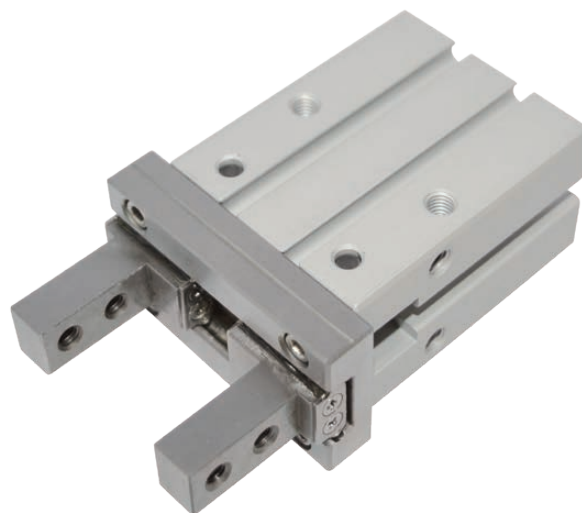


**SERIE - PINZE PNEUMATICHE**

PNEUMATIC GRIPPER  
 PNEUMATISCHE GREIFER  
 PINCE PNEUMATIQUE  
 PINZA NEUMÁTICA  
 GARRA PNEUMÁTICA



**CARATTERISTICHE TECNICHE**  
 TECHNICAL CHARACTERISTICS  
 TECHNISCHE ANGABEN  
 CARACTÉRISTIQUES TECHNIQUES  
 CARACTERÍSTICAS TÉCNICAS  
 CARACTERÍSTICAS TÉCNICAS



1907/2006  
**REACH** ✓  
 2011/65/CE  
**RoHS** ✓  
 SILICON  
 FREE

Materiali	IT	Materials	GB	Materialien	DE
<ul style="list-style-type: none"> <li>Corpo: Alluminio</li> <li>Stelo: Acciaio</li> <li>Guarnizioni: NBR</li> </ul>		<ul style="list-style-type: none"> <li>Body: Anodized Aluminum</li> <li>Piston rod: Anodized Aluminum</li> <li>NBR seal</li> </ul>		<ul style="list-style-type: none"> <li>Körper: eloxierte Aluminium</li> <li>Kolbenstange: eloxierte Aluminium</li> <li>Dichtungen: NBR</li> </ul>	
Matériaux	FR	Materiales	ES	Materiais	PT
<ul style="list-style-type: none"> <li>Corps: d'aluminium anodisé</li> <li>Tige: alliage d'aluminium anodisé</li> <li>Joints NBR</li> </ul>		<ul style="list-style-type: none"> <li>Cuerpo: Aleación de aluminio anodizado</li> <li>Eje: Aleación de aluminio anodizado</li> <li>Juntas en NBR</li> </ul>		<ul style="list-style-type: none"> <li>Corpo: alumínio</li> <li>Haste: Aço</li> <li>Vedações: NBR</li> </ul>	



**Pressioni**

Pressures \_\_\_\_\_

Druckbereich \_\_\_\_\_

Pressions \_\_\_\_\_

Presiones \_\_\_\_\_

Pressões \_\_\_\_\_

Ø	10	16	20	25
bar	min	2		2,5
	max	7		7



**Temperature**

Temperatures \_\_\_\_\_

Temperatur \_\_\_\_\_

Températures \_\_\_\_\_

Temperaturas \_\_\_\_\_

Temperaturas \_\_\_\_\_

**-10 °C**  
**+ 60 °C**



**Fluidi compatibili**

Aria (Lubrificazione non necessaria).  
 Fluids  
 Air (Lubrication not necessary).  
 Geignete Medien  
 Luft (Schmierung nicht erforderlich).  
 Fluides compatibles  
 Air (Lubrification pas nécessaire).  
 Fluidos compatibles  
 Aire (Lubrificación no necesaria).  
 Fluidos compatíveis  
 Ar (Lubrificação não necessária).



**Alesaggi**

Bores \_\_\_\_\_

Durchmesser \_\_\_\_\_

Diamètres \_\_\_\_\_

Diámetros \_\_\_\_\_

Diâmetros \_\_\_\_\_

**10-16-20-25 mm**



**Ripetibilità**

Action tolerance \_\_\_\_\_

Wiederholgenauigkeit \_\_\_\_\_

Répétitivité \_\_\_\_\_

Repetibilidad \_\_\_\_\_

Repetibilidade \_\_\_\_\_

**± 0,01 mm**



**Frequenza massima d'esercizio**

Max. Operating frequency \_\_\_\_\_

Maximale Betriebsfrequenz \_\_\_\_\_

Fréquence d'utilisation maximum \_\_\_\_\_

Frecuencia máxima de ejercicio \_\_\_\_\_

Frequência máxima de trabalho \_\_\_\_\_

**180 c.p.m.**



∅	Gripping Force (5 bar)		Opening/Closing angle both sides (mm)	Weight excluding Sensor (g)
	Holding moment (effective value)			
	External Gripping Force (N)	Internal Gripping Force (N)		
10	11	17	4	39
16	34	45	6	91
20	42	66	10	180
25	65	104	14	311



**Tabella dei codici di ordinazione**

Ordering codes

Bestellschlüssel

Code de commande

Tabla de codificación para pedidos

Tabela de codificação para compra

SERIE	∅ mm
-------	------

**G R O 1 F**      **0 1 0**

- Doppio Effetto Magnetico 010
- Double Acting Magnetic 016
- Doppelwirkend Magnetisch 020
- Double Effet Magnétique 025
- Doble efecto magnético
- Dupla Ação Magnético



