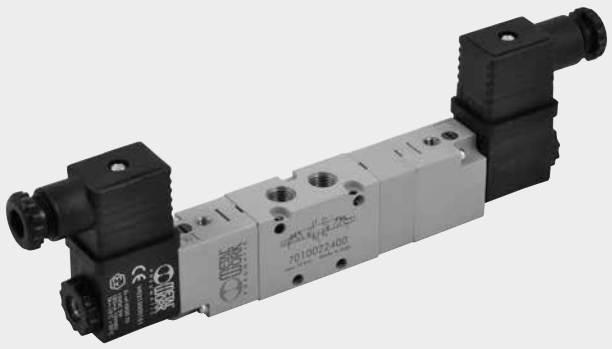
VALVES SERIES 70, SOLENOID/PNEUMATIC

TECHNICAL DATA		1/8"	1/4"	3/8"	1/2"
Operating pressure:					
• monostable and bistable differential	bar	2.5 to10			
• bistable	bar	1 to 10			
• asserved	bar	Vacuum to 10			
Minimum pilot pressure	bar	2.5			
Operating temperature range	°C	-10 to +60			
Nominal diameter	mm	5	7.5	13.3	15
Conductance C	Nl/min · bar	121.43	264.26	505.52	971.43
Critical ratio b	bar/bar	0.32	0.27	0.32	0.43
Flow rate at 6 bar ΔP 0.5 bar	Nl/min	400	750	1560	3200
Flow rate at 6 bar ΔP 1 bar	Nl/min	550	1100	2150	4600
TRA / TRR monostable at 6 bar	ms	15/35	19/45	21/72	36/100
TRA / TRR bistable at 6 bar	ms	20/20	21/21	18/18	25/25
Coil voltage values		12; 24 VDC - 24; 110; 220V AC 50/60Hz			
Power		2 W (DC) 3.5VA (AC)			
Voltage tolerance	%	-10 to +15			
Insulation class		F 155			
Maximum coil nut torque	Nm	1			
Hand operation		Bistable			



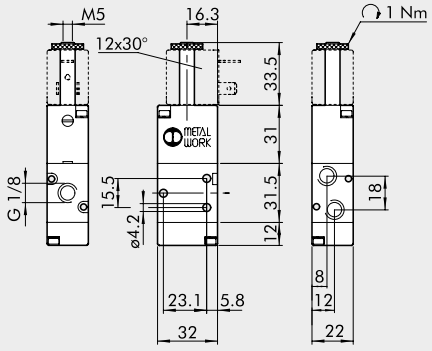
SYNOPTIC, SIZES AND VERSIONS

SOV FAMILY	2 DIMENSIONS	3 FUNCTION	SO OPERATORS 14	S RESETTING (12)	NC FURTHER DETAILS
SOV solenoid/ pneumatic	**2** 1/8" **3** 1/4" **C** 3/8" **4** 1/2"	**3** 3/2 **5** 5/2 **6** 5/3 ■ **8** 2-3/2	**SO** solenoid **SE** solenoid assisted	**S** mechanical springs **B** bistable **D** differential **P** pneumatic ◆ **A** pneumatic/mechanical spring	**OO** no indication **NC** normally closed **NO** normally open **CC** closed centres **OC** open centres **PC** pressure centres ▲ **NC-NO** normally closed - normally open

■ Only available for size 1/8" and 1/4"
◆ On demand
▲ Only available for function 2-3/2

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

MONOSTABLE 3/2 NO, 1/8"



Symbol	Code	Abbrev.	Weight [g]
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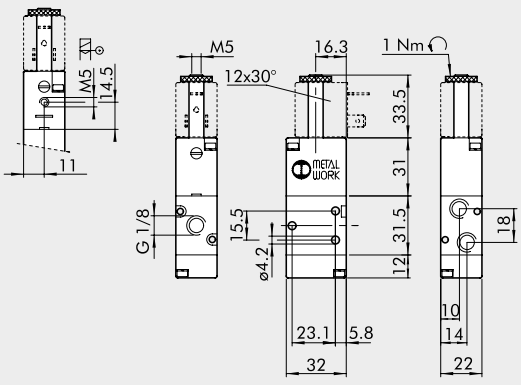
MONOSTABLE 3/2 NC, 1/8"



