

Suction Cups for High-Temperature Applications

Suction Cups for High-Temperature MW-HT

Suction area (ϕ) from 90 mm to 190 mm

Suction Cups for High-Temperature MW-HT

Introduction and application

- ◆ For handling of workpieces with smooth surfaces
- ◆ Usage in manufacturing of float glass or in tempering processes in the glass industry
- ◆ Hot forming in the metal industry
- ◆ Maximum temperature resistance: 600°C

Design

- ◆ Robust stainless-steel body
- ◆ Seal clamped into the body and quickly replaceable
- ◆ Seal made of special textile material for handling hot workpieces



Ordering Guide Suction Cups for High-Temperature MW-HT

Item no.	Suction area ϕ [mm]	Material and Shore hardness	Connection thread
MW-HT	35	BL special silicate fabric	G1/8-IG
	60		G1/4-IG
	90		G3/8-IG
	140		

Note: MW-HT IG=internal thread (F)

Ordering Data Suction Cups for High-Temperature MW-HT

Type	Ordering Data
MW-HT 35 BL G1/8-IG	90.02.01.00509
MW-HT 60 BL G1/4-IG	90.02.01.00510
MW-HT 90 BL G1/4-IG	90.02.01.00511
MW-HT 140 BL G3/8-IG	90.02.01.00512

Ordering Data Spare Parts Suction Cups for High-Temperature MW-HT

Type	Sealing ring DR-MW-HT
MW-HT 35 BL G1/8-IG	90.02.03.00460
MW-HT 60 BL G1/4-IG	90.02.03.00461
MW-HT 90 BL G1/4-IG	90.02.03.00462
MW-HT 140 BL G3/8-IG	90.02.03.00463

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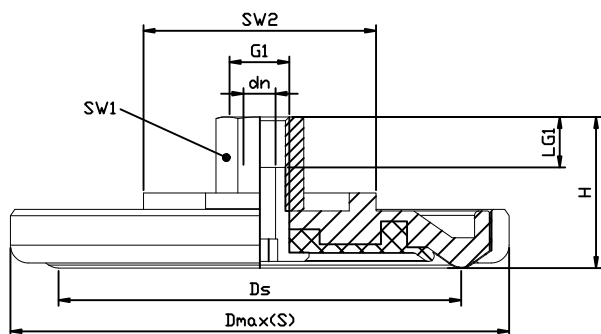
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Technical Data Suction Cups for High-Temperature MW-HT

Type	Suction force	Volume	Min. curve radius	Pressure =-0.7 bar	Weight	Hose diameter (recom.)
	[N]	[cm ³]	[mm](convex)	Required suction l/min	[g]	d[mm]
MW-HT 35 BL G1/8-IG	47	4	90	55	225	4
MW-HT 60 BL G1/4-IG	130	12	440	78	375	6
MW-HT 90 BL G1/4-IG	320	25	1060	100	675	6
MW-HT 140 BL G3/8-IG	740	50	1700	120	1390	9

Design Data Suction Cups for High-Temperature MW-HT

MW-HT 35 – 140 BL



Type	Dimensions [mm]							
	dn	D1	Ds	G1	H	LG1	SW1	SW2
MW-HT 35 BL G1/8-IG	5	53	35	G1/8"-F	29	12	14	27
MW-HT 60 BL G1/4-IG	7	80	58	G1/4"-F	39	12	17	27
MW-HT 90 BL G1/4-IG	7	112	90	G1/4"-F	39	12	17	46
MW-HT 140 BL G3/8-IG	8	160	138	G3/8"-F	39	12	22	95

- Combined Suction Cups
- Vacuum Suction Cups
- Composite Suction Cups
- Special Grippers
- Vacuum Gripping Systems
- Mounting Elements
- Vacuum Generators
- Valve Technology
- Switch And Monitoring
- Vacuum Filters