**Sensori consigliati**

Sensors recommended

Empfohlene Sensoren

Capteurs recommandés

Sensores recomendados

Sensores aconselhados



**Adattatore per sensore**

Sensor adapter

Sensor Adapter

Adaptateur pour capteur

Adaptador para sensor

Adaptador para sensor

- DC 03 PM8**    **DC 04 PM8**    **DC 05 PM8**
- DC 03 P2M**    **DC 04 P2M**    **DC 05 P2M**

**DC 10 001**



**Punto di presa esterna**

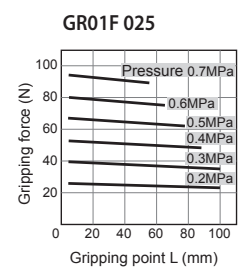
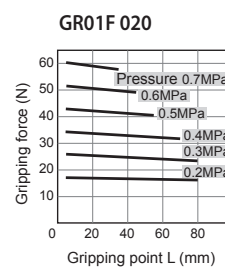
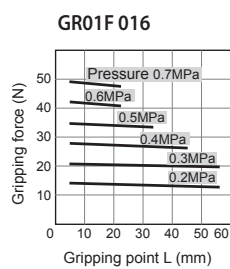
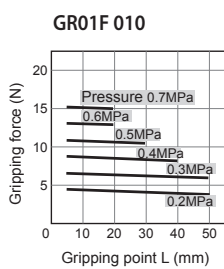
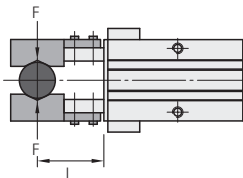
External Gripping point

Externer Greifpunkt

Force de préhension externe

Punto de agarre externo

Ponto de pega externo



**Punto di presa interna**

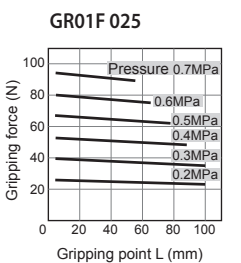
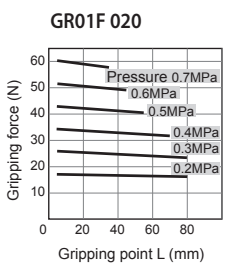
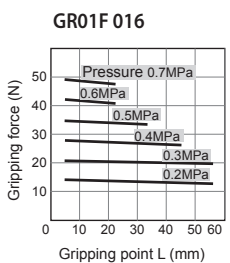
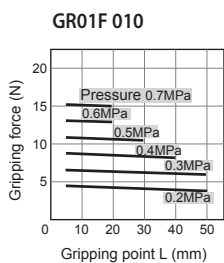
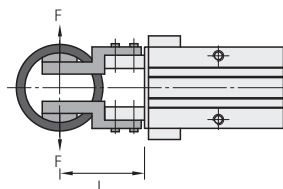
Internal Gripping point

Interner Greifpunkt

Force de préhension interne

Punto de agarre interno

Ponto de pega interno





**IT**

- La pinza automatica deve essere azionata in modo tale che il punto di presa del carico "L" e il totale del braccio "H" si trovino entro il campo indicato per ogni pressione d'esercizio riportata nei grafici.
- Se il punto di presa oltrepassa i limiti concessi, può compromettere la durata della pinza.

**GB**

- The air gripper should be operated so that the work piece gripping point "L" and the amount of overhang "H" stay within the range shown for each operating pressure given in the graphs to the right.
- If the work piece gripping point goes beyond the range limits, this will have an adverse effect on the life of the air gripper.

**DE**

- Der automatische Greifer muss so betrieben werden, dass der Greifpunkt der Last "L" und der ganze Arm "H" sich innerhalb des im Diagramm beschriebenen Druckbereichs befinden.
- Wenn der Greifpunkt über die Bereichsgrenzen geht, kann es die Haltbarkeit des Greifers beeinträchtigen.

**FR**

- La pince pneumatique doit être utilisée d'une manière telle que le point "L" et le total du bras "H" de sortie de charge soient dans la plage de valeurs indiquée pour chaque pression de fonctionnement donnée dans les graphiques.
- Sortie de cette plage de valeur, la durée de vie de la pince peut être affectée.

**ES**

- La pinza automática debe ser accionada en modo que el punto de agarre de la carga "L" y el total de brazo "H" de encuentren dentro del campo indicado para cada presión de ejercicio indicada en el gráfico.
- Si el punto de agarre supera los límites permitidos, puede poner el peligro la durabilidad de la pinza.

**PT**

- A garra deve ser aplicada de modo tal que o ponto de pega da carga "L" e o total do braço "H" se encontrem dentro dos limites indicados para cada pressão de trabalho e que são apresentados no gráfico ao lado.
- Se o ponto de pega estiver além dos limites apresentados, isto terá um efeito adverso na vida útil da garra.