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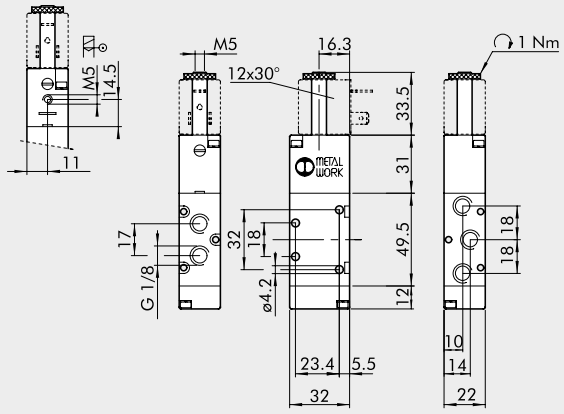
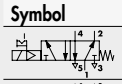
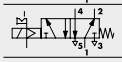
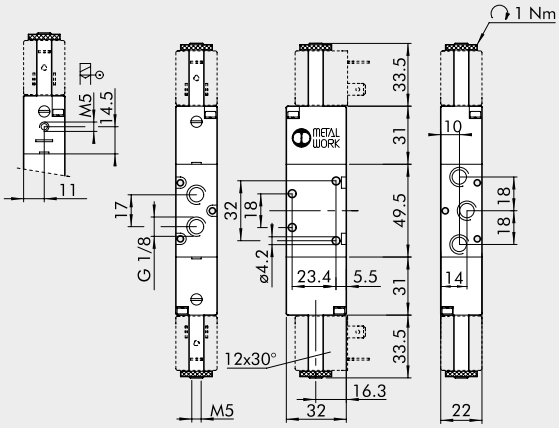
	7010020500	SOV 23 SES NC	100

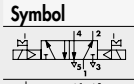
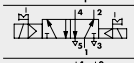
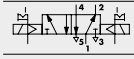
MONOSTABLE 5/2, 1/8"



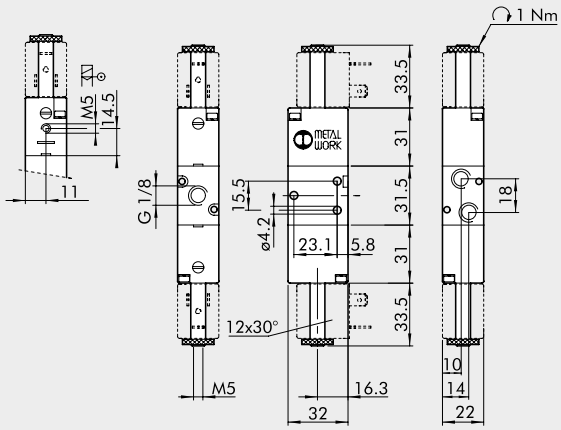
Symbol	Code	Abbrev.	Weight [g]
	**7010021100**	SOV 25 SOS OO	128
	**7010021500**	SOV 25 SES OO	129

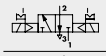
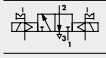
BISTABLE 5/2, 1/8"



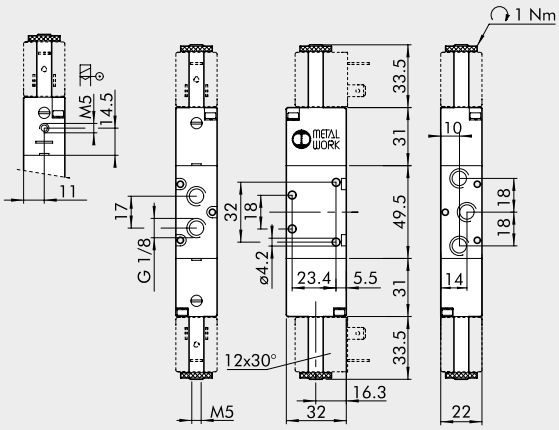
Symbol	Code	Abbrev.	Weight [g]
	**7010021200**	SOV 25 SOB OO	160
	**7010021300**	SOV 25 SOD OO	166
	**7010021600**	SOV 25 SEB OO	160

BISTABLE 3/2, 1/8"



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

DOUBLE 3/2, 1/8"



