

Introduction

The M-PGWMO(OM) orthogonal pincer grip is compatible with the Omicron SA02-1862 gripper for STM1 and similar orthogonally operated sample exchange mechanisms. The pincer grips are made with the appropriate grooves for in-line and perpendicular gripping of the sample plate. Both grooves are made with the necessary clearance to allow dangling of the sample plate. Exact values for the clearance of the sample plate are given in the drawing.

Adds 9.0mm to dimension Y of the main product.

Description	Part Code
Orthogonal pincer for M-SHOM flag style sample holders	M-PGWMO(OM)

Specifications:

Materials

Stainless steel 1.4301
Berylco 25

Vacuum Range

atm to 1×10^{-11} mbar

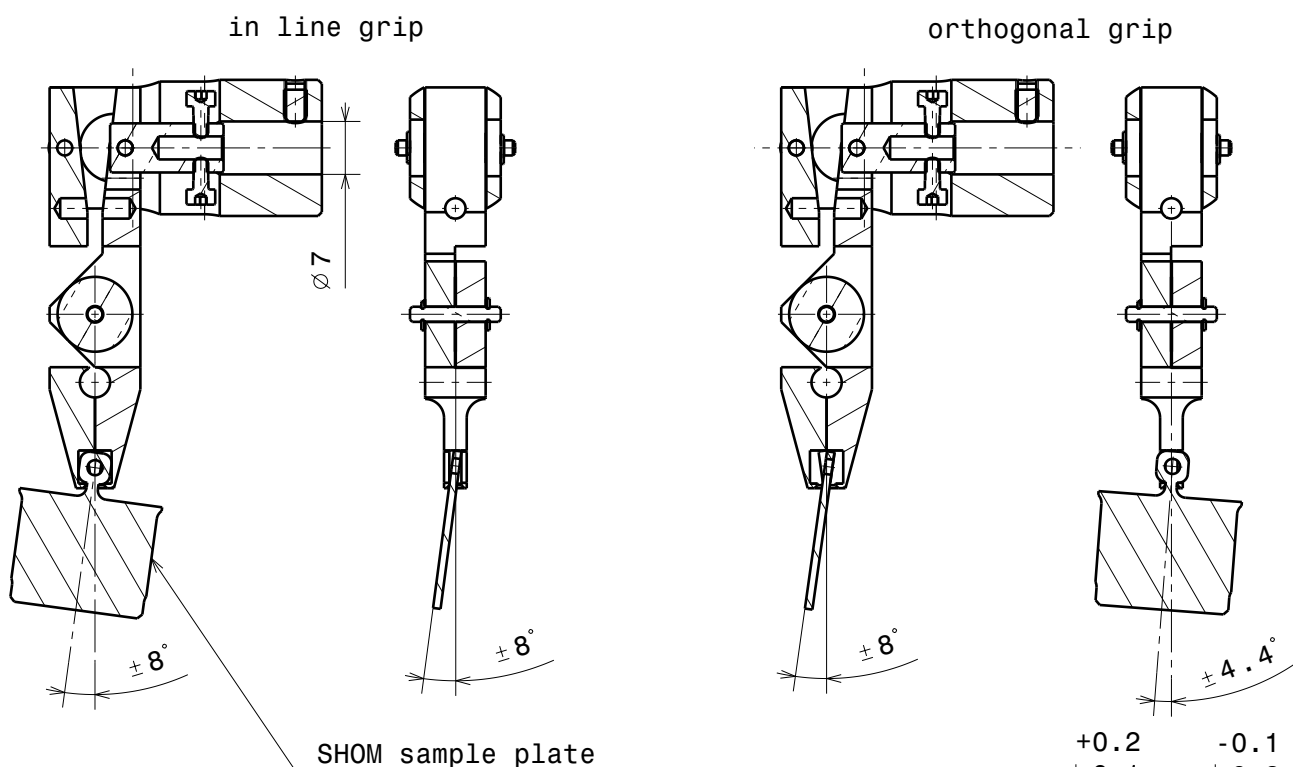
