3/2-directional valve, Series CD04 - inch

- Qn = 900 l/min
- Compressed air connection output 1/8-27 NPTF
- single solenoid
- Pipe connection

Type	Spool valve, positive overlapping
Activation	Mechanical
Switching principle	3/2
Sealing principle	Soft sealing
Nominal flow Qn	900 l/min
Working pressure min./max.	-0.95 ... 10 bar
Ambient temperature min./max.	-20 ... 65 °C
Medium temperature min./max.	-20 ... 65 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.		Actuating element	Version	Compressed air connection type
R412013026		Plunger	NC/NO	Internal thread
R412013021		Roller	NC/NO	Internal thread
R412013022		Roller	NC/NO	Internal thread
R412013025		Hand lever, with detent, without detent	NC/NO	Internal thread
R412013023		Hand lever	NC/NO	Internal thread
R412013024		Rotary lever, with detent	NC/NO	Internal thread
R412013027		Button	NC/NO	Internal thread

Part No.	Compressed air connection Input	Compressed air connection Output	Compressed air connection Exhaust
R412013026	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF
R412013021	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF
R412013022	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF
R412013025	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF
R412013023	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF
R412013024	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF
R412013027	1/8-27 NPTF	1/8-27 NPTF	1/8-27 NPTF

Part No.	Operating force	Material actuating control	Weight	Fig.
	min.			
R412013026	60 N	Stainless steel	0.23 kg	Fig. 1
R412013021	30 N	Polyoxymethylene	0.29 kg	Fig. 2
R412013022	30 N	Stainless steel	0.29 kg	Fig. 2
R412013025	15 N	Polyoxymethylene	0.32 kg	Fig. 3
R412013023	15 N	Aluminum	0.29 kg	Fig. 4
R412013024	15 N	Stainless steel Plastic	0.5 kg	Fig. 5
R412013027	60 N	Polyoxymethylene	0.25 kg	Fig. 6

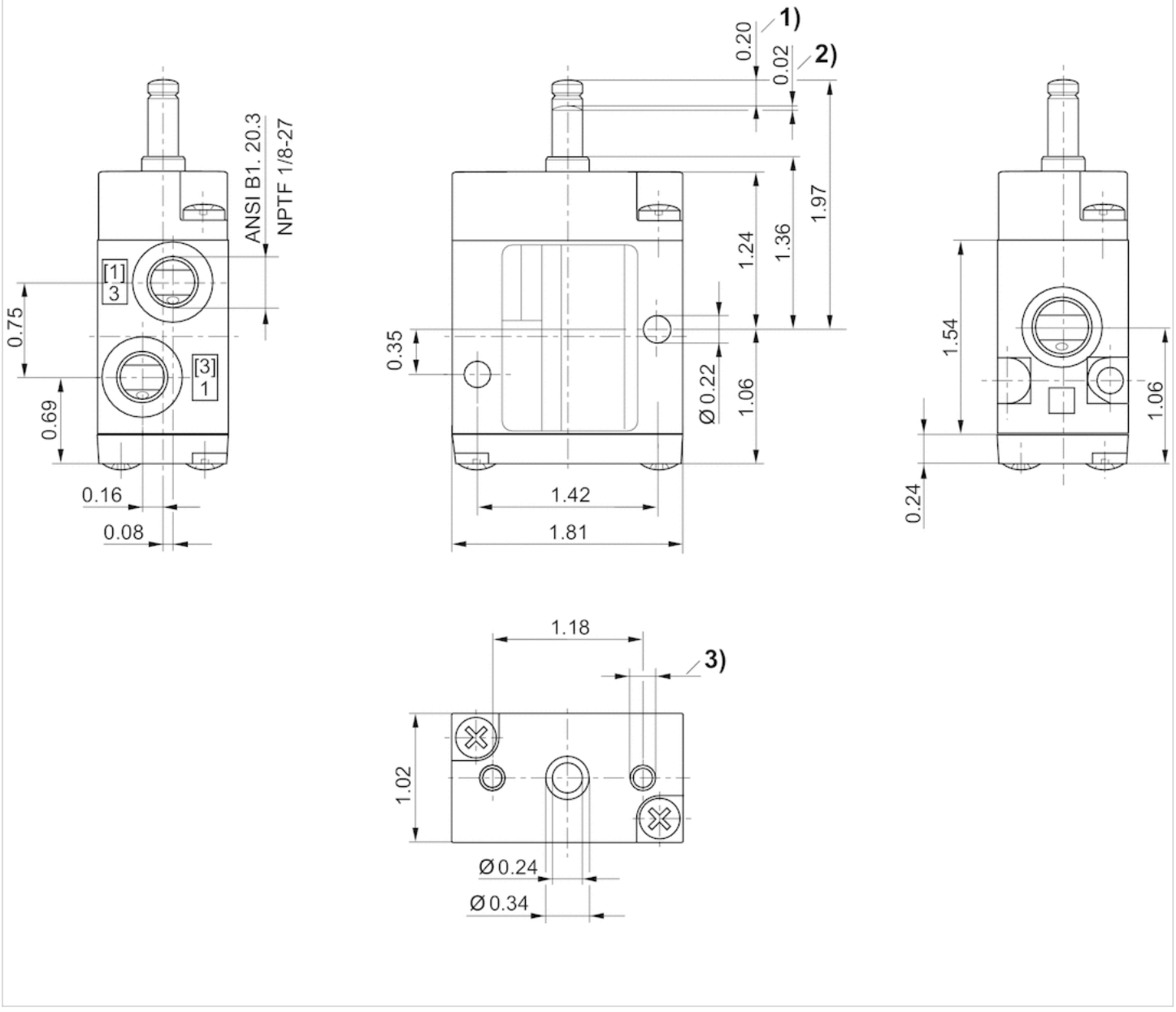
Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