Symbol	Code	Abbrev.	Weight [g]
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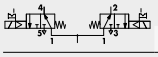
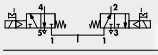
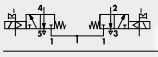
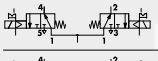
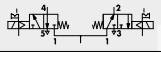
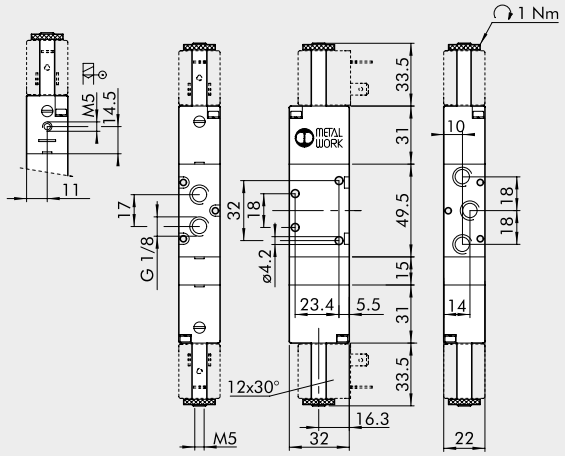
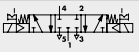
	**7010023200**	SOV 28 SOS NO	186
	**7010023300**	SOV 28 SOS NC-NO	186
	**7010023400**	SOV 28 SES NC	186
	**7010023500**	SOV 28 SES NO	186
	**7010023600**	SOV 28 SES NC-NO	186

MONOSTABLE 5/3, 1/8”



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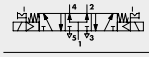
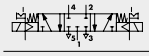
	7010022300	SOV 26 SOS PC	190
	7010022400	SOV 26 SES CC	188
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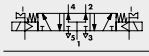
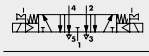
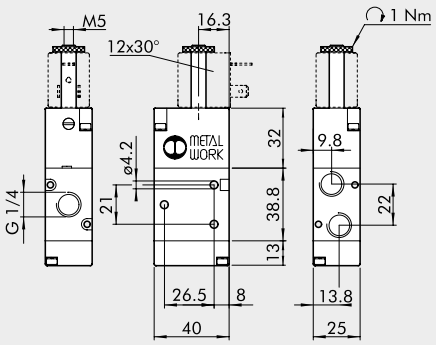
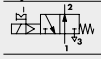
	7010022600	SOV 26 SES PC	188

NOTES

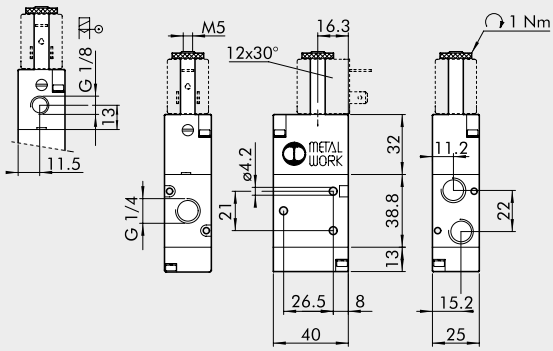
VALVES SERIES 70, SOLENOID/PNEUMATIC, PILOT-ASSISTED SOLENOID/ PNEUMATIC, 1/4”

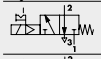
MONOSTABLE 3/2 NO, 1/4”



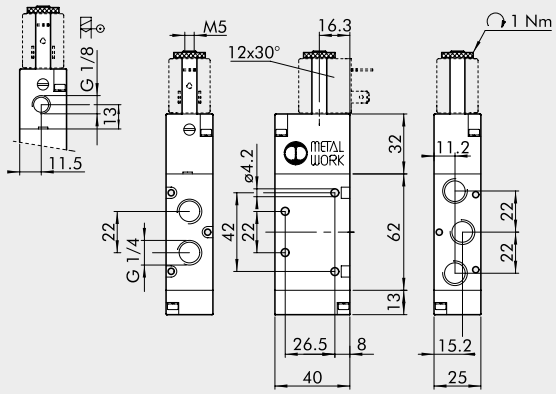
Symbol	Code	Abbrev.	Weight [g]
	7020020400	SOV 33 SOS NO	152

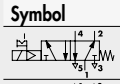
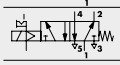
MONOSTABLE 3/2 NC, 1/4”



