

Gripper and vacuum technology ▶ Vacuum suction grippers




Series FSR

Brochure



Gripper and vacuum technology ▶ Vacuum suction grippers

Series FSR

	Series FSR ▶ F = 16 - 2560 N ▶ external diameter: 30 - 300 mm ▶ Internal thread	3
	Series FSR ▶ F = 16 - 608 N ▶ external diameter: 30 - 150 mm ▶ Internal thread ▶ heat resistant	5
	Series FSR ▶ F = 16 - 2560 N ▶ external diameter: 30 - 300 mm ▶ Internal thread ▶ heat resistant	7

Gripper and vacuum technology ▶ Vacuum suction grippers

Series FSR

▶ F = 16 - 2560 N ▶ external diameter: 30 - 300 mm ▶ Internal thread



7300-321

Ambient temperature min./max. -10°C / +70°C
 Hardness according to standard ISO 7619-1:2010 60 ± 5 Shore A
 Abrasion value according to DIN 535 16 ISO 4649:2002 105 mm³

Materials:
 Connector Aluminum
 Vacuum Chloroprene rubber

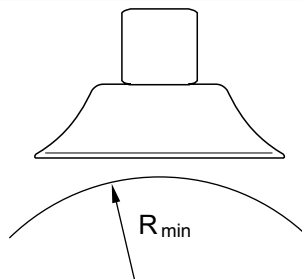
Technical Remarks

- To be used on even, smooth, and rough surfaces.

	Compressed air connection	external diameter	Holding force*)	Volume	Max. curving on object Rmin	Weight	Part No.
		[mm]	[N]	[cm ³]	[mm]	[kg]	
	M5	30	16	2.5	50	0.01	7320300000
	G 1/8	50	64	8	110	0.02	7320500000
	G 1/4	75	160	28	165	0.03	7320750000
	G 3/8	100	304	56	165	0.07	7321000000
	G 1/2	150	608	160	306	0.21	7321500000
	G 3/4	225	1480	500	465	0.75	7322250000
	G 1	300	2560	1250	758	1.8	7323000000

*) Theoretical value at 60% vacuum level, without safety factor

Max. curving on object Rmin

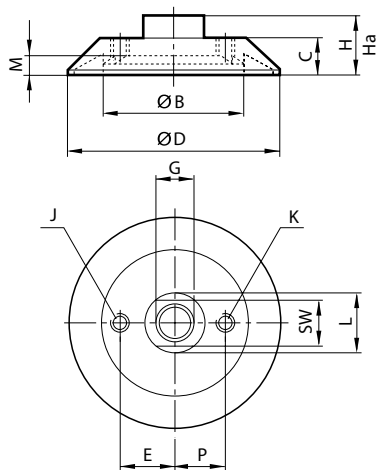


00132217

Series FSR

▶ F = 16 - 2560 N ▶ external diameter: 30 - 300 mm ▶ Internal thread

Dimensions

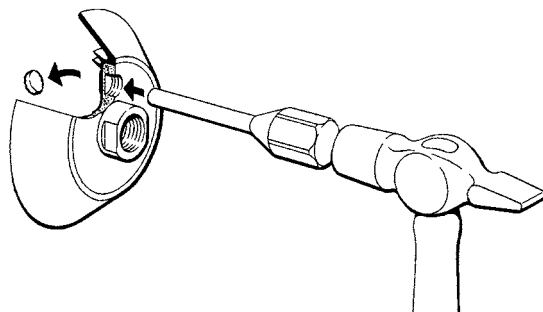


00112390

Part No.	$\varnothing D$	G	$\varnothing B$	C	E	H	Ha*)	J	K	L	M	P	SW
7320300000	30	M5	13	10	-	17	14.5	-	-	10	3.5	-	8
7320500000	50	G 1/8	31	11	-	18	13.5	-	-	18	5.5	-	14
7320750000	75	G 1/4	49	14	-	22	16.5	-	-	22	7	-	17
7321000000	100	G 3/8	65.5	18	-	28	21	-	G 1/8	24	8.5	20	21
7321500000	150	G 1/2	96	26	-	42	33	-	G 1/8	35	12	30	27
7322250000	225	G 3/4	149	34	-	54	43	-	G 1/8	50	14	50	41
7323000000	300	G 1	200	44	70	70	55	G 1/2	G 1/8	56	19	60	46

*) Height for vacuum operation

Technical information



T730_008

A ventilation value can be connected at the thread connection of the suction cups \varnothing 100, 150, 225 and 300. For this, the plug must be knocked from the material with a hammer and mandrel.

