	20
	⑤	Black selector short lever at 2 positions	W0351000031	20
	⑤	Black selector short lever at 3 positions with return	W0351000032	20
	⑤	Black selector short lever at 3 positions	W0351000033	20
	⑥	Black selector long lever at 2 positions with return	W0351000034	26
	⑥	Black selector long lever at 2 positions	W0351000035	26
	⑥	Black selector long lever at 3 positions with return	W0351000036	26
	⑥	Black selector long lever at 3 positions	W0351000037	26
	⑦	2 positions key selector with extractable key in 2 positions	W0351000016	50
	⑦	2 positions key selector with extractable key in 0	W0351000018	50
	⑧	Red mushroom-head push button ø40	W0351000013	27
	⑧	Black mushroom-head push button ø40	W0351000017	27
	⑨	Red mushroom-head push button with lock ø40	W0351000014	29
	⑩	✚ Reducer from 30 to 22.5 mm	W0351000049	
	⑪	▲ Adapter for bore ø30 G2326	W0351000050	
	⑫	✚ key for ESC selectors	W0351000021	
		Green disk for push button ④	W0351000056	
◆ It can't be supplied. As working replaced by selector with bistable short lever at 2 positions ⑤				
✚ Usable only with technopolymer body selectors				
▲ Usable only with metal body selectors				



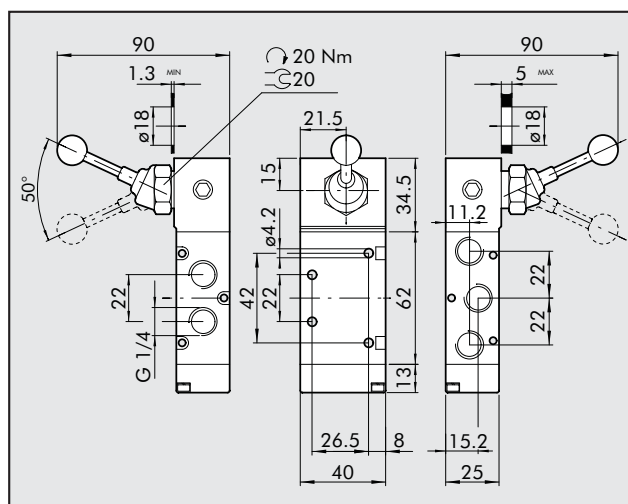
VALVES SERIES 70, HAND-OPERATED, 1/4"

90° LEVER 3/2, 1/4"



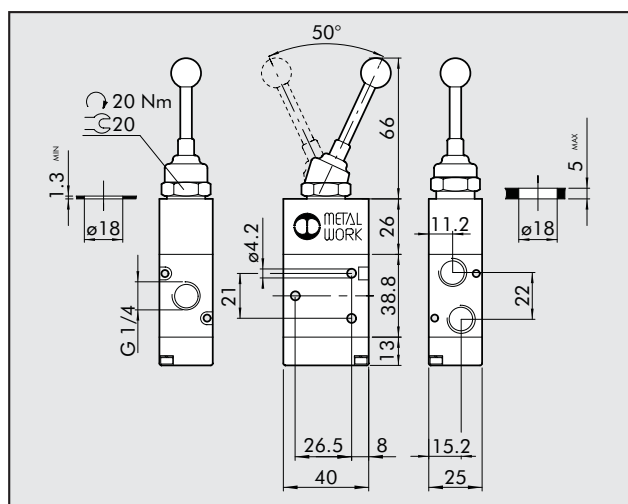
Symbol	Abbrev.	Code	Weight [g]
	MAV 33 LES NC	7020000100	244
	MAV 33 LEB OO	7020000200	244

90° LEVER 5/2, 1/4"



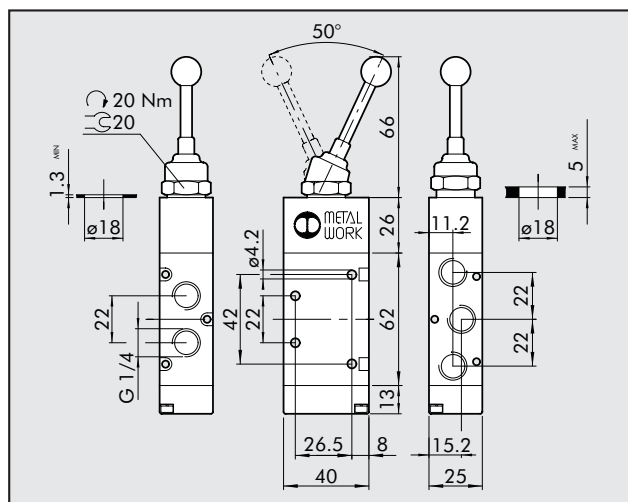
Symbol	Abbrev.	Code	Weight [g]
	MAV 35 LES OO	7020000300	290
	MAV 35 LEB OO	7020000400	290

FRONT LEVER 3/2, 1/4"



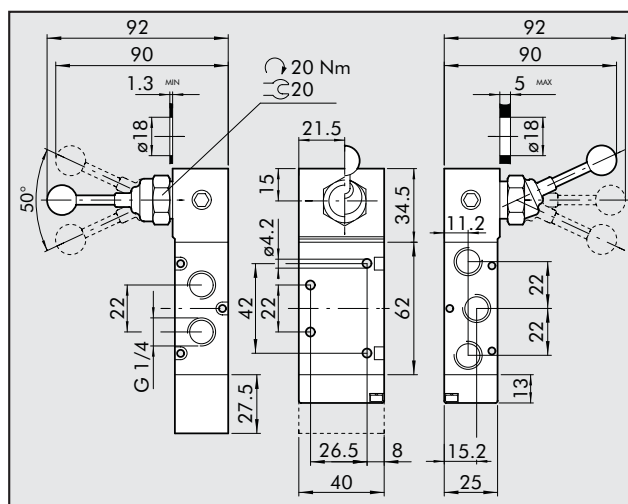
Symbol	Abbrev.	Code	Weight [g]
	MAV 33 VLB OO	7020001400	194

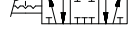
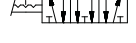
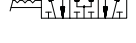
FRONT LEVER 5/2, 1/4"



Symbol	Abbrev.	Code	Weight [g]
	MAV 35 VLB OO	7020001700	244

90° LEVER 5/3, 1/4"

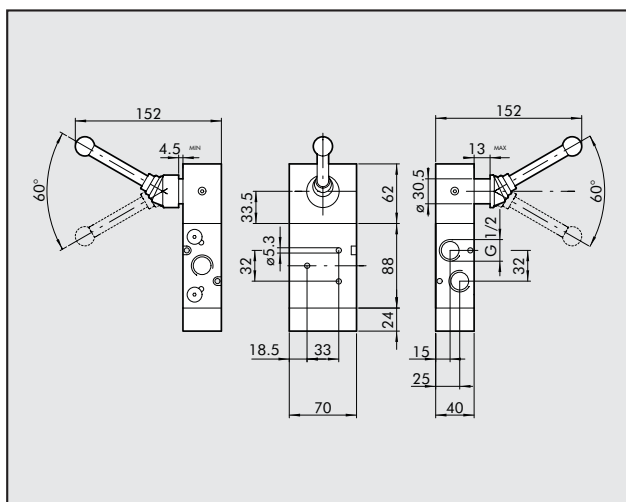


Symbol	Abbrev.	Code	Weight [g]
	MAV 36 LES CC	7020001000	354
	MAV 36 LES OC	7020000900	354
	MAV 36 LES PC	7020001100	354
	MAV 36 LEO CC	7020000500	288
	MAV 36 LEO OC	7020000600	288
	MAV 36 LEO PC	7020000700	288



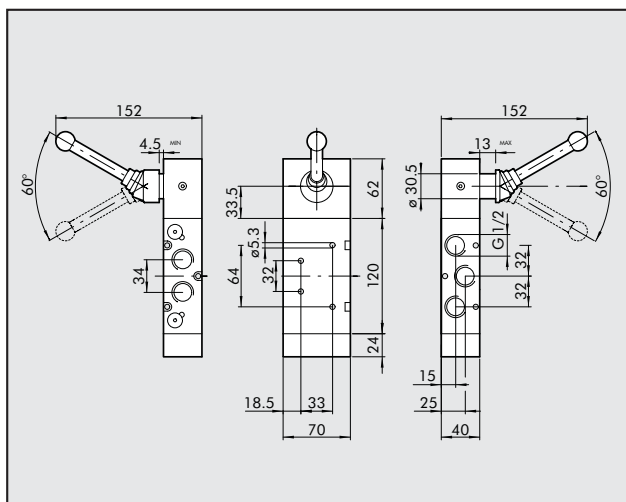
VALVES SERIES 70, HAND OPERATED, 1/2"

90° LEVER 3/2, 1/2"



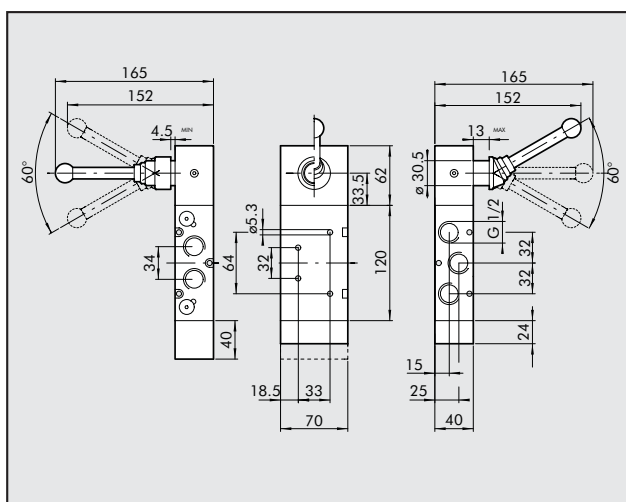
Symbol	Abbrev.	Code	Weight [g]
	MAV 43 LES NC	7030000100	1443
	MAV 43 LEB OO	7030000200	1435

90° LEVER 5/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	MAV 45 LES OO	7030000300	1588
	MAV 45 LEB OO	7030000400	1630

90° LEVER 5/3, 1/2"

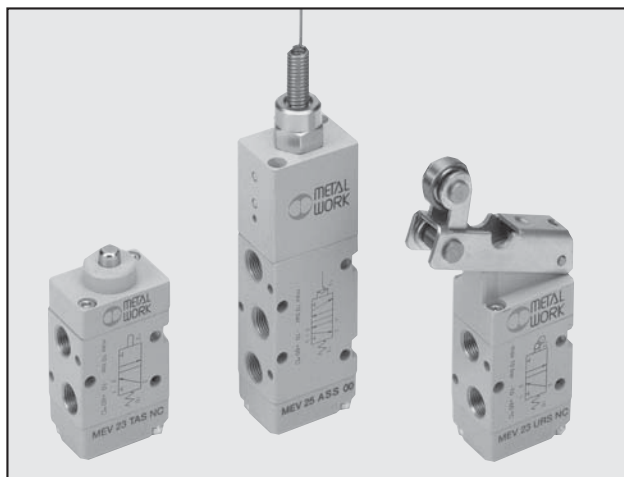


Symbol	Abbrev.	Code	Weight [g]
	MAV 46 LES CC	7030001000	1810
	MAV 46 LES OC	7030000900	1800
	MAV 46 LES PC	7030001100	1800
	MAV 46 LEO CC	7030000500	1615
	MAV 46 LEO OC	7030000600	1605
	MAV 46 LEO PC	7030000700	1605

VALVES SERIES 70, MECHANICALLY OPERATED, 1/8"

TECHNICAL DATA

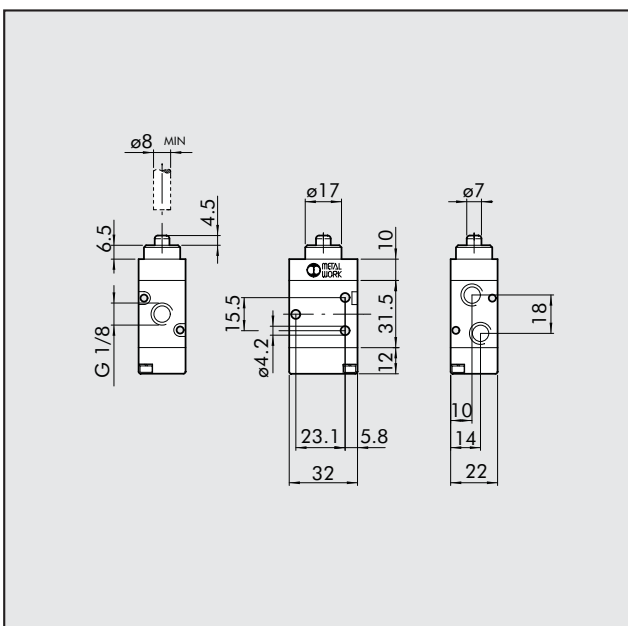
Thread at valve ports	G 1/8
Operation force at 6 Bar:	
• Version with direct control	50 N
• Pilot-assisted Version	6 N
Operating pressure:	
• Version with direct control	Vacuum-10 bar
• Pilot-assisted version	2.5 ÷ 10 bar
Operating temperature range	-10° to 60°C
Nominal diameter	5 mm
Conductance C	121.43 Nl/min · bar
Critical ratio b	0.32 bar/bar
Flow rate at 6 bar ΔP 0.5 bar	400 Nl/min
Flow rate at 6 bar ΔP 1 bar	550 Nl/min

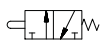


KEY TO CODES AND ORDERING CODES

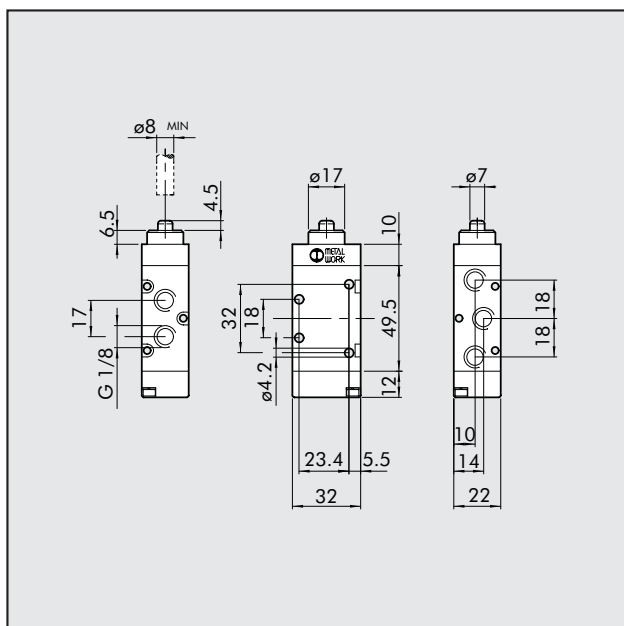
M	E	V	2	3	T	A	S	N	C
FAMILY			PORT	FUNCTION	OPERATORS 14		RESETTING 12	FURTHER DETAILS	
MEV Mechanically-operated I valves			2 1/8"	3 3/2 5 5/2	TA Plunger BR Bidirectional roller UR unidirectional roller TS sensitive plunger RS sensitive roller AS sensitive aerial LL frontal roller lever		S Mechanical spring A pneumatic/ mechanical spring*	NC normally closed OO 5/2	
							*on demand		