Material	
Actuating element	Stainless steel Polyoxymethylene Aluminum Stainless steel, Plastic

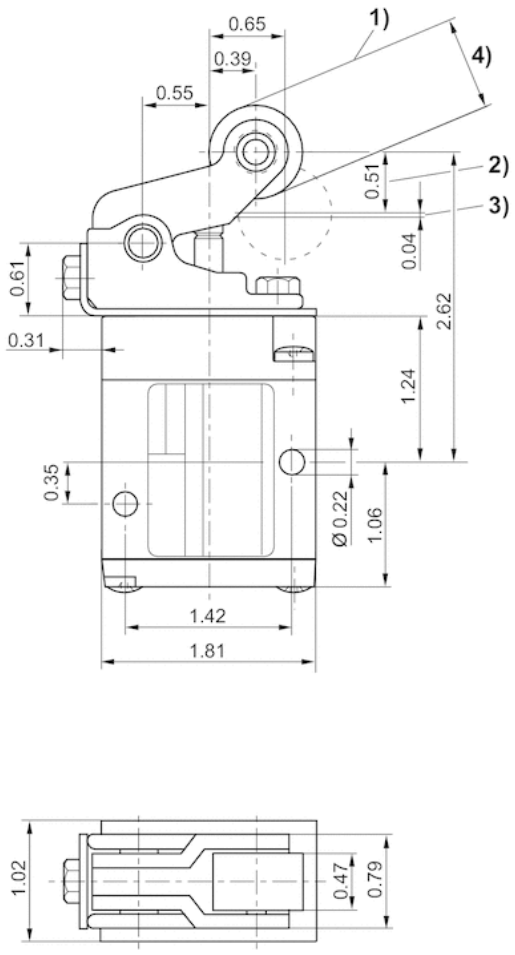
Dimensions

Dimensions in inches, Fig. 1, Basic valve



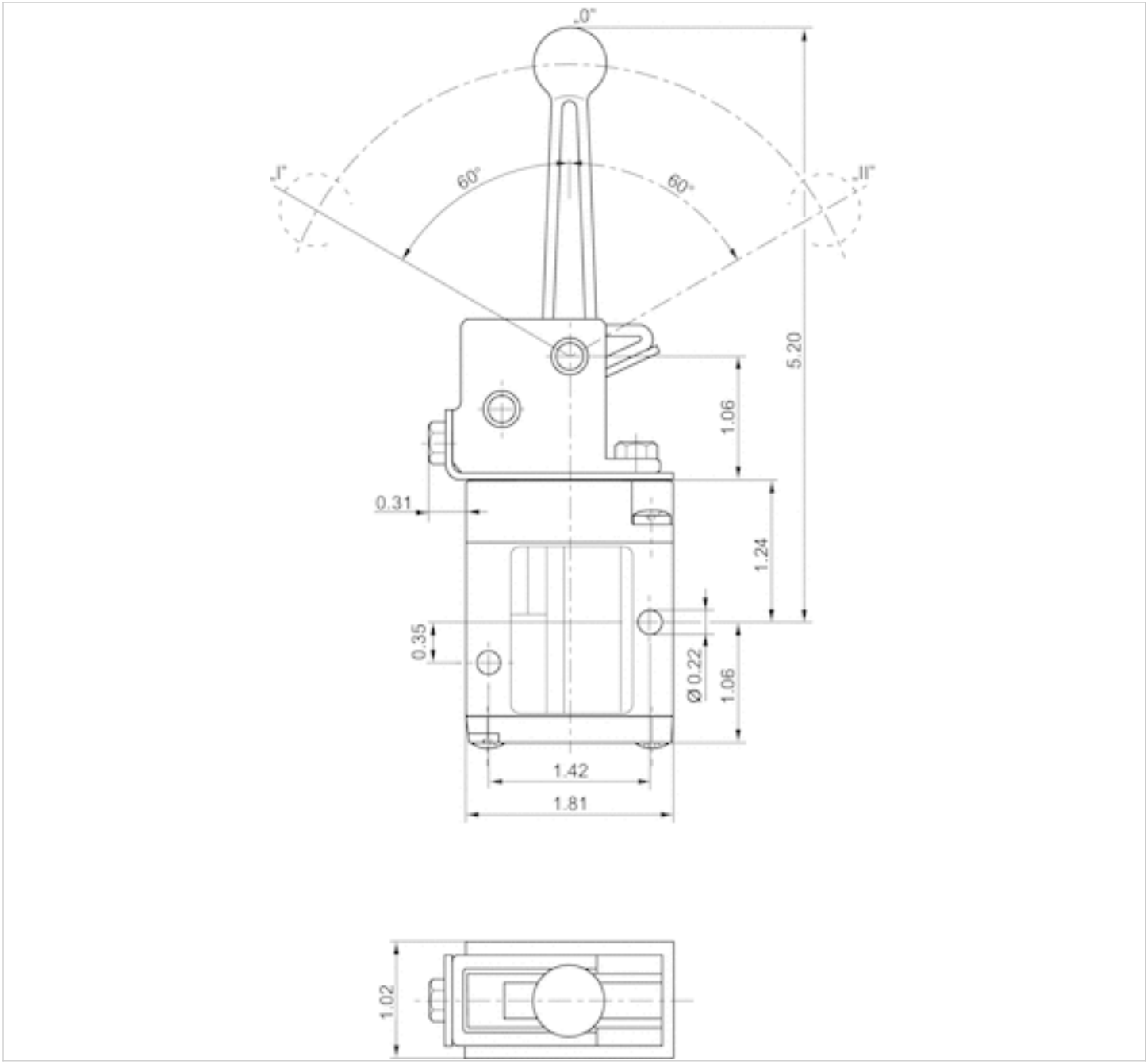
1) Stroke 2) Overstroke 3) Ø 0.18 - 0.47 mm deep

