


Vacuum Pad

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 **Caution:** To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our "Best Pneumatics" general catalog before use.

Multibellows Vacuum Pad

INO-3769-891-□/INO-3769-892-□-□/INO-3769-893-□-□

- Suitable for absorbing the work with wavy surface
- Wider attitude angle due to the multistage bellows
- Lower profile than metal spring buffer

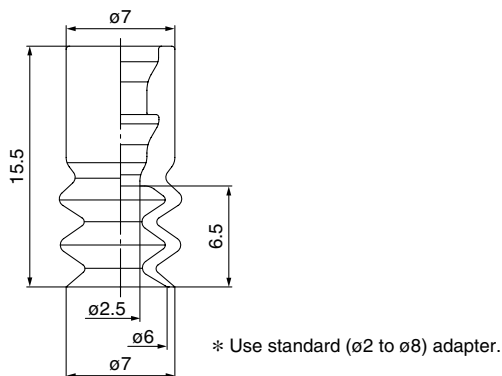
How to Order

INO-3769-891-N

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



How to Order

INO-3769-892-N-□

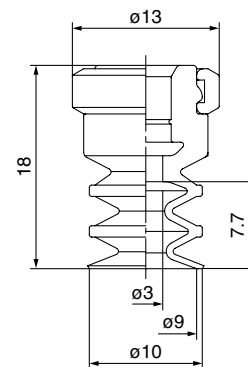
Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Specifications

Nil	Pad with lock ring
G	Pad only

Dimensions



How to Order

INO-3769-893-N-□

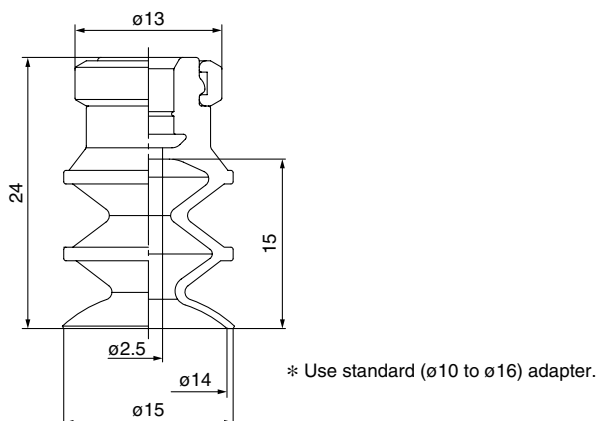
Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Specifications

Nil	Pad with lock ring
G	Pad only

Dimensions



Vacuum Pad for Transporting Disks

INO-3769-2000-□

Vacuum pad for transporting disks of digital household electric appliances (CD, DVD)

- To transport circular components like CD and DVD
- Bellows mechanism is realized in the pad to dampen the impact to the work.
- Blasted (Vacuum surface has microscopic ups and downs.)

How to Order

INO-3769-2000-N

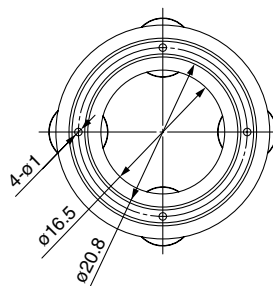
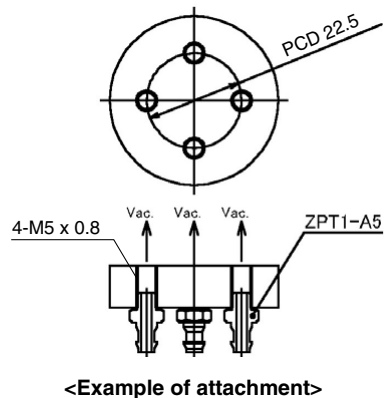
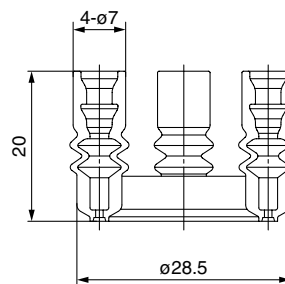
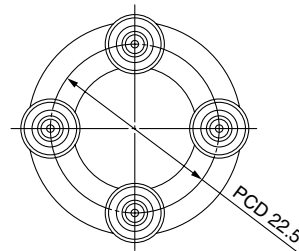
• Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimension

ZPT1-A5 is a recommended adapter.
(Four adapters are necessary.)

See below for mounting.
Refer to the general catalog for details.



Vacuum Pad for Fixing Panel

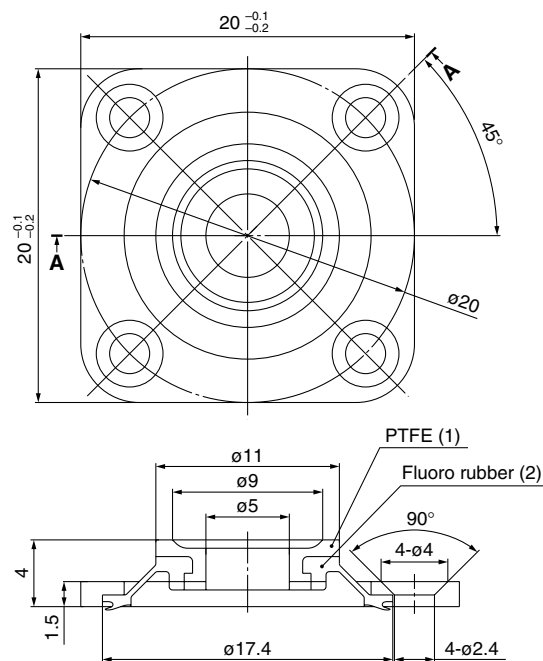
ZP-□□□□□□□□□□-DBJ00371

- Vacuum and fix the stage of LCD panels
- To solve vacuum mark problem, PTFE (fluororesin) is used for the contact surface.
- Bellows form allows complete contact with curving work surface.

How to Order

ZP – A0009X49Z9 – DBJ00371

Dimensions



AA cross section

- Part number for the pad: ZP-E013-DBJ00371
- Part number for resin part (1): ZP-E014-DBJ00371
- Part number for fluoro rubber part (2): ZP-E013-DBJ00371

Clean Vacuum Pad

INO-3769-□□□/ZP

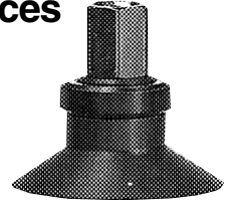
Rubber pad to reduce vacuum mark of the work

Halogenated special NBR minimizes the transition of oil to the work.

(Note: Please consult SMC for details.)

Application:

- Vacuum process or semiconductor and FPD devices
- Transportation of flat glass



Variation

Pad diameter	Part number	Pad shape
ø4	INO-3769-1138-04UCL	<Flat pad> Dimensions are the same as standard flat pad. Refer to Best Pneumatics 2004 Vol.13 catalog.
ø6	INO-3769-2191-06UCL	
ø8	INO-3769-1337-08UCL	
ø10	INO-3769-520-10UCL	
ø16	INO-3769-493-16UCL	
ø20	INO-3769-2743-20UCL	
ø25	INO-3769-521-25UCL	
ø32	INO-3769-2036-32UCL	
ø40	ZP-A0040UA9Z9-DBH00170	
ø50	INO-3769-522-50UCL	

<Cautions>

- Clean the pad before using the clean pads.
This products are not cleaned. Do not use pads out of the box without cleaning, or residual materials remain in works.
If any question occurred, please consult SMC.

Cleaning method (Reference)

- 1) Use vinyl gloves which do not generate particle, and hold the pad except vacuuming part.
- 2) Supply 2-Propanol (isopropyl alcohol) for electronic industry (Purity > 99.5%) to a cloth which does not generate particle.
- 3) Wipe lightly the part which may contact with vacuuming part and the work.
- 4) Wipe it again with a dry cloth which generate no particle.

- This product means a pad alone. Please select the adapter from Best Pneumatics 2004 Vol.13 catalog.

Vacuum Pad with Spline Buffer

INO-3769-1923-□□U□□

Ball spline guide is used to the buffer. Realized highly precise retaining function.

How to Order

INO-3769-1923-□□U□□

Pad diameter

02	ø2
04	ø4
06	ø6
08	ø8
10	ø10

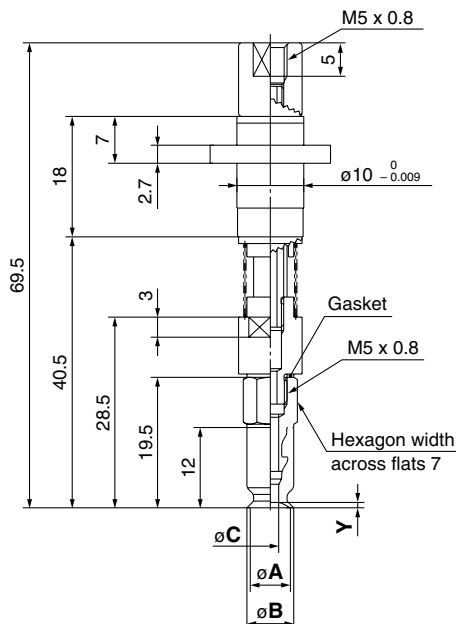
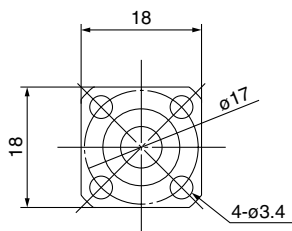
Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Pad shape

U	Flat
---	------

Dimensions



Buffer Specification

Rotation stopper	Yes	
Stroke	6 mm	
Spring force	0 stroke	0.8 N
	Stroke end	1.1 N

● Buffer part number: INO-3769-2843-BF

* Pad part number is standard ZP02 to 08U□□, ZP10UT□□.