PLUNGER 3/2, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MEV 23 TAS NC	7001000100	88

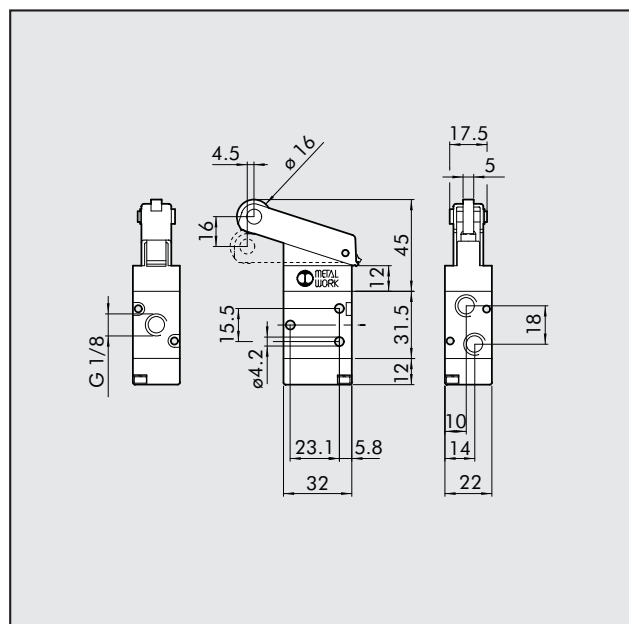
PLUNGER 5/2, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MEV 25 TAS OO	7001000110	114

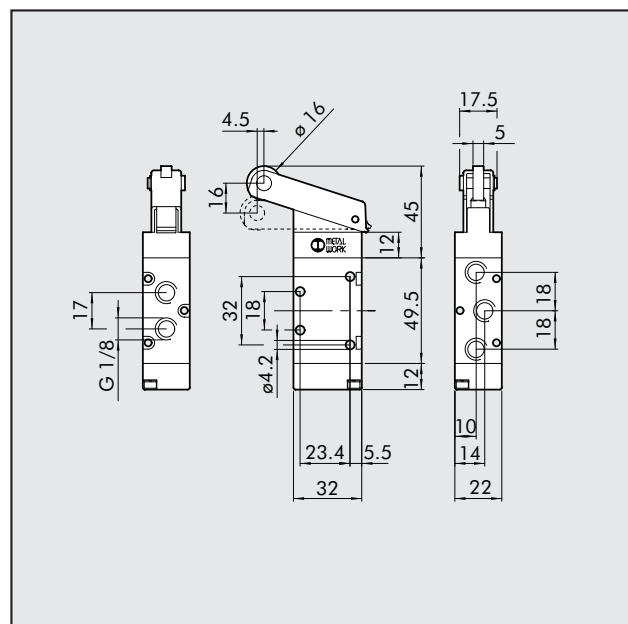


ROLLER LEVER 3/2, 1/8"



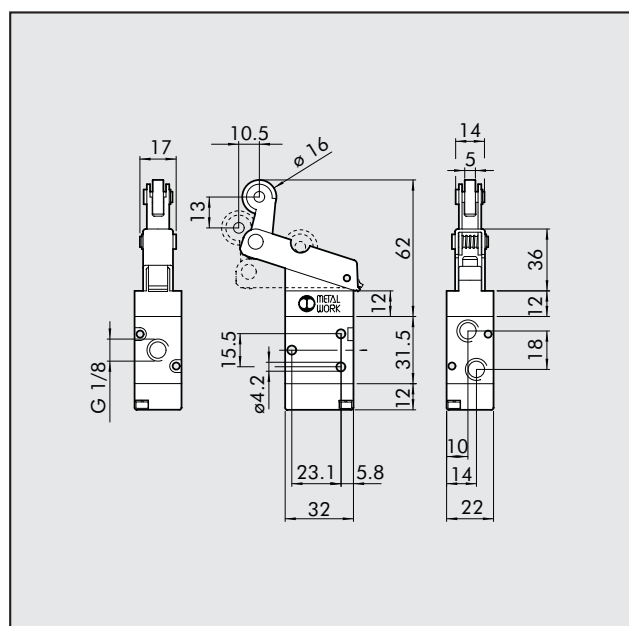
Symbol	Abbrev.	Code	Weight [g]
	MEV 23 BRS NC	7001000500	130

ROLLER LEVER 5/2, 1/8"



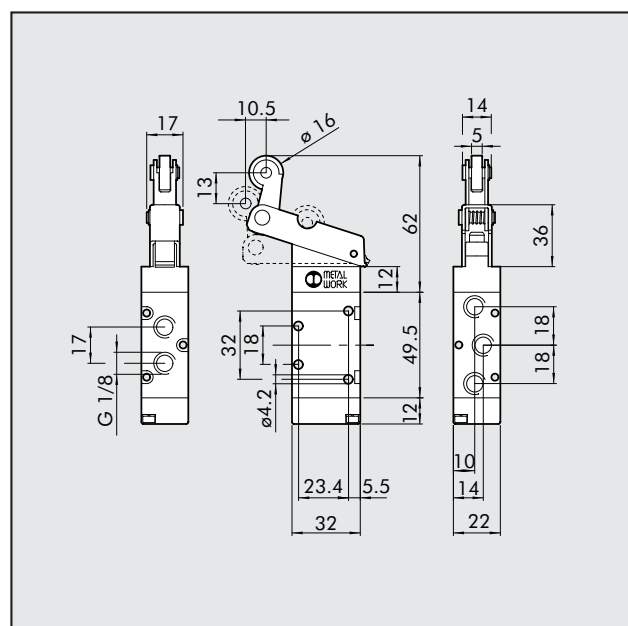
Symbol	Abbrev.	Code	Weight [g]
	MEV 25 BRS OO	7001000510	156

UNIDIRECTIONAL ROLLER 3/2, 1/8" LEVERS



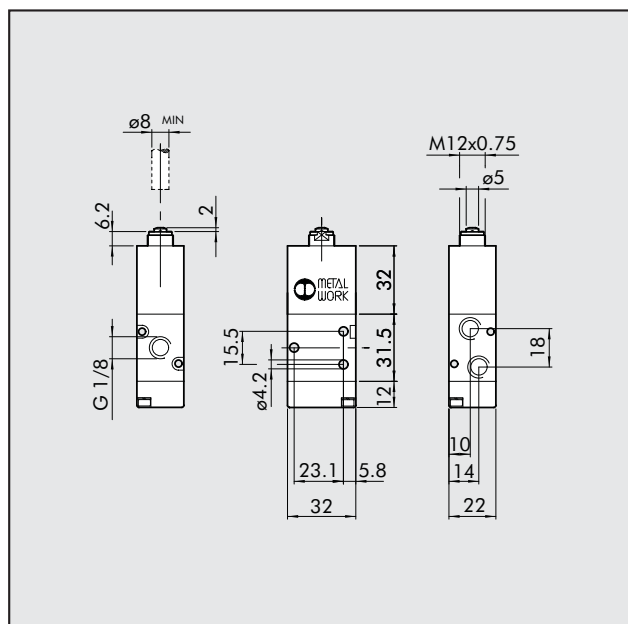
Symbol	Abbrev.	Code	Weight [g]
	MEV 23 URS NC	7001000600	136

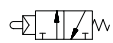
UNIDIRECTIONAL ROLLER 5/2, 1/8" LEVERS



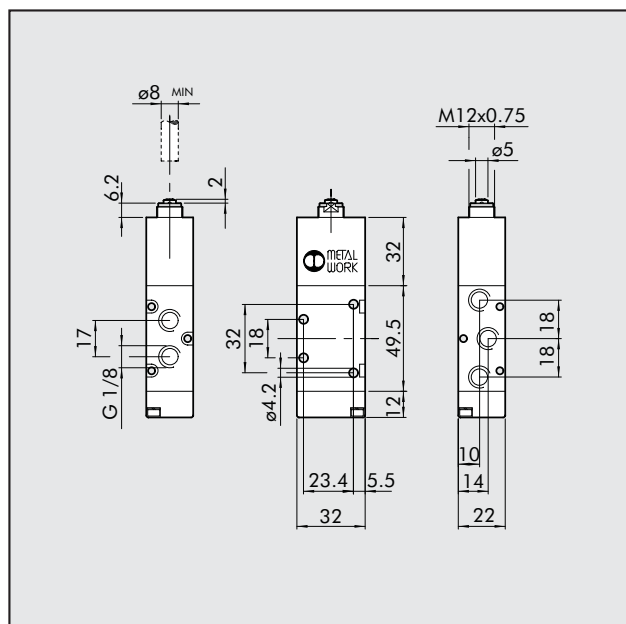
Symbol	Abbrev.	Code	Weight [g]
	MEV 25 URS OO	7001000610	162

PILOT-ASSISTED PLUNGER 3/2 NC, 1/8"



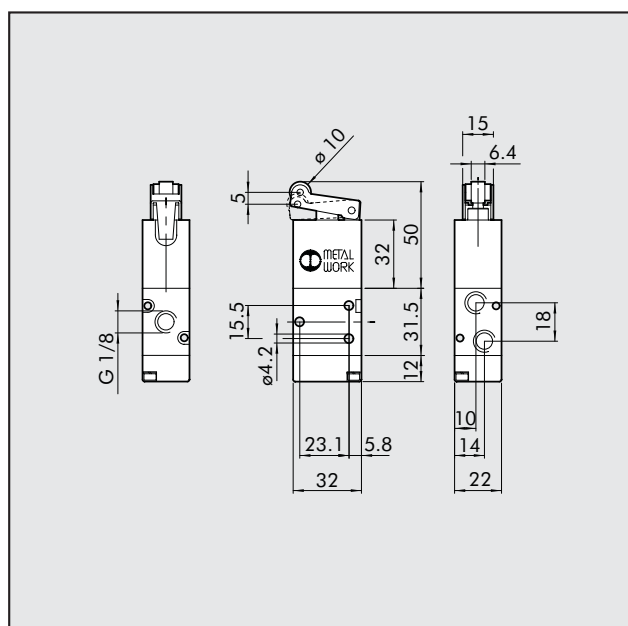
Symbol	Abbrev.	Code	Weight [g]
	MEV 23 TSS NC	7001000200	126

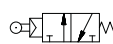
PILOT-ASSISTED PLUNGER 5/2, 1/8"



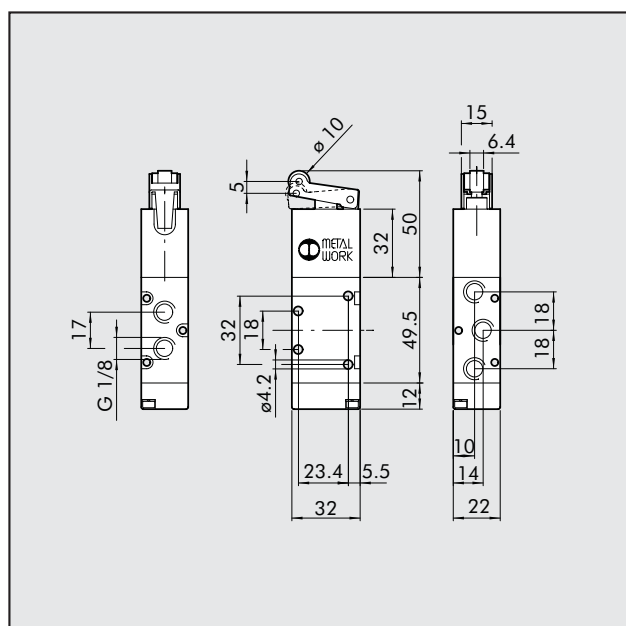
Symbol	Abbrev.	Code	Weight [g]
	MEV 25 TSS OO	7001000210	152

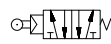
PILOT-ASSISTED ROLLER LEVER 3/2 NC, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MEV 23 RSS NC	7001000400	138

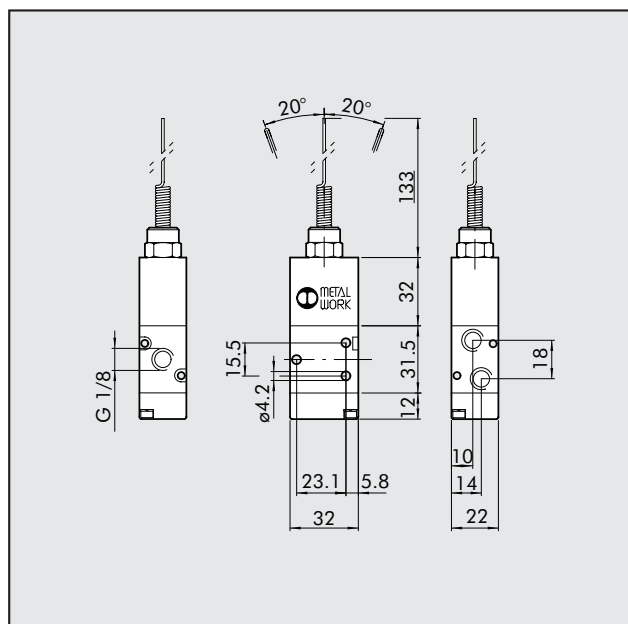
PILOT-ASSISTED ROLLER LEVER 5/2, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MEV 25 RSS OO	7001000410	164

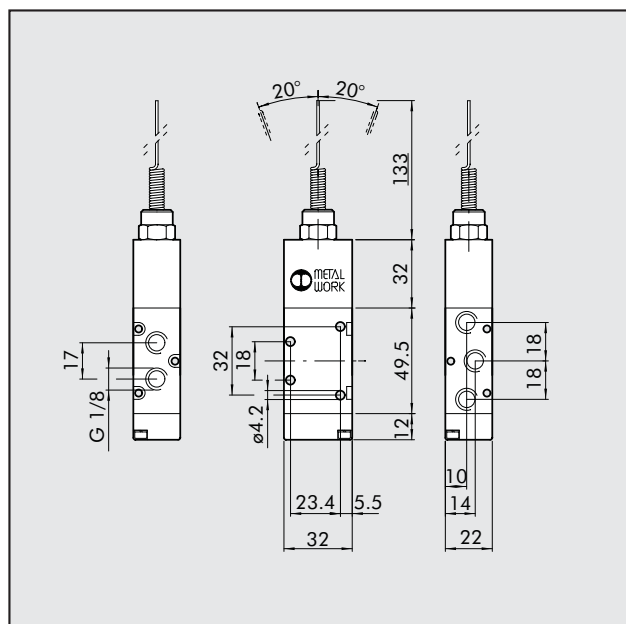


PILOT-ASSISTED AERIAL 3/2 NC, 1/8"



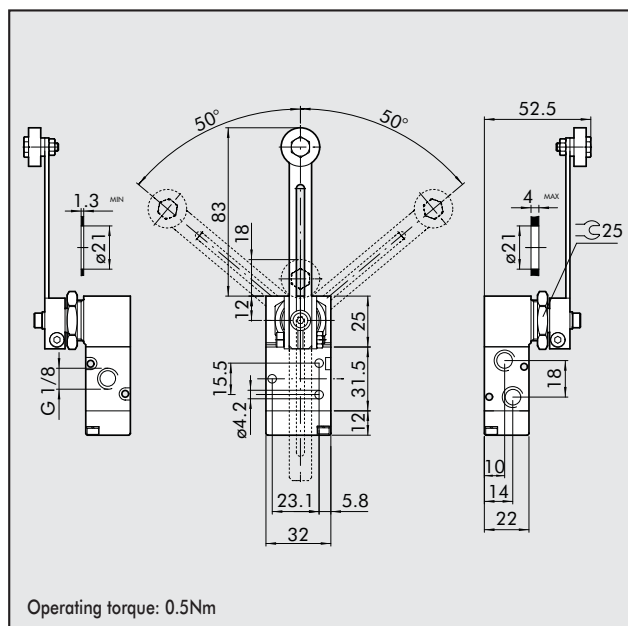
Symbol	Abbrev.	Code	Weight [g]
	MEV 23 ASS NC	7001000700	142