**Punto di presa esterna**

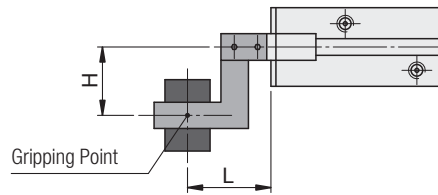
External Gripping point

Externer Greifpunkt

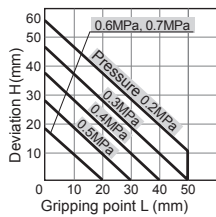
Force de préhension externe

Punto de agarre externo

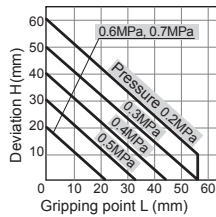
Ponto de pega externo



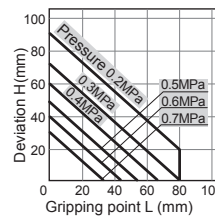
**GR01F 010**



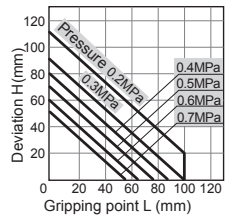
**GR01F 016**



**GR01F 020**



**GR01F 025**



**Punto di presa interna**

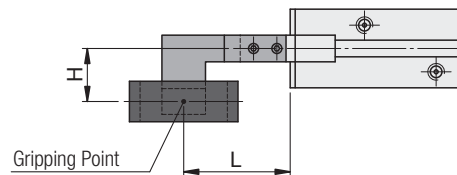
Internal Gripping point

Interner Greifpunkt

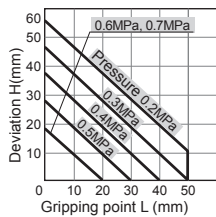
Force de préhension interne

Punto de agarre interno

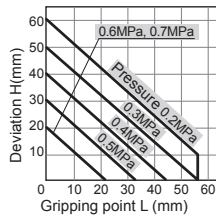
Ponto de pega interno



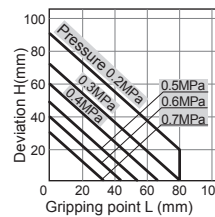
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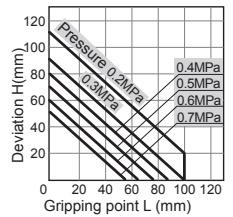
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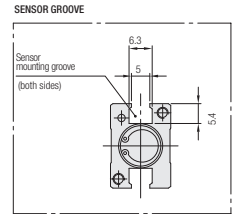
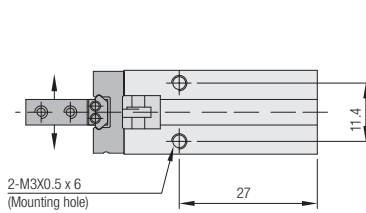
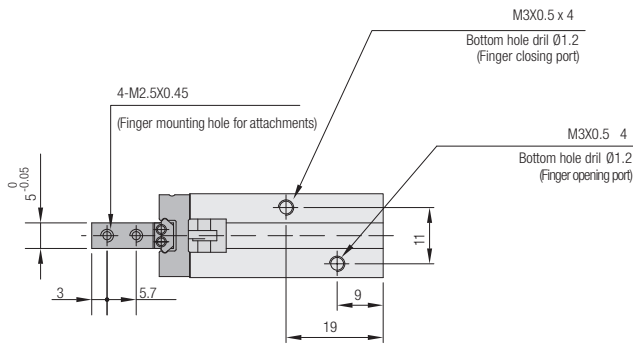
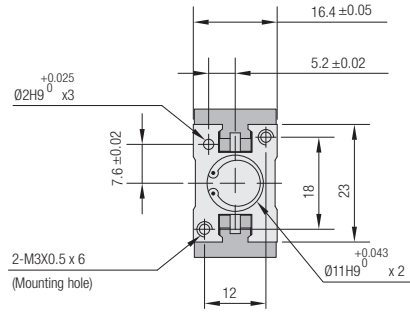
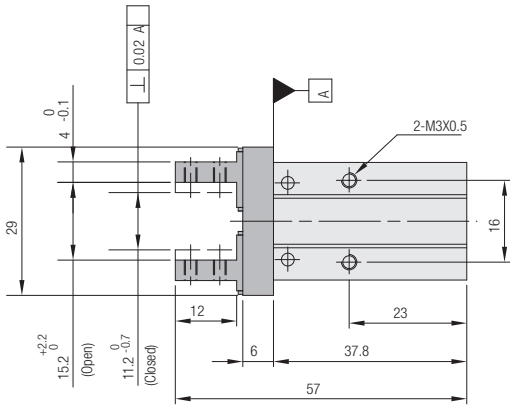
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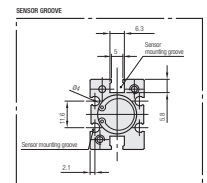
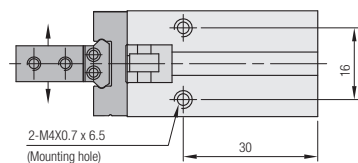
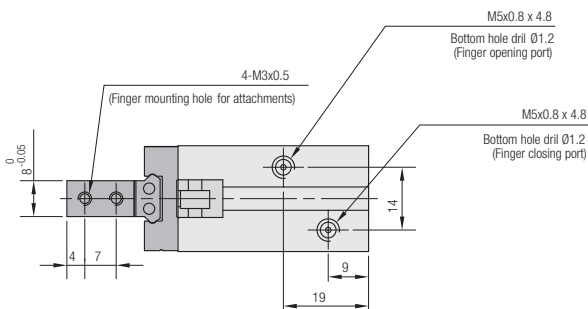
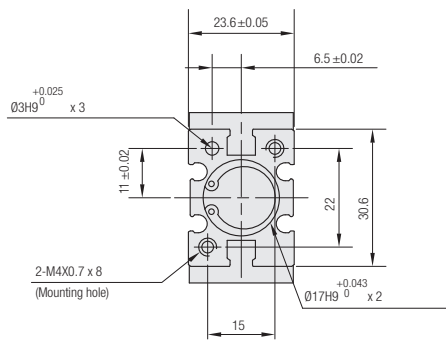
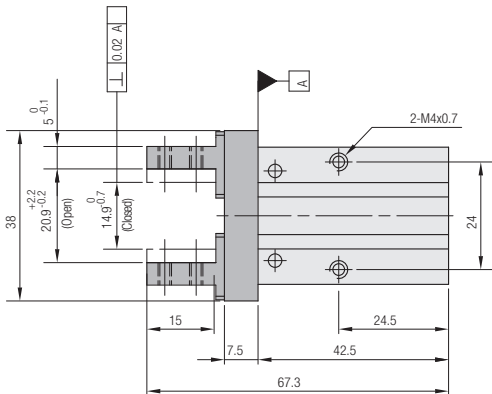
**GR01F 025**