Model number	A	B	C	Y
INO-3769-1923-02U□□	2	2.6	1.2	
INO-3769-1923-04U□□	4	4.8	1.6	0.8
INO-3769-1923-06U□□	6	7		
INO-3769-1923-08U□□	8	9	2.5	1
INO-3769-1923-10U□□	10	11		0.8

Metal Pad with Buffer

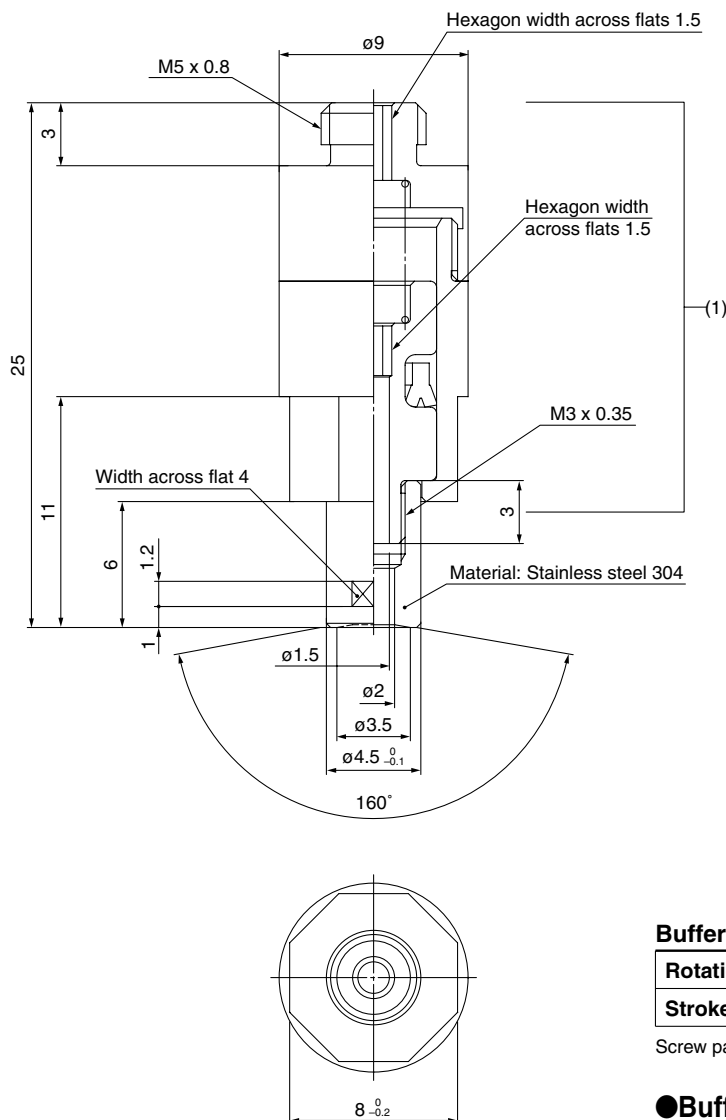
ZP-A0035XTJAC-DBJ00315

- Improve accuracy for positioning vacuum point
- Impact to the work is reduced by buffer.
- Prevent detachment failure due to static electricity, and avoid work damage

How to Order

ZP – A0035XTJAC – DBJ00315

Dimension



Buffer Specifications

Rotation stopper	None
Stroke	2 mm

Screw part is not glued, possible to be become loose.

● Buffer part number (1): ZP-CZZZZ9ZJAC-DBJ00315

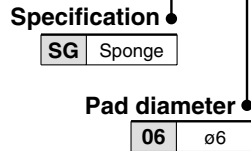
Sponge Pad

INO-3769-2450-SG06/INO-3769-2665-SG10

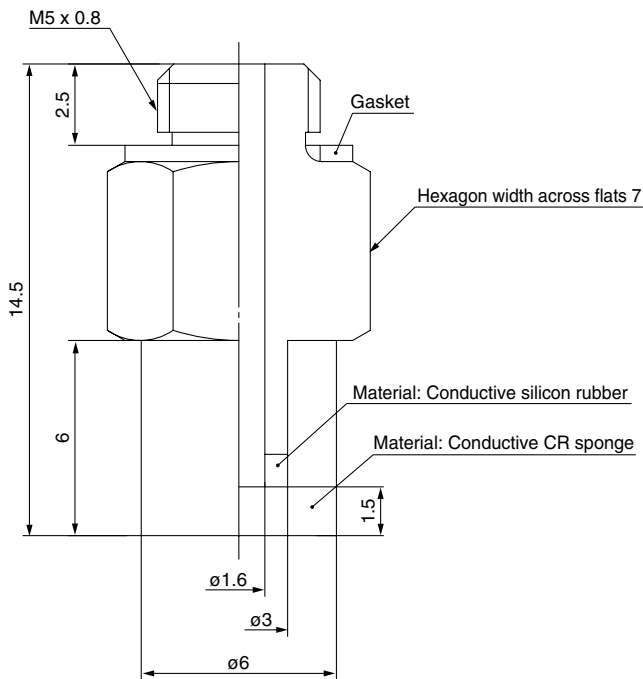
- Applicable to BGA ball surface, electric substrate, uneven work surface
- Rubber is used for the adapter end surface to reduce impact when contacting the work.

How to Order

INO-3769-2450-SG06



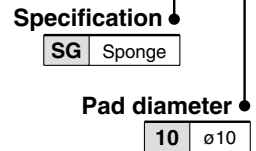
Dimensions



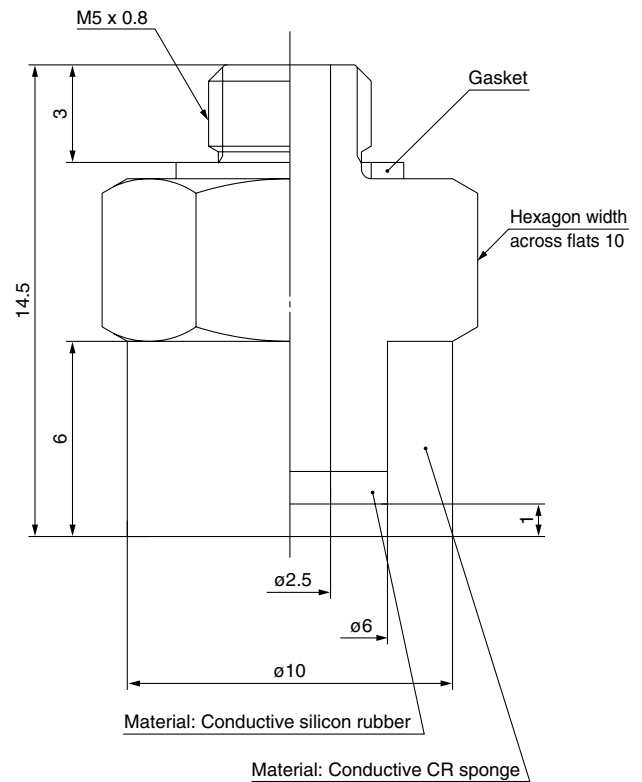
- Pad part number: INO-3769-2380-G
- Adapter part number: INO-3769-2450-A

How to Order

INO-3769-2665-SG10



Dimensions



- Pad part number: INO-3769-1839-S10-G
- Adapter part number: INO-3769-2665-AD

Nozzle Pad with Small Diameter

INO-3769-482-□/INO-3769-542-□

- Vacuum pad for transporting small component (IC chip, etc)

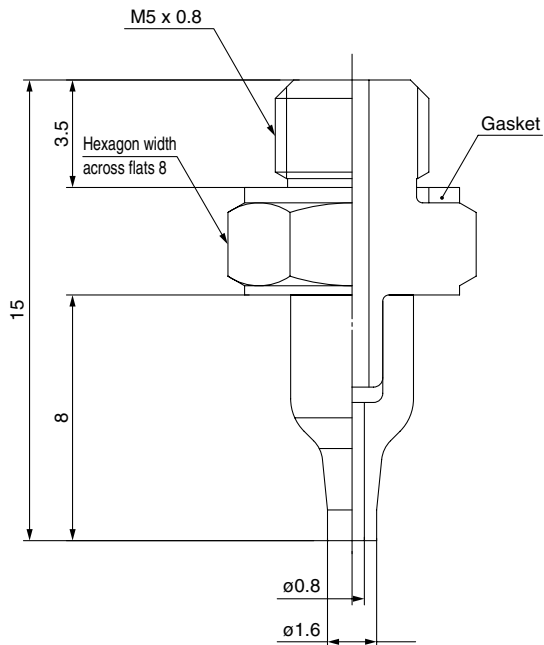
How to Order

INO-3769-542-**N**

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



●Adapter part number: INO-3769-542-A

●Pad part number: INO-3769-114-**N**

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

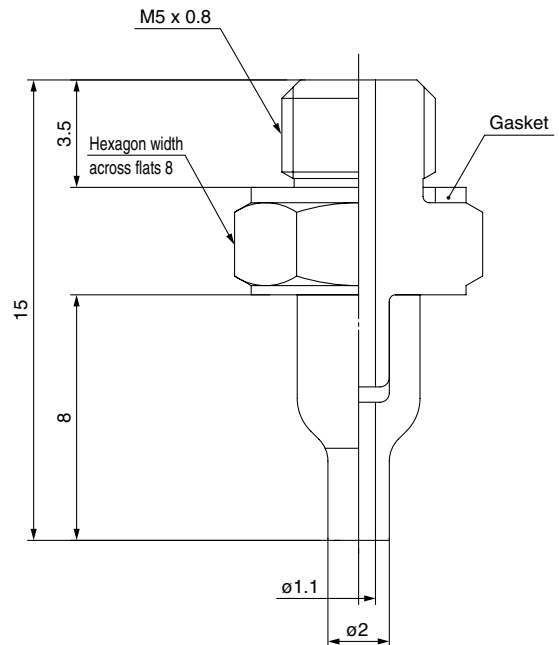
How to Order

INO-3769-482-**N**

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



●Adapter part number: INO-3769-542-A

●Pad part number: INO-3769-141-**N**

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Vacuum Pad with Valve (ø6, ø8)

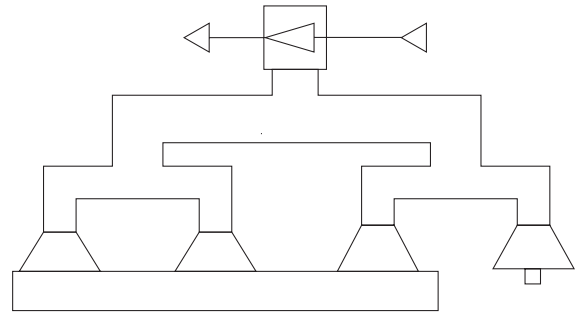
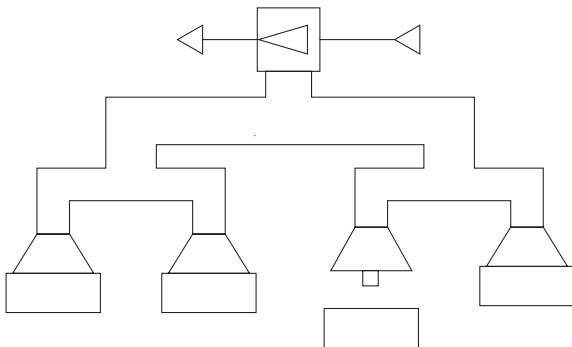
INO-3769-2431-□U□

Valve function is built in the vacuum pad.

- Valve opens only when the pad end pin contacts the work, and vacuum is generated.
- When multiple pads are used in the branch piping, and even if vacuum failure or the change of work size occur, vacuum force is not reduced.

Applications

- (1) Verifies work presence. Vacuum air only when a work is present.
- (2) When multiple pads are used in the branch piping, and even if there are pads which do not vacuum properly, vacuum force is not reduced.
- (3) Vacuuming in the line handling with different shape of works.