Gripper and vacuum technology ▶ Vacuum suction grippers

Series FSR

▶ F = 16 - 608 N ▶ external diameter: 30 - 150 mm ▶ Internal thread ▶ heat resistant



7300-321

Ambient temperature min./max. -20°C / +130°C
 Hardness according to standard ISO 7619-1:2010 70 ± 5 Shore A
 Abrasion value according to DIN 535 16 ISO 4649:2002 91 mm³

Materials:
 Connector Aluminum
 Vacuum Hydrogenated acrylonitrile butadiene rubber

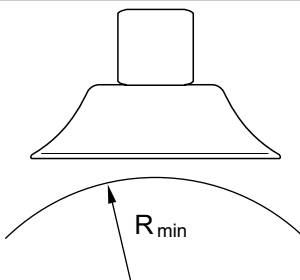
Technical Remarks

- To be used on even, smooth, and rough surfaces.

	Compressed air connection	external diameter	Holding force*)	Volume	Max. curving on object Rmin	Weight	Part No.
		[mm]	[N]	[cm³]	[mm]	[kg]	
	M5	30	16	2.5	50	0.01	7320302000
	G 1/8	50	64	8	110	0.02	7320502000
	G 1/4	75	160	28	165	0.03	7320752000
	G 3/8	100	304	56	165	0.07	7321002000
	G 1/2	150	608	160	306	0.21	7321502000

*) Theoretical value at 60% vacuum level, without safety factor

Max. curving on object Rmin

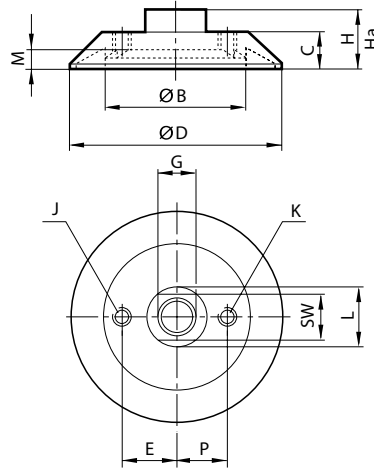


00132217

Series FSR

▶ F = 16 - 608 N ▶ external diameter: 30 - 150 mm ▶ Internal thread ▶ heat resistant

Dimensions



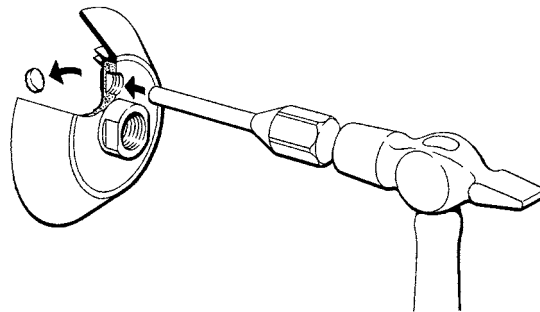
00127731

Part No.	ØD	G	ØB	C	E	H	Ha*)	J	K	L	M	P
7320302000	30	M5	13	10	-	17	14.5	-	-	10	3.5	-
7320502000	50	G 1/8	31	11	-	18	13.5	-	-	18	5.5	-
7320752000	75	G 1/4	49	14	-	22	16.5	-	-	22	7	-
7321002000	100	G 3/8	65.5	18	-	28	21	-	G 1/8	24	8.5	20
7321502000	150	G 1/2	96	26	-	42	33	-	G 1/8	35	12	30

Part No.	SW											
7320302000	8											
7320502000	14											
7320752000	17											
7321002000	21											
7321502000	27											

*) Height for vacuum operation

Technical information



T730_008

A ventilation value can be connected at the thread connection of the suction cups Ø 100, 150, 225 and 300. For this, the plug must be knocked from the material with a hammer and mandrel.

