

G-GIS005

Technical specifications



Operating mode:

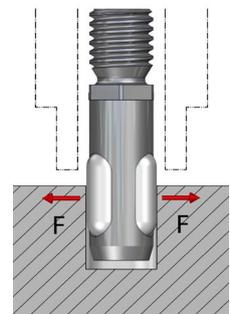
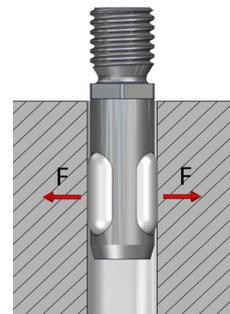
The internal grippers dip into drillings, enlarge their external diameter by expansion of the silicone membrane, under pressure, and thus frictionally engaged hold to the bore wall. When pressure is switched off, the silicone membrane self-reliant retracts into the grippers inside due to its elastic behavior.

Advantages:

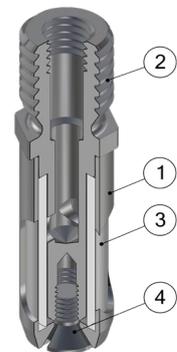
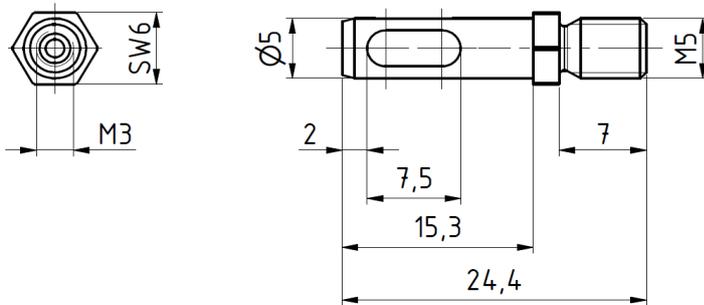
- Minimum installation size possible
- Width across flats for assembly
- Minimum immersion depth
- Low gripper weight
- Simple gripper principle
- Cost-efficient
- Quick membrane replacement possible
- Indirect request via pressure switch in the supply line possible



Technical specifications	GIS005
Working pressure [bar]	3 - 6
Grip force at 6 bar [N]	4
For bore diameter [mm]	5,1 – 6,0
Allowed component weight [kg]	0,4
Gripper weight [kg]	0.003
Compressed air connection Ø	M3
Assembly Ø	M5
Stroke cycles at ideal application conditions	500.000
Membrane material	Silicone rubber
Temperature range	-40° C to 300° C



Limits of the application range	
Minimum immersion depth of the membrane [%]	60
To protect the membrane from damage at low installation depth, use customers hull	DH = D _{GIS} +10%
Reduced grip force, when the membrane is not completely covered	



Internal gripper lowering Ø005...	
G-GIS005	External diameter 5, screw thread M5
Replacement tube	
EG-GI005-S	for internal gripper counter bore GIS005

Pos.	Description
1	Hull
2	Arbor
3	Tube
4	Counter sunk scr

G-GIS006

Technical specifications



Operating mode:

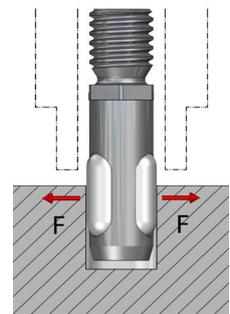
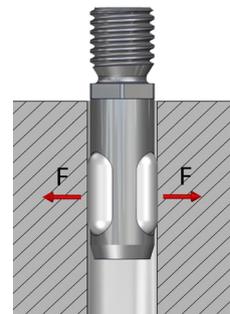
The internal grippers dip into drillings, enlarge their external diameter by expansion of the silicone membrane, under pressure, and thus frictionally engaged hold to the bore wall. When pressure is switched off, the silicone membrane self-reliant retracts into the grippers inside due to its elastic behavior.

