spring plunger

 KE5 spring plunger	 KI5 spring plunger	 KE18 spring plunger
 KI18 spring plunger	 KE14 spring plunger	 KI14 spring plunger
 KE38 spring plunger	 KI38 spring plunger	 KE12 spring plunger
 KI12 spring plunger		
 MTE spring plunger	 MTI spring plunger	 MTA spring plunger

KE5 spring plunger

■ Features

Built-in cushioning spring that automatically adjusts for height differences when conveying objects with varying heights. Multiple thread connections and various stroke specifications, suitable for standard-sized suction cups, with a wide range of applications. Spring cushioning provides flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

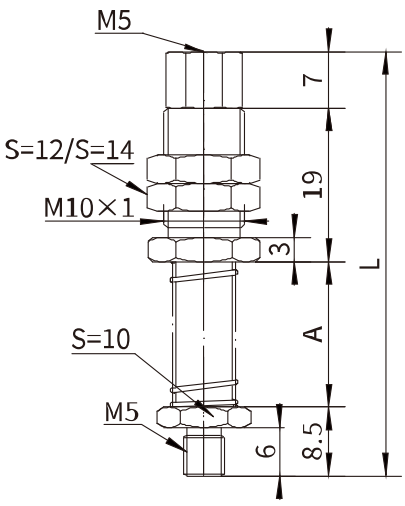
■ Order Code

KE 5 10 – V – A10

① ② ③ ④ ⑤

① Model	② air tube end specifications	③ buffer stroke	④ suction cup end specifications	⑤ installation with external thread connection
KE-external spring	5-M5	10-10mm stroke 20-20mm stroke 25-25mm stroke	blank-external threadM5 V-internal threadM5	A01-G1/8 A10-M10X1 A12-M12X1

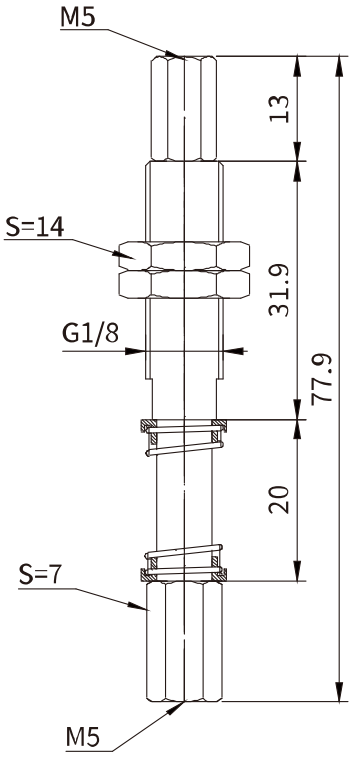
■ Dimensions



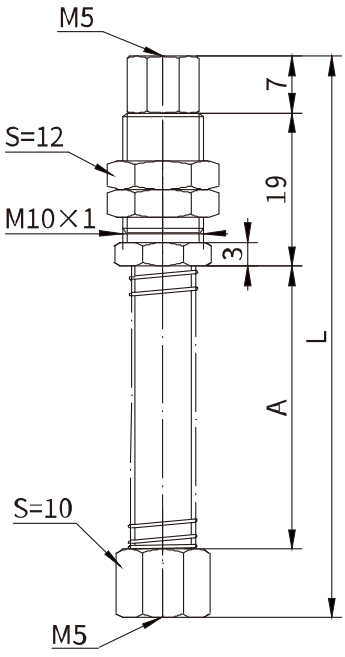
KE5 10–A10

① ②

① buffer stroke	② bushing specifications	A	L
07	A10(A12)	18	52.5
15	A10(A12)	28	62.5



KE5 10–V–A01



KE5 10–V–A10

①

① buffer stroke	A	L
10	20	54.5
20	30	64.5
25	35	69.5

KI5 spring plunger

■ Features

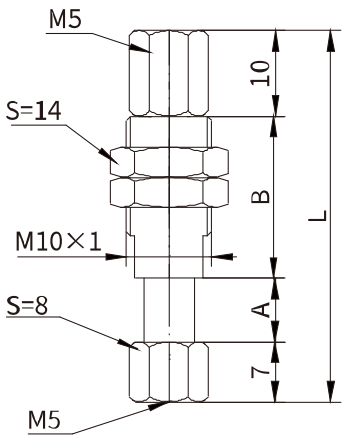
Built-in cushioning spring for automatic height adjustment when conveying objects with varying heights. Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications. Spring cushioning for flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for extended lifespan.

■ Order Code

KI ① 5 ② 10 ③ – V ④ – A10 ⑤

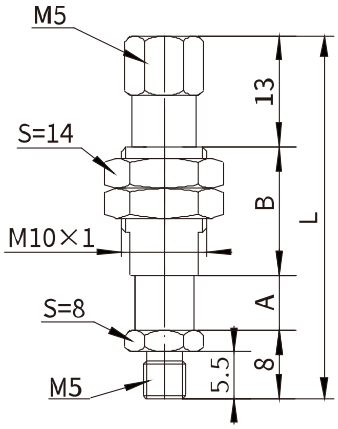
① Model	② air tube end specifications	③ buffer stroke	④ suction cup end specifications	⑤ installation with external thread connection
KI-built-in spring	5-M5	06-06mm stroke 07-07mm stroke 10-10mm stroke 12-12mm stroke 15-15mm stroke 20-20mm stroke 25-25mm stroke	blank-external thread M5 V-internal thread M5 F-anti-rotation M5	A10-M10X1

■ Dimensions



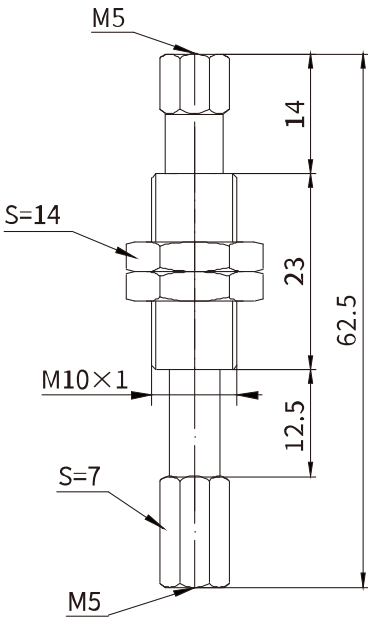
KI5 07–V–A10
①

① buffer stroke	A	B	L
07	7.5	19	43.5
15	15.5	23	55.5
20	20.5	36	73.5
25	25.5	41.5	84