PILOT-ASSISTED AERIAL 5/2 NC, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	MEV 25 ASS OO	7001000710	168

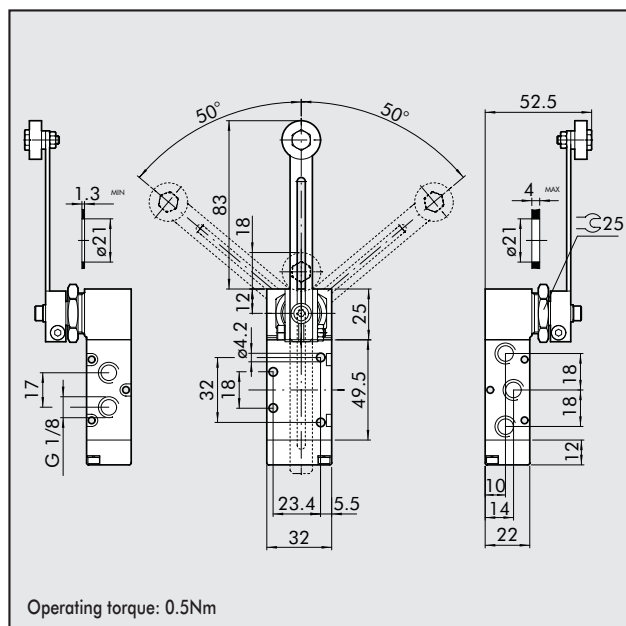
ROLLER-LEVER 3/2 1/8"



Operating torque: 0.5Nm

Symbol	Abbrev.	Code	Weight [g]
	MEV 23 LLS NC	7001000900	189

ROLLER-LEVER 5/2 1/8"



Operating torque: 0.5Nm

Symbol	Abbrev.	Code	Weight [g]
	MEV 25 LLS OO	7001000910	216

VALVES SERIES 70, PNEUMATIC

TECHNICAL DATA	1/8"	1/4"	1/2"
Operating pressure	Vacuum to 10 bar		
Minimum operating pressure			
• monostable	2.5 bar		
• bistable	1 bar		
Operating temperature range	-10° to 60°C		
Nominal diameter	5 mm	7.5 mm	15 mm
Conductance C [Nl/min · bar]	121.43	264.26	971.43
Critical ratio b	0.32 bar/bar	0.27 bar/bar	0.43 bar/bar
Flow rate at 6 bar ΔP 0.5 bar	400 Nl/min	750 Nl/min	3200 Nl/min
Flow rate at 6 bar ΔP 1 bar	550 Nl/min	1100 Nl/min	4600 Nl/min
TRA/TRR monostable at 6 bar	6ms/15ms	7ms/15ms	16ms/46ms
TRA/TRR bistable at 6 bar	7ms/7ms	7ms/7ms	16ms/16ms

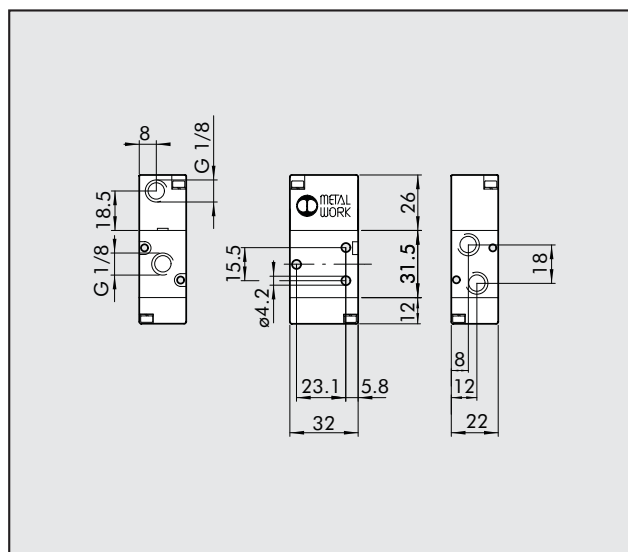


KEY TO CODES

P		N		V		2		3		P		N		S		N		C							
FAMILY				PORT				FUNCTION				OPERATORS 14				RESETTING 12				FURTHER DETAILS					
PNV		pneumatic valves				2		1/8"		3		3/2		PN		pneumatic		S		mechanical spring		OO		5/2	
3						1/4"		5		5/2		B						bistable		NC		normally closed			
4						1/2"		6		5/3		D						differential		NO		normally open			
																		O		stable for 5/3		CC		closed centres	
																		A		pneumatic/mechanical spring*		OC		open centres	
																		*on demand				PC		pressure centres	

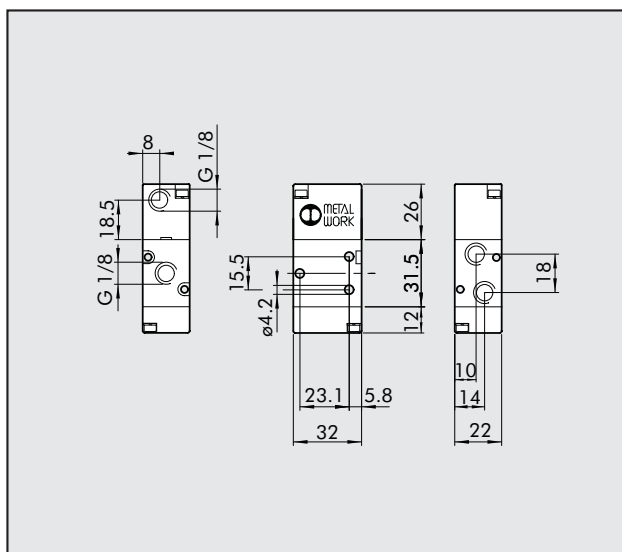
VALVES SERIES 70, PNEUMATIC, 1/8"

MONOSTABLE 3/2 NO, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	PNV 23 PNS NO	7010010400	82

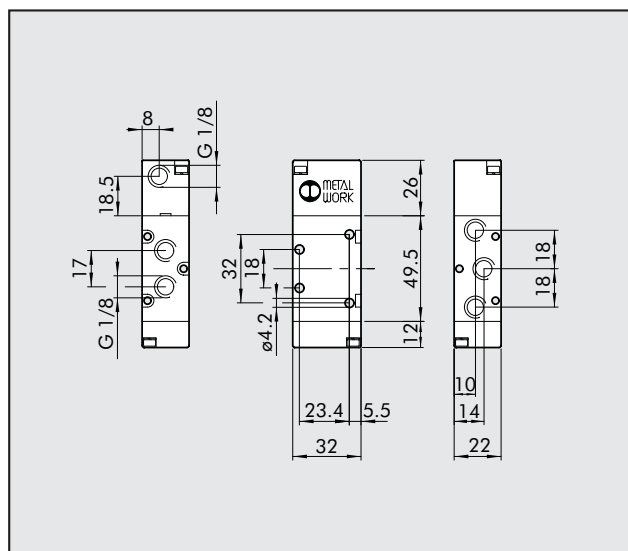
MONOSTABLE 3/2 NC, 1/8"



Symbol	Abbrev.	Code	Weight [g]
→  W	PNV 23 PNS NC	7010010200	82

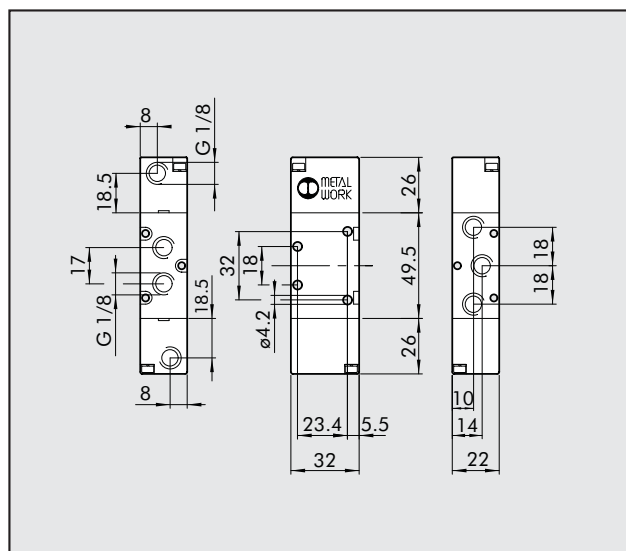


MONOSTABLE 5/2, 1/8"



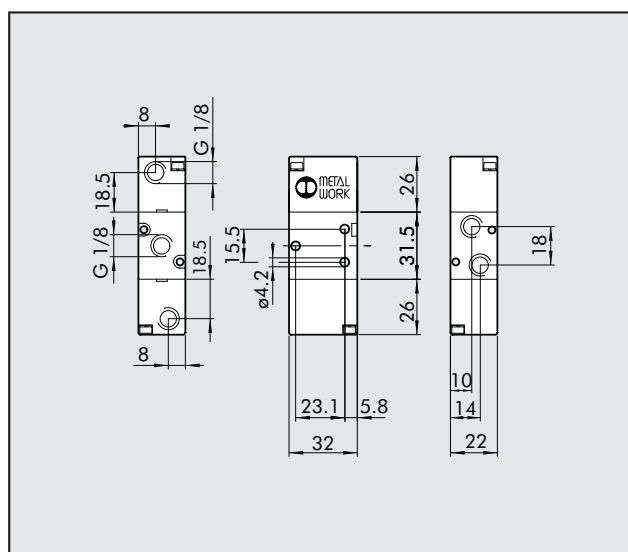
Symbol	Abbrev.	Code	Weight [g]
	PNV 25 PNS OO	7010011100	108

BISTABLE 5/2, 1/8"



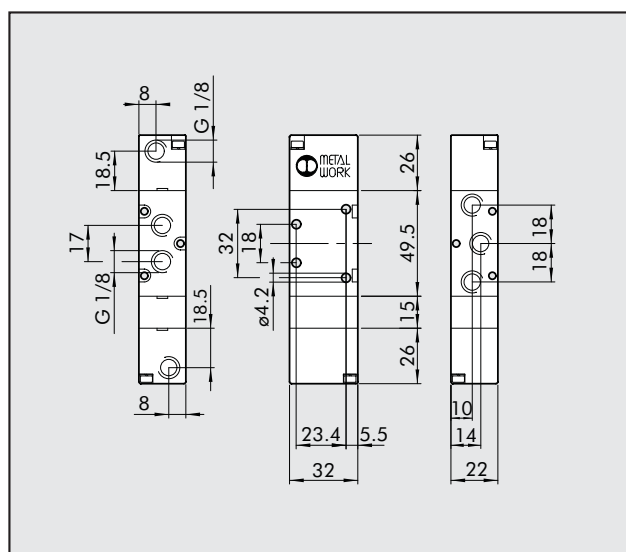
Symbol	Abbrev.	Code	Weight [g]
	PNV 25 PNB OO	7010011200	122
	PNV 25 PND OO	7010011300	128

BISTABLE 3/2, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	PNV 23 PNB OO	7010010100	96

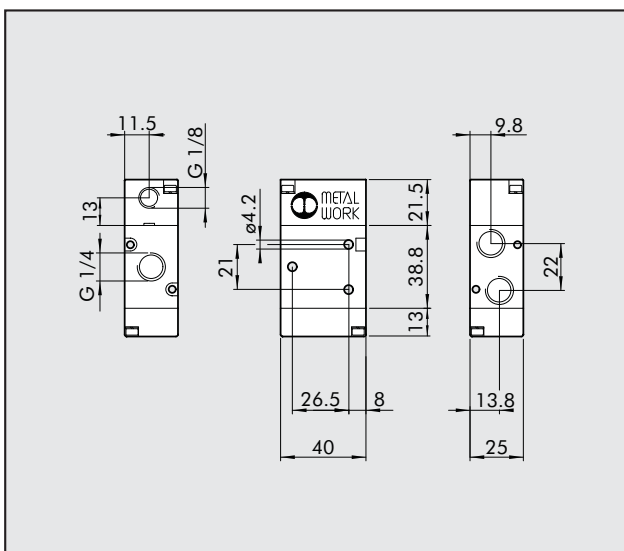
MONOSTABLE 5/3, 1/8"



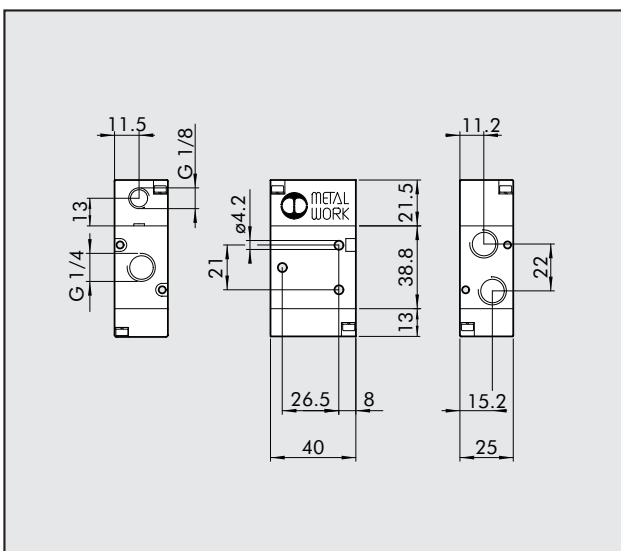
Symbol	Abbrev.	Code	Weight [g]
	PNV 26 PNS CC	7010012100	150
	PNV 26 PNS OC	7010012200	150
	PNV 26 PNS PC	7010012300	150

VALVES SERIES 70, PNEUMATIC, 1/4"

MONOSTABLE 3/2 NO, 1/4"

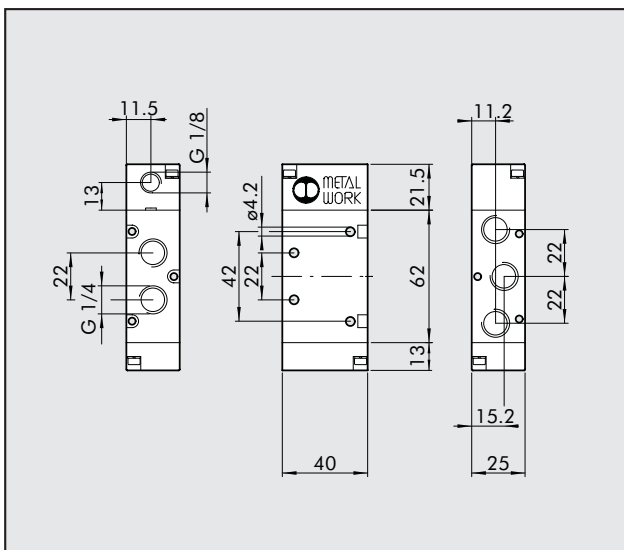
[illegible]