Dimensions in inches, Fig. 2



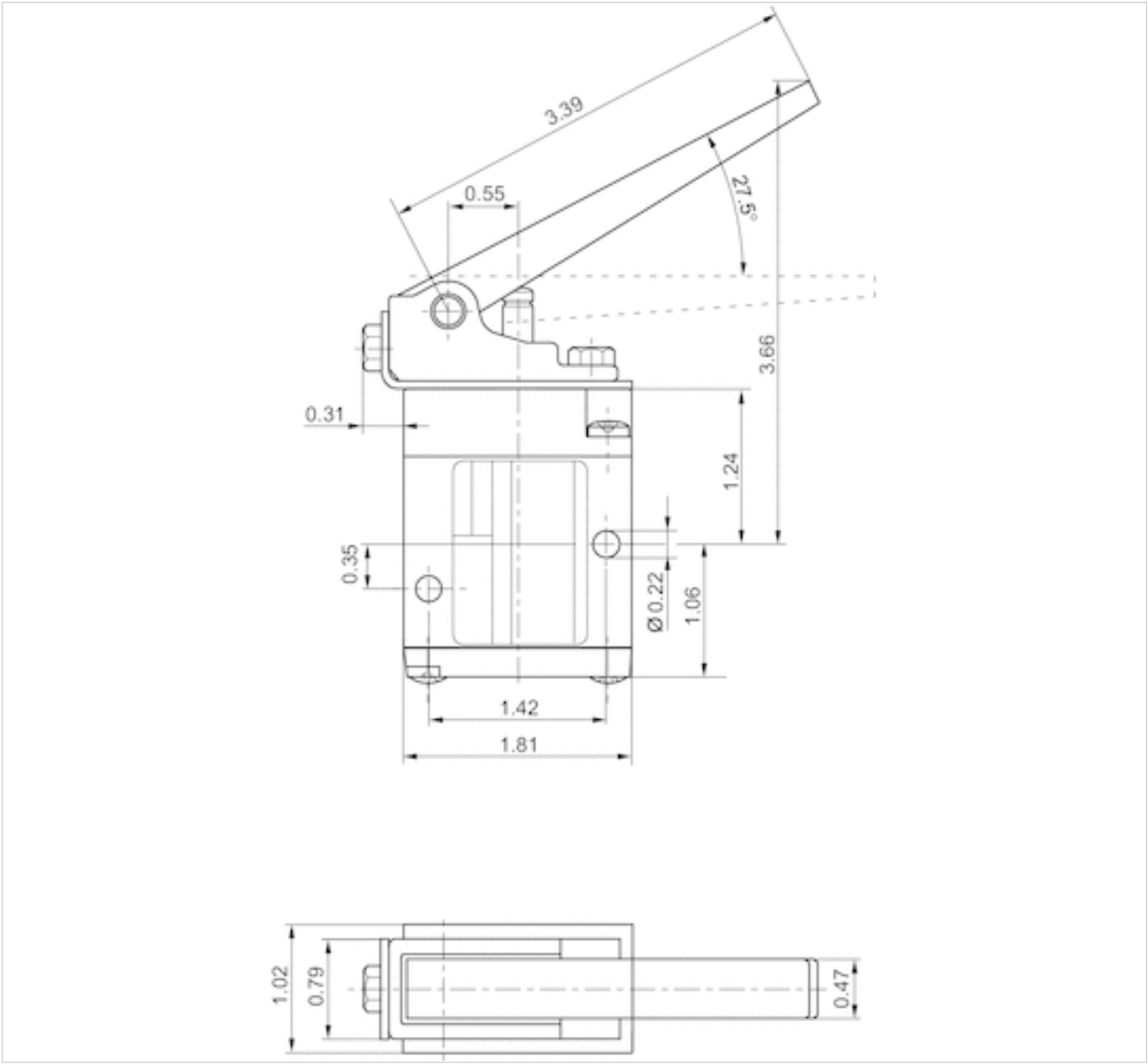
1) approach angle of rollers max. 30° 2) stroke 3) overstroke
4) R412013021: Ø 0,79 (POM) / R412013022: Ø 0,75 (ST)