**GR01F 010**

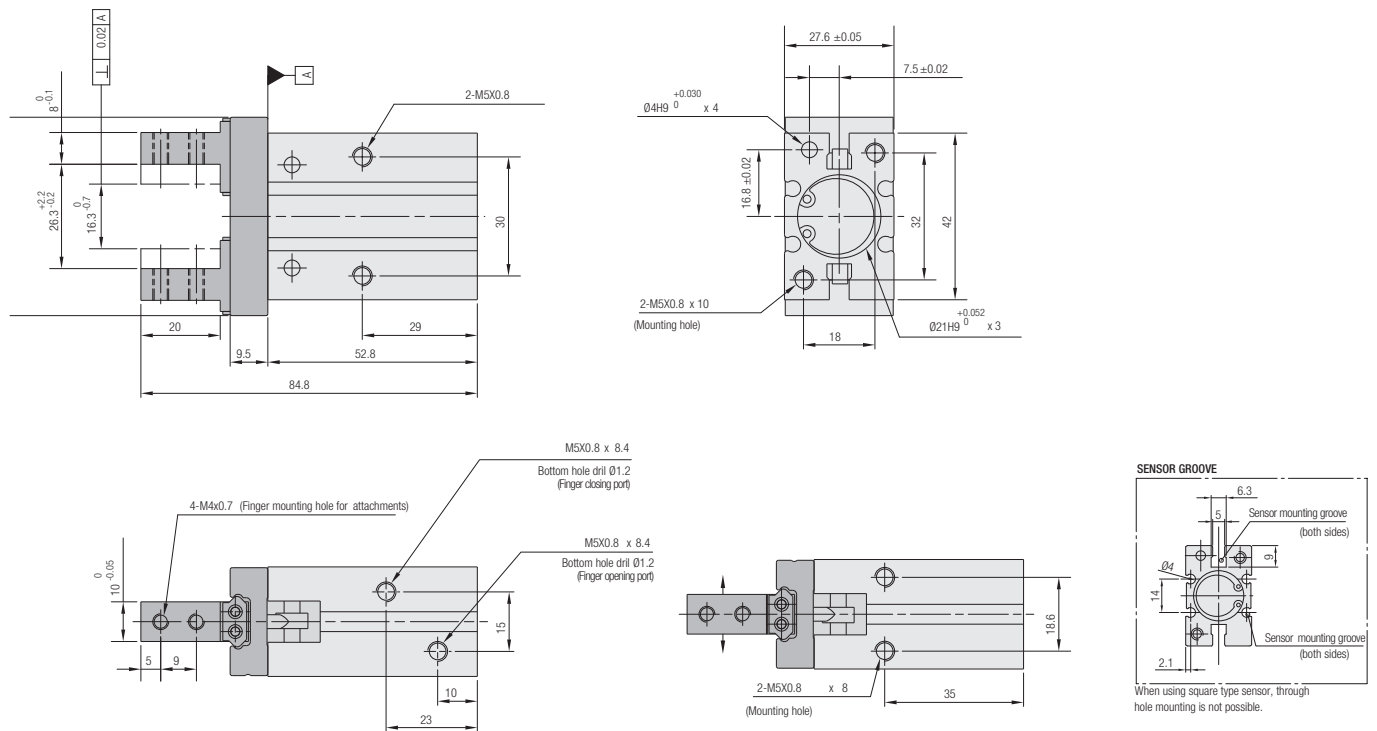


**GR01F 016**

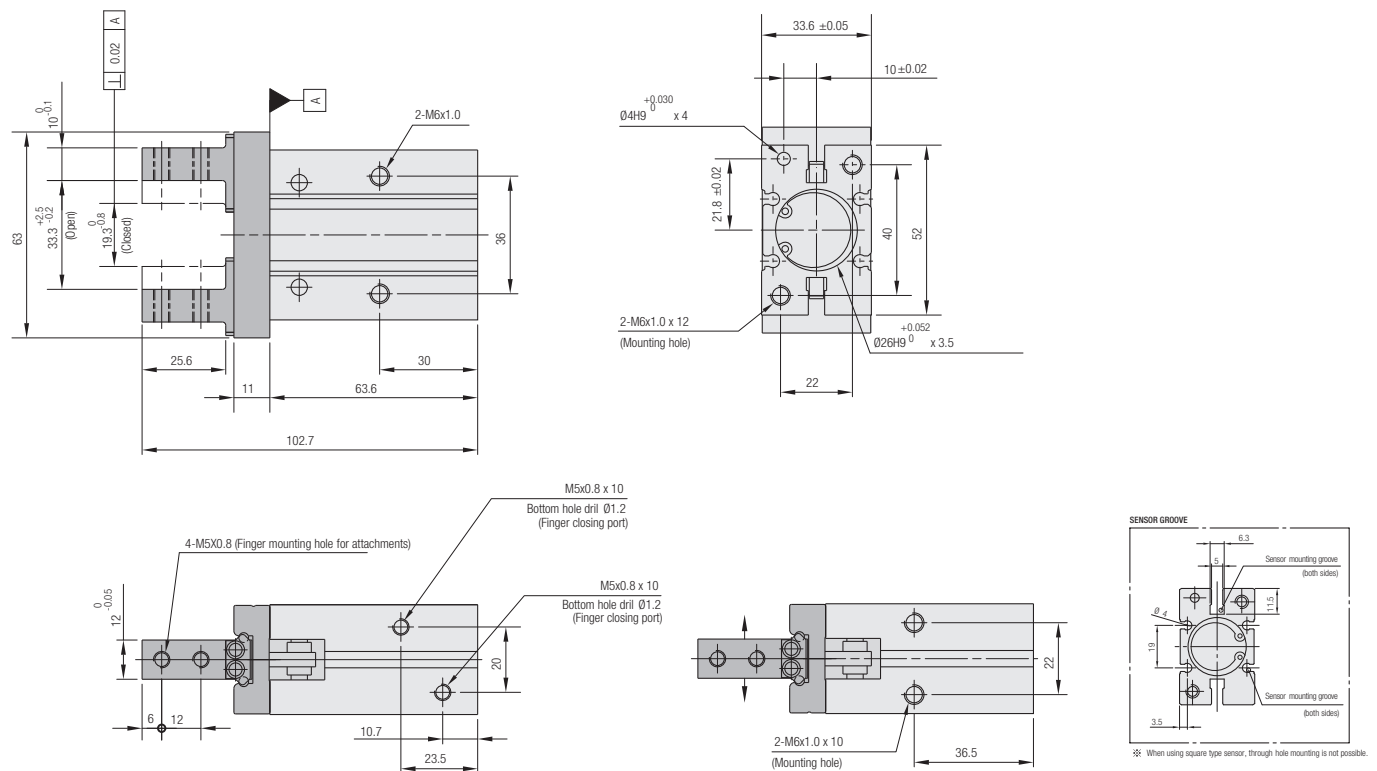


\*2: When using square type sensor, through hole mounting is not possible.

**GR01F 020**



**GR01F 025**



**SERIE GR02F - PINZE PNEUMATICHE LARGHE**

WIDE TYPE PNEUMATIC GRIPPER  
GROSSER PNEUMATISCHER GREIFER  
PINCE PNEUMATIQUE LARGE  
PINZA NEUMÁTICA LARGA  
GARRA PNEUMÁTICA LARGA

**CARATTERISTICHE TECNICHE**  
TECHNICAL CHARACTERISTICS  
TECHNISCHE ANGABEN  
CARACTÉRISTIQUES TECHNIQUES  
CARACTERÍSTICAS TÉCNICAS  
CARACTERÍSTICAS TÉCNICAS



1907/2006  
**REACH** ✓

2011/65/CE  
**RoHS** ✓

**SILICON FREE**

<b>Materiali</b> <ul style="list-style-type: none"> <li>Corpo: Alluminio</li> <li>Stelo: Acciaio</li> <li>Guarnizioni: NBR</li> </ul>	<b>IT</b>	<b>Materials</b> <ul style="list-style-type: none"> <li>Body: Aluminum</li> <li>Piston rod: Steel</li> <li>NBR seal</li> </ul>	<b>GB</b>	<b>Materialien</b> <ul style="list-style-type: none"> <li>Körper: Aluminiumlegierung</li> <li>Kolbenstange: Stahl</li> <li>Dichtung: NBR</li> </ul>	<b>DE</b>
<b>Matériaux</b> <ul style="list-style-type: none"> <li>Corps: aluminium</li> <li>Tige : Acier</li> <li>Joints: NBR</li> </ul>	<b>FR</b>	<b>Materiales</b> <ul style="list-style-type: none"> <li>Cuerpo: aluminio</li> <li>Eje: Haceró</li> <li>Juntas: NBR</li> </ul>	<b>ES</b>	<b>Materiais</b> <ul style="list-style-type: none"> <li>Corpo : alumínio</li> <li>Haste : Aço</li> <li>Vedações : NBR</li> </ul>	<b>PT</b>

**Bar** **Pressioni**

Pressures \_\_\_\_\_  