How to Order

INO-3769-2431-**06** **U** **N**

Pad diameter

06	ø6
08	ø8

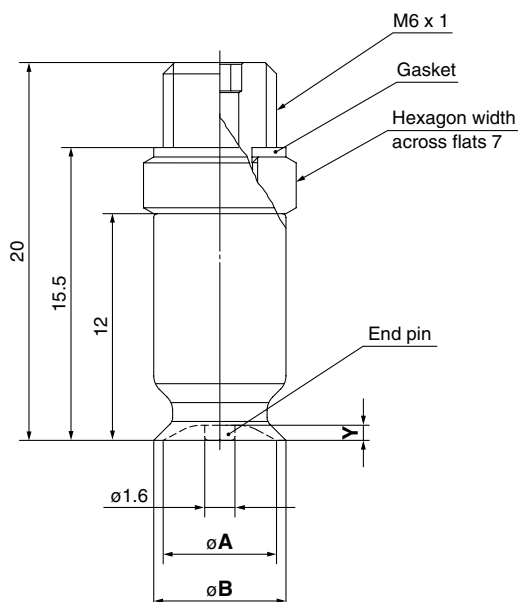
Pad shape

U	Flat
---	------

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber
GF	Conductive fluoro rubber

Dimensions



Pad material	End pin material
NBR	Fluoro rubber
Silicon rubber	
Urethane rubber	
Fluoro rubber	
Conductive NBR	Conductive fluoro rubber
Conductive silicon	
Conductive fluoro rubber	

Model number	A	B	Y
INO-3769-2431-06U□	6	7	0.8
INO-3769-2431-08U□	8	9	1

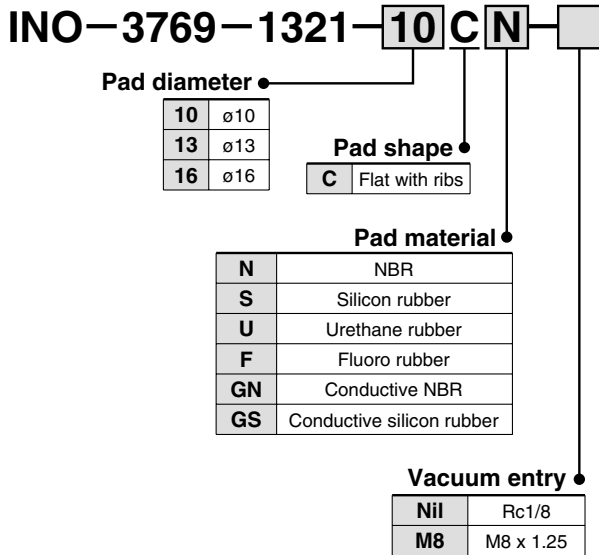
Vacuum Pad with Valve (ø10 to ø16, ø20, ø25, ø32)

INO-3769-1321-□C□-□/INO-3769-1494-□C□-□

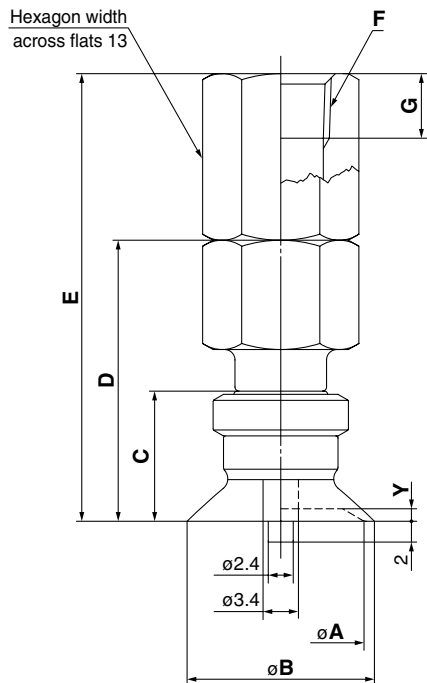
Valve function is built in the vacuum pad.

- Valve opens only when the pad end pin contacts the work, and vacuum is generated.
- When multiple pads are used in the branch piping, and even if vacuum failure or the change of work size occur, vacuum force is not reduced.

How to Order



Dimensions

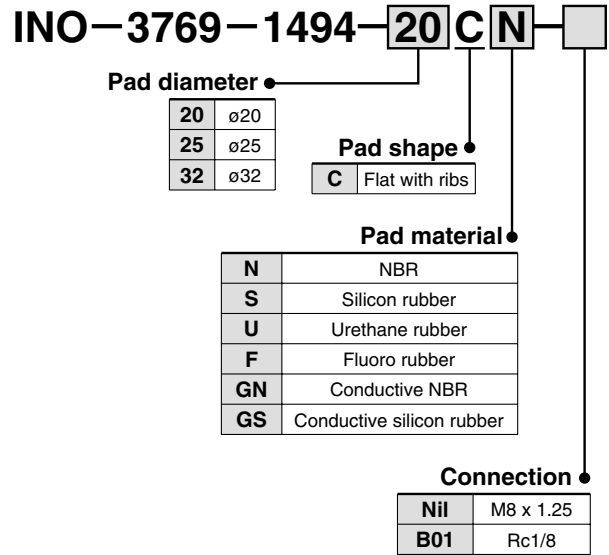


Model number	A	B	C	D	E	Y
INO-3769-1321-10C□-□	10	12	12	26.5	42.5	1.7
INO-3769-1321-13C□-□	13	15	12	26.5	42.5	1.8
INO-3769-1321-16C□-□	16	18	12.5	27	43	1.2

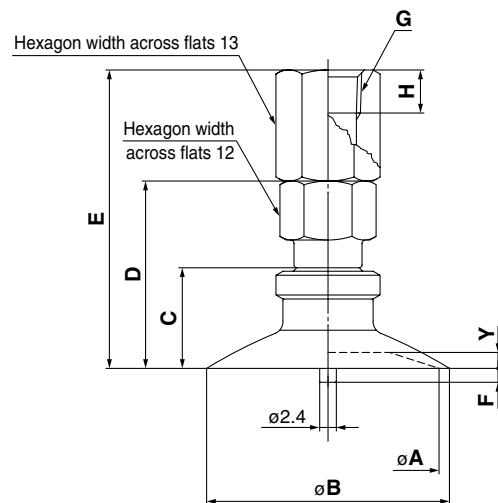
Model number	F	G
INO-3769-1321-□C□	Rc1/8	12.4
INO-3769-1321-□C□-M8	M8 x 1.25	8

* Pad is standard ZP10 to 16C□□.

How to Order



Dimensions



Model number	A	B	C	D	E	F	Y
INO-3769-1494-20C□-□	20	23	14	26.5	42.5	2.5	1.7
INO-3769-1494-25C□-□	25	28	14	26.5	42.5	2.5	1.8
INO-3769-1494-32C□-□	32	35	14.5	27	43	2	2.3

Model number	G	H
INO-3769-1494-□C□	M8 x 1.25	8
INO-3769-1494-□C□-B01	Rc1/8	12.4

● Adapter part number: INO-3769-1494-□

Connection	
B8	M8 x 1.25
B01	Rc1/8

* Pad is standard ZP20 to 32C□□.

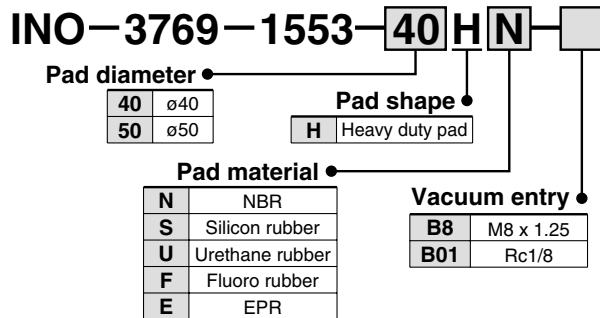
Heavy Duty Vacuum Pad with Valve (ø40 to ø125)

INO-3769-1553-□H□-□/INO-3769-1363-□□H□-B8/INO-3769-2384-□H□

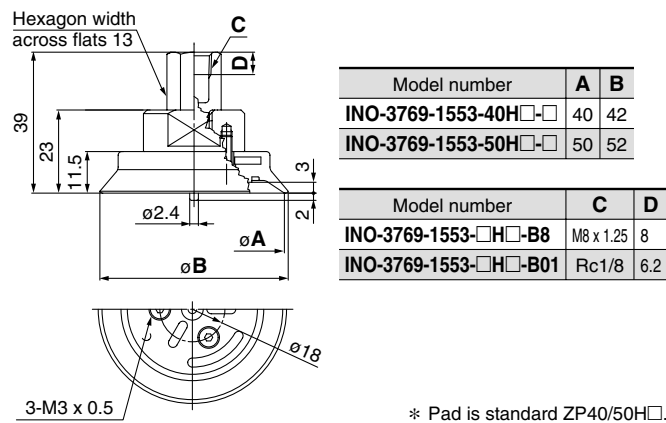
Valve function is built in the vacuum pad.

- Valve opens only when the pad end pin contacts the work, and vacuum is generated.
- When multiple pads are used in the branch piping, and even if vacuum failure or the change of work size occur, vacuum force is not reduced.

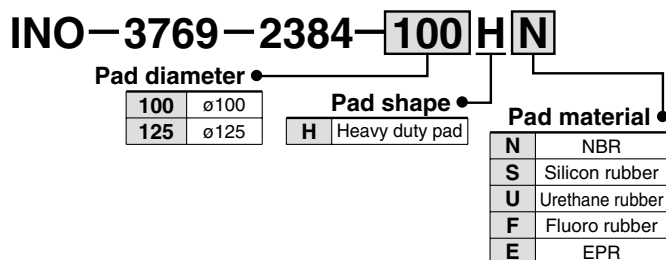
How to Order



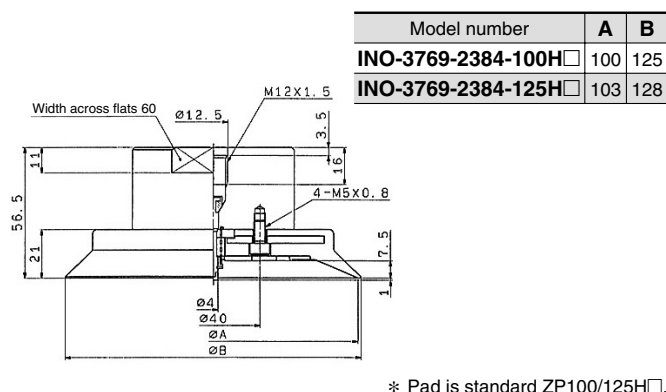
Dimensions



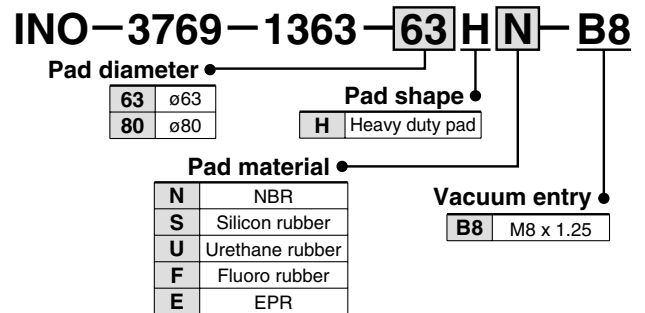
How to Order



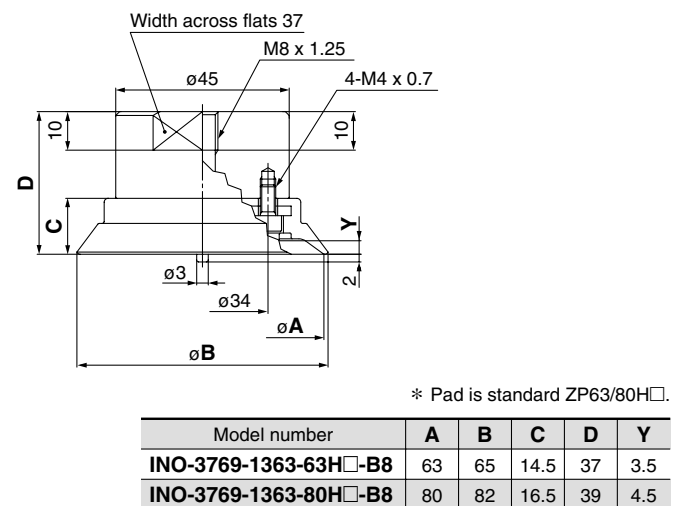
Dimensions



How to Order



Dimensions



● Check valve with adapter: INO-3769-1363-A

Large Vacuum Pad Bellows Type

INO-3769-2889-□HB□J□

- Applicable for tapered surface by pivoting part
- Applicable for curved surface by bellow shape