MONOSTABLE 3/2 NC, 1/4"



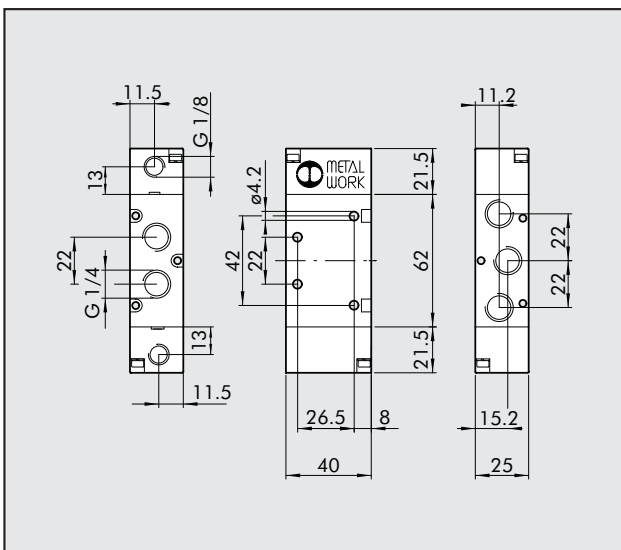
Symbol	Abbrev.	Code	Weight [g]
→ 	PNV 33 PNS NC	7020010200	122

MONOSTABLE 5/2, 1/4"



Symbol	Abbrev.	Code	Weight [g]
• 	PNV 35 PNS OO	7020011100	174

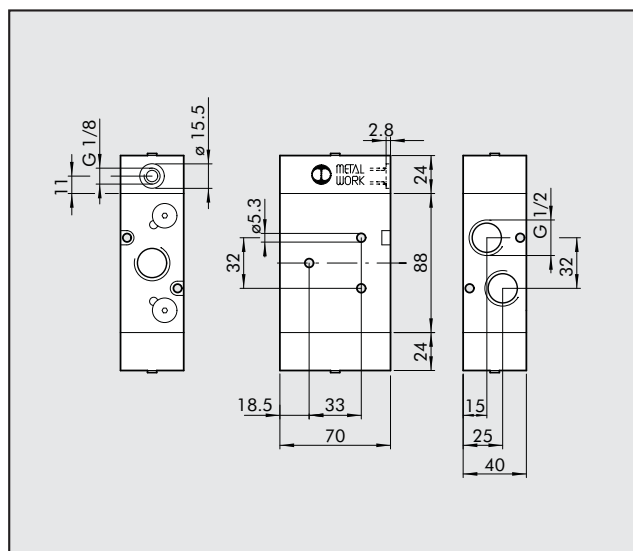
BISTABLE 5/2, 1/4"

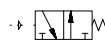


Symbol	Abbrev.	Code	Weight [g]
•  •	PNV 35 PNB OO	7020011200	174
•  •	PNV 35 PND OO	7020011300	198

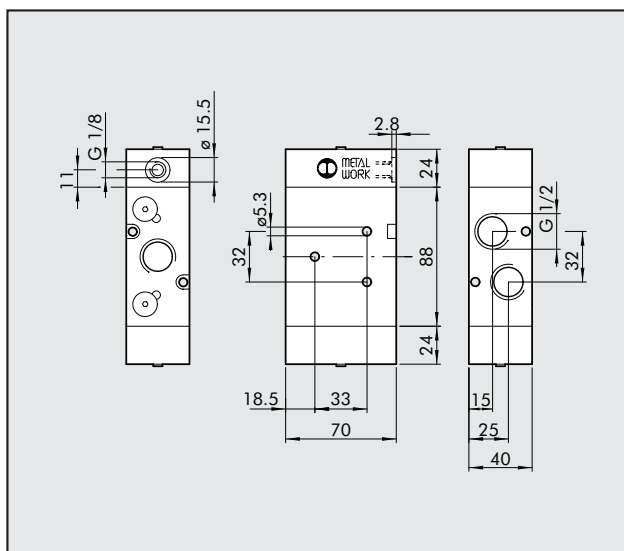
VALVES SERIES 70, PNEUMATIC, 1/2"

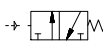
MONOSTABLE 3/2 NO, 1/2"



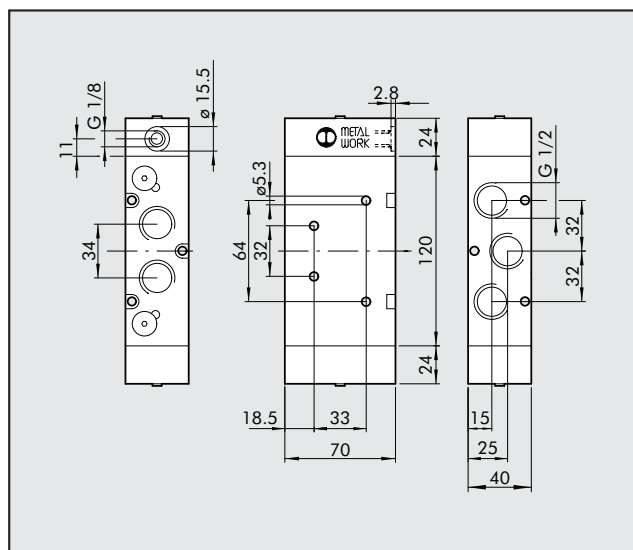
Symbol	Abbrev.	Code	Weight [g]
	PNV 43 PNS NO	7030010400	905

MONOSTABLE 3/2 NC, 1/2"



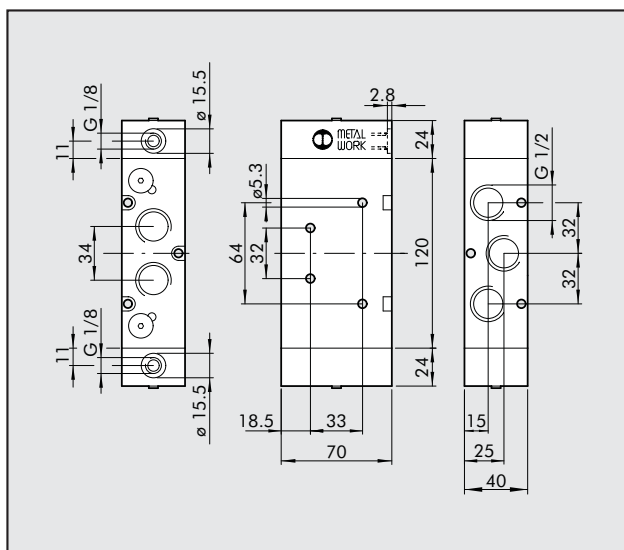
Symbol	Abbrev.	Code	Weight [g]
	PNV 43 PNS NC	7030010200	905

MONOSTABLE 5/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	PNV 45 PNS OO	7030011100	1090

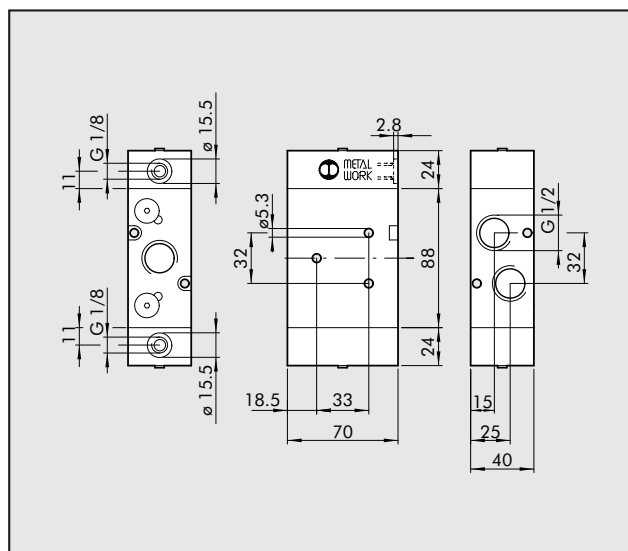
BISTABLE 5/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	PNV 45 PNB OO	7030011200	1077
	PNV 45 PND OO	7030011300	1090

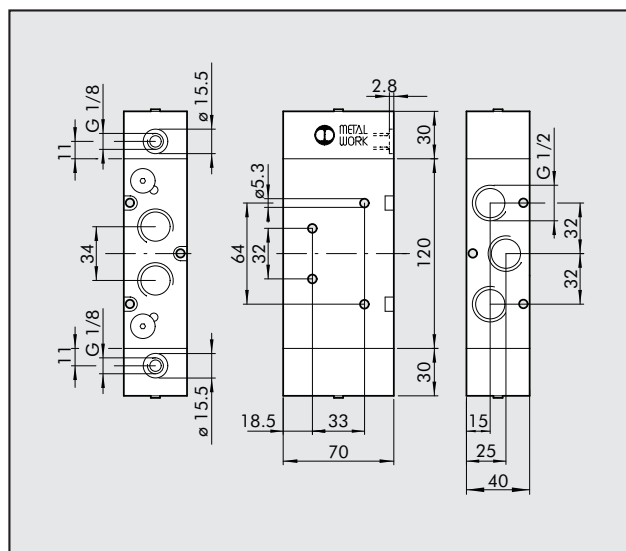


BISTABLE 3/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	PNV 43 PNB OO	7030010100	921

MONOSTABLE 5/3, 1/2"

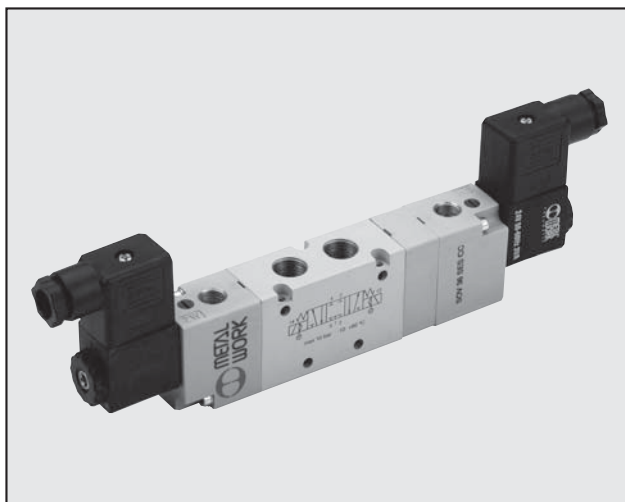


Symbol	Abbrev.	Code	Weight [g]
	PNV 46 PNS CC	7030012100	1200
	PNV 46 PNS OC	7030012200	1194
	PNV 46 PNS PC	7030012300	1196

NOTES

VALVES SERIES 70, SOLENOID/PNEUMATIC

TECHNICAL DATA	1/8"	1/4"	1/2"
Operating pressure:	2.5 bar ÷ 10 bar		
	1 ÷ 10 bar		
	Vacuum ÷ 10		
Minimum actuation pressure	2.5 bar		
Operating temperature range	-10° to 60°C		
Nominal diameter	5 mm	7.5 mm	15 mm
Conductance C [Nl/min · bar]	121.43	264.26	971.43
Critical ratio b	0.32 bar/bar	0.27 bar/bar	0.43 bar/bar
Flow rate at 6 bar ΔP 0.5 bar	400 Nl/min	750 Nl/min	3200 Nl/min
Flow rate at 6 bar ΔP 1 bar	550 Nl/min	1100 Nl/min	4600 Nl/min
TRA/TRR monostable at 6 bar	15 ms / 35 ms	19 ms / 45 ms	36 ms / 60 ms
TRA /TRR bistable at 6 bar	20 ms / 20 ms	21 ms / 21 ms	30 ms / 30 ms
Hand operation	bistable		
Coil voltage values	24VDC ÷ 24VAC ÷ 110VAC ÷ 220VAC 50/60Hz		
Power	2 W (DC) 3VA (AC)	2 W (DC) 3VA (AC)	5W (DC) 5VA (AC)
Voltage tolerance	-10% ÷ +15%		
Insulation class	F 155		
Maximum coil nut torque	1 Nm		

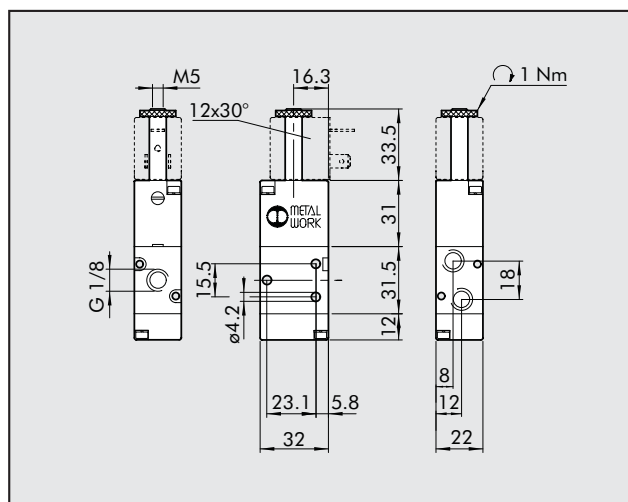


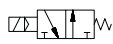
KEY TO CODES

S	O	V	2	3	S	O	S	N	C
FAMILY			PORT	FUNCTION	OPERATORS 14		RESETTING 12	FURTHER DETAILS	
SOV	Solenoid /	pneumatic	2 1/8"	3 3/2	SO Solenoid		S mechanical spring	NC normally closed	
			3 1/4"	5 5/2	SE Solenoid		B bistable	NO normally open	
			4 1/2"	6 5/3	assisted		D differential	CC closed centres	
							P pneumatic*	OC open centres	
							A pneumatic/mechanical spring*	PC pressure centres	
							*on demand	OO 5/2	

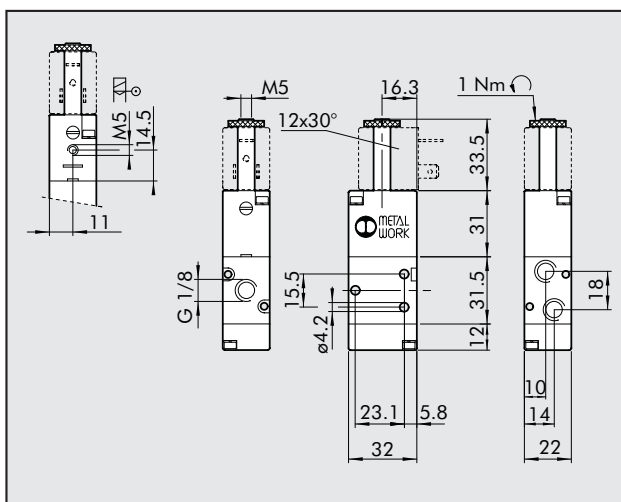
VALVES SERIES 70, SOLENOID/PNEUMATIC-PILOT-ASSISTED SOLENOID/PNEUMATIC, 1/8"

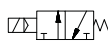
MONOSTABLE 3/2 NO, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	SOV 23 SOS NO	7010020400	100