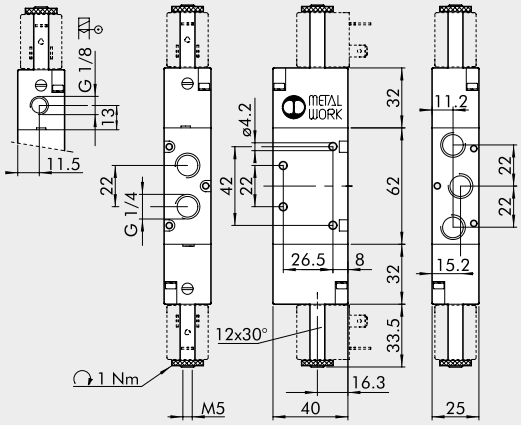
Symbol	Code	Abbrev.	Weight [g]
	7020020200	SOV 33 SOS NC	152
	7020020500	SOV 33 SES NC	152

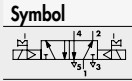
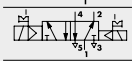
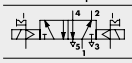
MONOSTABLE 5/2, 1/4"



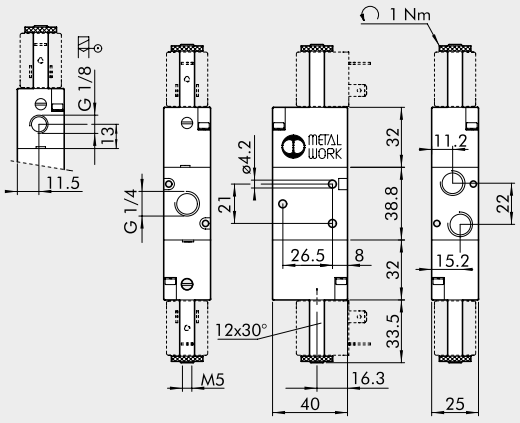
Symbol	Code	Abbrev.	Weight [g]
	**7020021100**	SOV 35 SOS OO	200
	**7020021500**	SOV 35 SES OO	200

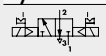
BISTABLE 5/2, 1/4"



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

BISTABLE 3/2, 1/4"



Symbol	Code	Abbrev.	Weight [g]
	**7020020100**	SOV 33 SOB OO	190
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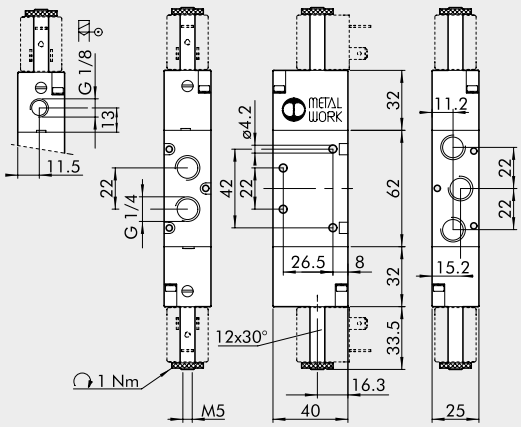
DOUBLE 3/2, 1/4"



Symbol	Code	Abbrev.	Weight [g]
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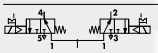
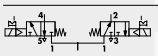
	**7020023200**	SOV 38 SOS NO	286
	**7020023300**	SOV 38 SOS NC-NO	286
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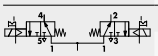	**7020023500**	SOV 38 SES NO	286
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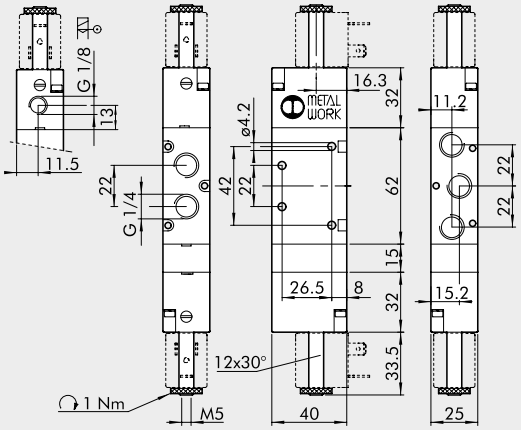
MONOSTABLE 5/3, 1/4”