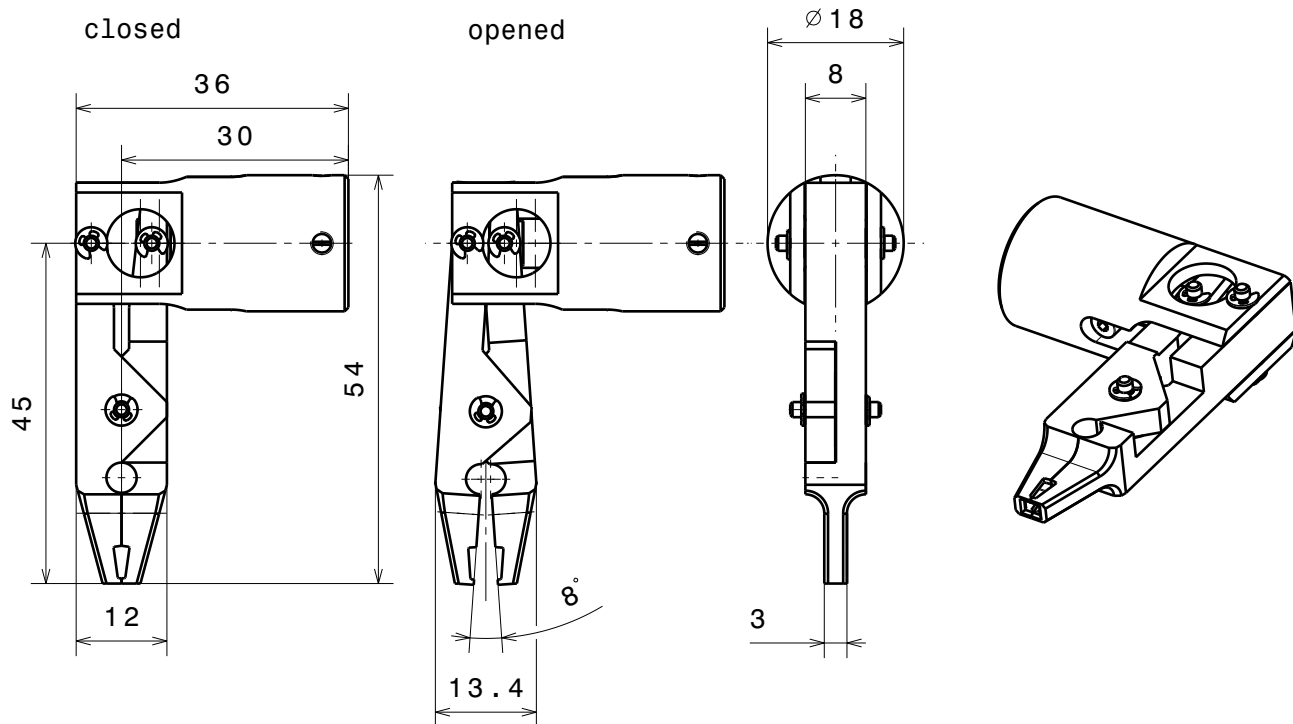
Bakeout Temperature *

150°C max.

Jaw Opening

8°





$\sqrt{\text{Ra } 1.6}$ (✓) $\swarrow \begin{matrix} +0.2 \\ +0.1 \end{matrix}$ $\searrow \begin{matrix} -0.1 \\ -0.2 \end{matrix}$
 general tolerances ISO 2768-K

Material: all UHV compatible

Orthogonal pincer grip
for SHOM sample plates

PG

Ferrovac GmbH
CH-8050 Zurich

THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
FERROVAC GMBH. ANY REPRODUCTION
IN PART OR AS WHOLE WITHOUT OUR
PERMISSION IS PROHIBITED.

nominal dimension	over	1	6	30	100	300	1000
up to	6	30	100	300	1000	2000	
tolerance	±	0.05	0.1	0.3	0.5	0.8	1.2

Scale Drawn Denys Sutter

Date 21.02.2011

Checked Name

1:1

PGWMO (OM)