How to Order

INO-3769-2889-40 HB N J25

Pad diameter ●

40	ø40
50	ø50

● Buffer stroke

J25	25 stroke
J50	50 stroke
J75	75 stroke

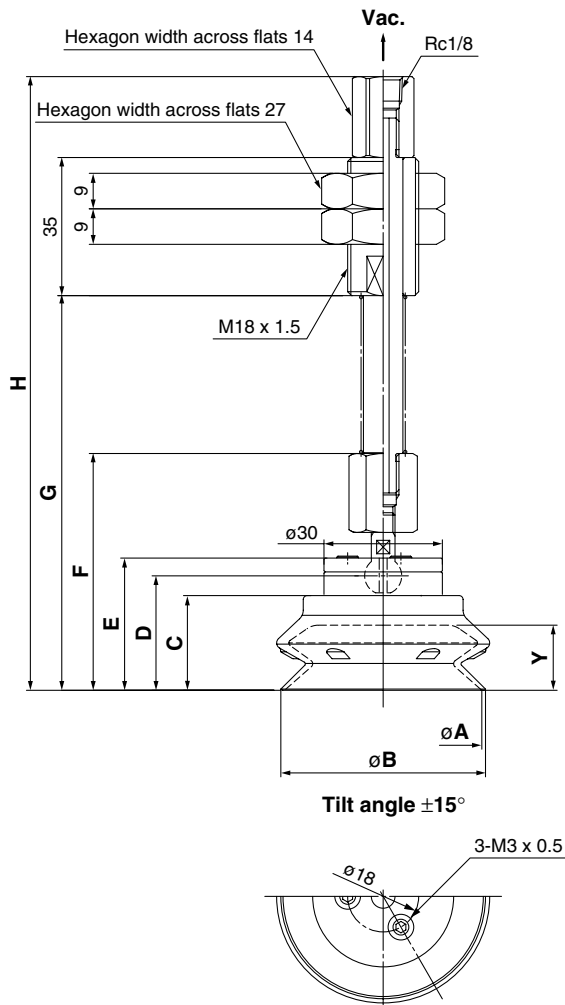
Pad shape ●

HB	Large bellows
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● Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
E	EPR

Dimensions



* Pad is standard ZP40/50HB□□.

Model number	A	B	C	D	E
INO-3769-2889-40HB□J25					
INO-3769-2889-40HB□J50	40	41.4	20.5	25.5	30
INO-3769-2889-40HB□J75					
INO-3769-2889-50HB□J25					
INO-3769-2889-50HB□J50	50	51.9	24	29	33.5
INO-3769-2889-50HB□J75					

Model number	F	G	H	Y
INO-3769-2889-40HB□J25		96.5	152	
INO-3769-2889-40HB□J50	56.5	131.5	187	13
INO-3769-2889-40HB□J75		167.5	223	
INO-3769-2889-50HB□J25		100	155.5	
INO-3769-2889-50HB□J50	60	135	190.5	16.5
INO-3769-2889-50HB□J75		171	226.5	

Oval Vacuum Pad

INO-3769-674-□W□-□/INO-3769-839-□W□-□/INO-3769-849-□W□

• Applicable for substrate and LCD panel (works which surface for vacuum is limited)

How to Order

INO-3769-674-3507W N

Pad diameter

3507	3.5 x 7
4010	4 x 10
5010	5 x 10
6010	6 x 10

Pad shape

W Oval

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Specification

Nil	Pad with adapter
G	Pad only

Dimensions

Model number	a	b	A	B	∅C
INO-3769-674-3507W□-□	3.5	7	4.5	8	2-∅1.5
INO-3769-674-4010W□-□	4	10	5	11	2.5
INO-3769-674-5010W□-□	5	10	6	11	2.5
INO-3769-674-6010W□-□	6	10	7	11	2.5

●Adapter part number:
INO-3769-674-A

How to Order

INO-3769-849-4030W N

Pad diameter

4030	4 x 30
5030	5 x 30
6030	6 x 30
8030	8 x 30

Pad shape

W Oval

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions

Model number	a	A	∅B	Y
INO-3769-849-4030W□	4	5	1.8	
INO-3769-849-5030W□	5	6	2.5	0.5
INO-3769-849-6030W□	6	7	2.5	
INO-3769-849-8030W□	8	9	2.5	0.8

How to Order

INO-3769-839-4020W N

Pad diameter

4020	4 x 20
5020	5 x 20
6020	6 x 20
8020	8 x 20

Pad shape

W Oval

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions

Model number	∅A	B	C	Y
INO-3769-839-4020W□-□	2-∅1.8	4	4.8	
INO-3769-839-5020W□-□	2-∅2	5	6	0.5
INO-3769-839-6020W□-□	∅2.5	6	7	
INO-3769-839-8020W□-□	∅3	8	9	0.8

●Adapter part number:
INO-3769-223-A

●Pad part number: INO-3769-451-4020W N-G

Pad diameter

4020	4 x 20
5020	5 x 20
6020	6 x 20
8020	8 x 20

Pad shape

W Oval

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

●Pad part number: INO-3769-468-4030 N-G

Pad diameter

4030	4 x 30
5030	5 x 30
6030	6 x 30
8030	8 x 30

Pad shape

W Oval

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

●Adapter part number: INO-3769-849-A

Compact Pad

INO-3769-1392-□/INO-3769-1393-□/INO-3769-2964-06U□

- Thin lip realized vacuuming of thin works.

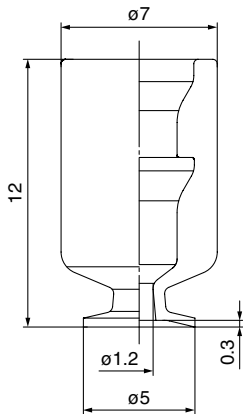
How to Order

INO-3769-1392-N

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



* Use standard (ø2 to ø8) adapter.

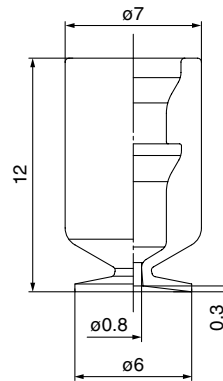
How to Order

INO-3769-1393-N

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



* Use standard (ø2 to ø8) adapter.

How to Order

INO-3769-2964-06U N

Pad diameter

06 ø6

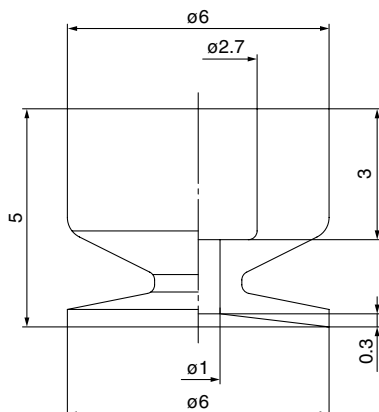
Pad shape

U Flat

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



Compact Pad

ZP-A□C□9Z□-DBI00291/ZP-A0030C□9Z□-DBG00025

- Thin lip realized vacuuming of thin works.

How to Order

ZP-A **0010** C **1** 9ZC-DBI00291

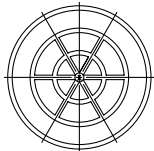
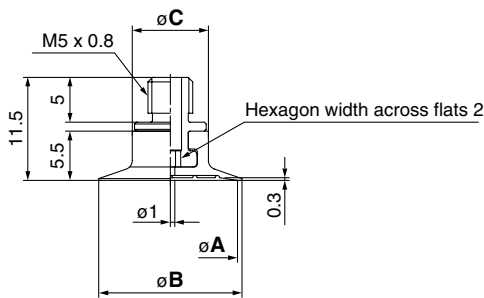
● Pad diameter ●

0010	ø10
0015	ø15
0020	ø20
0025	ø25

● Pad material ●

1	NBR
2	Silicon rubber
3	Urethane rubber
4	Fluoro rubber
5	Conductive NBR
6	Conductive silicon rubber
C	Conductive fluoro rubber
A	Clean

Dimensions



Model number	A	B	C
ZP-A0010C□9ZC-DBI	10	11	
ZP-A0015C□	15	16	8.5
ZP-A0020C□	20	21	
ZP-A0025C□	25	26	15

● Pad part number:

ZP-B **0010** C **1** 9Z9-DBI00291

● Pad diameter ●

0010	ø10
0015	ø15
0020	ø20
0025	ø25

● Pad material ●

1	NBR
2	Silicon rubber
3	Urethane rubber
4	Fluoro rubber
5	Conductive NBR
6	Conductive silicon rubber
C	Conductive fluoro rubber
A	Clean

● Adapter part number (ø10, ø15, ø20):

ZP-DZZZZ9Z9ZC-DBI00291

● Adapter part number (ø25):

ZP-DZZZZ9Z9ZC-DBG00025

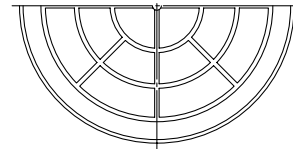
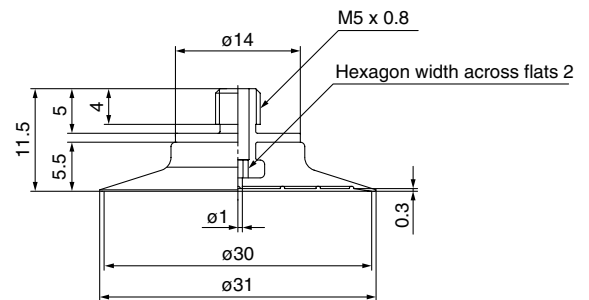
How to Order

ZP-A0030C **1** 9ZC-DBG00025

● Pad material ●

1	NBR
2	Silicon rubber
3	Urethane rubber
4	Fluoro rubber
5	Conductive NBR
6	Conductive silicon rubber
C	Conductive fluoro rubber

Dimensions



● Pad part number:

ZP-B0030C **1** 9Z9-DBG00025

● Pad material ●

1	NBR
2	Silicon rubber
3	Urethane rubber
4	Fluoro rubber
5	Conductive NBR
6	Conductive silicon rubber
C	Conductive fluoro rubber

● Adapter part number:

ZP-DZZZZ9Z9ZC-DBG00025

Vacuum Pad (Downsized Type)

INO-3769-1045-□U□

- Low profile vacuum pad adapter
- Hexagon hole for the wrench enables easy replacement of the pad.

