

Lightweight gripping systems SLG

Technical data sheet

Note: This quick reference guide was written in German. It describes the basic functions and serves as a quick start for experienced users. This Quick Start Guide does not claim to be complete. Keep for future use. Technical changes, printing errors and mistakes excepted.

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1 Safety instructions

WARNING

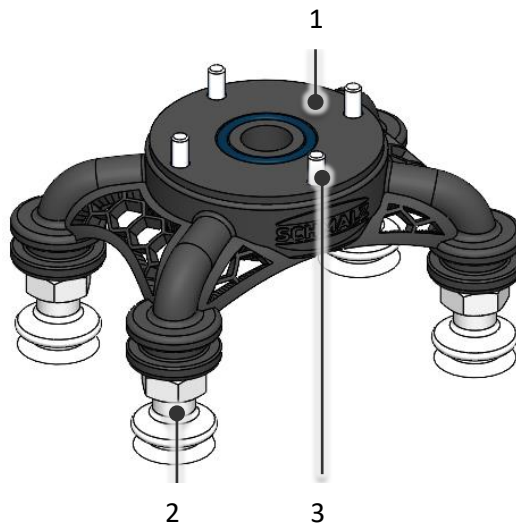
Suction of hazardous media, liquids or bulk material

Damage to health or property!



- ▶ Do not suck in any media that are hazardous to health, e.g. dust, oil mist, vapours, aerosols or similar.
- ▶ Do not suck in aggressive gases or media such as acids, acid vapours, alkalis, biocides, disinfectants and cleaning agents.
- ▶ Do not aspirate liquid or bulk material such as granulates.

2 Structure of the gripper



presented
10.01.10.14041

1	Main body
3	Fastening screw

2	Bellow suction cup
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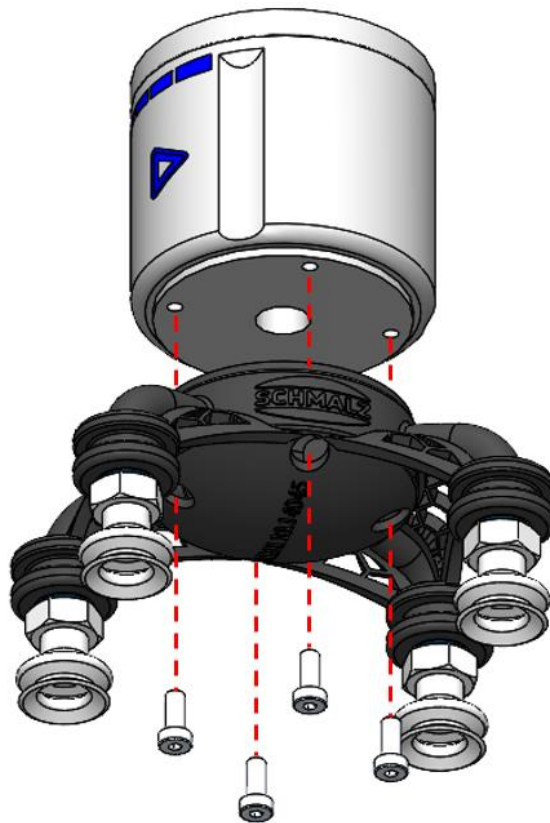
3 Technical data

Type	4S	3S	2S
Article number	10.01.10.14041	10.01.10.14042	10.01.10.14043
Weight [kg]	0,074	0,057	0,042
Robot connection diagram	4xM4 LKØ46mm		
Working temperature [°C]	5-40		
Maximum holding force [kg] ¹	1,88	1,41	0,94