Druckbereich \_\_\_\_\_  
Pressions \_\_\_\_\_  
Presiones \_\_\_\_\_  
Pressões \_\_\_\_\_

Ø	10	16	20	25	32
bar	min	1,5		1	
	max	6		6	

**Temperature**

Temperatures \_\_\_\_\_  
Temperatur \_\_\_\_\_  
Températures \_\_\_\_\_  
Temperaturas \_\_\_\_\_  
Temperaturas \_\_\_\_\_

**-10 °C**  
**+ 60 °C**

**Fluidi compatibili**

Aria (Lubrificazione non necessaria).  
Air (Lubrication not necessary).  
Geignete Medien  
Luft (Schmierung nicht erforderlich).  
Fluides compatibles  
Air (Lubrification pas nécessaire).  
Fluidos compatibles  
Aire (Lubrificación no necesaria).  
Fluidos compatíveis  
Ar (Lubrificação não necessária).

**Ø** **Alesaggi**

Bores \_\_\_\_\_  
Durchmesser \_\_\_\_\_  
Diamètres \_\_\_\_\_  
Diámetros \_\_\_\_\_  
Diâmetros \_\_\_\_\_

**10-16-20-25-32 mm**

**Forza effettiva di presa a 5 bar**

Effective gripping force at 5 bar \_\_\_\_\_  
Effektive Greifkraft bei 5 bar \_\_\_\_\_  
Force de préhension effective à 5 bar \_\_\_\_\_  
Fuerza efectiva de agarre 5 bar \_\_\_\_\_  
Força efetiva de agarre a 5 bar \_\_\_\_\_

5 bar					
Ø	10	16	20	25	32
N	14	45	74	131	228



### Tolleranza di movimento

Action tolerance

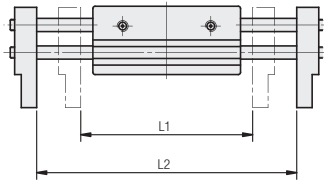
Bewegungstoleranz

Tolerancia de movimiento

Tolerância de movimento

Course

**± 0,2 mm**



Ø	Max operating frequency c.p.m	Opening/closing stroke (mm)	Width at closing (mm)	Width at opening (mm)	Weight (g)
		L2-L1	L1	L2	
10	60	20	56	76	280
16	60	30	68	98	585
20	60	40	82	122	1025
25	60	50	100	150	1690
32	30	70	150	220	2905