Dimensions in inches, Fig. 3



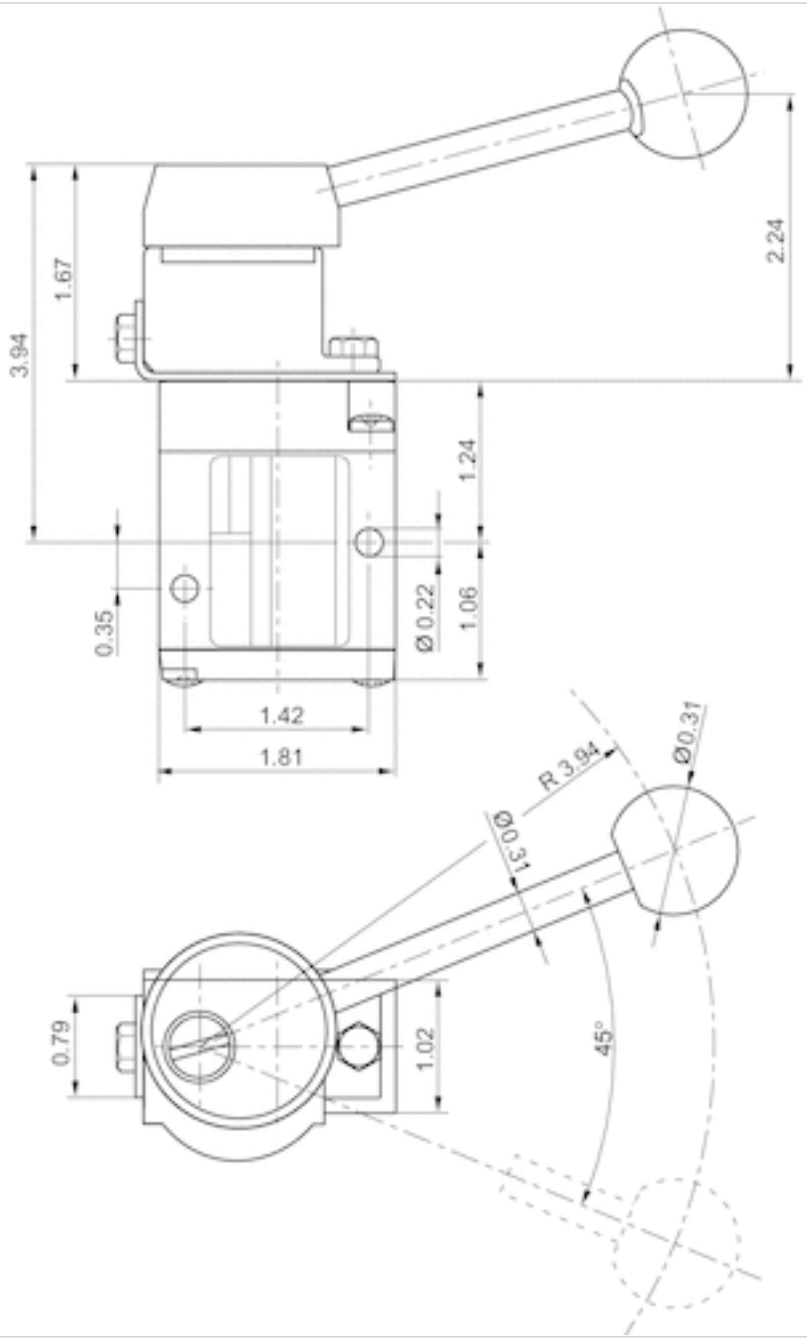
Position 0: initial position, position I: with detent, manual return, position II: automatic spring return.