KI5 06–A10
①

① buffer stroke	A	B	L
06	6.5	15	42.5
10	10.5	44	75.5
25	25.5	44	90.5



KI5 12–F–V–A10

KE18 spring plunger

■ Features

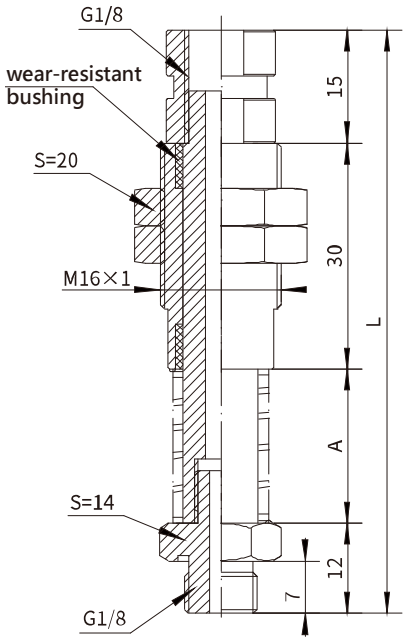
External cushioning spring for automatic height adjustment when conveying objects with varying heights. Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications. Spring cushioning for flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

■ Order Code

KE ① 18 ② 10 ③ – □ ④ – A16 ⑤

① Model	② threaded connection specifications	③ buffer stroke	④ specification method	⑤ bushing external thread
KE-external spring	18-G1/8	10-10mm stroke 20-20mm stroke 30-30mm stroke 50-50mm stroke	blank-external thread V-internal thread	A16-M16X1 A18-M18X1

■ Dimensions



KE18 10–□–A16
① ②

①buffer stroke	② blankdefault/V	A	L
10	standard connector/internal thread connector	20.5	77.5
20	standard connector/internal thread connector	35.5	92.5
30	standard connector/internal thread connector	50.5	107.5
50	standard connector/internal thread connector	70.5	127.5

KI18 spring plunger

■ Features

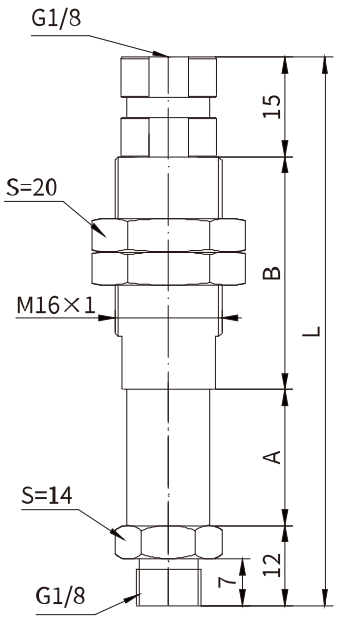
Built-in cushioning spring for automatic height adjustment when conveying objects with varying heights. Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications. Spring cushioning provides flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

■ Order Code

KI ① 18 ② 10 ③ – □ ④ – A16 ⑤

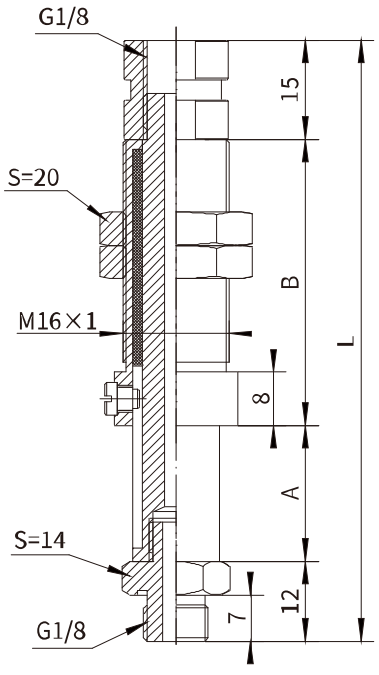
① Model	② threaded connection specifications	③ buffer stroke	④ specification method	⑤ bushing external thread
KI-built-in spring	18-G1/8	10-10mm stroke 20-20mm stroke 30-30mm stroke 50-50mm stroke	blank-external thread V-internal thread F-anti-rotation L-side air inlet	A16-M16X1 A18-M18X1

■ Dimensions



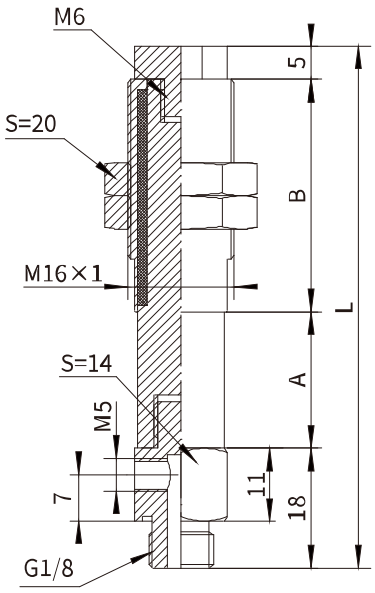
KI18 10–□–A16
① ②

①buffer stroke	②blank default/V	A	B	L
10	standard connector/internal thread connector	10.5	25	62.5
20	standard connector/internal thread connector	20.5	35	82.5
30	standard connector/internal thread connector	30.5	45	102.5
50	standard connector/internal thread connector	50.5	65	142.5



KI18 10–F–A16
①

①buffer stroke	A	B	L
10	10.5	33	70.5
20	20.5	43	90.5
30	30.5	53	110.5
50	50.5	73	150.5



KI18 10–L–A16
① ②

①buffer stroke	A	B	L
10	10.5	25	58.5
20	20.5	35	78.5
30	30.5	45	98.5
50	50.5	65	138.5

KE14 spring plunger

Features

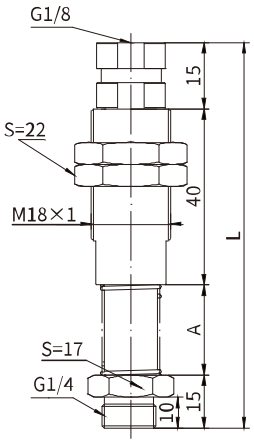
- External cushioning spring for automatic height adjustment when conveying objects with varying heights.
- Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications.
- Spring cushioning for flexible contact with delicate or easily damaged workpieces.
- Wear-resistant guide rods for an extended lifespan. Optional anti-rotation feature.

Order Code

KE ① 14 ② 10 ③ – V ④ – A18 ⑤

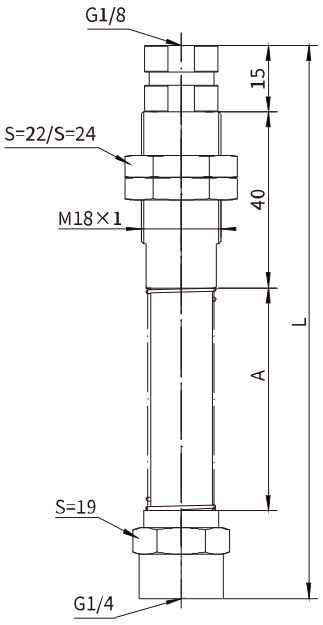
① Model	② threaded connection specifications	③ buffer stroke	④ specification method	⑤ bushing external thread
KE-external spring	14-G1/4	10-10mm stroke 20-20mm stroke 25-25mm stroke 30-30mm stroke 50-50mm stroke 70-70mm stroke 75-75mm stroke	blank-external thread V-internal thread F-anti-rotation	A18-M18X1 A20-M20X1.5