### Punto di presa

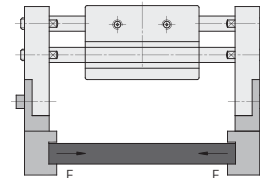
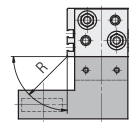
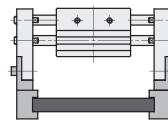
Gripping point

Greifpunkte

Point de préhension

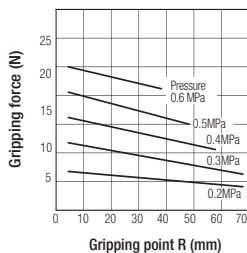
Punto de agarre

Ponto de pega

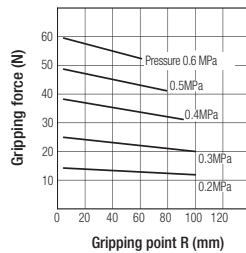


R : gripping point mm  
1N ≈ 0.102 kgf  
1MPa ≈ 10.2 kgf/cm<sup>2</sup>

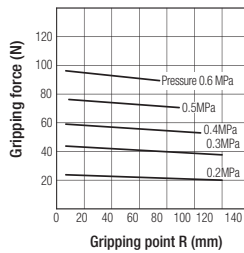
GR02F 010



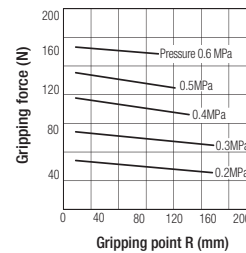
GR02F 016



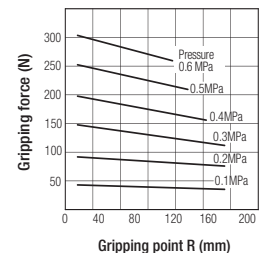
GR02F 020



GR02F 025



GR02F 032



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Tabela de codificação para compra

SERIE	Ø mm
-------	------

**G R 0 2 F 0 1 0**

Doppio Effetto Magnetico 010  
Double Acting Magnetic 016  
Doppeltwirkend Magnetisch 020  
Double Effet Magnétique 025  
Doble efecto magnético 032  
Dupla Ação Magnético



### Sensori consigliati

Sensors recommended

Empfohlene Sensoren

Capteurs recommandés

Sensores recomendados

Sensores aconselhados

DC 03 PM8 DC 04 PM8 DC 05 PM8  
DC 03 P2M DC 04 P2M DC 05 P2M



### Adattatore per sensore

Sensor adapter

Sensor Adapter

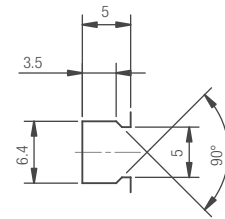
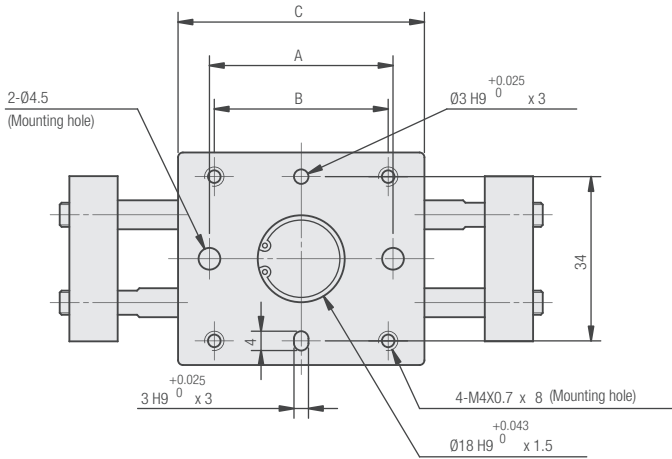
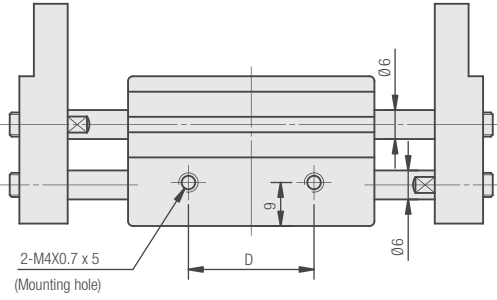
Adaptateur pour capteur

Adaptador para sensor

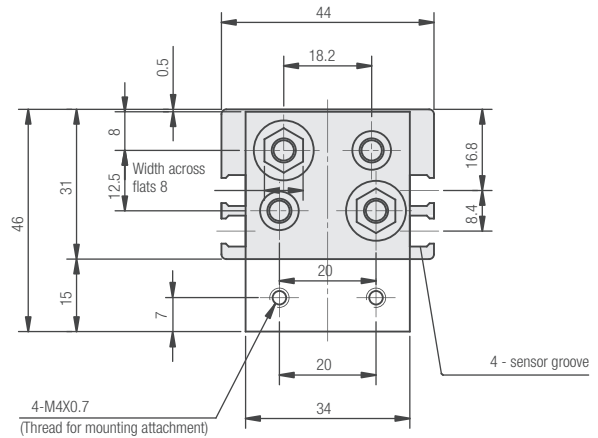
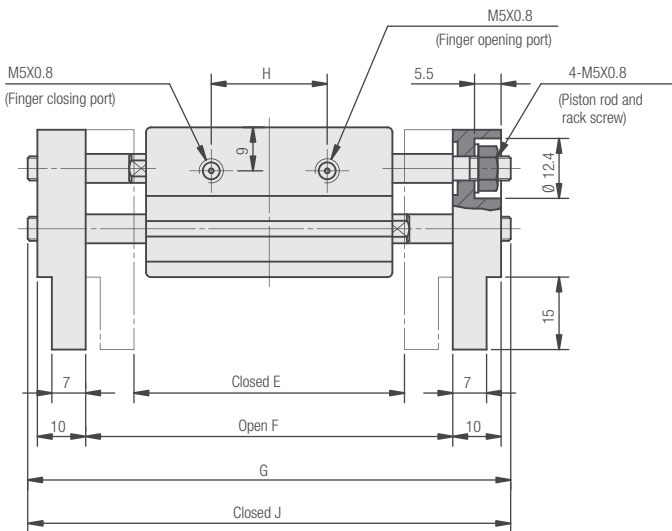
Adaptador para sensor

