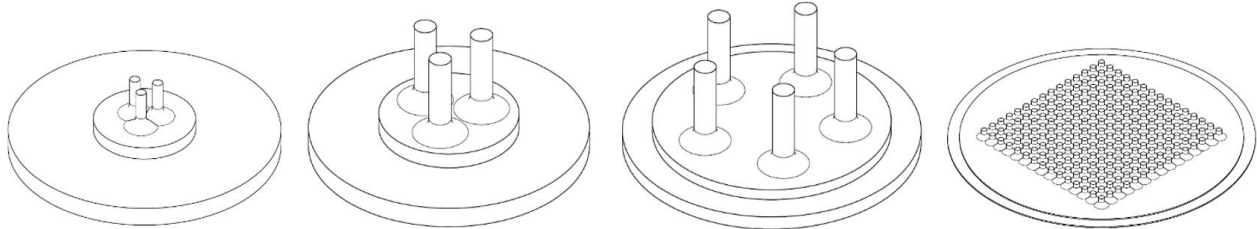


Overview Arigrip Standard Grippers











MH_H_20F1_SWS_K_PU1
Arigrip 01.1B

MH_H_20E1_SWS_K_PU1
Arigrip 02.1B

MH_H_20F2_SWS_K_PU1
Arigrip 03.1B

MH_H_20F3_SWS_K_PU1
Arigrip 04.1

TECHNICAL SPECIFICATION / NOMINAL

	AG 01.1B	AG 02.1B	AG 03.1B	AG 04.1
 Pillar length	60 µm	160 µm	300 µm	37,5 µm
 Pillar diameter	15 µm	40 µm	75 µm	25 µm
 Array specification	-	-	-	225 pillars, 50 µm pitch
 Min. gripping area	60 µm	180 µm	600 µm	-
 Gripper material	Polyurethane			
 Gripper carrier	Ø4 x 20 mm stainless steel pin (quick changer)			
 Max. adhesive strength @ pickup	0.2 mN / 20 mg	1.5 mN / 150 mg	8 mN / 800 mg	45 mN / 4.5 g
 Max. compressive load (safety)	0.3 mN	2.0 mN	11.0 mN	240 mN
 Max. compression (safety)	30 µm	80 µm	150 µm	60 µm
 Compr. for max. adhesion	< 8 µm	< 15 µm	< 25 µm	< 30 µm
 Compr. load for max. adh.	0.2 mN	1.1 mN	7.5 mN	120 mN
 Compr. for pillar buckling	12 µm	25 µm	50 µm	-
 Compression for placing	25 µm	70 µm	125 µm	-
 Long-term performance	> 250,000 cycles			
 Operation temperature	-20 °C – 65 °C			

The information in this publication has been compiled carefully and to the best of our knowledge within the framework of the quality management system of INNOCISE GmbH. They describe our product with regard to condition and usage, but do not represent a guarantee of specific properties. **Adhesion and long-term performance are given for planar, cleaned glass. Adhesion is only slightly material-dependent, but strongly dependent on the surface roughness of the transfer object.** Long-term performance is given for the standard release mechanism buckling.