■ Dimensions



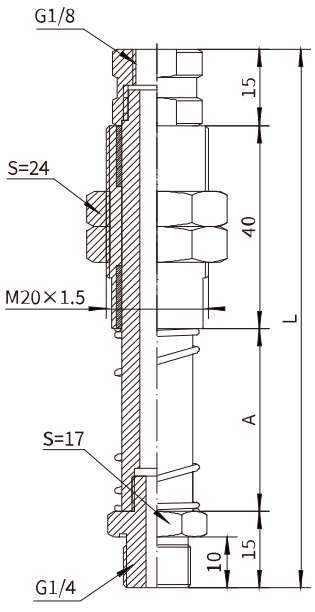
KE14 10–A18
①

①buffer stroke	A	L
10	20.5	90.5
20	35.5	105.5
30	50.5	120.5
50	70.5	140.5



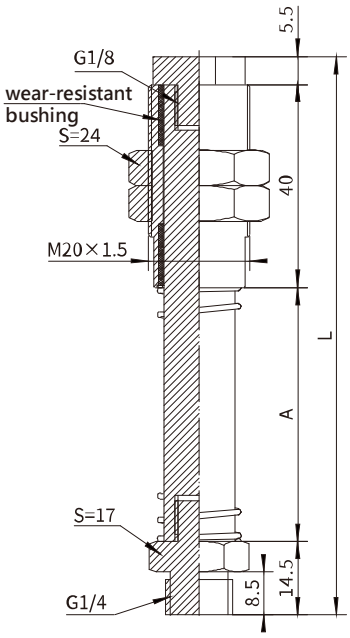
KE14 10–V–A18
① ②

① buffer stroke	② bushing specifications	A	L
10	A18/A20	20.5	95.5
20	A18/A20	35.5	110.5
30	A18/A20	50.5	125.5
50	A18/A20	70.5	145.5



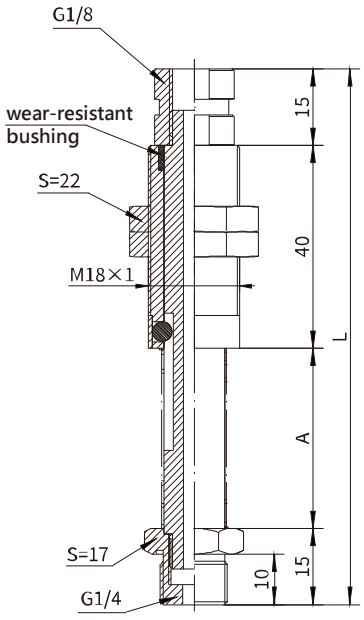
KE14 10–A20
①

①buffer stroke	A	L
10	20.5	90.5
20	35.5	105.5
30	50.5	120.5
50	70.5	140.5
70	90.5	160.5



SKE14 25–A20
① ②

①S	②buffer stroke	A	L
solid guide rod	25	50	110
solid guide rod	50	70	130
solid guide rod	75	94	154



KE14 10–F–A18
①

① buffer stroke	A	L
10	20.5	90.5
20	35.5	105.5
30	50.5	120.5
50	70.5	140.5

KI14 spring plunger

■ Features

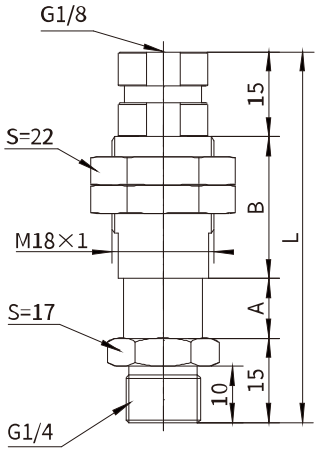
- Built-in cushioning spring for automatic height adjustment when conveying objects with varying heights.
- Various thread connections and different stroke specifications.
- Suitable for standard-sized suction cups, with a wide range of applications.
- Spring cushioning for flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

■ Order Code

KI ① 14 ② 10 ③ – V ④ – A18 ⑤

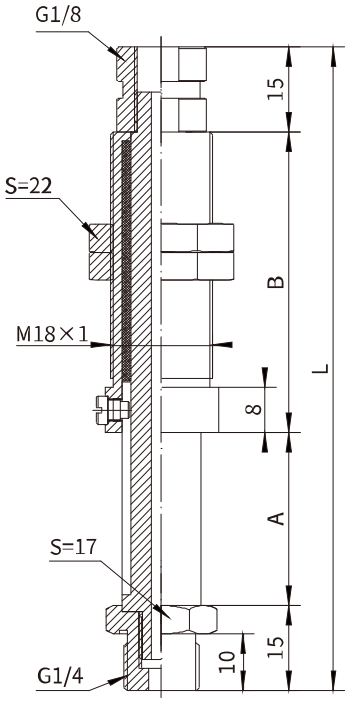
① Model	② threaded connection specifications	③ buffer stroke	④ specification method	⑤ bushing external thread
KI-built-in spring	14-G1/4	10-10mm stroke 20-20mm stroke 30-30mm stroke 50-50mm stroke	blank-external thread V-internal thread F-anti-rotation	A18-M18X1 A20-M20X1.5

■ Dimensions



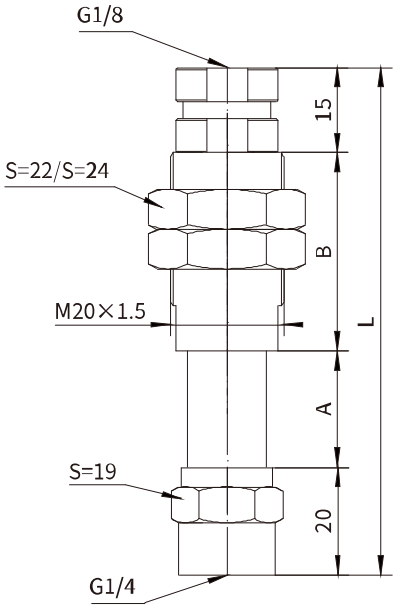
KI14 10–A18
①

①buffer stroke	A	B	L
10	10.5	25	65.5
20	20.5	35	85.5
30	30.5	45	105.5
50	50.5	75	155.5



KI14 10–F–A18
①

①buffer stroke	A	B	L
10	10.5	33	73.5
20	20.5	43	93.5
30	30.5	53	113.5
50	50.5	83	163.5



KI14 10–V–A18
① ②

①buffer stroke	② bushing specifications	A	B	L
10	A18/A20	10.5	25	70.5
20	A18/A20	20.5	35	90.5
30	A18/A20	30.5	45	110.5
50	A18/A20	50.5	75	160.5

KE38 spring plunger

Features

- External cushioning spring for automatic height adjustment when conveying objects with varying heights.
- Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications.
- Spring cushioning for flexible contact with delicate or easily damaged workpieces.
- Wear-resistant guide rods for an extended lifespan. Optional anti-rotation feature.