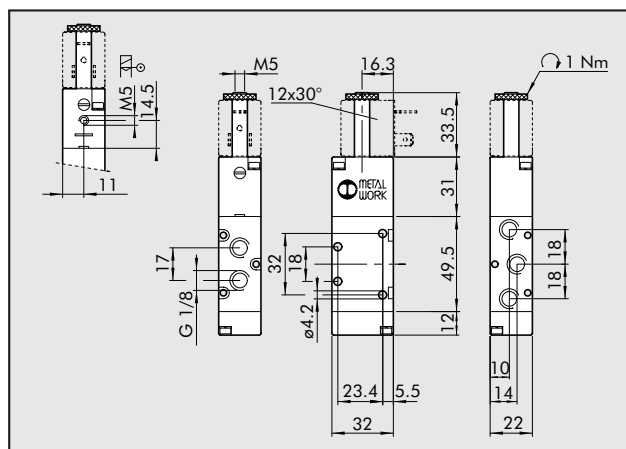
MONOSTABLE 3/2 NC, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	SOV 23 SOS NC	7010020200	100
	SOV 23 SES NC	7010020500	100

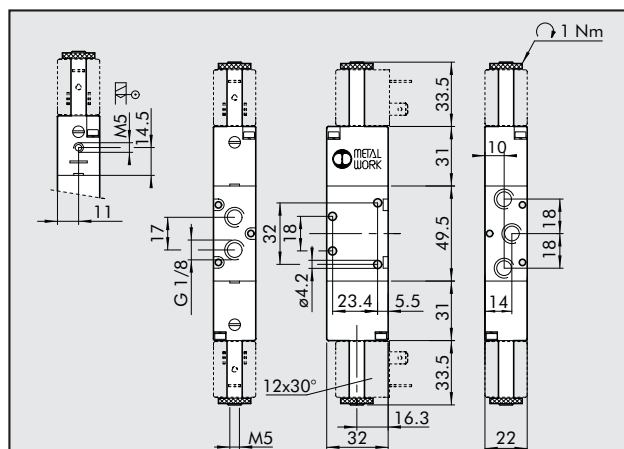


MONOSTABLE 5/2, 1/8"



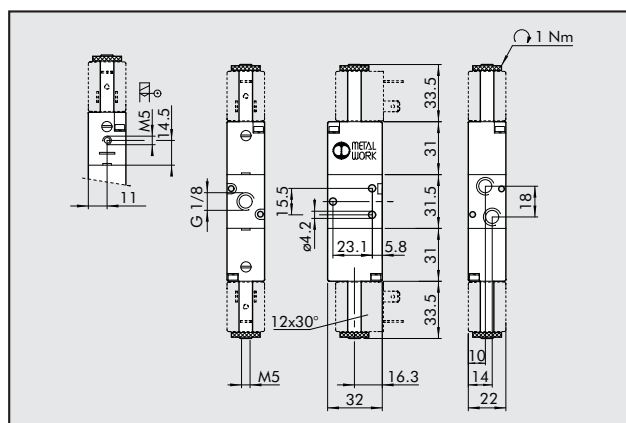
Symbol	Abbrev.	Code	Weight [g]
	SOV 25 SOS OO	7010021100	128
	SOV 25 SES OO	7010021500	129

BISTABLE 5/2, 1/8"



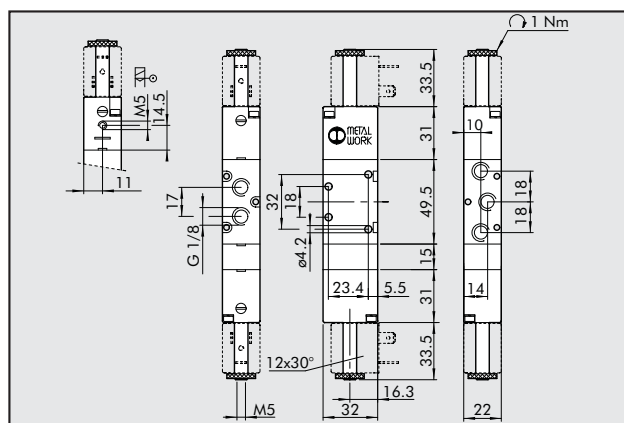
Symbol	Abbrev.	Code	Weight [g]
	SOV 25 SOB OO	7010021200	160
	SOV 25 SOD OO	7010021300	166
	SOV 25 SEB OO	7010021600	160

BISTABLE 3/2, 1/8"



Symbol	Abbrev.	Code	Weight [g]
	SOV 23 SOB OO	7010020100	135
	SOV 23 SEB OO	7010020300	136

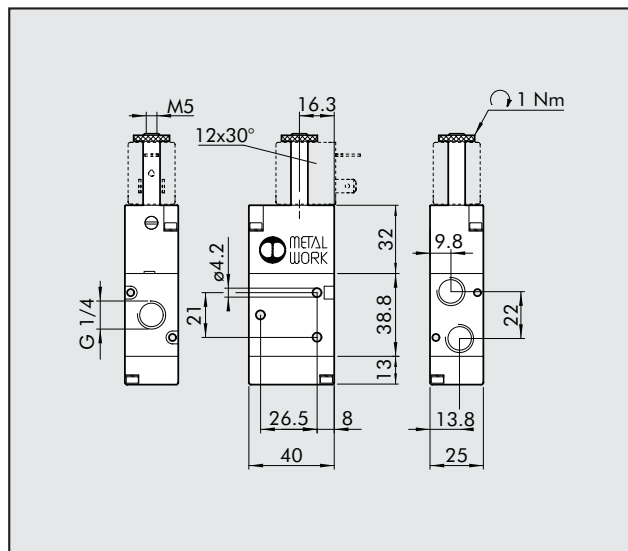
MONOSTABLE 5/3, 1/8"

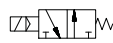


Symbol	Abbrev.	Code	Weight [g]
	SOV 26 SOS CC	7010022100	190
	SOV 26 SOS OC	7010022200	190
	SOV 26 SOS PC	7010022300	190
	SOV 26 SES CC	7010022400	188
	SOV 26 SES OC	7010022500	188
	SOV 26 SES PC	7010022600	188

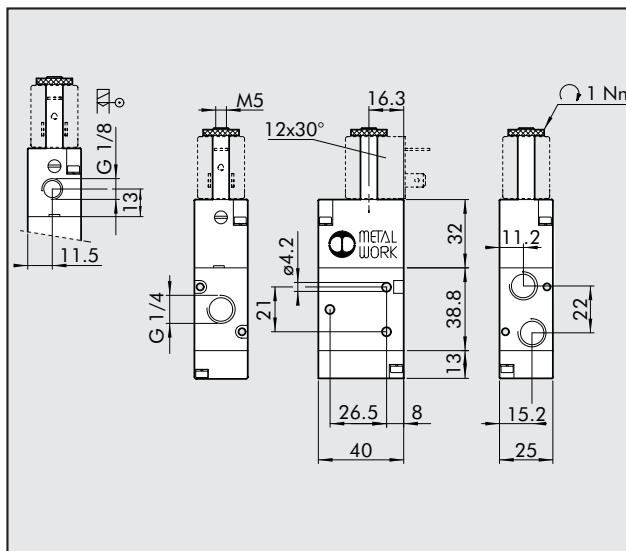
VALVES SERIES 70, SOLENOID/PNEUMATIC-PILOT-ASSISTED SOLENOID/ PNEUMATIC, 1/4"

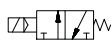
MONOSTABLE 3/2 NO, 1/4"



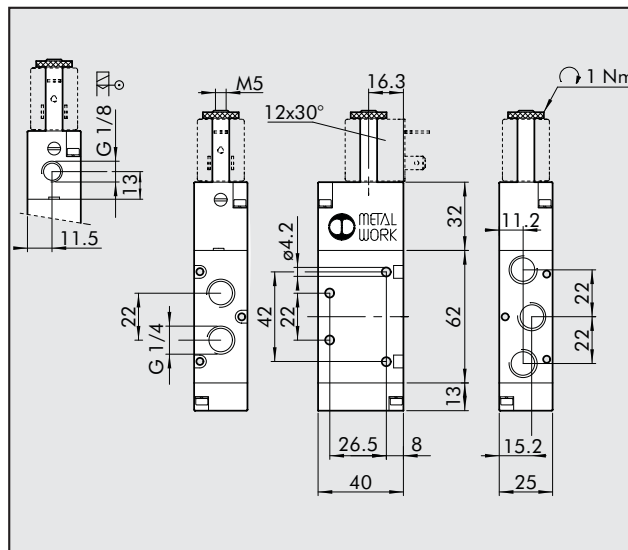
Symbol	Abbrev.	Code	Weight [g]
	SOV 33 SOS NO	7020020400	152

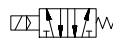
MONOSTABLE 3/2 NC, 1/4"



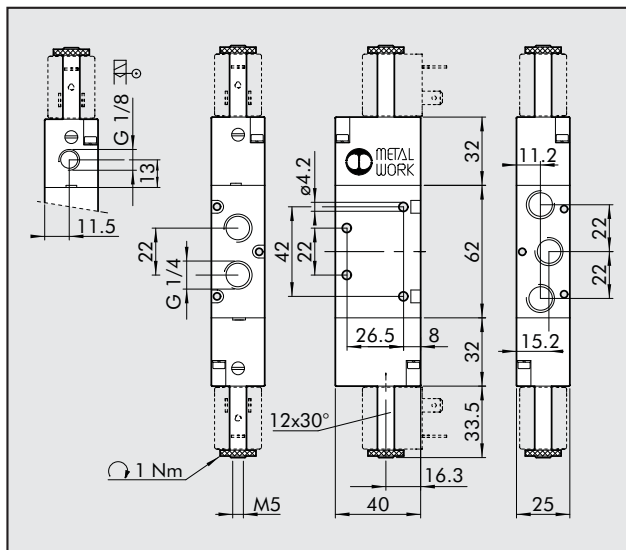
Symbol	Abbrev.	Code	Weight [g]
	SOV 33 SOS NC	7020020200	152
	SOV 33 SES NC	7020020500	152

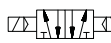
5/2 1/4" MONOSTABLE



Symbol	Abbrev.	Code	Weight [g]
	SOV 35 SOS OO	7020021100	200
	SOV 35 SES OO	7020021500	200

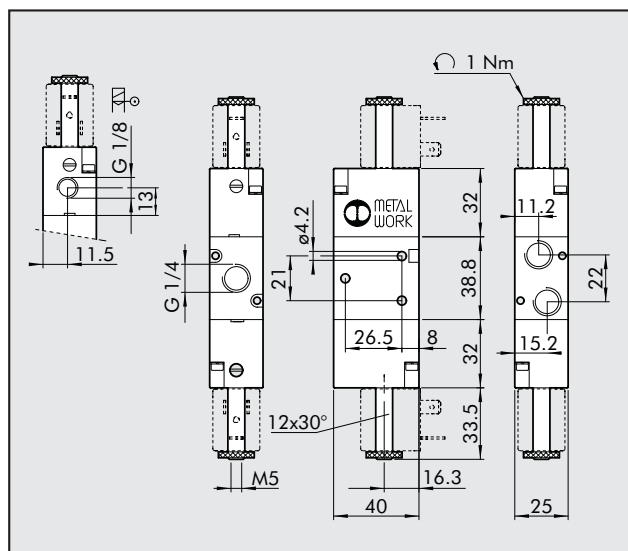
5/2 1/4" BISTABLE



Symbol	Abbrev.	Code	Weight [g]
	SOV 35 SOB OO	7020021200	236
	SOV 35 SOD OO	7020021300	252
	SOV 35 SEB OO	7020021600	242

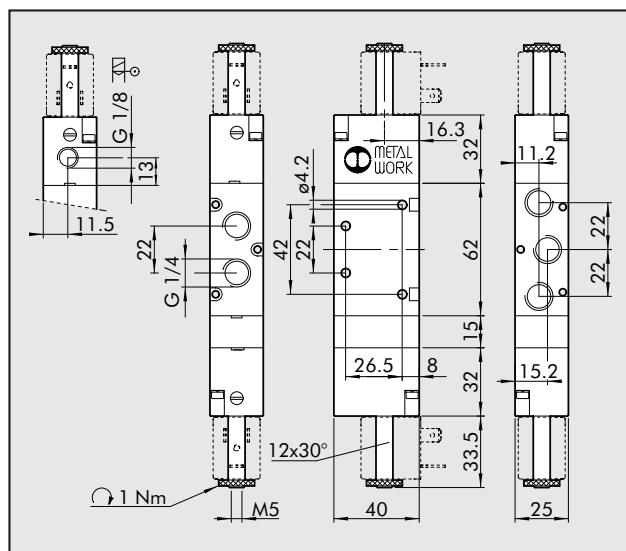


3/2 BISTABLE



Symbol	Abbrev.	Code	Weight [g]
	SOV 33 SOB OO	7020020100	190
	SOV 33 SEB OO	7020020300	190

5/3 MONOSTABLE

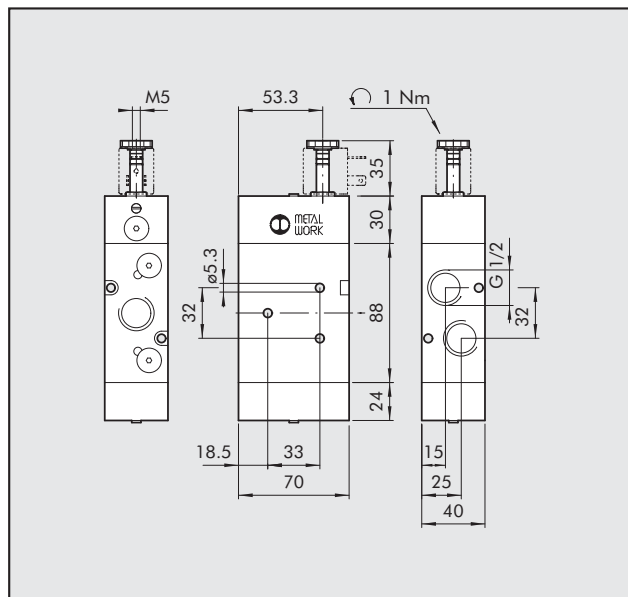


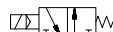
Symbol	Abbrev.	Code	Weight [g]
	SOV 36 SOS CC	7020022100	274
	SOV 36 SOS OC	7020022200	274
	SOV 36 SOS PC	7020022300	274
	SOV 36 SES CC	7020022400	277
	SOV 36 SES OC	7020022500	277
	SOV 36 SES PC	7020022600	277

NOTES

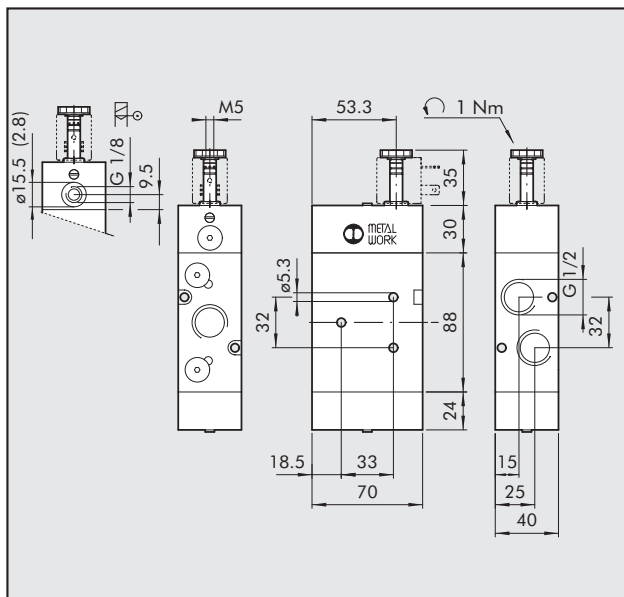
VALVES SERIES 70, SOLENOID/PNEUMATIC-PILOT-ASSISTED SOLENOID/PNEUMATIC, 1/2"