Advantages:

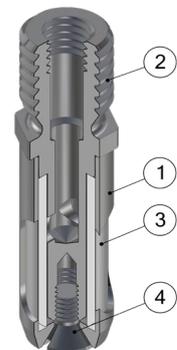
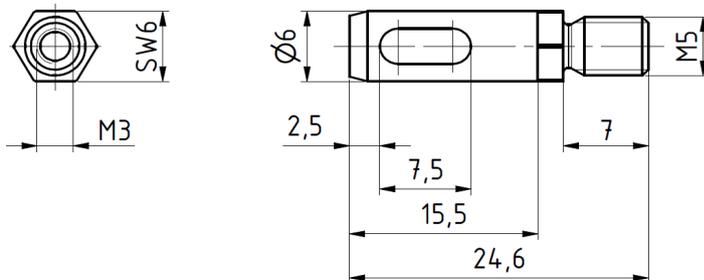
- Minimum installation size possible
- Width across flats for assembly
- Minimum immersion depth
- Low gripper weight
- Simple gripper principle
- Cost-efficient
- Quick membrane replacement possible
- Indirect request via pressure switch in the supply line possible



Technical specifications	GIS006
Working pressure [bar]	3 - 6
Grip force at 6 bar [N]	5
For bore diameter [mm]	6,1 – 7,0
Allowed component weight [kg]	0,5
Gripper weight [kg]	0.003
Compressed air connection Ø	M3
Assembly Ø	M5
Stroke cycles at ideal application conditions	500.000
Membrane material	Silicone rubber
Temperature range	-40° C to 300° C



Limits of the application range	
Minimum immersion depth of the membrane [%]	60
To protect the membrane from damage at low installation depth, use customers hull	DH = D _{GIS} +10%
Reduced grip force, when the membrane is not completely covered	



Internal gripper lowering Ø006...	
G-GIS006	External diameter 6, screw thread M5
Replacement tube	
EG-GI006-S	for internal gripper counter bore GIS006

Pos.	Description
1	Hull
2	Arbor
3	Tube
4	Counter sunk scr

G-GIS007

Technical specifications



Operating mode:

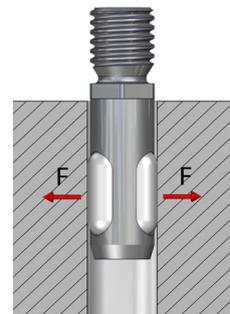
The internal grippers dip into drillings, enlarge their external diameter by expansion of the silicone membrane, under pressure, and thus frictionally engaged hold to the bore wall. When pressure is switched off, the silicone membrane self-reliant retracts into the grippers inside due to its elastic behavior.

Advantages:

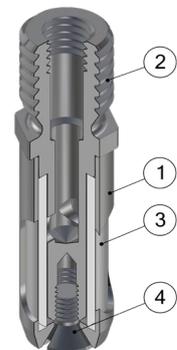
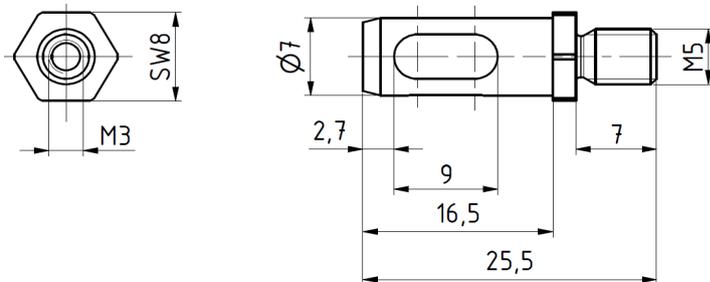
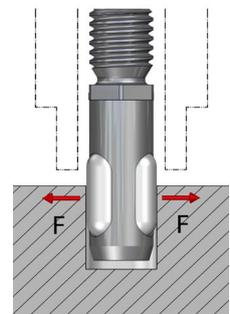
- Minimum installation size possible
- Width across flats for assembly
- Minimum immersion depth
- Low gripper weight
- Simple gripper principle
- Cost-efficient
- Quick membrane replacement possible
- Indirect request via pressure switch in the supply line possible