Dimensions in inches, Fig. 4



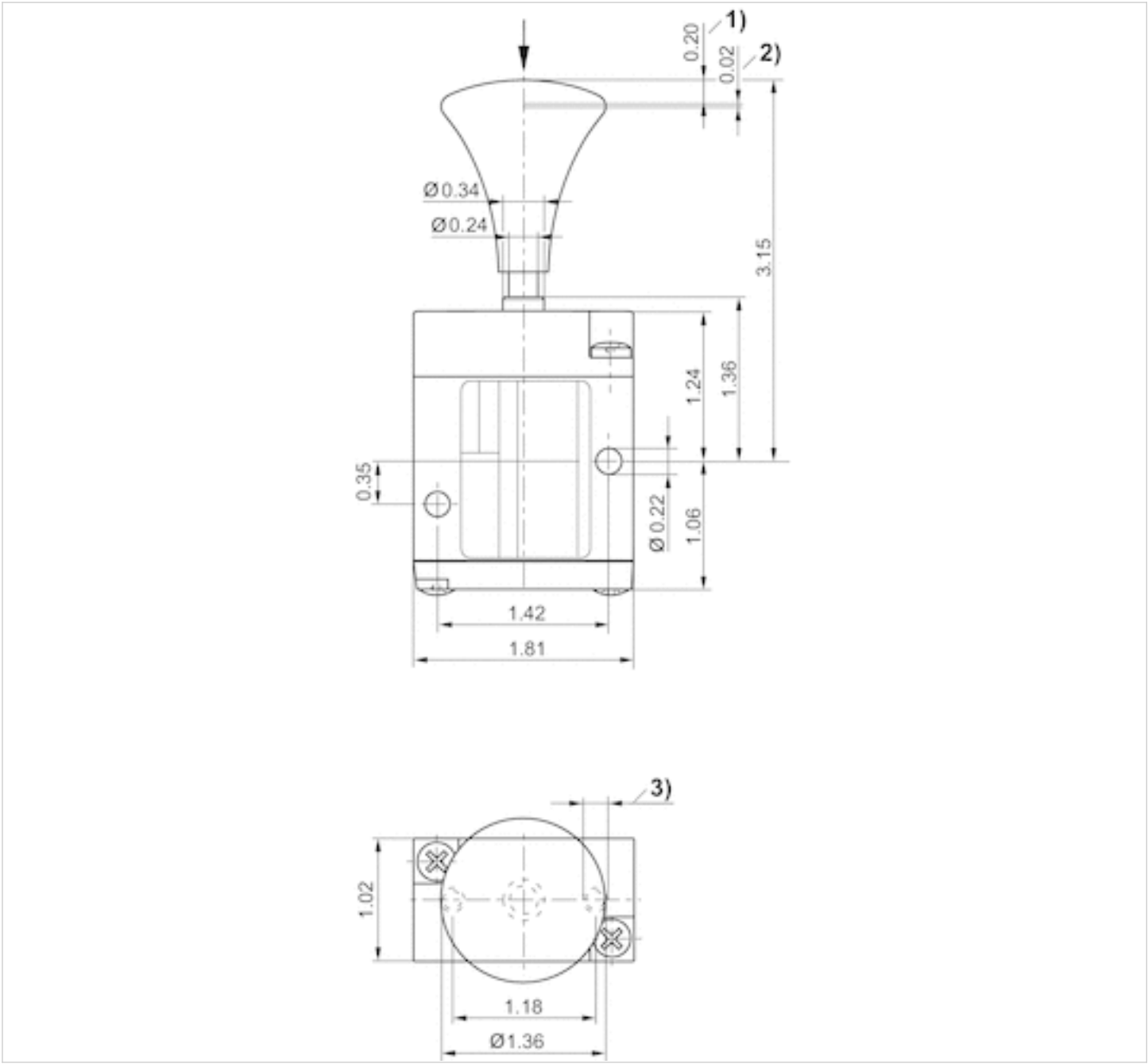
Dimensions of basic valve apply to all types of actuation.

Dimensions in inches, Fig. 5



Dimensions of basic valve apply to all types of actuation.