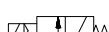
MONOSTABLE 3/2 NO, 1/2"



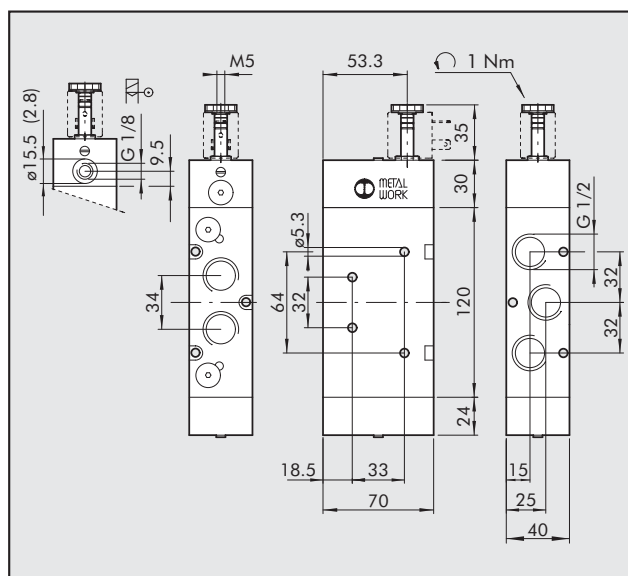
Symbol	Abbrev.	Code	Weight [g]
	SOV 43 SOS NO	7030020400	930

MONOSTABLE 3/2 NC, 1/2"



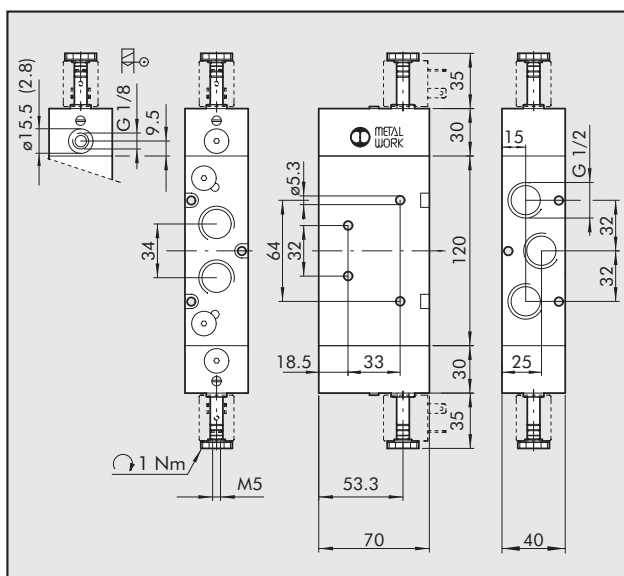
Symbol	Abbrev.	Code	Weight [g]
	SOV 43 SOS NC	7030020200	930
	SOV 43 SES NC	7030020500	923

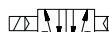
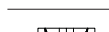
MONOSTABLE 5/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	SOV 45 SOS OO	7030021100	1120
	SOV 45 SES OO	7030021500	1113

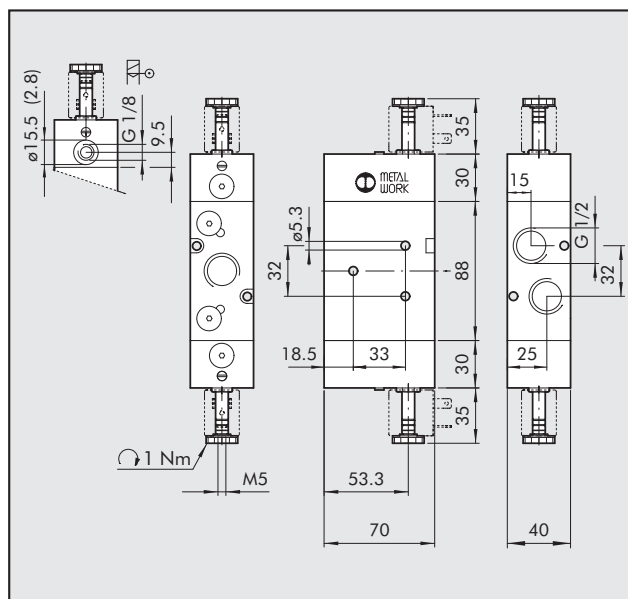
BISTABLE 5/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	SOV 45 SOB OO	7030021200	1140
	SOV 45 SOD OO	7030021300	1152
	SOV 45 SEB OO	7030021600	1127

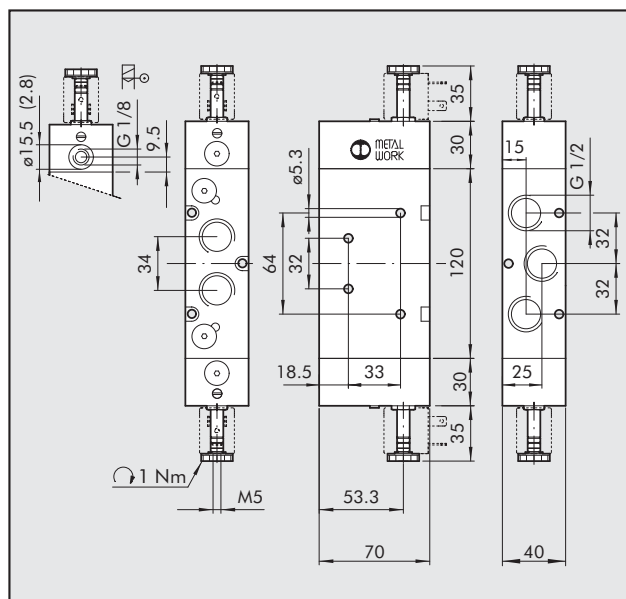


BISTABLE 3/2, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	SOV 43 SOB OO	7030020100	955
	SOV 43 SEB OO	7030020300	942

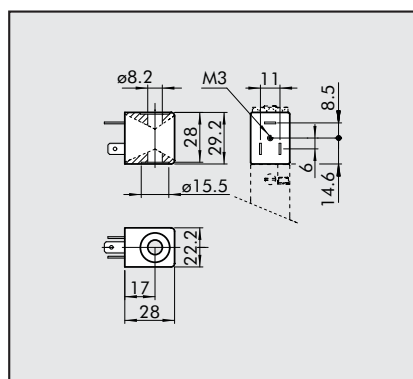
MONOSTABLE 5/3, 1/2"



Symbol	Abbrev.	Code	Weight [g]
	SOV 46 SOS CC	7030022100	1265
	SOV 46 SOS OC	7030022200	1265
	SOV 46 SOS PC	7030022300	1265
	SOV 46 SES CC	7030022400	1252
	SOV 46 SES OC	7030022500	1252
	SOV 46 SES PC	7030022600	1252

ACCESSORIES FOR SERIES 70 SOLENOID/PNEUMATIC VALVES

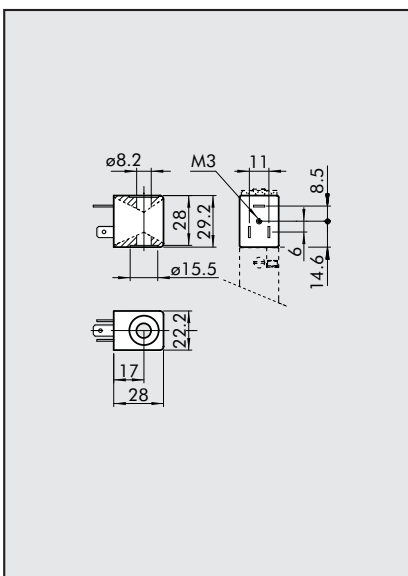
COILS FOR SERIES 70 SOV 1/8" 1/4" VALVES



- Voltage tolerance: -10% + 15%
- Insulation class: F155
- Degree of protection: IP65 EN60529 with connector
- Avoid prolonged exposure to the atmospheric agents
- Coil temperature 100% ED: from 70°C to 20°C – Ambient temperature
- According to Atex 94/9 CE rule, group 2, category 3 GD

Nominal voltage	Absorption		Abbrev.	Code
	Inrush	Holding		
12Vcc	2W	2W	Coil 22 Ø8 BA 2W-12VDC	W0215000151
24Vcc	2W	2W	Coil 22 Ø8 BA 2W-24VDC	W0215000101
24V 50/60Hz	5.3VA	3.5VA	Coil 22 Ø8 BA 3VA-24VAC	W0215000111
110V 50/60Hz	5.3VA	3.5VA	Coil 22 Ø8 BA 3VA-110VAC	W0215000121
220V 50/60Hz	5.3VA	3.5VA	Coil 22 Ø8 BA 3VA-220VAC	W0215000131

COILS FOR SERIES 70 SOV 1/2" VALVES



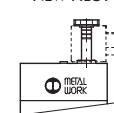
- Voltage tolerance: -10% + 15%
- Insulation class: F155
- Degree of protection: IP65 EN60529 with connector
- Avoid prolonged exposure to the atmospheric agents
- Coil temperature 100% ED: from 70°C to 20°C – Ambient temperature
- According to Atex 94/9 CE rule, group 2, category 3 GD

■ Coils usable with valves having either new pilot and old pilot
 ◆ Coils at low absorption usable only with valves having new pilot

OLD PILOT

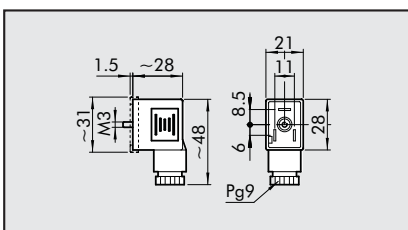


NEW PILOT



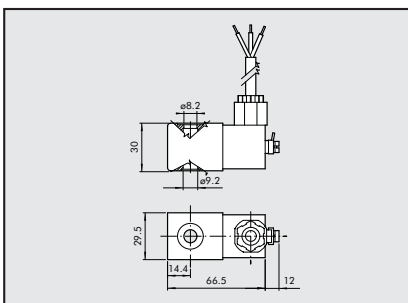
Nominal voltage	Absorption		Abbrev.	Code
	Inrush	Holding		
12Vcc	5W	5W	Coil 22 Ø8 5W-12VDC	W0215000051 ■
24Vcc	5W	5W	Coil 22 Ø8 5W-24VDC	W0215000001 ■
24V 50/60Hz	8VA	5VA	Coil 22 Ø8 5VA-24VAC	W0215000011 ■
110V 50/60Hz	8VA	5VA	Coil 22 Ø8 5VA-110VAC	W0215000021 ■
220V 50/60Hz	8VA	5VA	Coil 22 Ø8 5VA-220VAC	W0215000031 ■
12Vcc	2W	2W	Coil 22 Ø8 BA 2W-12VDC	W0215000151 ◆
24Vcc	2W	2W	Coil 22 Ø8 BA 2W-24VDC	W0215000101 ◆
24V 50/60Hz	5.3VA	3.5VA	Coil 22 Ø8 BA 3.5VA-24VAC	W0215000111 ◆
110V 50/60Hz	5.3VA	3.5VA	Coil 22 Ø8 BA 3.5VA-110VAC	W0215000121 ◆
220V 50/60Hz	5.3VA	3.5VA	Coil 22 Ø8 BA 3.5VA-220VAC	W0215000131 ◆

COIL CONNECTORS



Colour	Ø Cable	Type	Code
Black	PG9	Standard	W0970510011
Transparent	PG9	LED 24V	W0970510012
Transparent	PG9	LED 110V	W0970510013
Transparent	PG9	LED 220V	W0970510014
Transparent	PG9	LED + VDR 24V	W0970510015
Transparent	PG9	LED + VDR 110V	W0970510016
Transparent	PG9	LED + VDR 220V	W0970510017

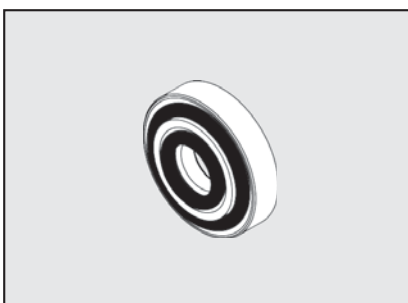
KIT COIL EEXM



Code	Description
0227606913	KIT FOR COIL 30 24 VDC EEXMT5 CABLE 3M
0227606915	KIT FOR COIL 30 24 VDC EEXMT5 CABLE 5M
0227608013	KIT FOR COIL 30 24 VAC EEXMT5 CABLE 3M
0227608015	KIT FOR COIL 30 24 VAC EEXMT5 CABLE 5M
0227608023	KIT FOR COIL 30 110 VAC EEXMT5 CABLE 3M
0227608025	KIT FOR COIL 30 110 VAC EEXMT5 CABLE 5M
0227608033	KIT FOR COIL 30 230 VAC EEXMT5 CABLE 3M
0227608035	KIT FOR COIL 30 230 VAC EEXMT5 CABLE 5M

according to Atex 94/9 CE rule, group 2, category 2 GD

KIT COILS SIDE 22 IP65



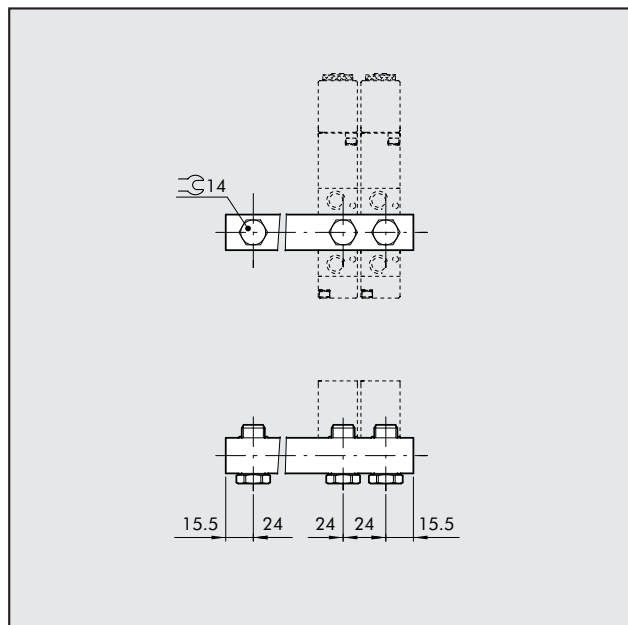
Code	Description
0222100100	KIT FOR COILS 22 - IP65

Improved IP65 protection, even after prolonged exposure to atmospheric agents.
 Applicable to valves with a technopolymer control.