How to Order

INO-3769-1045-02UN

Pad diameter ●

02	ø2
03	ø3
04	ø4
06	ø6
08	ø8

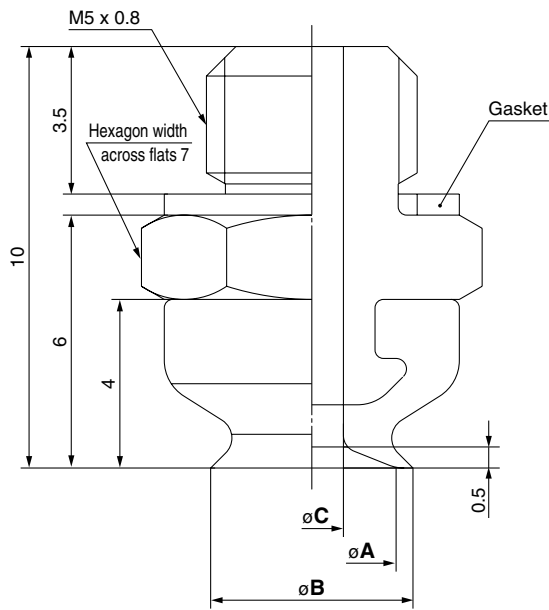
Pad material ●

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Pad shape ●

U	Flat
---	------

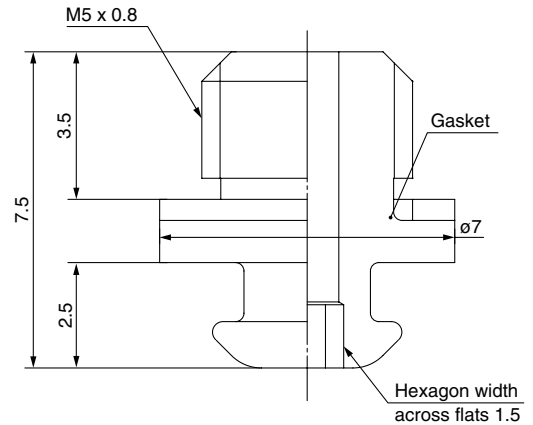
Dimensions



Model number	A	B	C
INO-3769-1045-02U□	2	2.6	1.2
INO-3769-1045-03U□	3	3.5	1
INO-3769-1045-04U□	4	4.8	
INO-3769-1045-06U□	6	7	1.5
INO-3769-1045-08U□	8	9	

●Adapter part number: INO-3769-1045-A

●Adapter part number: INO3769-3082-A



Note 1) If this adapter is used, please order the pad below.
Note 2) Adapter is mounted using hexagon hole.

●Pad part number: INO-3769-6-U02N-G

Pad diameter ●

02	ø2
03	ø3
04	ø4
06	ø6
08	ø8

Pad material ●

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
E	EPR
GN	Conductive NBR
GS	Conductive silicon rubber

Vacuum Pad (Blast Type)

INO-3769-2462-04U□/INO-3769-2217-06C□/INO-3769-2304-08C□-□

- Blasted pad vacuum surface improved detaching performance of the work.

How to Order

INO-3769-2462-04U□N

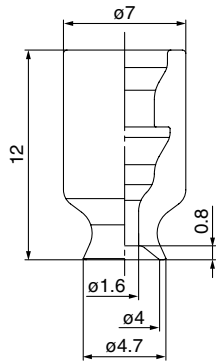
Pad diameter: **04** (ø04)

Pad shape: **U** (Flat)

Pad material:

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



* Use standard (ø2 to ø8) adapter.

Blast type

How to Order

INO-3769-2217-06C□N

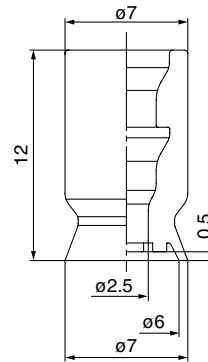
Pad diameter: **06** (ø6)

Pad shape: **C** (Flat with rib)

Pad material:

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

Dimensions



* Use standard (ø2 to ø8) adapter.

Blast type

How to Order

INO-3769-2304-08C□N□

Pad diameter: **08** (ø08)

Pad shape: **C** (Flat with rib)

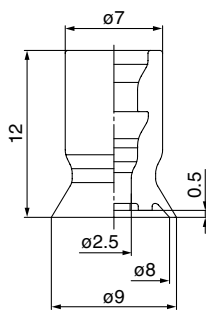
Pad material:

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
GN	Conductive NBR
GS	Conductive silicon rubber

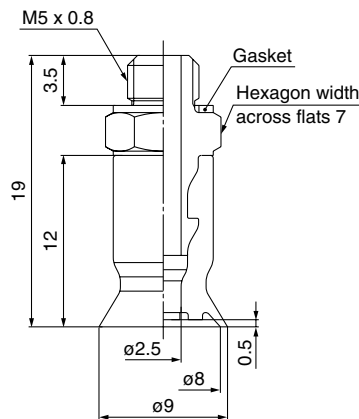
Specification:

Nil	Pad only
A5	M5 male thread
B5	M5 female thread

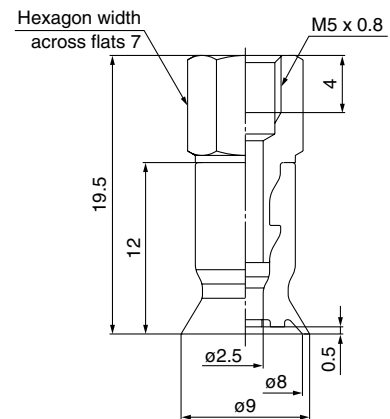
Dimensions



Blast type



Blast type



Blast type

* Use standard (ø2 to ø8) adapter.

Large Pad

INO-3769-13-C150-□/INO-3769-14-C200-□

INO-3769-1459-C250□/INO-3769-15-C250-□

• Large pad for $\phi 150$ to $\phi 340$

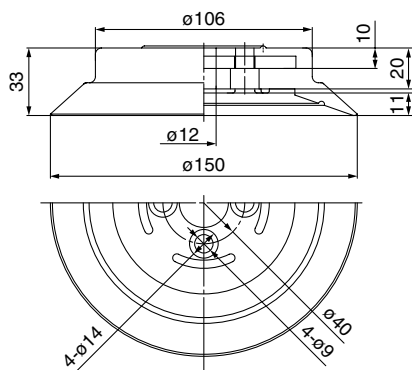
How to Order

INO-3769-13-C150-N

Pad shape **C** Flat with rib Pad diameter **150** $\phi 150$ Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
C	CR
E	EPR

Dimensions



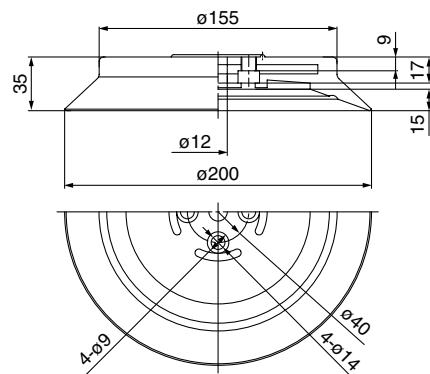
How to Order

INO-3769-14-C200-N

Pad shape **C** Flat with rib Pad diameter **200** $\phi 200$ Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
C	CR
E	EPR

Dimensions



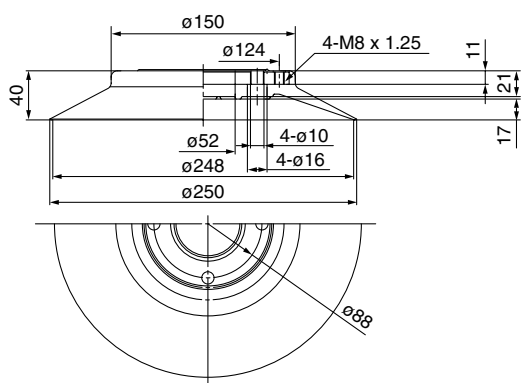
How to Order

INO-3769-1459-C250-N

Pad shape **C** Flat with rib Pad diameter **250** $\phi 250$ Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
C	CR
E	EPR

Dimensions



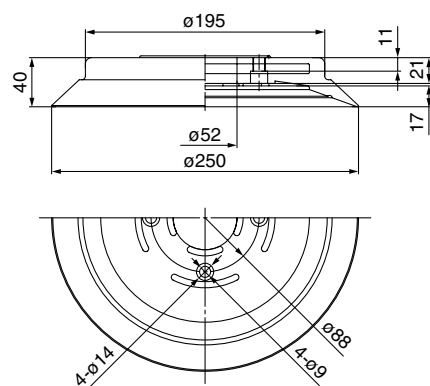
How to Order

INO-3769-15-C250-N

Pad shape **C** Flat with rib Pad diameter **250** $\phi 250$ Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
C	CR
E	EPR

Dimensions

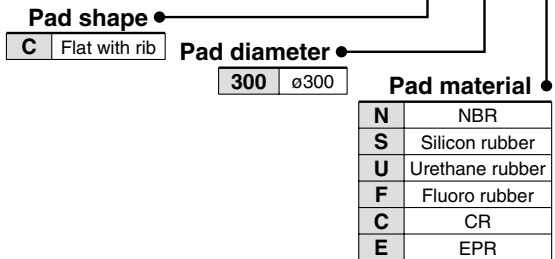


Large Pad

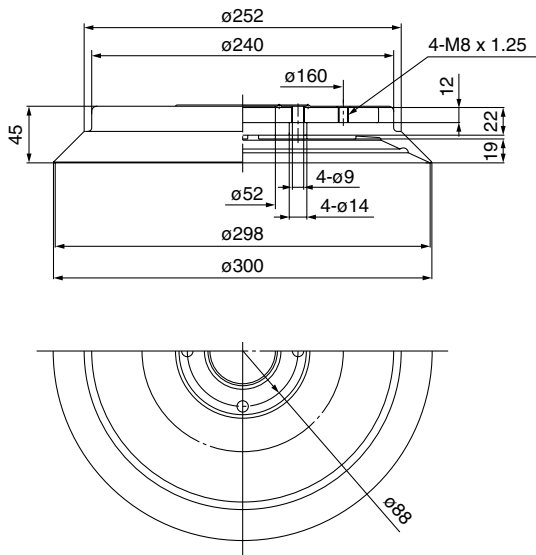
INO-3769-1460-C300□/INO-3769-100-C340-□

How to Order

INO-3769-1460-C300N

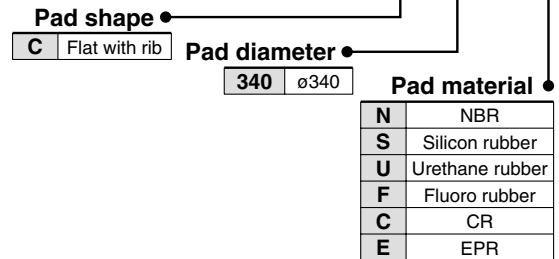


Dimensions

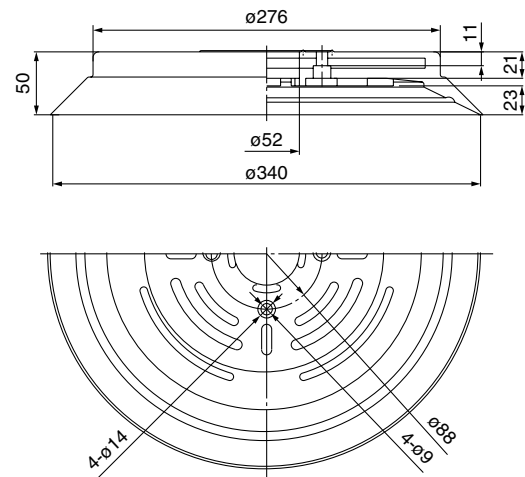


How to Order

INO-3769-100-C340N



Dimensions



Clean Attachment for Vacuum Pad

ZP-E10□-DBH00142/ZP-E20□-DBH00142

Leave no oil on the work.