DC 10 001

**GR02F 010**

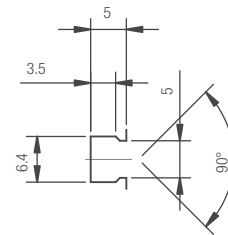
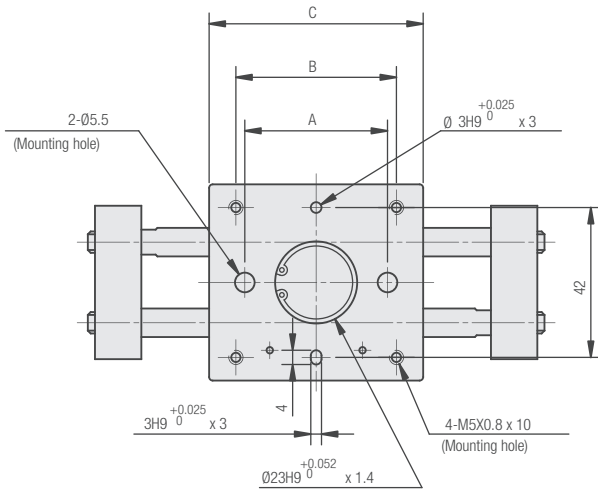
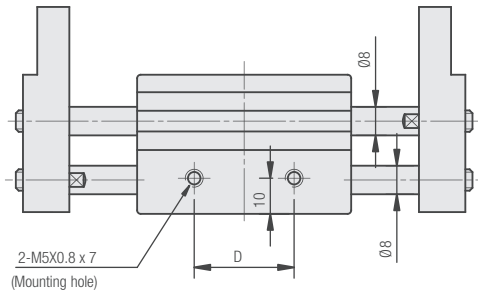


Sensor groove dimensions

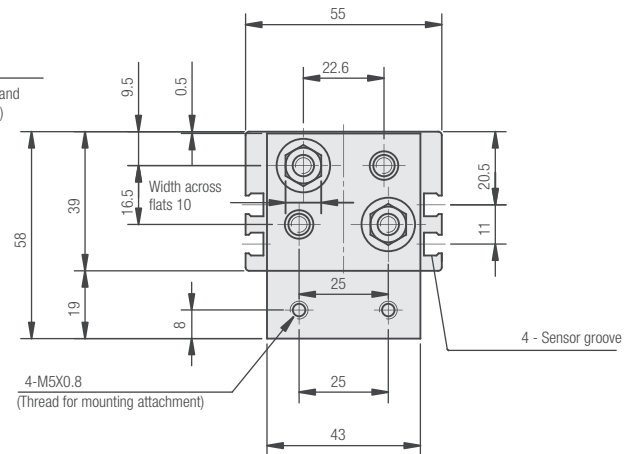
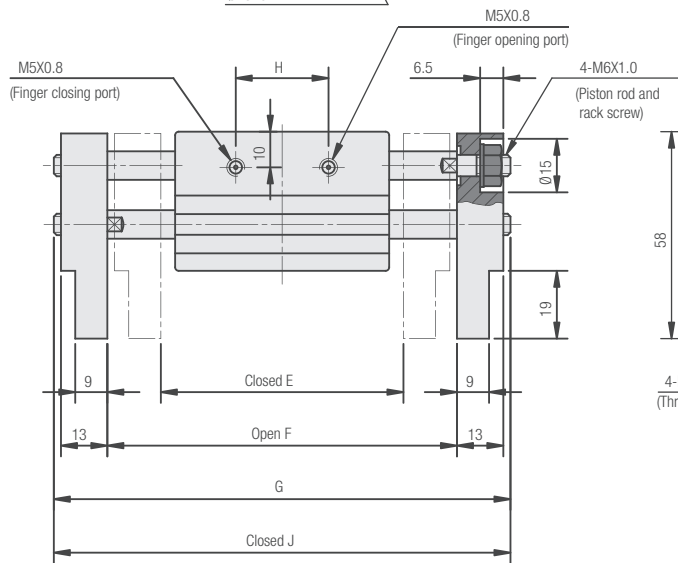


A	B	C	D	E	F	G	H	J
38	36	51	26	56	76	100	24	80

**GR02F 016**

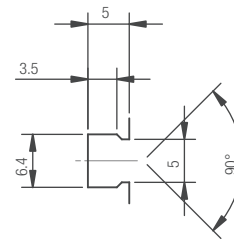
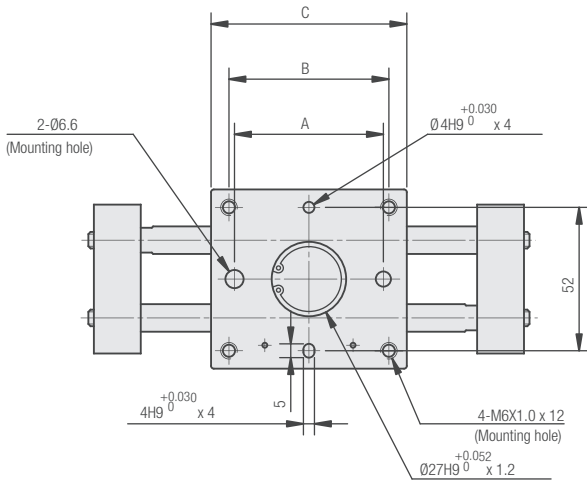
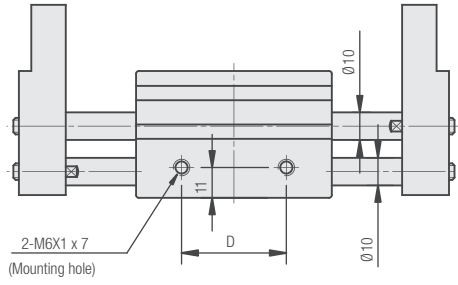