ACCESSORIES: 1/8 MANIFOLDS FOR SERIES 70 PNV-SOV VALVES

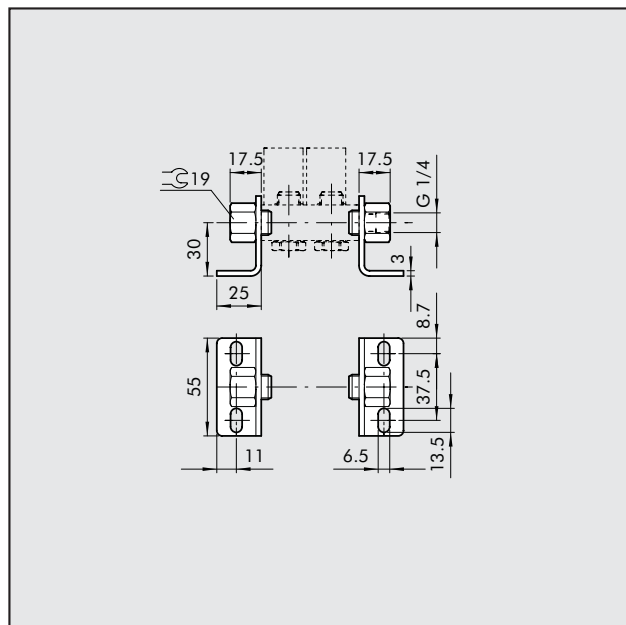


MANIFOLD WITH 2 TO 7 POSITIONS + FITTINGS



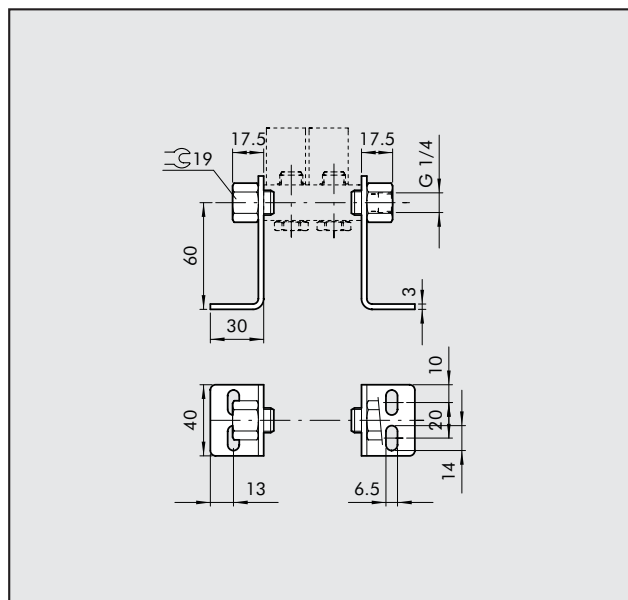
Code	Abbrev.	Weight [g]
0221000200	CSA-18-02	70
0221000300	CSA-18-03	99
0221000400	CSA-18-04	131
0221000500	CSA-18-05	162
0221000600	CSA-18-06	192
0221000700	CSA-18-07	229

BRACKET SET H30



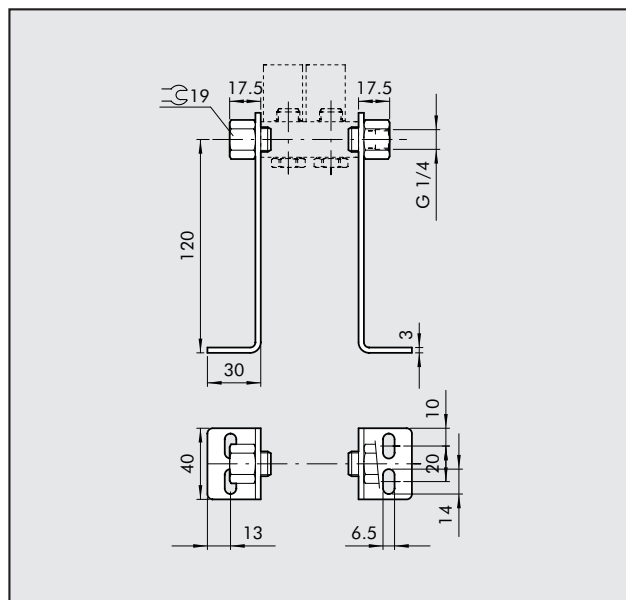
Code	Description	Weight [g]
0221000192	CSA-18-OE	181

BRACKET SET H60



Code	Abbrev.	Weight [g]
0221000191	CSA-18-OC	213

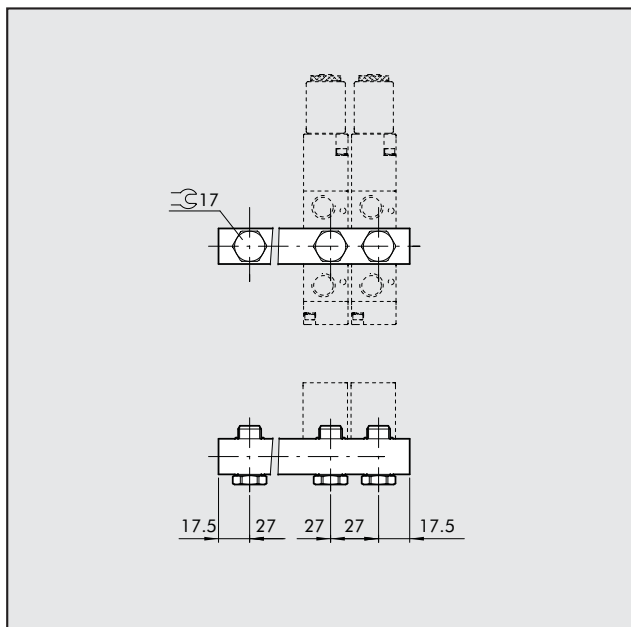
BRACKET SET H120



Code	Description	Weight [g]
0221000190	CSA-18-OO	309

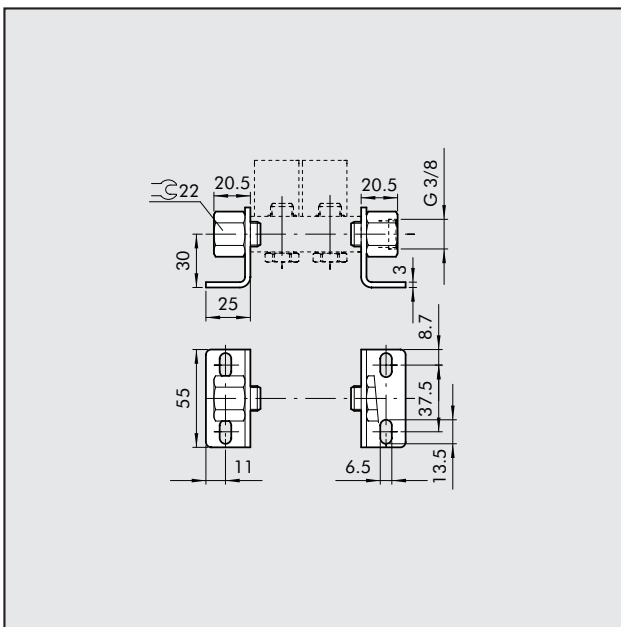
ACCESSORIES: 1/4 MANIFOLDS FOR SERIES 70 PNV-SOV VALVES

MANIFOLD WITH 2 TO 7 POSITIONS + FITTINGS



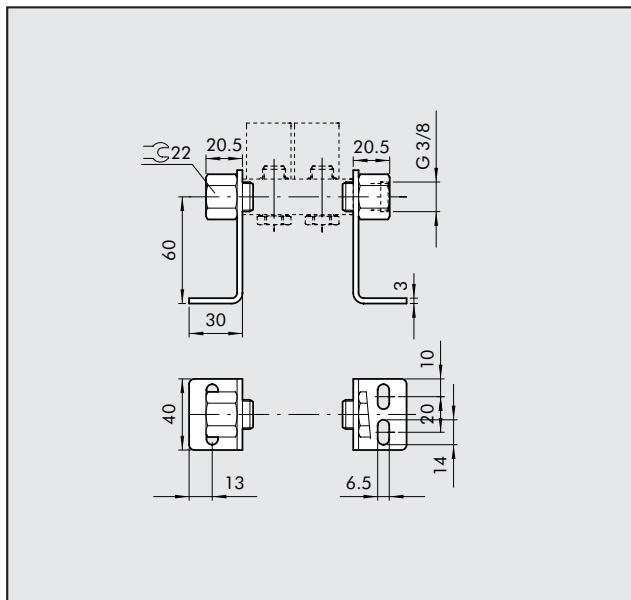
Code	Abbrev.	Weight [g]
0222000200	CSA-14-02	89
0222000300	CSA-14-03	131
0222000400	CSA-14-04	174
0222000500	CSA-14-05	213
0222000600	CSA-14-06	252
0222000700	CSA-14-07	328

BRACKET SET H30



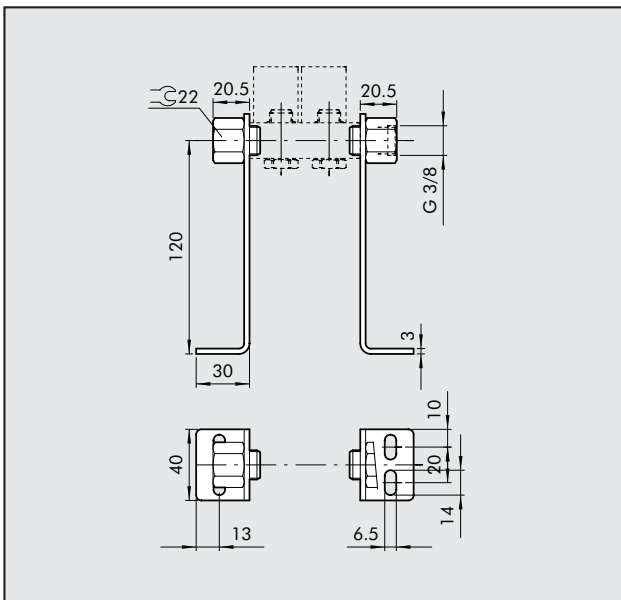
Code	Description	Weight [g]
0222000192	CSA-14-OE	209

BRACKET SET H60



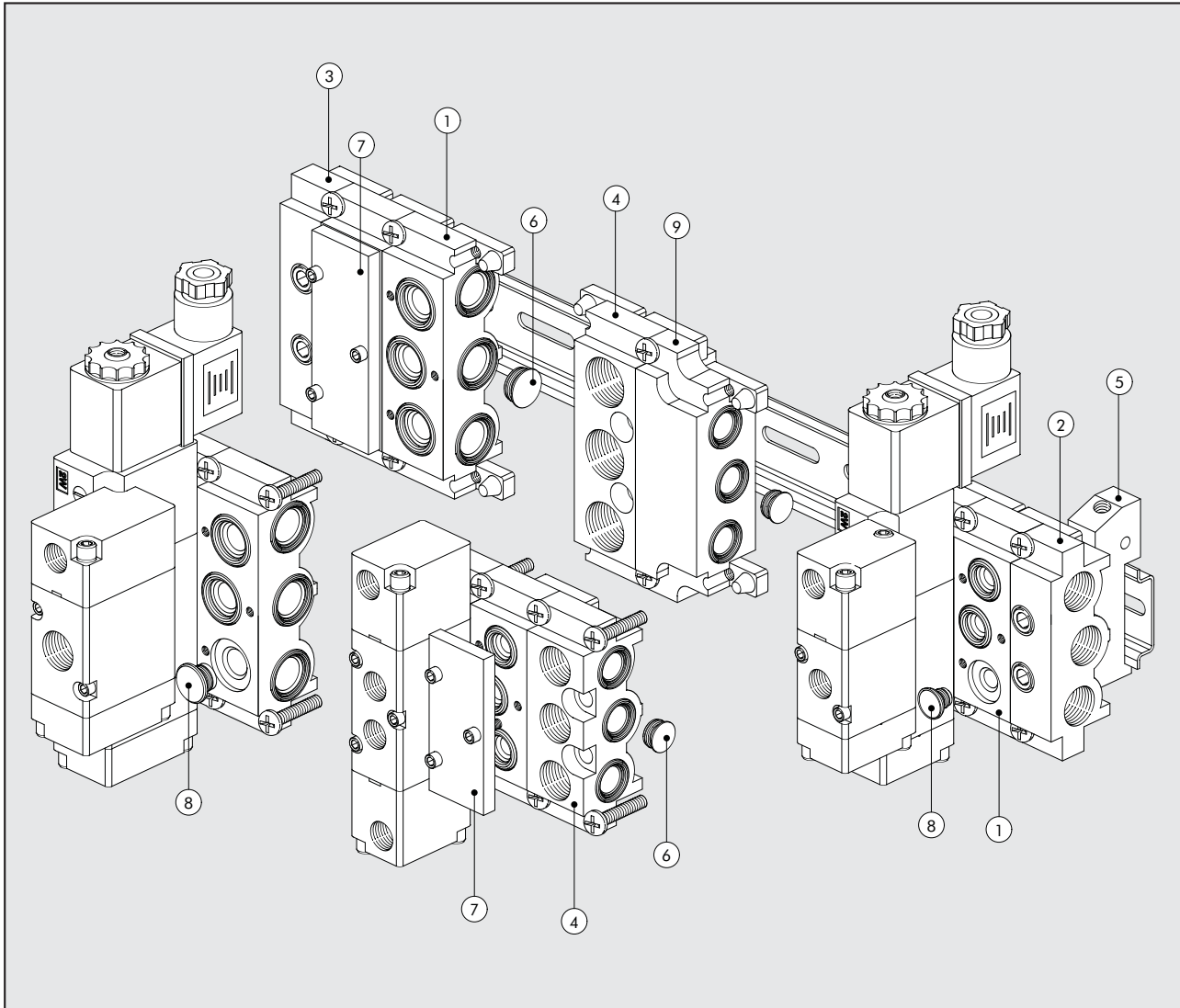
Code	Abbrev.	Weight [g]
0222000191	CSA-14-OC	242

BRACKET SET H120

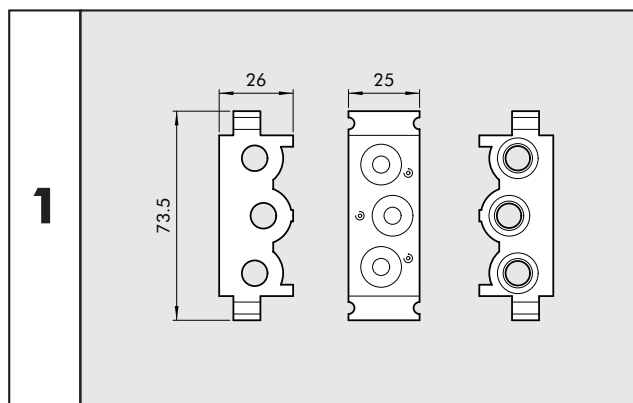


Code	Description	Weight [g]
0222000190	CSA-14-OO	338

2

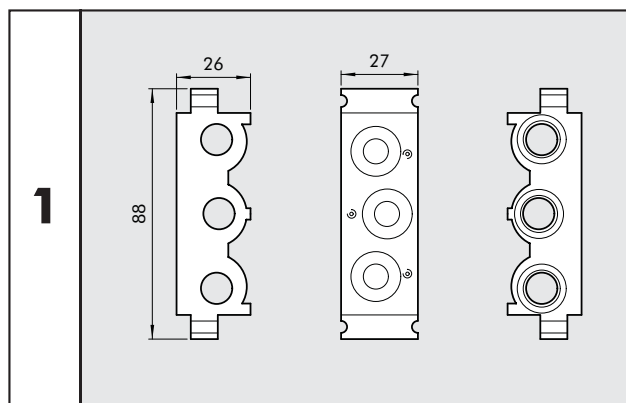
[illegible]

MODULAR BASE 1/8"