Technical specifications	GIS007
Working pressure [bar]	3 - 6
Grip force at 6 bar [N]	7
For bore diameter [mm]	7,1 – 8,0
Allowed component weight [kg]	0,7
Gripper weight [kg]	0.005
Compressed air connection Ø	M3
Assembly Ø	M5
Stroke cycles at ideal application conditions	500.000
Membrane material	Silicone rubber
Temperature range	-40° C to 300° C



Limits of the application range	
Minimum immersion depth of the membrane [%]	60
To protect the membrane from damage at low installation depth, use customers hull	DH = D _{GIS} +10%
Reduced grip force, when the membrane is not completely covered	



Internal gripper lowering Ø007...	
G-GIS007	External diameter 7, screw thread M5
Replacement tube	
EG-GI007-S	for internal gripper counter bore GIS007

Pos.	Description
1	Hull
2	Arbor
3	Tube
4	Counter sunk scr

G-GIS008

Technical specifications



Operating mode:

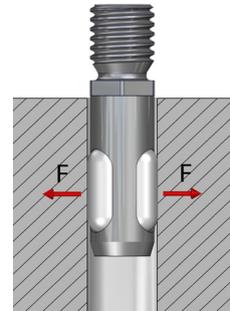
The internal grippers dip into drillings, enlarge their external diameter by expansion of the silicone membrane, under pressure, and thus frictionally engaged hold to the bore wall. When pressure is switched off, the silicone membrane self-reliant retracts into the grippers inside due to its elastic behavior.

Advantages:

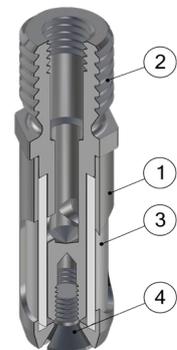
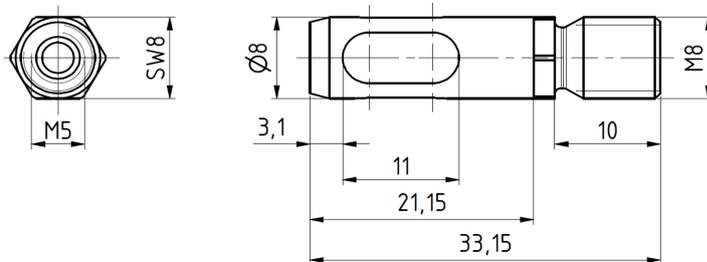
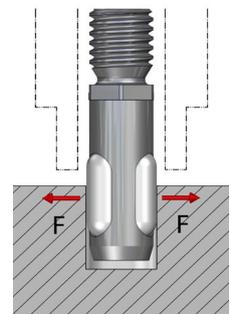
- Minimum installation size possible
- Width across flats for assembly
- Minimum immersion depth
- Low gripper weight
- Simple gripper principle
- Cost-efficient
- Quick membrane replacement possible
- Indirect request via pressure switch in the supply line possible



Technical specifications	GIS008
Working pressure [bar]	3 - 6
Grip force at 6 bar [N]	17
For bore diameter [mm]	8,1 – 9,0
Allowed component weight [kg]	1,7
Gripper weight [kg]	0.008
Compressed air connection Ø	M5
Assembly Ø	M8
Stroke cycles at ideal application conditions	500.000
Membrane material	Silicone rubber
Temperature range	-40° C to 300° C



Limits of the application range	
Minimum immersion depth of the membrane [%]	60
To protect the membrane from damage at low installation depth, use customers hull	DH = D _{GIS} +10%
Reduced grip force, when the membrane is not completely covered	



Internal gripper lowering Ø008...	
G-GIS008	External diameter 8, screw thread M8
Replacement tube	
EG-GI008-S	for internal gripper counter bore GIS008

Pos.	Description
1	Hull
2	Arbor
3	Tube
4	Counter sunk scr