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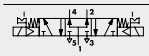
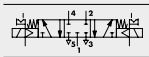
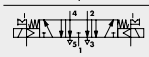
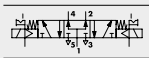
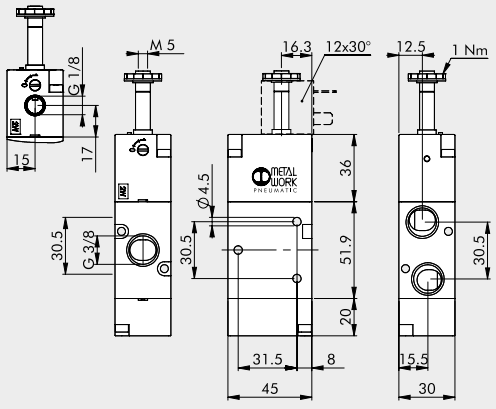
	7020022300	SOV 36 SOS PC	274
	7020022400	SOV 36 SES CC	277
	7020022500	SOV 36 SES OC	277
	7020022600	SOV 36 SES PC	277

NOTES

VALVES SERIES 70, SOLENOID/PNEUMATIC, PILOT-ASSISTED SOLENOID/ PNEUMATIC, 3/8”

MONOSTABLE 3/2 NO, 3/8”



Symbol	Code	Abbrev.	Weight [g]
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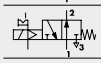
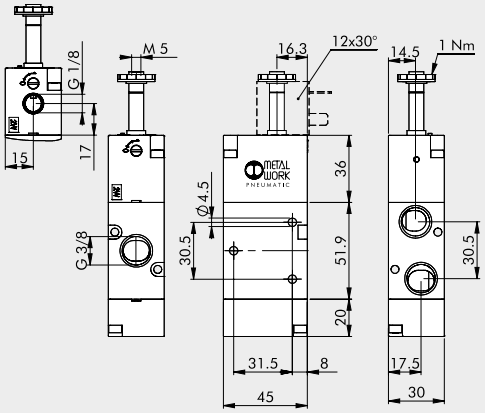
	7040020600	SOV C3 SES NO	255

MONOSTABLE 3/2 NC, 3/8”



Symbol	Code	Abbrev.	Weight [g]
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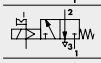
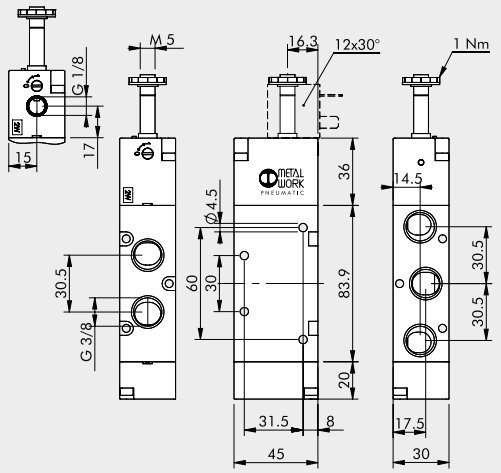
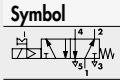
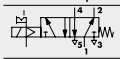
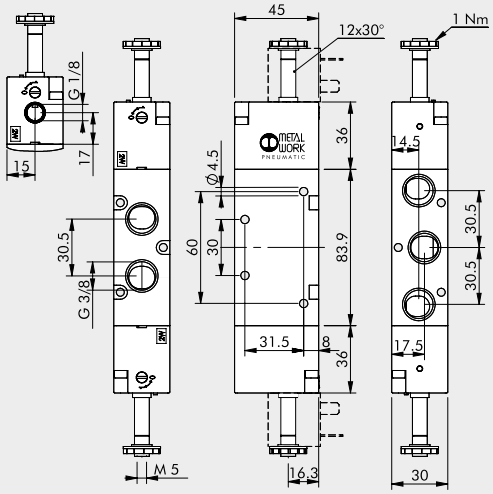
	7040020500	SOV C3 SES NC	255

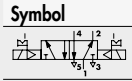
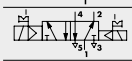
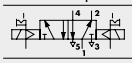
MONOSTABLE 5/2, 3/8"



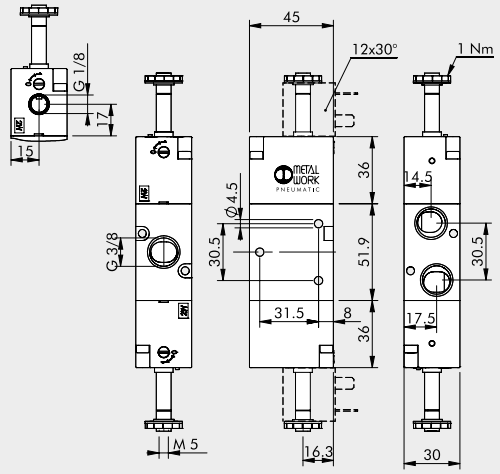
Symbol	Code	Abbrev.	Weight [g]
	**7040021100**	SOV C5 SOS OO	361
	**7040021500**	SOV C5 SES OO	361