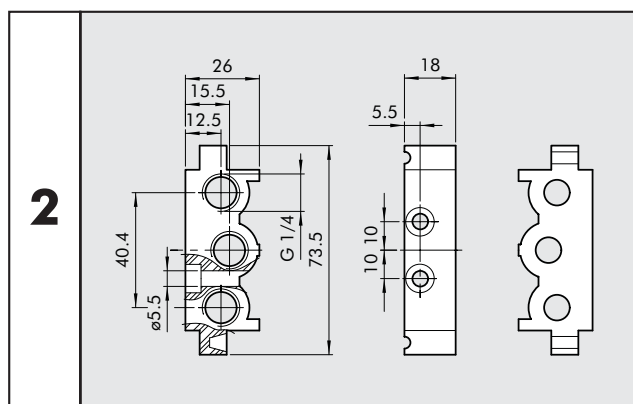
Code	Abbrev.	Weight [g]
0226004150	Comp. MANIFOLD 1/8"	110

MODULAR BASE 1/4"



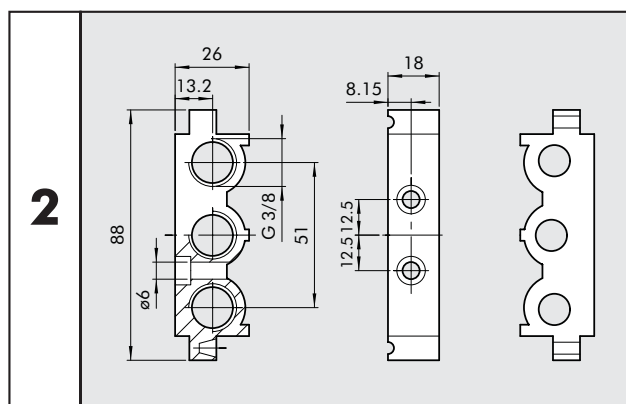
Code	Abbrev.	Weight [g]
0226005150	Comp. MANIFOLD 1/4"	131

END PLATE WITHOUT OR 1/8"



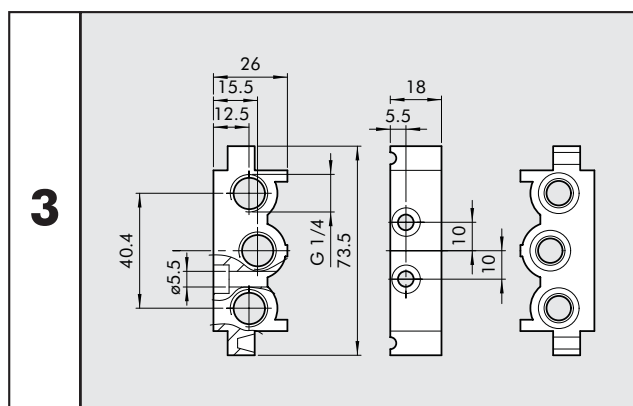
Code	Abbrev.	Weight [g]
0226004201	T. S/ZA OR 1/8"	52

END PLATE WITHOUT OR 1/4"



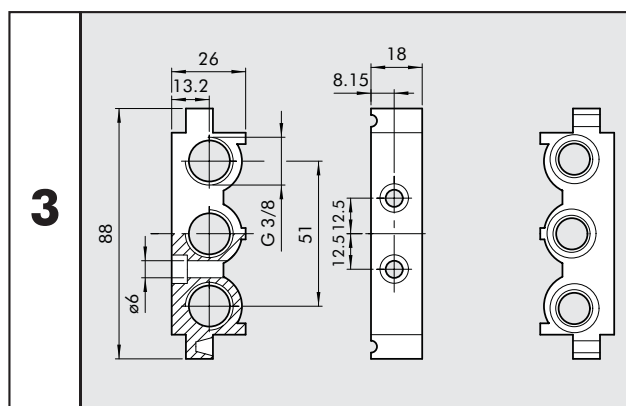
Code	Abbrev.	Weight [g]
0226005201	T. S/ZA OR 1/4"	57

END PLATE WITH OR 1/8"



Code	Abbrev.	Weight [g]
0226004200	MAN. INPUT T. 1/8"	74

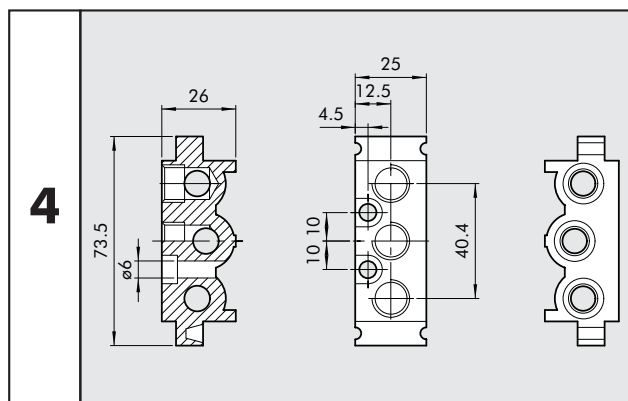
END PLATE WITH OR 1/4"



Code	Abbrev.	Weight [g]
0226005200	MAN. INPUT T. 1/4"	80

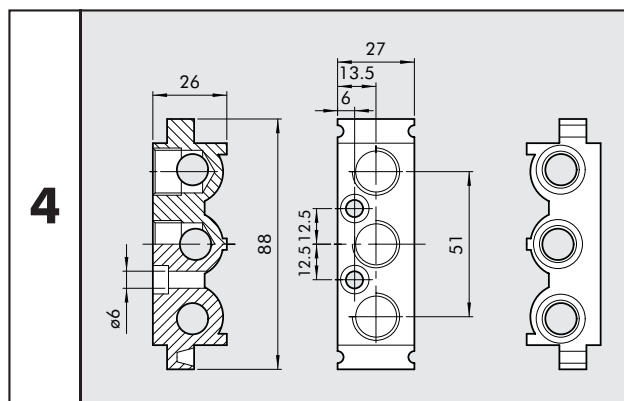


INTERMEDIATE PART FOR UPPER FEED 1/8"



Code	Abbrev.	Weight [g]
0226004300	SUP. SUPPLY SW. 1/8"	93

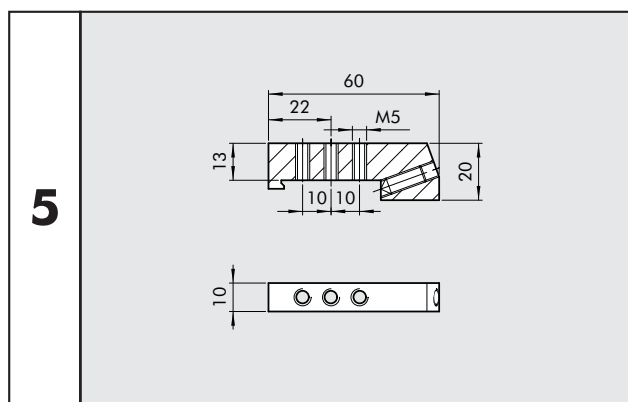
INTERMEDIATE PART FOR UPPER FEED 1/4"



Code	Abbrev.	Weight [g]
0226005300	SUP. SUPPLY SW. 1/4"	109

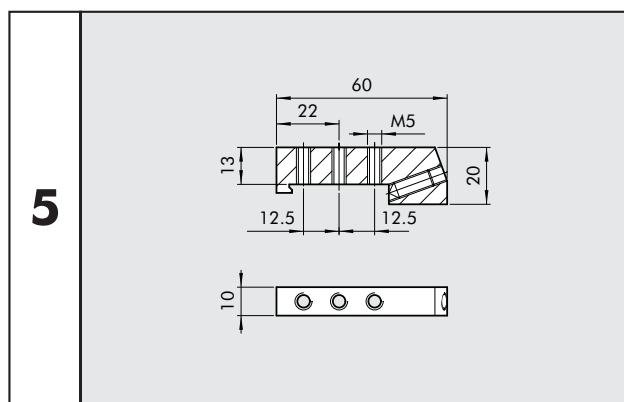
2

ADAPTER FOR Ω BAR BASES 1/8"



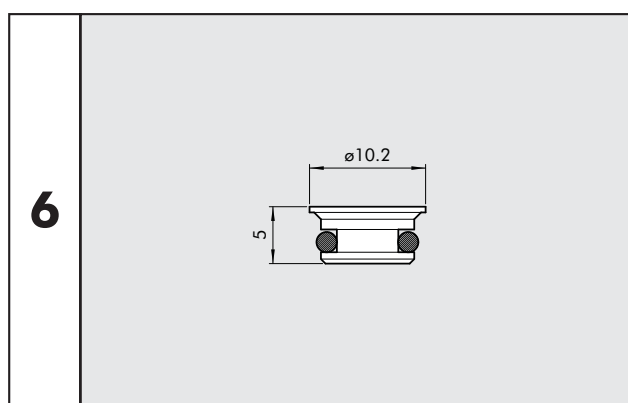
Code	Abbrev.	Weight [g]
0226004600	ADT Ω 1/8"	46
N.B. ALSO FOR MULTIPLE BASES		

ADAPTER FOR Ω BAR BASES 1/4"



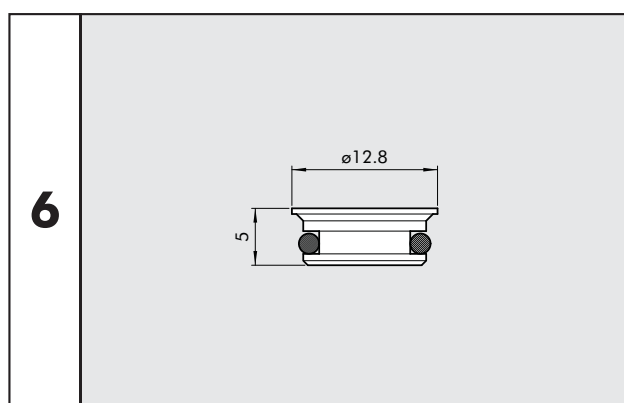
Code	Abbrev.	Weight [g]
0226005600	ADT Ω 1/4"	46
N.B. ALSO FOR MULTIPLE BASES		

INTERMEDIATE DIAPHRAGM 1/8"



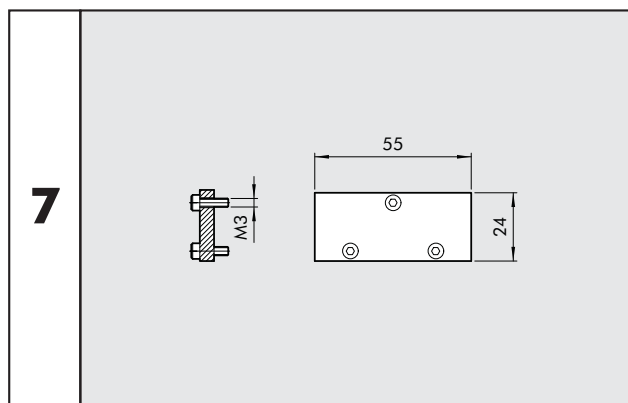
Code	Abbrev.	Weight [g]
0226004000	COMP. DIA. 1/8"	2

INTERMEDIATE DIAPHRAGM 1/4"



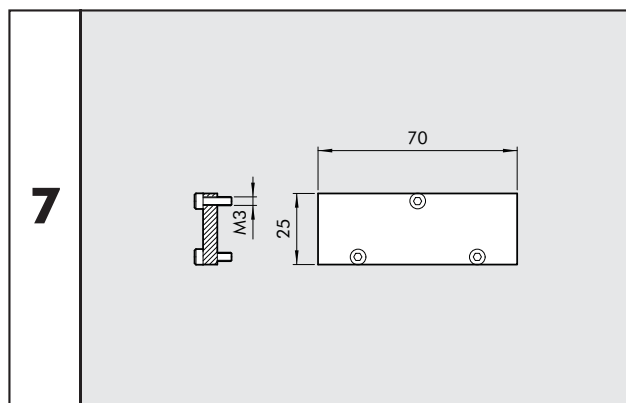
Code	Abbrev.	Weight [g]
0226005000	COMP. DIA. 1/4"	3

BLANKING PLATE FOR UNUSED POSITIONS 1/8"



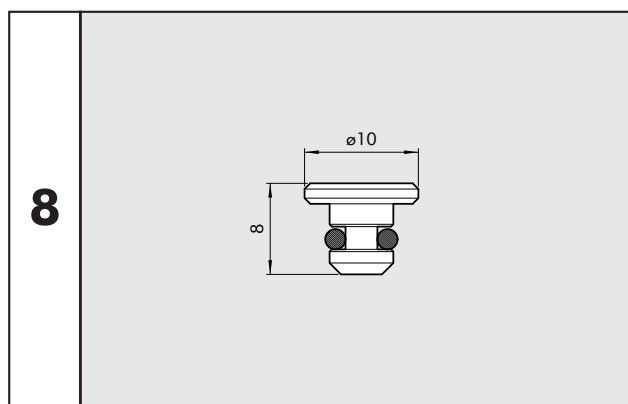
Code	Abbrev.	Weight [g]
0226004500	COMP. PCS 1/8"	23

BLANKING PLATE FOR UNUSED POSITIONS 1/4"



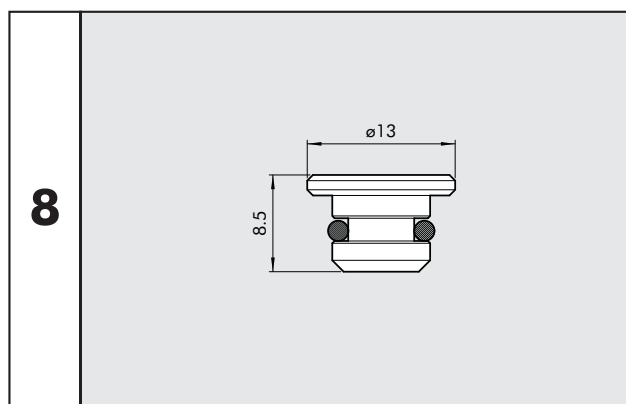
Code	Abbrev.	Weight [g]
0226005500	COMP. PCS 1/4"	29

PLUG FOR 3/2 1/8"



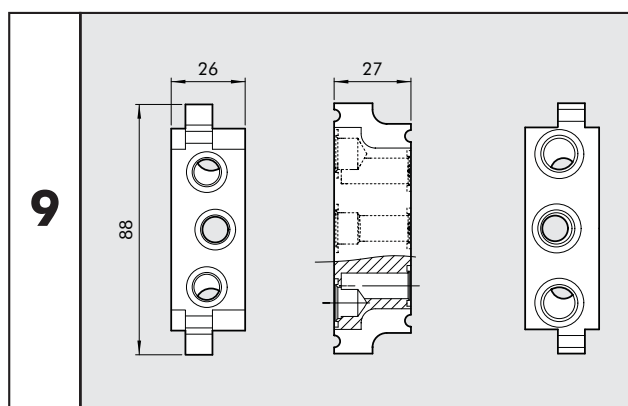
Code	Abbrev.	Weight [g]
0226004001	COMPLETE PLUG 3/2 1/8"	2

PLUG FOR 3/2 1/4"



Code	Abbrev.	Weight [g]
0226005001	COMPLETE PLUG 3/2 1/4"	4

DIMENSIONAL ADAPTER 1/8" – 1/4"



Code	Abbrev.	Weight [g]
0226006600	COMP. ADAPT. 1/8", 1/4"	177

NOTES