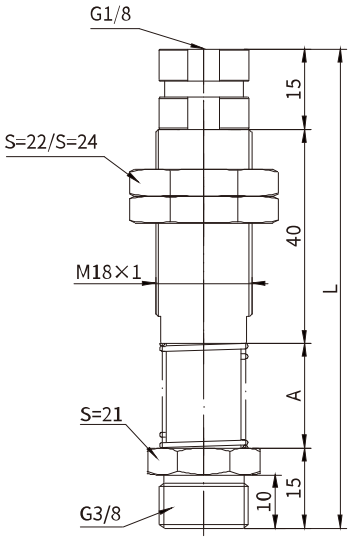
Order Code

KE ① 38 ② 10 ③ – V ④ – A18 ⑤ – D ⑥

① Model	② threaded connection specifications	③ buffer stroke	④ specification method
KE-external spring	38-G3/8	10-10mm stroke 20-20mm stroke 30-30mm stroke 50-50mm stroke 70-70mm stroke 75-75mm stroke 100-100mm stroke	blank-external thread V-internal thread F-anti-rotation

⑤ bushing external thread	⑥ upper connector specifications
A18-M18X1 A20-M20X1.5	Internal thread 1/8

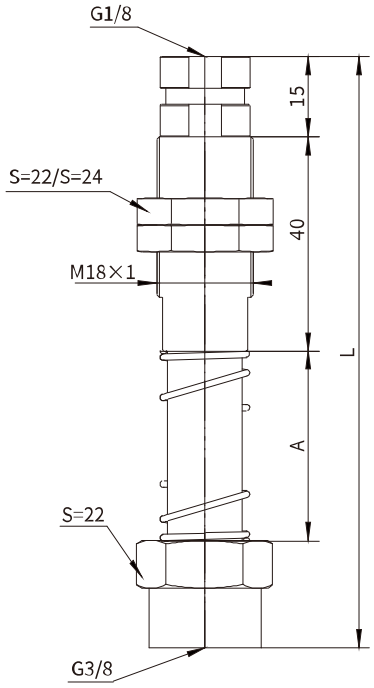
■ Dimensions



KE38 10-A18
① ②

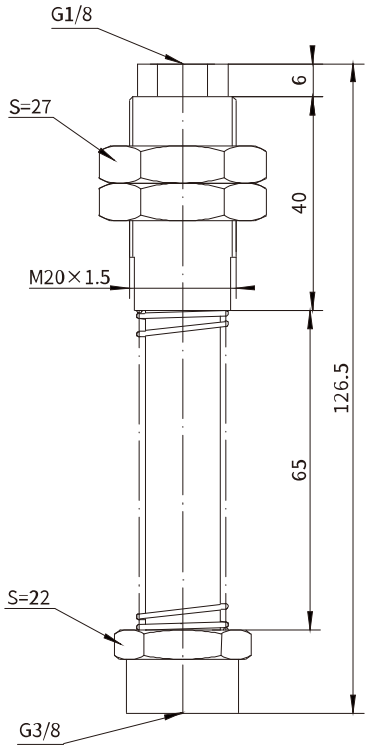
① buffer stroke	② bushing specifications	A	L
10	A18/A20	20.5	90.5
20	A18/A20	35.5	105.5
30	A18/A20	50.5	120.5
50	A18/A20	70.5	140.5
70	A20	90.5	150.5
100	A20	130.5	200.5

A20 added wear-resistant sleeve

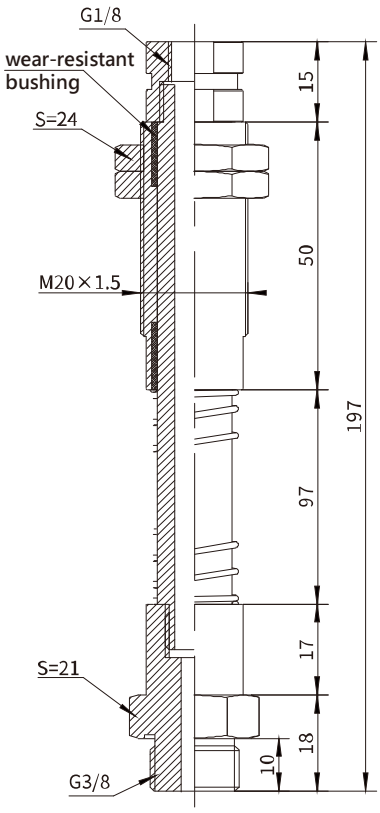


KE38 10-V-A18
① ②

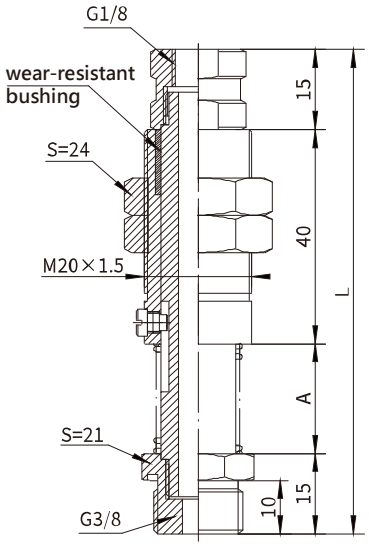
① buffer stroke	② bushing specifications	A	B
10	A18/A20	20.5	95.5
20	A18/A20	35.5	110.5
30	A18/A20	50.5	125.5
50	A18/A20	70.5	145.5



KE38 50-V-A20-D



KE38 70-A20



KE38 10-F-A20
①

① buffer stroke	A	L
10	20.5	90.5
20	35.5	105.5
30	50.5	120.5
50	70.5	140.5

KI38 spring plunger

■ Features

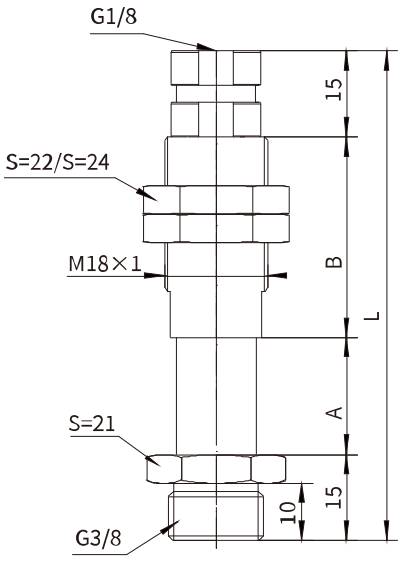
- Built-in cushioning spring for automatic height adjustment when conveying objects with varying heights.
- Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications.
- Spring cushioning for flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

■ Order Code

KI ① 38 ② 10 ③ – V ④ – A18 ⑤

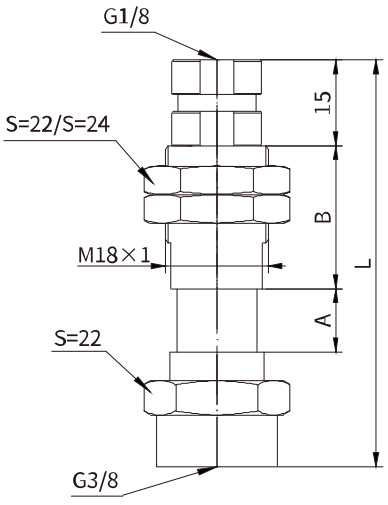
①Model	②threaded connection specifications	③buffer stroke	④specification method	⑤bushing external thread
KI-built-in spring	38-G3/8	10-10mm stroke 20-20mm stroke 30-30mm stroke 50-50mm stroke	blank-external thread V-internal thread F-anti-rotation	A18-M18X1 A20-M20X1.5