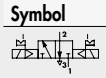
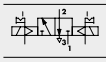
BISTABLE 5/2, 3/8"



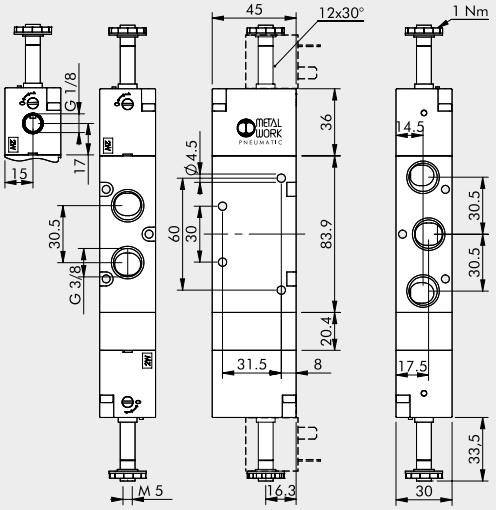
Symbol	Code	Abbrev.	Weight [g]
	**7040021200**	SOV C5 SOB OO	400
	**7040021300**	SOV C5 SOD OO	425
	**7040021600**	SOV C5 SEB OO	400

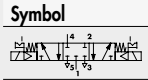
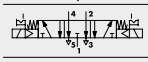
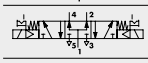
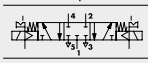
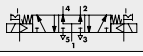
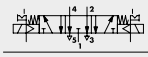
BISTABLE 3/2, 3/8"



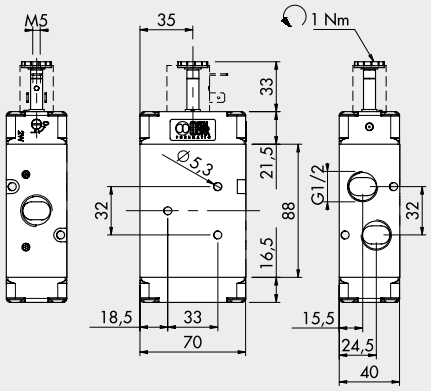
Symbol	Code	Abbrev.	Weight [g]
	**7040020100**	SOV C3 SOB OO	307
	**7040020300**	SOV C3 SEB OO	307

MONOSTABLE 5/3, 3/8"



Symbol	Code	Abbrev.	Weight [g]
	**7040022100**	SOV C6 SOS CC	476
	**7040022200**	SOV C6 SOS OC	474
	**7040022300**	SOV C6 SOS PC	474
	**7040022400**	SOV C6 SES CC	476
	7040022500	SOV C6 SES OC	474
	**7040022600**	SOV C6 SES PC	474

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

MONOSTABLE 3/2 NO, 1/2"



Symbol	Code	Abbrev.	Weight [g]
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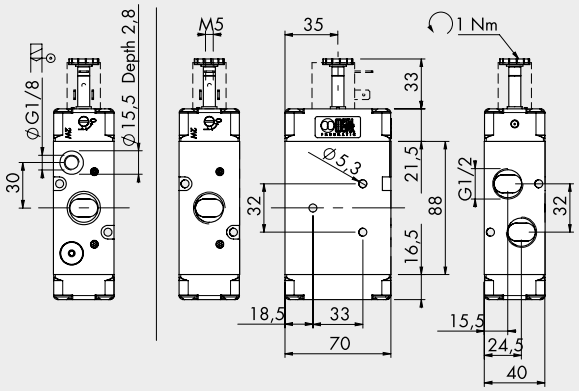
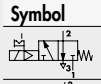
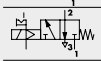
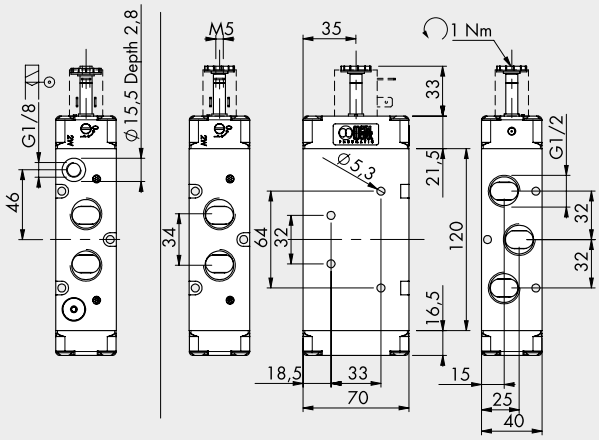
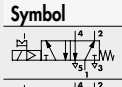
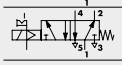
MONOSTABLE 3/2 NC, 1/2"