Gripper and vacuum technology ▶ Vacuum suction grippers

Series FSR

▶ F = 16 - 2560 N ▶ external diameter: 30 - 300 mm ▶ Internal thread ▶ heat resistant



7300-321

Ambient temperature min./max. -20°C / +170°C
 Hardness according to standard ISO 7619-1:2010 60 ± 5 Shore A
 Abrasion value according to DIN 535 16 ISO 4649:2002 154 mm³

Materials:
 Connector Aluminum
 Vacuum Fluoromethyl silicone

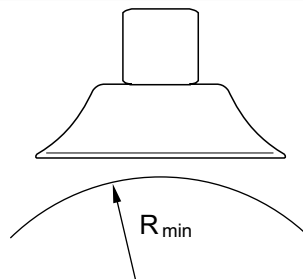
Technical Remarks

- To be used on even, smooth, and rough surfaces.

	Compressed air connection	external diameter	Holding force*)	Volume	Max. curving on object Rmin	Weight	Part No.
		[mm]	[N]	[cm ³]	[mm]	[kg]	
	M5	30	16	2.5	50	0.01	7320301000
	G 1/8	50	64	8	110	0.02	7320501000
	G 1/4	75	160	28	165	0.03	7320751000
	G 3/8	100	304	56	165	0.07	7321001000
	G 1/2	150	608	160	306	0.21	7321501000
	G 3/4	225	1480	500	465	0.75	7322251000
	G 1	300	2560	1250	758	1.8	7323001000

*) Theoretical value at 60% vacuum level, without safety factor

Max. curving on object Rmin

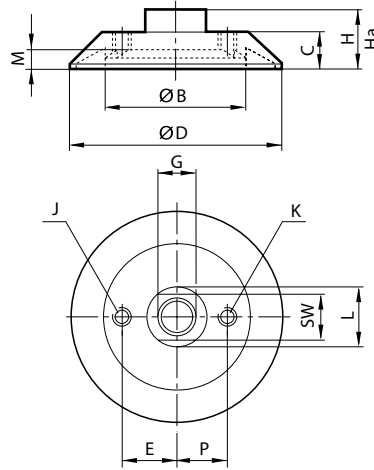


00132217

Series FSR

▶ F = 16 - 2560 N ▶ external diameter: 30 - 300 mm ▶ Internal thread ▶ heat resistant

Dimensions



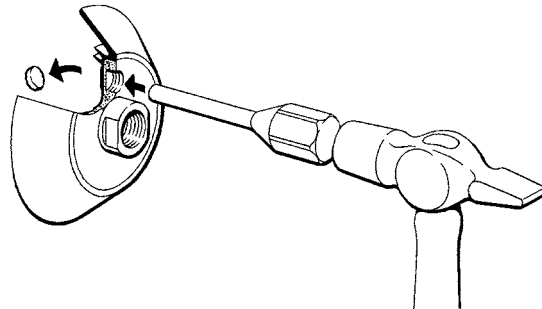
00127732

Part No.	ØD	G	Ø B	C	E	H	Ha*)	J	K	L	M	P
7320301000	30	M5	13	10	-	17	14.5	-	-	10	3.5	-
7320501000	50	G 1/8	31	11	-	18	13.5	-	-	18	5.5	-
7320751000	75	G 1/4	49	14	-	22	16.5	-	-	22	7	-
7321001000	100	G 3/8	65.5	18	-	28	21	-	G 1/8	24	8.5	20
7321501000	150	G 1/2	96	26	-	42	33	-	G 1/8	35	12	30
7322251000	225	G 3/4	149	34	-	54	43	-	G 1/8	50	14	50
7323001000	300	G 1	200	44	70	70	55	G 1/2	G 1/8	56	19	60

Part No.	SW											
7320301000	8											
7320501000	14											
7320751000	17											
7321001000	21											
7321501000	27											
7322251000	41											
7323001000	46											

*) Height for vacuum operation

Technical information



T730_008

A ventilation value can be connected at the thread connection of the suction cups Ø 100, 150, 225 and 300. For this, the plug must be knocked from the material with a hammer and mandrel.

AVENTICS GmbH
Ulmer Straße 4
30880 Laatzen, GERMANY
Phone +49 511 2136-0
Fax +49 511 2136-269
www.aventics.com
info@aventics.com



Find more contact information at
www.aventics.com/contact

Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product.

Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product.

The data specified only serve to describe the product.

No statements concerning a certain condition or suitability for a certain application can be derived from our information.

The information given does not release the user from the obligation of own judgment and verification. It must be remembered that the products are subject to a natural process of wear and aging.

25-07-2016

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. © AVENTICS S.à r.l.
This document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS S.à r.l.. It may not be reproduced or given to third parties without its consent. PDF online