■ Dimensions



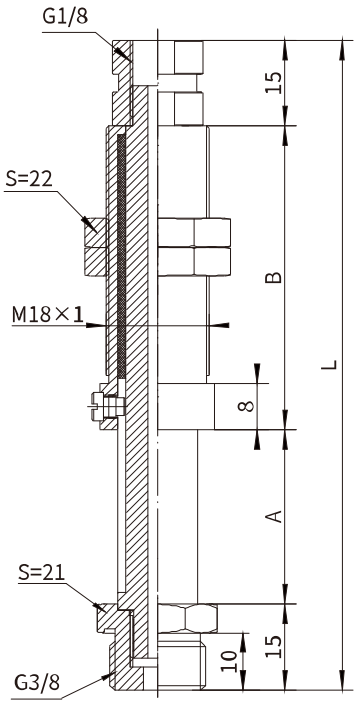
KI38 10–A18
① ②

①buffer stroke	②bushing specifications	A	B	L
10	A18/A20	10.5	25	65.5
20	A18/A20	20.5	35	85.5
30	A18/A20	30.5	45	105.5
50	A18/A20	50.5	75	155.5



KI38 10–V–A18
① ②

①buffer stroke	②bushing specifications	A	B	L
10	A18/A20	11	25	71
20	A18/A20	21	35	91
30	A18/A20	31	45	111
50	A18/A20	51	75	161



KI38 10–F–A18
① ②

①buffer stroke	②bushing specifications	A	B	L
10	A18/A20	10.5	33	73.5
20	A18/A20	20.5	43	93.5
30	A18/A20	30.5	53	113.5
50	A18/A20	50.5	83	163.5

KE12 spring plunger

■ Features

- Built-in cushioning spring for automatic height adjustment when conveying objects with varying heights.
- Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications.
- Spring cushioning for flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

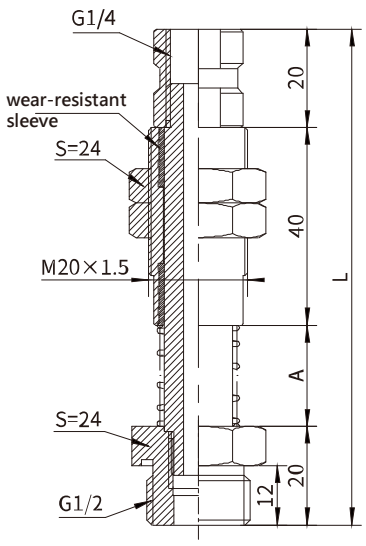
■ Order Code

S KE 12 10 – □ – A20

⑥ ① ② ③ ④ ⑤

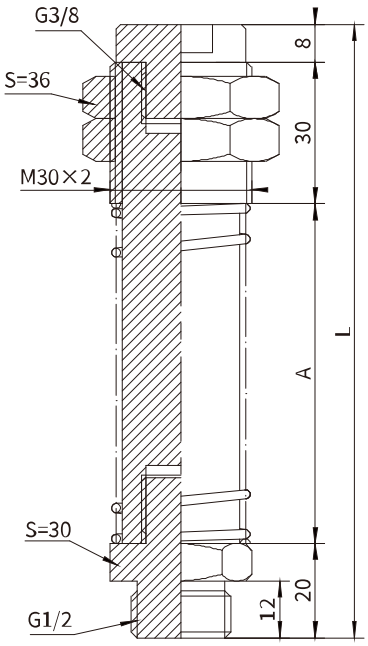
① Model	② threaded connection specifications	③ buffer stroke	④ specification method	⑤ bushing external thread	⑥ guide rod specifications
KE-external spring	12-G1/2	10-10mm stroke 20-20mm stroke 25-25mm stroke 30-30mm stroke 50-50mm stroke 75-75mm stroke	blank-external thread	A20-M20X1.5 A30-M30X2	blank-standard S-solid

■ Dimensions



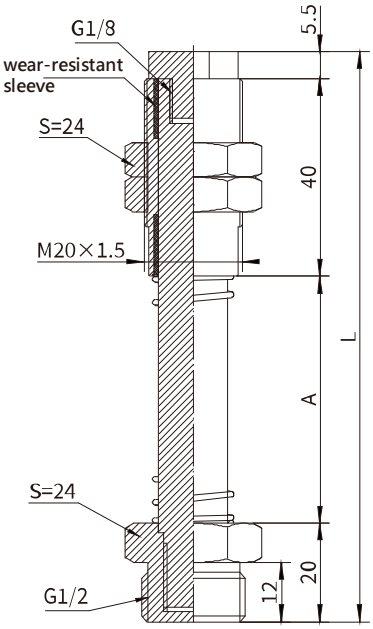
KE12 10–A20
①

① buffer stroke	A	L
10	20.5	100.5
20	35.5	115.5
30	50.5	130.5
50	70.5	150.5



S KE12 50–A30
① ②

①S	② buffer stroke	A	L
solid guide rod	25	52	110
solid guide rod	50	72	130
solid guide rod	75	92	150



S KE12 25–A20
① ②

①S	② buffer stroke	A	L
solid guide rod	25	50	115.5
solid guide rod	50	70	135.5
solid guide rod	75	94	159.5

KI12 spring plunger

■ Features

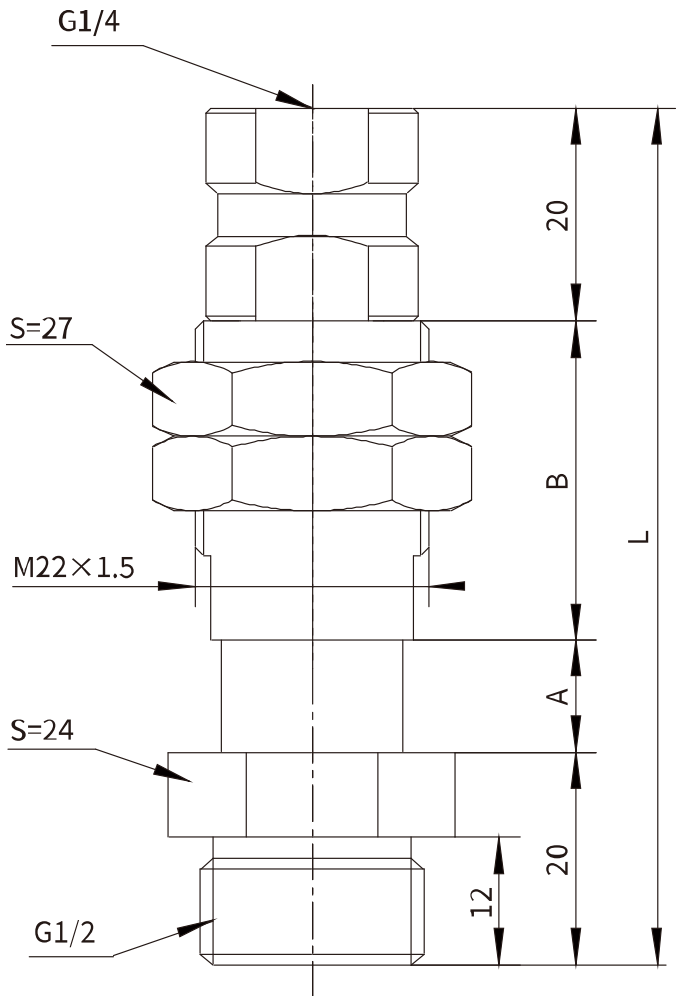
- Built-in cushioning spring for automatic height adjustment when conveying objects with varying heights.
- Various thread connections and different stroke specifications, suitable for standard-sized suction cups, with a wide range of applications.
- Spring cushioning for flexible contact with delicate or easily damaged workpieces. Wear-resistant guide rods for an extended lifespan.