Dimensions in inches, Fig. 6



1) Stroke 2) Overstroke 3) Ø 0.18 - 0.47 mm deep

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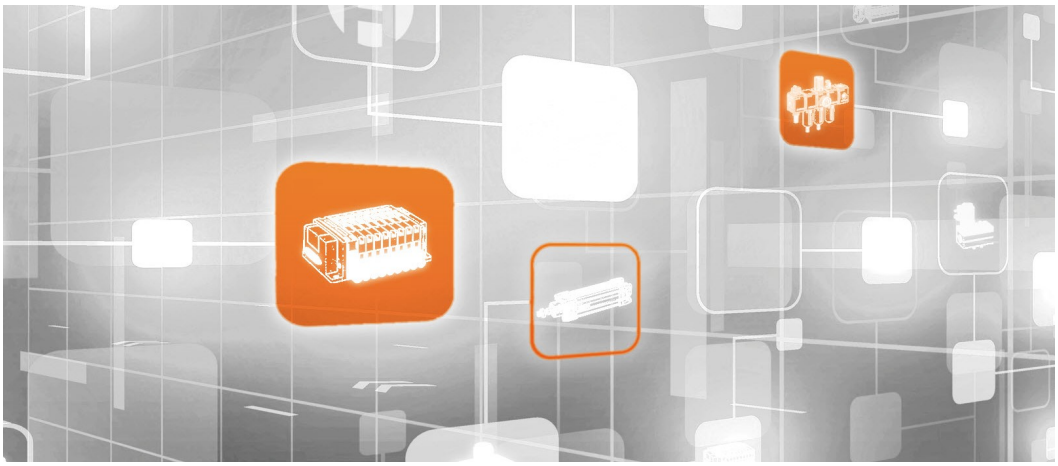

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