PEEK attachment on the bellows rubber pad prevents the work from contacting the rubber material, and stops transition of the oil oozing out of the rubber material.

(Note: Please consult SMC for details.)



Application: Vacuum process of semiconductor and FPD devices

Variations

Size	ø6, ø8, ø10, ø13, ø16, ø20, ø25, ø32
Material	PEEK, Conductive PEEK (volume resistivity: 10 ⁵ to 10 ⁶ Ω·cm)
Applicable pad	Bellows vacuum pad

Attachment Type

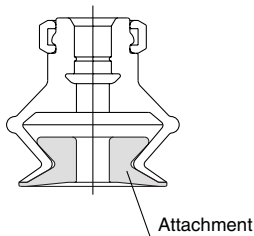


Standard pad diameter	PEEK	Conductive PEEK
ø6	ZP-E101-DBH00142	ZP-E201-DBH00142
ø8	ZP-E102-DBH00142	ZP-E202-DBH00142
ø10	ZP-E103-DBH00142	ZP-E203-DBH00142
ø13	ZP-E104-DBH00142	ZP-E204-DBH00142
ø16	ZP-E105-DBH00142	ZP-E205-DBH00142
ø20	ZP-E106-DBH00142	ZP-E206-DBH00142
ø25	ZP-E107-DBH00142	ZP-E207-DBH00142
ø32	ZP-E108-DBH00142	ZP-E208-DBH00142

Note) Part number in above table shows the number for the attachment only. If pad is ordered together, please refer followings.

How to Order (the attachment and pad together)

- As shown below, add * for the attachment part number beneath the vacuum pad number. But please note that they are not assembled.
- This attachment can be mounted to SMC standard bellows pad only.
- For conductive PEEK attachment, use the pad made of conductive material.

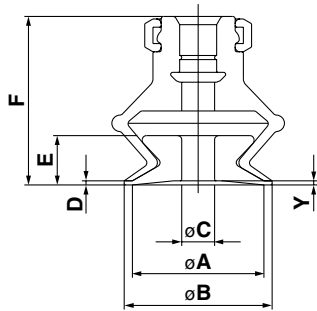


Ex. ZPT06BNJ10-B5-A8	←	Vacuum pad part number
* ZP-E101-DBH00142	←	Attachment part number

Clean Attachment for Vacuum Pad

ZP-E10□-DBH00142/ZP-E20□-DBH00142

Dimensions



Model number	A	B	C	D	E	F	Y
ZP06B	6	7	1.6		3	13.5	
ZP08B	8	9	3				
ZP10B	10	12	3.5	0.5	3.5	16.5	0.5
ZP13B	13	15	4		5.5	19	
ZP16B	16	18			6	20.5	
ZP20B	20	22	8		8.5	24.5	
ZP25B	25	27	10	1		25	1
ZP32B	32	34			11.5	30	

(mm)

<Caution>

- Clean the attachment before usage.
- This product is not cleaned after machining. Do not use the attachment out of the package, or residual subject on the attachment is transferred to the work.
- Please consult SMC if any question occur.

Cleaning method (Reference)

- 1) Use vinyl gloves which do not generate particle, and hold the pad except vacuuming part.
- 2) Supply 2-Propanol (isopropyl alcohol) for electronic industry (Purity > 99.5%) to a cloth which does not generate particle.
- 3) Wipe lightly the attachment vacuum surface and the part which may contact with the work.
- 4) Wipe it again with a dry cloth which generate no particle.

- If the contact with hard material become a problem, do not use the attachment.
- PEEK materials and machined products fall into Export Trade Control Ordinance item.

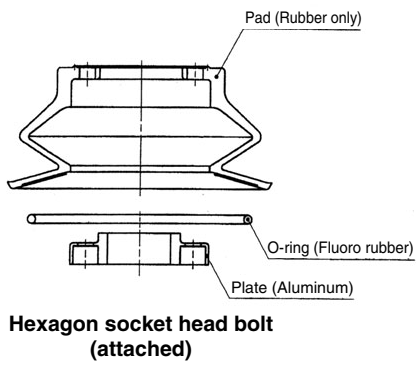
Slide Stopper Pad

INO-3769-2582-□H□

Heavy duty pad for body welding press

- Vacuum surface hard to slide
- O-ring is used in bellows.
- Recyclable by separating parts into metal and rubber.

How to Order



INO-3769-2582-□H□

Pad diameter

40	ø40
50	ø50
63	ø63
80	ø80
100	ø100
125	ø125

Pad material

N	NBR
S	Silicon rubber
U	Urethane rubber
F	Fluoro rubber
E	EPR

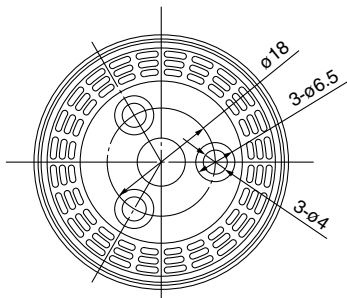
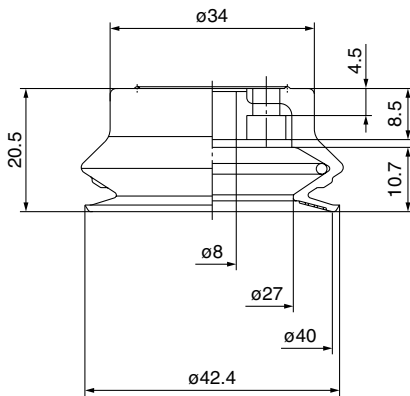
Applicable pad diameter	Hexagon socket head bolt	Qty.
ø40, ø50	M3 x 10	3
ø63, ø80	M4 x 10	4
ø100, ø125	M5 x 12	4

Pad shape

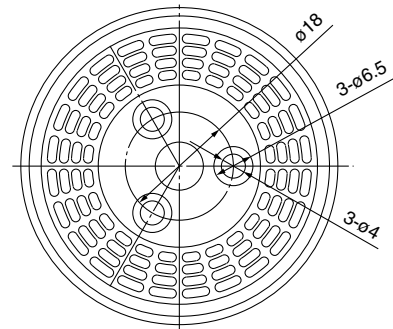
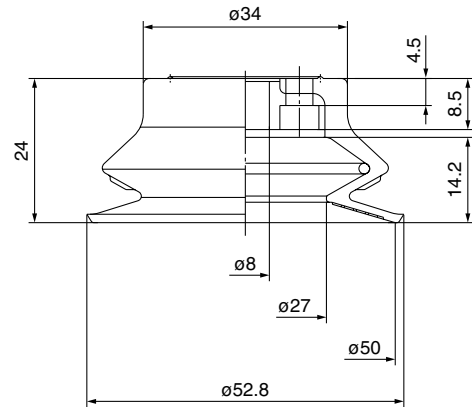
H	Heavy duty pad
---	----------------