■ Order Code

KI ① 12 ② 10 ③ – □ ④ – A22 ⑤

① Model	②threaded connection specifications	③buffer stroke	④specification method	⑤bushing external thread
KI-built-in spring	12-G1/2	10-10mm stroke 20-20mm stroke 30-30mm stroke 50-50mm stroke	blank-external thread	A22-M22X1.5

■ Dimensions



KI12 10–A22
①

① buffer stroke	A	B	L
10	10.5	30	80.5
20	20.5	35	95.5
30	30.5	50	120.5
50	50.5	70	160.5

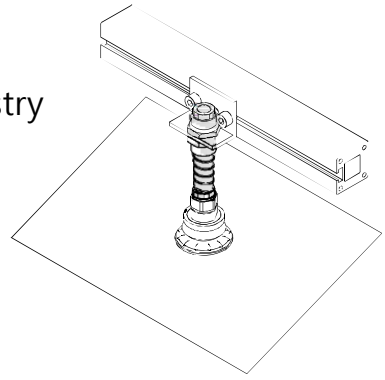
MTE spring plunger

Introduction

- Guide sleeve lined with non-oiled well-wearing Guide sleeve
- Externally-loaded buffer spring
- Anti-rotating models available
- A plurality of stoke specifications available
- Less product wear, longer product service life, less noise
- Suitable for the operating condition with uneven surface and height difference compensation needed
- Suitable for various operating conditions

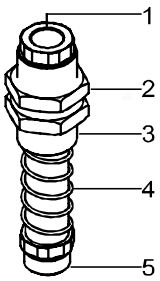
Application

- Applicable to handling workpieces with surface height difference
- Suitable for the operating condition in which vibration needs to be reduced when the handled object is contacted
- Suitable for short-cycle quick handling
- Anti-rotating buffer plunger
- Especially suitable for handling in the automotive industry



Structure

(1) Generator connecting end
(2) Mounting and fastening nut
(3) Guide sleeve
(4) Spring
(5) Suction cup connecting end



■ purchase guide

MTE G1/8-AG - 15 - M16 - VG

① ② ③ ④ ⑤

① Product series	② Connecting thread of buffer plunger	③ Buffering stoke	④ Guide sleeve thread	⑤ Additional function
MTE	G1/8-AG - G1/8 male thread G1/4-AG - G1/4 male thread G3/8-AG - G3/8 male thread G1/2-AG - G1/2 male thread G1/8- IG - G1/8 female thread G1/4- IG - G1/4 female thread G3/8- IG - G3/8 female thread G1/2- IG - G1/2 female thread Note: AG male thread; IG female thread	15mm 25mm 30mm 50mm 75mm 90mm	M16 M20 M22 M30	Null – Not anti-rotating VG - Anti-rotating

■ Model specifications

Model specification	G1/8-AG	G1/8-IG	G1/4-AG	G1/4-IG	G3/8-AG	G3/8-IG	G1/2-AG	G1/2-IG
MTE □-15-M16(-VG)	●	●	-	-	-	-	-	-
MTE □-25-M16(-VG)	●	●	-	-	-	-	-	-
MTE □-50-M16(-VG)	●	●	-	-	-	-	-	-
MTE □-25-M20(-VG)	-	-	●	●	-	-	-	-
MTE □-50-M20(-VG)	-	-	●	●	-	-	-	-
MTE □-75-M20(-VG)	-	-	●	●	-	-	-	-
MTE □-30-M22(-VG)	-	-	-	-	●	●	-	-
MTE □-50-M22(-VG)	-	-	-	-	●	●	-	-
MTE □-25-M30(-VG)	-	-	-	-	-	-	●	●
MTE □-75-M30(-VG)	-	-	-	-	-	-	●	●
MTE □-90-M30(-VG)	-	-	-	-	-	-	●	●

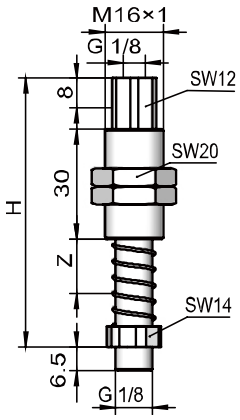
Note: AG male thread; IG female thread; VG (anti-rotating)

■ Technical parameters

Model	Spring rate N/mm	Spring prestressing N	Elastic force N	Vertical load N	Horizontal load N	Weight g
MTE G1/8-□-15-M16(-VG)	0.221	3.53	5.19	3700	385	80
MTE G1/8-□-25-M16(-VG)	0.143	3.57	5.36	3700	283	90
MTE G1/8-□-50-M16(-VG)	0.097	2.92	5.34	3700	173	110
MTE G1/4-□-25-M20(-VG)	0.711	6.47	15.36	2400	747	145
MTE G1/4-□-50-M20(-VG)	0.452	1.40	12.70	2400	466	175
MTE G1/4-□-75-M20(-VG)	0.262	5.38	15.20	2400	340	190
MTE G3/8-□-30-M22(-VG)	0.985	7.72	28.8	2800	360	174
MTE G3/8-□-50-M22(-VG)	0.738	5.77	31.6	2800	360	194
MTE G1/2-□-25-M30(-VG)	3.829	25.64	73.50	4900	1870	400
MTE G1/2-□-75-M30(-VG)	1.072	37.20	77.40	4900	800	530
MTE G1/2-□-90-M30(-VG)	1.072	24.38	75.30	4900	730	544

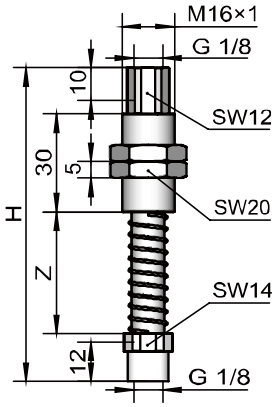
Design parameters

MTE G1/8-AG- □ M16(-VG)