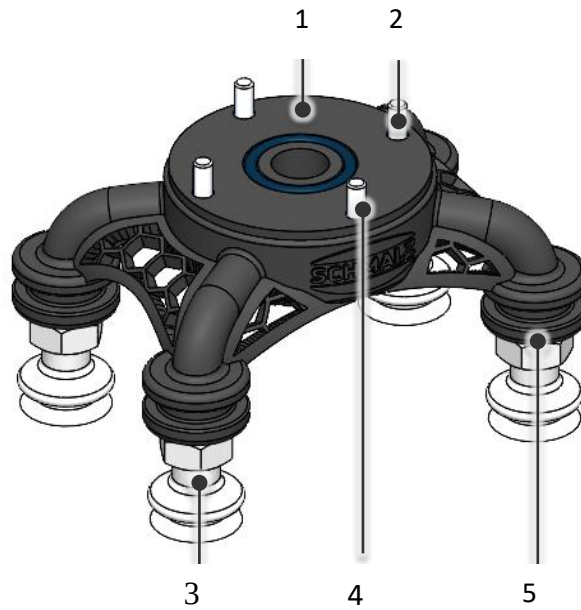
¹ The maximum load capacities are theoretical values at -0.6bar vacuum and dry, smooth and even workpiece surface
- they are given without safety factors.

4 Assembly

For mounting to the electric CobotPump ECBPMi, the supplied M4 screws are passed through the base body from below and tightened to 1.3Nm.