Dimensions

INO-3769-2582-40HF



INO-3769-2582-50HF

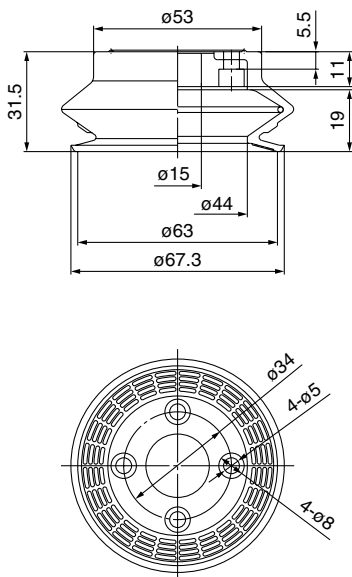


Slide Stopper Pad

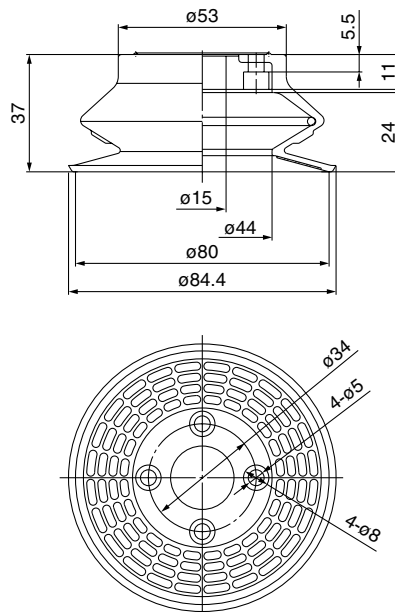
INO-3769-2582-□H□

Dimensions

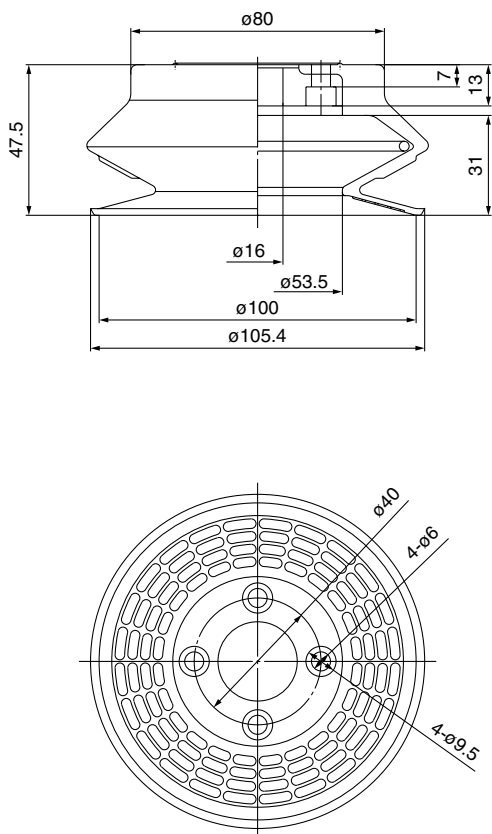
INO-3769-2582-63H□



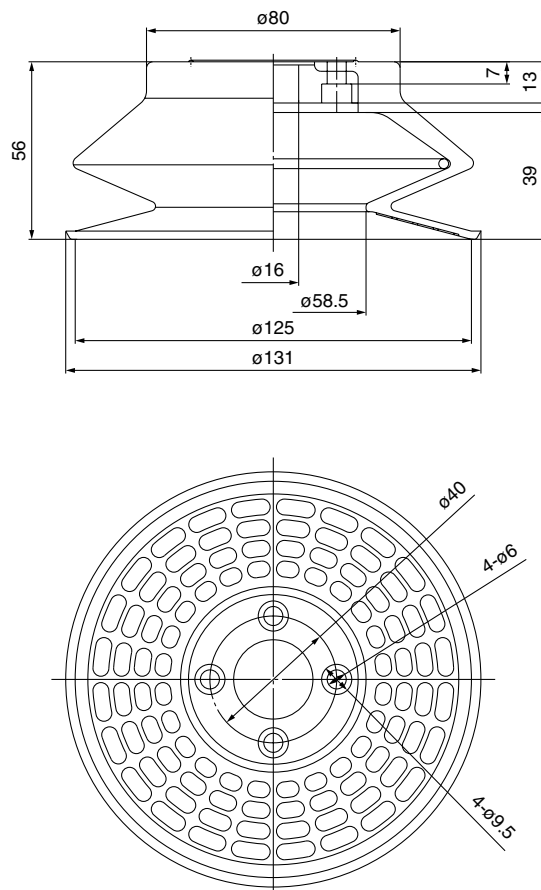
INO-3769-2582-80H□



INO-3769-2582-100H□



INO-3769-2582-125H□



Adapter for Heavy Duty (ø40 to ø125)


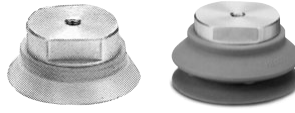
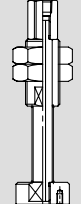
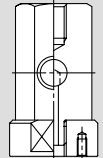
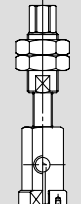
INO-3769-

* Part number of shall be selected from the table below.

Note) This adapter does not include the pad and the bolt. These are supplied by customer.

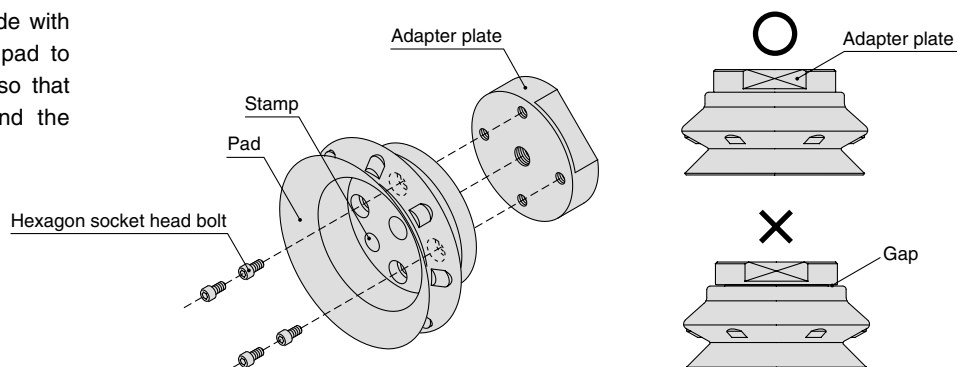
Applicable pad diameter	Hexagon socket head bolt	Qty.
ø40, ø50	M3 x 8 ℓ	3
ø63, ø80	M4 x 8 ℓ	4
ø100, ø125	M5 x 10 ℓ	4

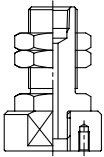
Adapter table

		Applicable pad diameter				Page		
		Image	ø40, ø50	ø63, ø80	ø100, ø125			
Vacuum entry	TOP	Without buffer	Male thread 		-1121	-1125	-1123	Page 26
	Female thread 			-1122-B□□	-1126-B□□	-1124-B□□	Page 27	
	With buffer 		-1119-J□□	-1120-J□□	-1075-J□□□	Page 28		
SIDE	Without buffer 		-1127-B□□	-1128-B□□	-1129-B□□	Page 29		
	With buffer 		-1130-J□□	-1131-J□□	-1132-J□□□	Page 30		

Pad Replacement

Remove the bolt from the vacuum side with the hexagon wrench. Attach a new pad to the adapter plate and tighten bolts so that no gap is left between the pad and the adapter plate.





Vacuum Entry TOP

Buffer None

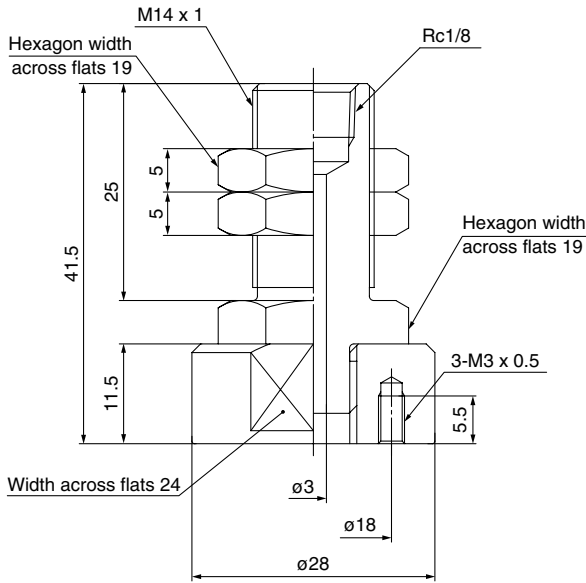
Connection Male thread

■ **ø40, ø50**

How to Order

INO-3769-1121

Dimensions

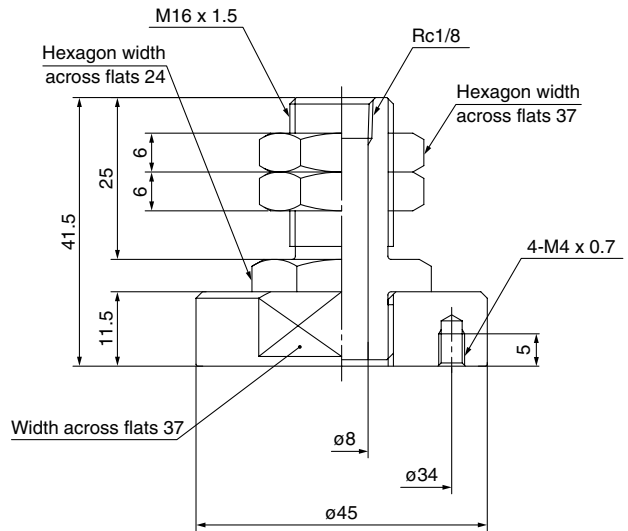


■ **ø63, ø80**

How to Order

INO-3769-1125

Dimensions

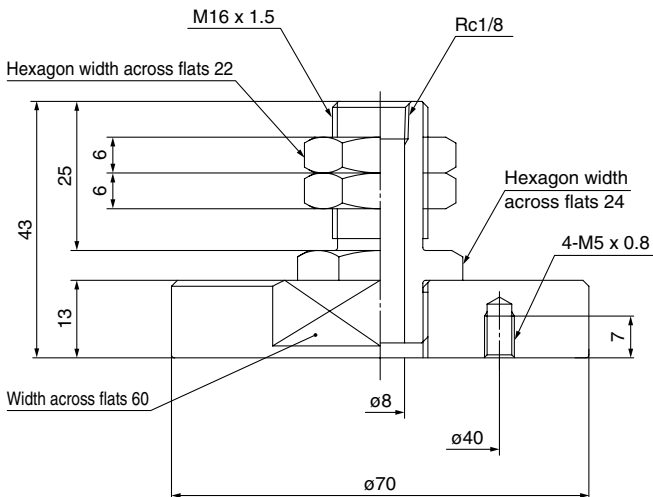


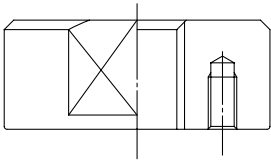
■ **ø100, ø125**

How to Order

INO-3769-1123

Dimensions





Vacuum Entry TOP

Buffer None

Connection Female thread

■**ø40, ø50**

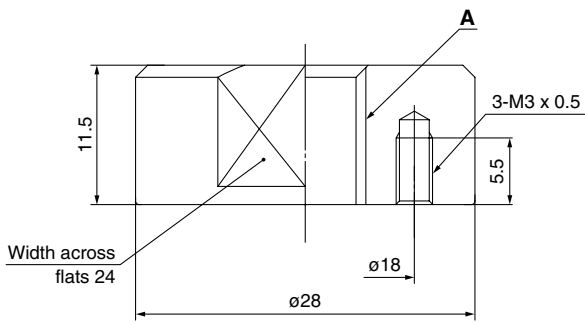
How to Order

INO-3769-1122-B8

Connection •

B8	M8 x 1.25
B10	M10 x 1.5

Dimensions



Model number	A
INO-3769-1122-B8	M8 x 1.25
INO-3769-1122-B10	M10 x 1.5

■**ø100, ø125**

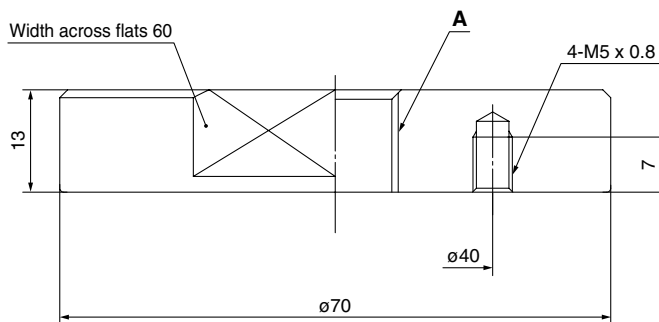
How to Order

INO-3769-1124-B12

Connection •

B12	M12 x 1.75
B16	M16 x 1.5

Dimensions



Model number	A
INO-3769-1124-B12	M12 x 1.75
INO-3769-1124-B16	M16 x 1.5

■**ø63, ø80**

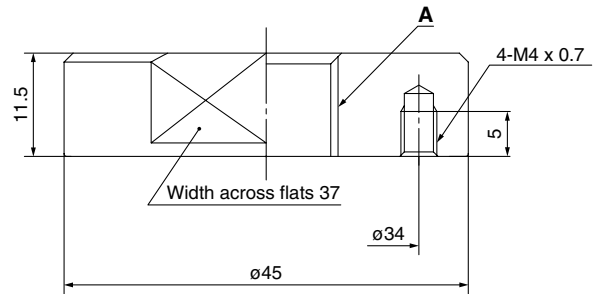
How to Order

INO-3769-1126-B8

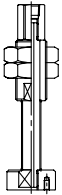
Connection •

B8	M8 x 1.25
B10	M10 x 1.5
B12	M12 x 1.75
B16	M16 x 1.5

Dimensions



Model number	A
INO-3769-1126-B8	M8 x 1.25
INO-3769-1126-B10	M10 x 1.5
INO-3769-1126-B12	M12 x 1.75
INO-3769-1126-B16	M16 x 1.5