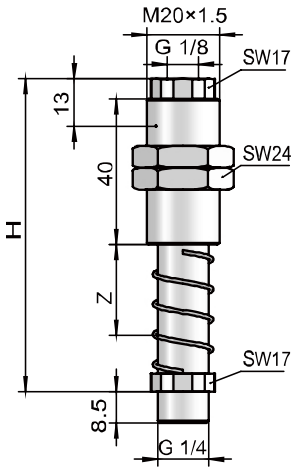
Model	Size (mm)	
	H	Z
MTE G1/8-AG-15-M16(-VG)	73.5	15
MTE G1/8-AG-25-M16(-VG)	86.5	25
MTE G1/8-AG-50-M16(-VG)	117.5	50

MTE G1/8-IG- □ -M16(-VG)



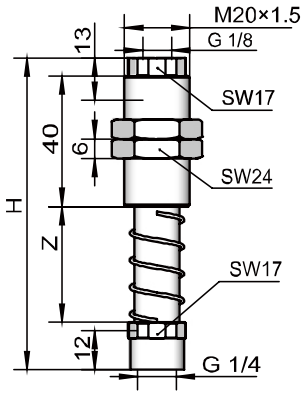
Model	Size (mm)	
	H	Z
MTE G1/8-IG-15-M16(-VG)	82.5	15
MTE G1/8-IG-25-M16(-VG)	95.5	25
MTE G1/8-IG-50-M16(-VG)	126.5	50

MTE G1/4-AG- □ M20(-VG)



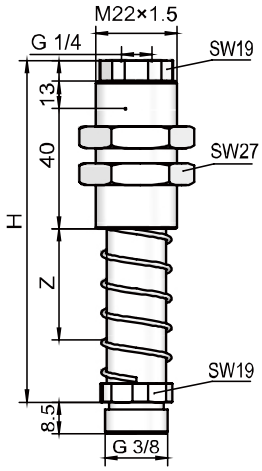
Model	Size (mm)	
	H	Z
MTE G1/4-AG-25-M20(-VG)	86	25
MTE G1/4-AG-50-M20(-VG)	115.5	50
MTE G1/4-AG-75-M20(-VG)	145	75

MTE G1/4-IG-□-M20(-VG)



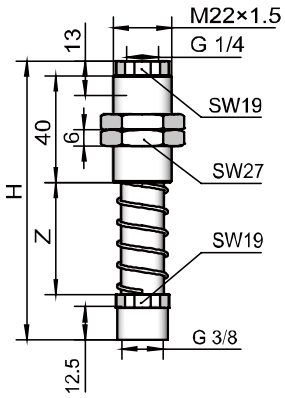
Model	Size (mm)	
	H	Z
MTE G1/4-IG-25-M20(-VG)	95	25
MTE G1/4-IG-50-M20(-VG)	124.5	50
MTE G1/4-IG-75-M20(-VG)	154	75

MTE G3/8-AG-□M22(-VG)



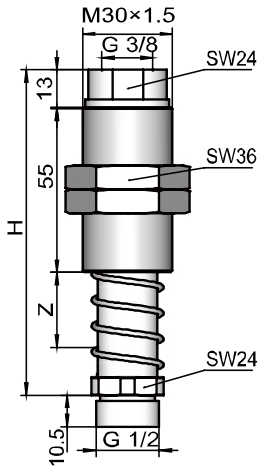
Model	Size (mm)	
	H	Z
MTE G3/8-AG-30-M22(-VG)	92.5	30
MTE G3/8-AG-50-M22(-VG)	112.5	50

MTE G3/8-IG-□-M22(-VG)



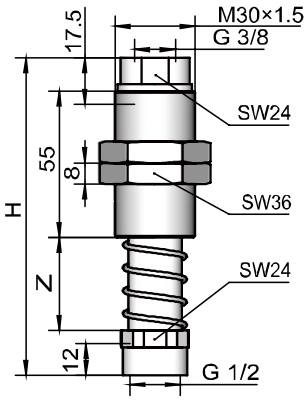
Model	Size (mm)	
	H	Z
MTE G3/8-IG-30-M22(-VG)	104.5	30
MTE G3/8-IG-50-M22(-VG)	124.5	50

MTE G1/2-AG- □ M30(-VG)



Model	Size (mm)	
	H	Z
MTE G1/2-AG-25-M30(-VG)	105.5	25
MTE G1/2-AG-75-M30(-VG)	176.5	75
MTE G1/2-AG-90-M30(-VG)	188.5	90

MTE G1/2-IG- □ -M30(-VG)



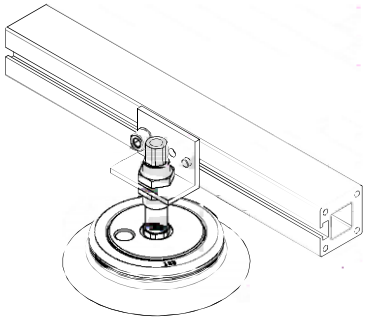
Model	Size (mm)	
	H	Z
MTE G1/2-IG-25-M30(-VG)	119.5	25
MTE G1/2-IG-75-M30(-VG)	190.5	75
MTE G1/2-IG-90-M30(-VG)	202.5	90

MTI spring plunger

Introduction

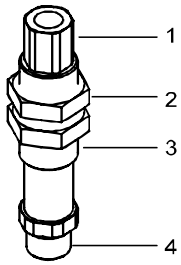
- Internally-loaded buffer spring
- Economical and practical, maintenance-free
- Gentle contact with vulnerable workpieces; the spring protection structure can prevent dust entry and avoid damage caused by external force

Application



- Handles workpieces with surface height difference (such as metal sheets with curved surfaces)
- Handles workpieces sensitive to pressure (such as glass) and ensures gentle contact
- Especially suitable for handling in the automotive industry

Structure



(1) Generator connecting end
(2) Mounting and fastening nut
(3) Guide sleeve
(4) Suction cup connecting end

purchase guide

MTI G1/8-AG 20 M16

① ② ③ ④

① Product series	② Connecting thread of buffer plunger	③ Buffering stoke	④ Guide sleeve thread
MTI	G1/8-AG - G1/8 male thread G1/4-AG - G1/4 male thread G3/8-AG - G3/8 male thread Note: AG male thread	20mm 30mm 50mm	M16 - M16× 1 M18 - M18× 1

Model specifications

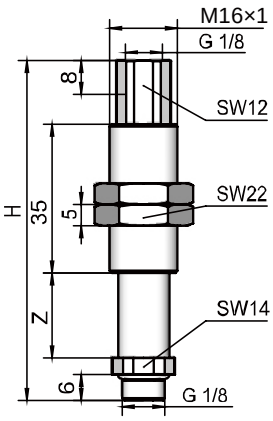
Model specification	G1/8-AG	G1/4-AG	G3/8-AG
MTI G1/8-AG-20-M16	●	-	-
MTI G1/8-AG-30-M16	●	-	-
MTI G1/8-AG-50-M16	●	-	-
MTI G1/4-AG-20-M18	-	●	-
MTI G1/4-AG-30-M18	-	●	-
MTI G1/4-AG-50-M18	-	●	-
MTI G3/8-AG-20-M18	-	-	●
MTI G3/8-AG-30-M18	-	-	●
MTI G3/8-AG-50-M18	-	-	●