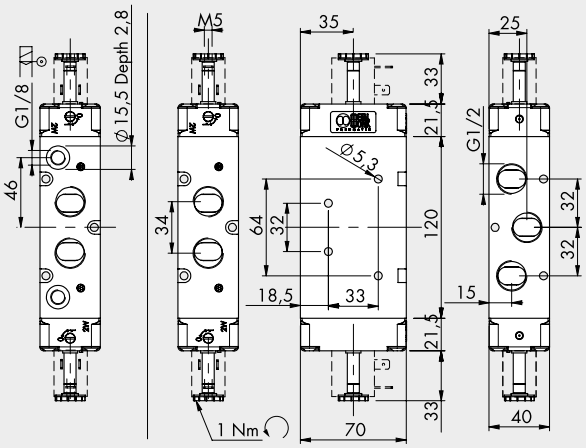
Symbol	Code	Abbrev.	Weight [g]
	7030020200	SOV 43 SOS NC	660
	7030020500	SOV 43 SES NC	654

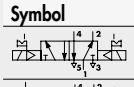
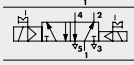
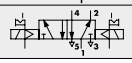
MONOSTABLE 5/2, 1/2"



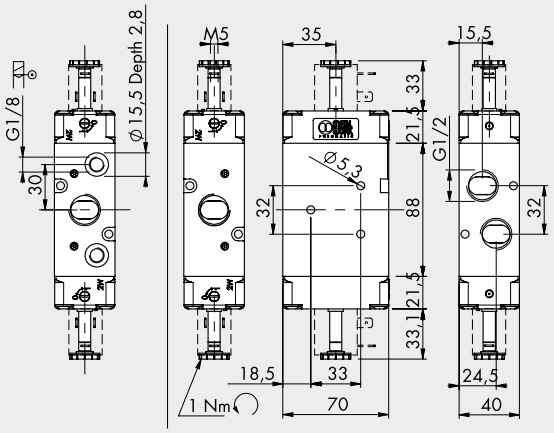
Symbol	Code	Abbrev.	Weight [g]
	7030021100	SOV 45 SOS OO	828
	7030021500	SOV 45 SES OO	830

BISTABLE 5/2, 1/2"



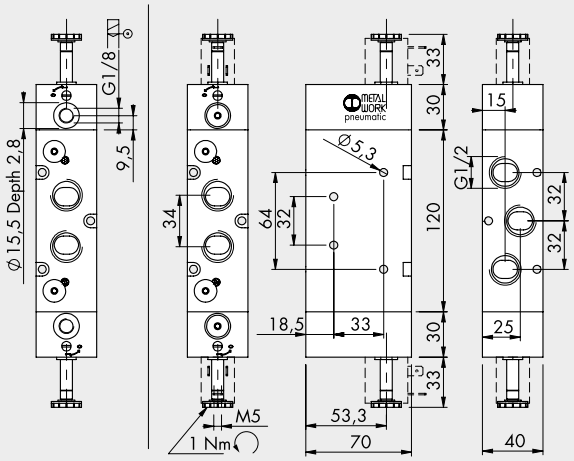
Symbol	Code	Abbrev.	Weight [g]
	7030021200	SOV 45 SOB OO	860
	7030021300	SOV 45 SOD OO	868
	7030021600	SOV 45 SEB OO	854

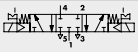
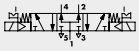
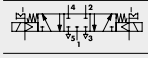
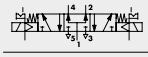
BISTABLE 3/2, 1/2"



Symbol	Code	Abbrev.	Weight [g]
	7030020100	SOV 43 SOB OO	686
	7030020300	SOV 43 SEB OO	678

MONOSTABLE 5/3, 1/2"



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

ACCESSORIES FOR SERIES 70 SOLENOID/PNEUMATIC VALVES

Refer to page **B1**.60 for coils and connectors

NOTES