Vacuum Entry TOP Buffer Yes Connection Male thread

■**ø40, ø50**

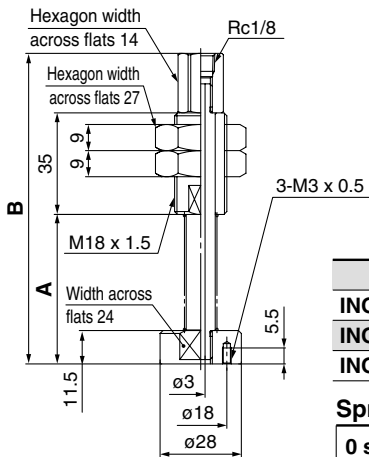
How to Order

INO-3769-1119-J25

Buffer ●

J25	No rotation stopper (Buffer stroke 25 mm)
J50	No rotation stopper (Buffer stroke 50 mm)
J75	No rotation stopper (Buffer stroke 75 mm)

Dimensions



Model number	A	B
INO-3769-1119-J25	51.5	107
INO-3769-1119-J50	86.5	142
INO-3769-1119-J75	122.5	178

Spring Force

0 stroke	6.9 N
Stroke end	11.8 N

■**ø63, ø80**

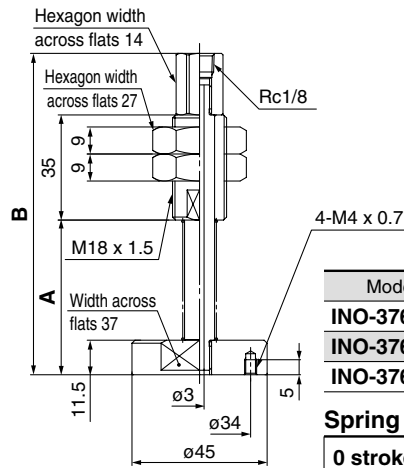
How to Order

INO-3769-1120-J25

Buffer ●

J25	No rotation stopper (Buffer stroke 25 mm)
J50	No rotation stopper (Buffer stroke 50 mm)
J75	No rotation stopper (Buffer stroke 75 mm)

Dimensions



Model number	A	B
INO-3769-1120-J25	51.5	107
INO-3769-1120-J50	86.5	142
INO-3769-1120-J75	122.5	178

Spring Force

0 stroke	6.9 N
Stroke end	11.8 N

■**ø100, ø125**

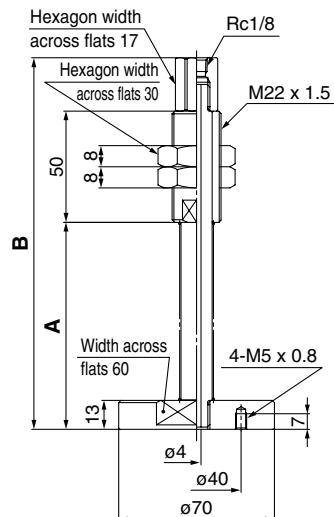
How to Order

INO-3769-1075-J25

Buffer ●

J25	No rotation stopper (Buffer stroke 25 mm)
J50	No rotation stopper (Buffer stroke 50 mm)
J75	No rotation stopper (Buffer stroke 75 mm)
J100	No rotation stopper (Buffer stroke 100 mm)

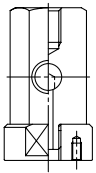
Dimensions



Model number	A	B
INO-3769-1075-J25	57	131
INO-3769-1075-J50	93	167
INO-3769-1075-J75	133	207
INO-3769-1075-J100	168	242

Spring Force

0 stroke	6.9 N
Stroke end	11.8 N



Vacuum Entry **SIDE** **Buffer** **None** **Connection** **Female thread**

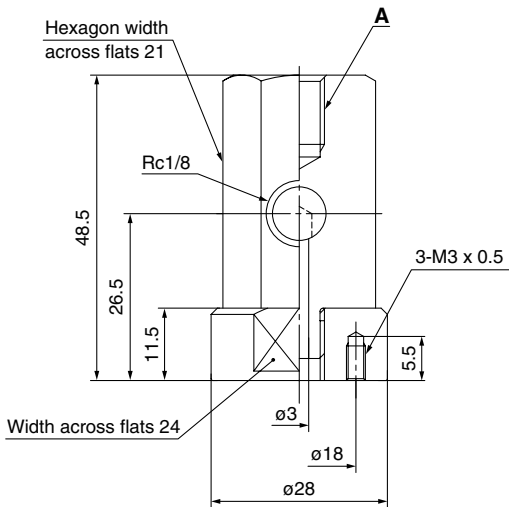
■**ø40, ø50**

How to Order

INO-3769-1127-B8

Connection	
B8	M8 x 1.25
B10	M10 x 1.5

Dimensions



Model number	A
INO-3769-1127-B8	M8 x 1.25
INO-3769-1127-B10	M10 x 1.5

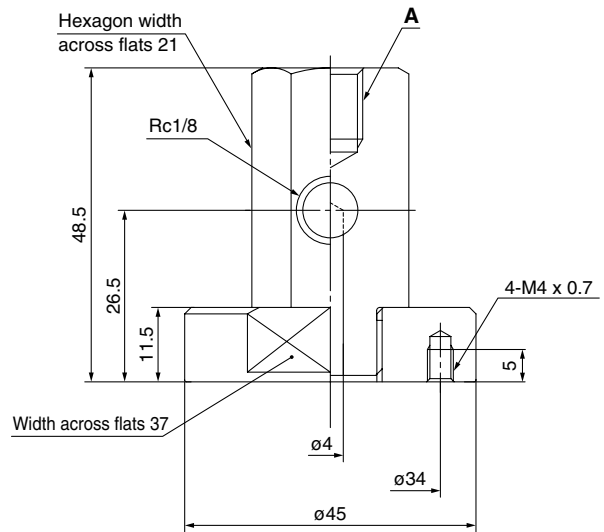
■**ø63, ø80**

How to Order

INO-3769-1128-B10

Connection	
B10	M10 x 1.5
B12	M12 x 1.75

Dimensions



Model number	A
INO-3769-1128-B10	M10 x 1.5
INO-3769-1128-B12	M12 x 1.75

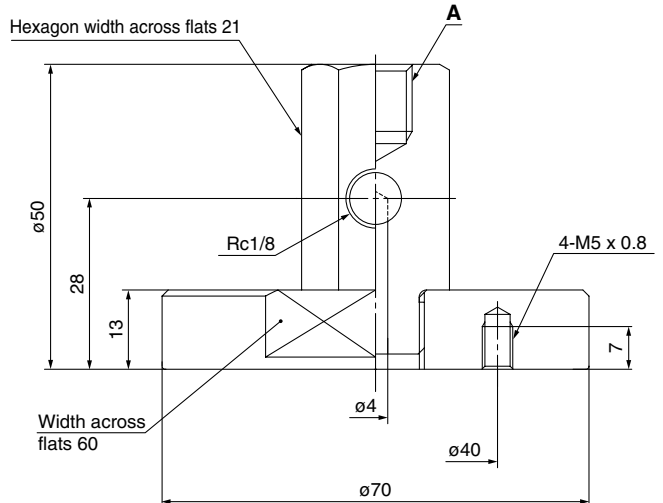
■**ø100, ø125**

How to Order

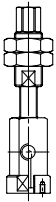
INO-3769-1129-B10

Connection	
B10	M10 x 1.5
B12	M12 x 1.75

Dimensions



Model number	A
INO-3769-1129-B10	M10 x 1.5
INO-3769-1129-B12	M12 x 1.75



Vacuum Entry SIDE Buffer Yes Connection Male thread

■**ø40, ø50**

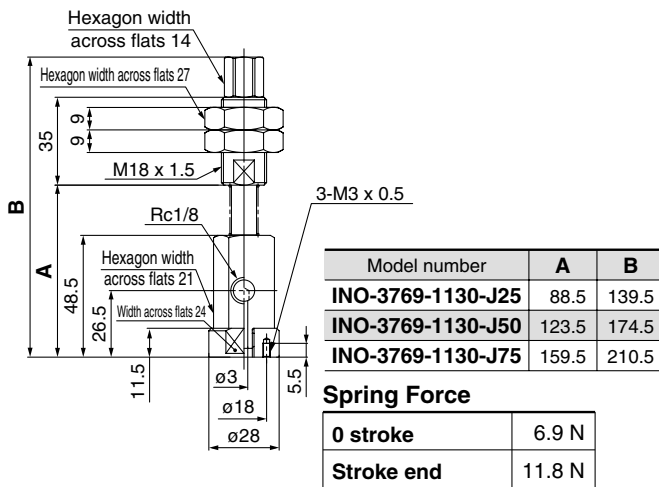
How to Order

INO-3769-1130-J25

Buffer ●

J25	No rotation stopper (Buffer stroke 25 mm)
J50	No rotation stopper (Buffer stroke 50 mm)
J75	No rotation stopper (Buffer stroke 75 mm)

Dimensions



■**ø63, ø80**

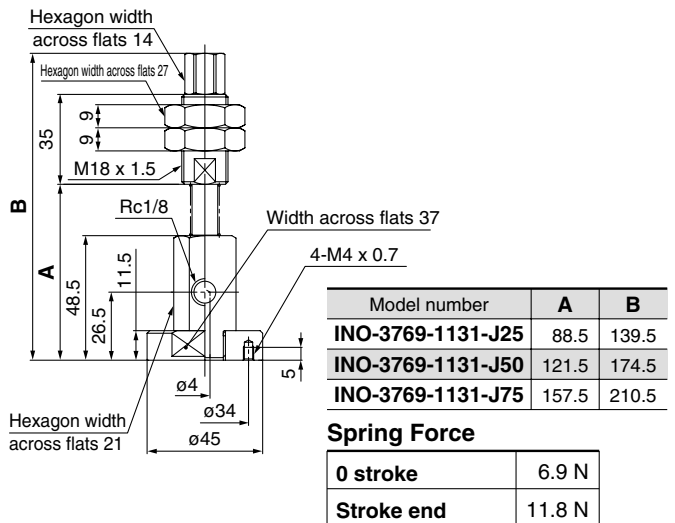
How to Order

INO-3769-1131-J25

Buffer ●

J25	No rotation stopper (Buffer stroke 25 mm)
J50	No rotation stopper (Buffer stroke 50 mm)
J75	No rotation stopper (Buffer stroke 75 mm)

Dimensions



■**ø100, ø125**

How to Order

INO-3769-1132-J25

Buffer ●

J25	No rotation stopper (Buffer stroke 25 mm)
J50	No rotation stopper (Buffer stroke 50 mm)
J75	No rotation stopper (Buffer stroke 75 mm)
J100	No rotation stopper (Buffer stroke 100 mm)

Dimensions