Technical parameters

Model	Spring rate N/mm	Spring prestressing N	Elastic force N	Vertical load N	Horizontal load N	Weight g
MTI G1/8-AG-20-M16	0.11	2.2	4.5	1000	700	60
MTI G1/8-AG-30-M16	0.11	2.3	3.8	1000	700	70
MTI G1/8-AG-50-M16	0.11	2.1	3.6	1000	700	90
MTI G1/4-AG-20-M18	0.26	5.2	6.8	1000	700	120
MTI G1/4-AG-30-M18	0.26	4.3	5.5	1000	700	135
MTI G1/4-AG-50-M18	0.26	3.1	4.3	1000	700	170
MTI G3/8-AG-20-M18	0.26	5.2	6.8	1000	700	130
MTI G3/8-AG-30-M18	0.26	4.3	5.5	1000	700	145
MTI G3/8-AG-50-M18	0.26	3.1	4.3	1000	700	180

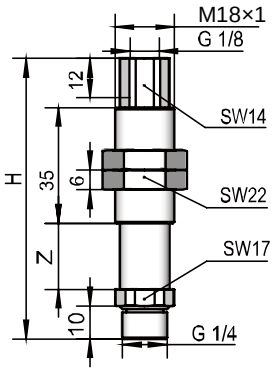
■ Design parameters

MTI G1/8-AG-□-M16



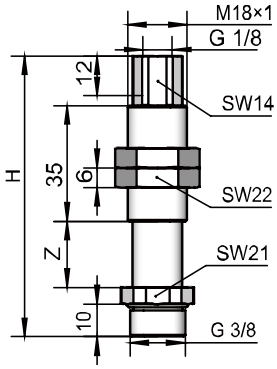
Model	Size (mm)	
	H	Z
MTI G1/8-AG-20-M16	80	20
MTI G1/8-AG-30-M16	100	30
MTI G1/8-AG-50-M16	140	50

MTI G1/4-AG-□-M18



Model	Size (mm)	
	H	Z
MTI G1/4-AG-20-M18	85	20
MTI G1/4-AG-30-M18	105	30
MTI G1/4-AG-50-M18	145	50

MTI G3/8-AG-□-M18



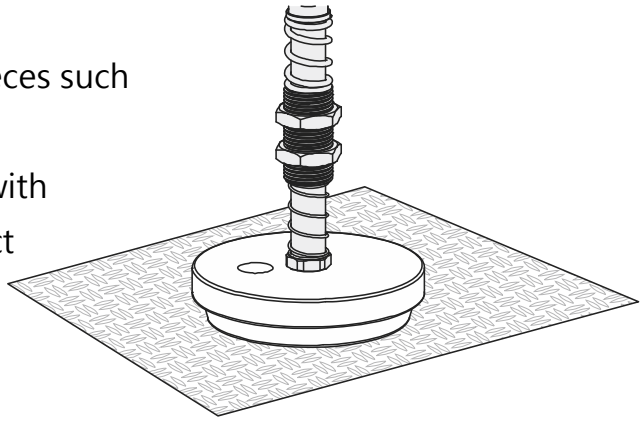
Model	Size (mm)	
	H	Z
MTI G3/8-AG-20-M18	85	20
MTI G3/8-AG-30-M18	105	30
MTI G3/8-AG-50-M18	145	50

MTA spring plunger

Introduction

- Shaft sleeve lined with non-oiled well-wearing Guide sleeve
- Equipped with upper and lower buffer springs
- Anti-rotating models available
- A plurality of stoke specifications available
- Less product wear, longer product service life, less noise
- Shock and vibration absorbed gentle contact with vulnerable workpieces, suitable for operating condition with height compensation needed
- Suitable for various operating conditions

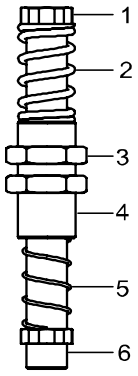
Application



- Applicable to handling heavy workpieces such as steel plates
- Suitable for the operating condition with vibration reduction and gentle contact needed during handling, e.g. glass
- Applicable to harsh environments
- Anti-rotating buffer plunger
- Double buffer springs to prevent shock on the plunger end when the workpiece is turned over

Structure

(1) Generator connecting end
(2) Spring
(3) Mounting and fastening nut
(4) Guide sleeve
(5) Spring
(6) Suction cup connecting end



purchase guide

MTA G1/4-AG - 25 - M20 - VG

① ② ③ ④ ⑤

① Product series	②Connecting thread of buffer plunger	③ Buffering stoke	④ Guide sleeve thread	⑤ Bushing thread
MTA	G1/4-AG - G1/4 male thread G1/2-AG - G1/2 male thread Note: AG male thread	25mm 50mm 90mm	M20 M30	Null – Not anti-rotating VG - Anti-rotating

Model specifications

Model specification	G1/4-AG	G1/2-AG
MTA □-25-M20(-VG)	●	-
MTA □-50-M20(-VG)	●	-
MTA □-25-M30(-VG)	-	●
MTA □-50-M30(-VG)	-	●
MTA □-90-M30(-VG)	-	●

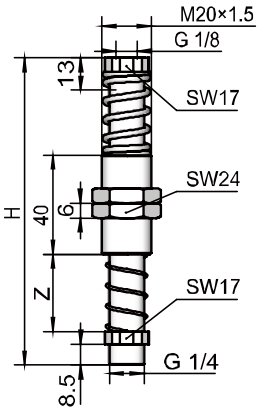
Note: VG anti-rotating

Technical parameters

Model	Spring rate N/mm	Spring prestressing N	Elastic force N	Vertical load N	Horizontal load N	Weight g
MTA G1/4-AG-25-M20(-VG)	0.711	8.95	17.8	2400	800	185
MTA G1/4-AG-50-M20(-VG)	0.262	14.10	20.6	2400	490	210
MTA G1/2-AG-25-M30(-VG)	3.828	25.65	73.5	4900	1870	493
MTA G1/2-AG-50-M30(-VG)	1.810	3.95	49.2	4900	1200	539
MTA G1/2-AG-90-M30(-VG)	1.072	24.38	75.3	4900	730	645

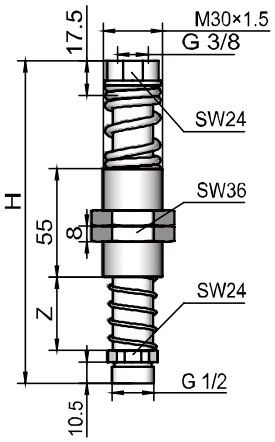
Design parameters

MTA G1/4-AG □ -M20(-VG)



Model	Size (mm)	
	H	Z
MTA G1/4-AG-25-M20(-VG)	123	25
MTA G1/4-AG-50-M20(-VG)	152.5	50

MTA G1/2-AG □ -M30(-VG)



Model	Size (mm)	
	H	Z
MTA G1/2-AG-25-M30(-VG)	157	25
MTA G1/2-AG-50-M30(-VG)	187	50
MTA G1/2-AG-90-M30(-VG)	240	90