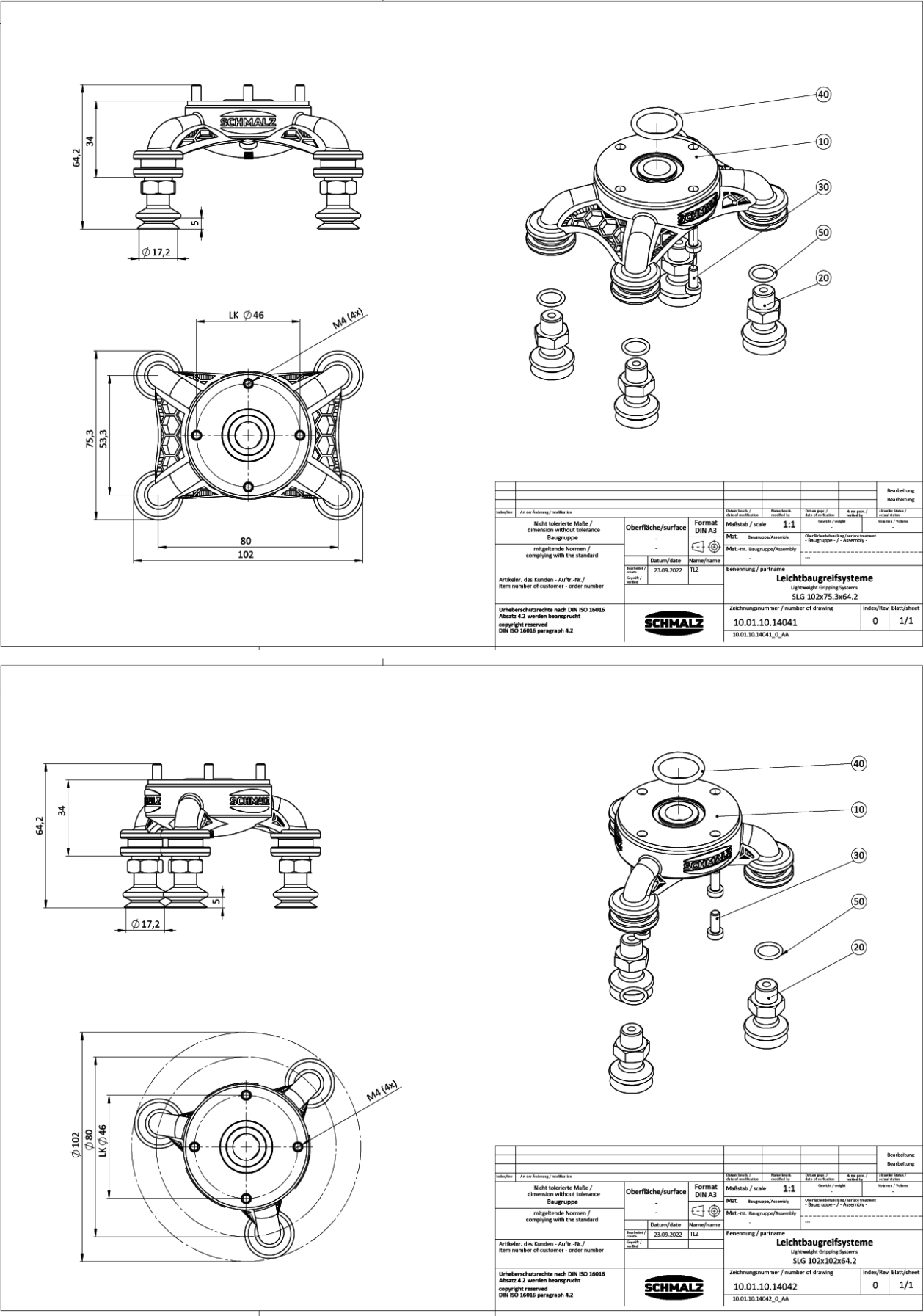
5 Spare and wear parts

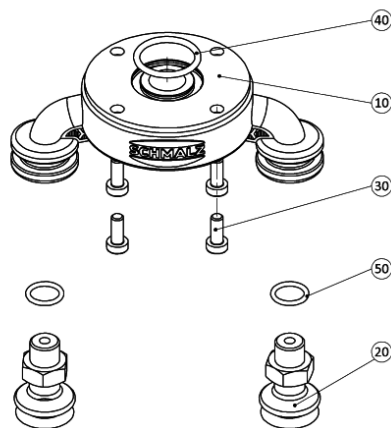
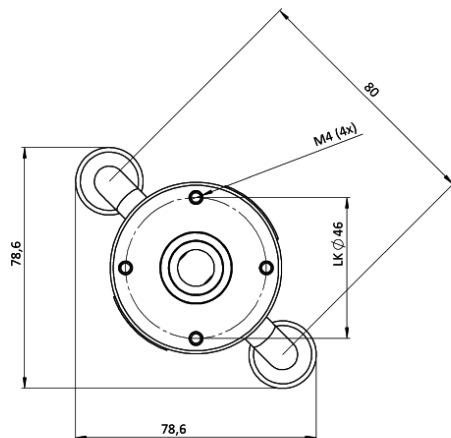
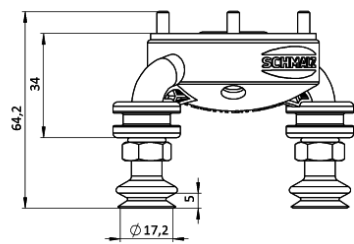


Pos	Quantity	Description	4S Item no.	3S Item no.	2S Item no.	Legend
1	1	Main body Lightweight Gripper	10.01.10.14045	10.01.10.14047	10.01.10.14049	S
2	4	Machine screw M4x10		20.01.02.04028		S
3	2-4	Bellows suction cup FSG 20		10.01.06.00390		W
4	1	O-ring 18x2.5		10.07.08.00103		S
5	2-4	O-ring 9.5x1.5		10.07.08.00143		S

S= Spare part, W= Wearing part, WA=Wearing part assembly, contains wearing parts

6 Construction drawing





								Bearbeitung	
Zust./Rev.		Änderung / modification		Status / Status		Revised / revised		Date / date	
Nicht tolerierte Maße / dimension without tolerance		Oberfläche / surface		Format		Maßstab / scale		1:1	
Baugruppe		Mat.		Baugruppe / assembly		Mat.-nr. Baugruppe / assembly		Oberflächenbehandlung / surface treatment	
mitgehende Normen / complying with the standard		Datum / date		Name / name		Benennung / partname		Zeichnungsnummer / number of drawing	
Artikelnr. des Kunden - Auftr.-Nr. / item number of customer - order number		23.09.2022		TL2		Leichtbaugreifsysteme		Index/Row	
Urheberrechte nach DIN ISO 16096 Absatz 4.2 werden beansprucht copyright reserved DIN ISO 16096 paragraph 4.2						SLG 78.6x78.6x64.2		0	
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