Sensor groove dimensions

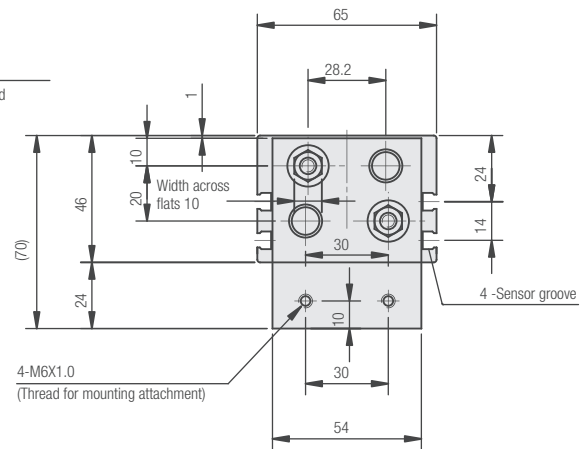
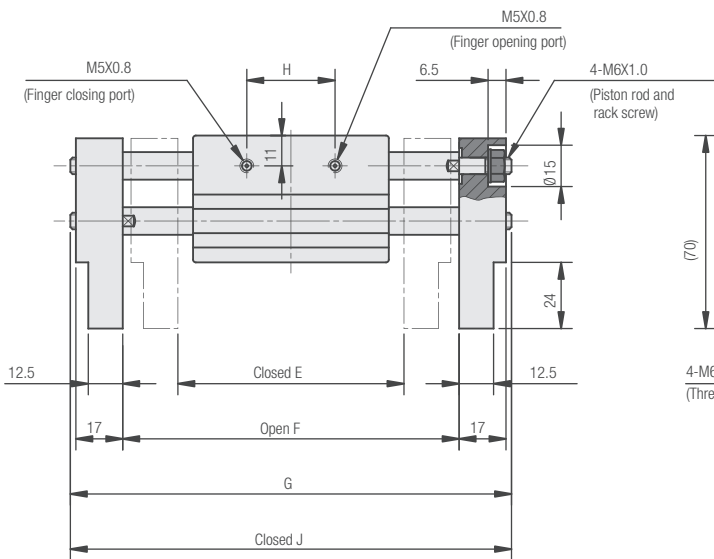


A	B	C	D	E	F	G	H	J
40	45	60	28	68	98	128	26	98

**GRO2F 020**

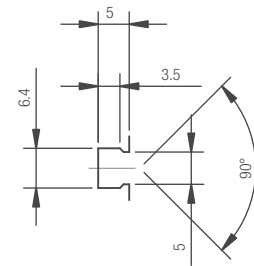
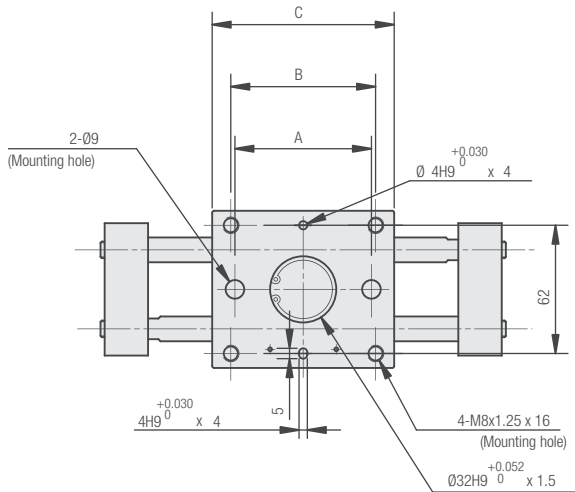
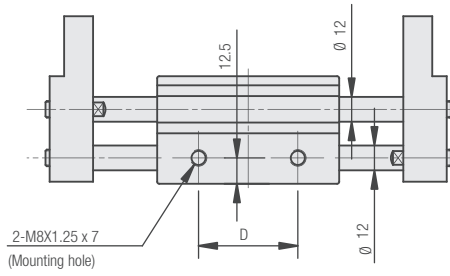


Sensor groove dimensions

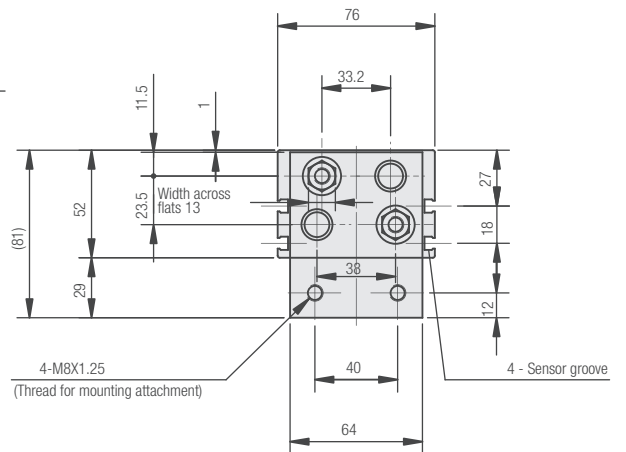
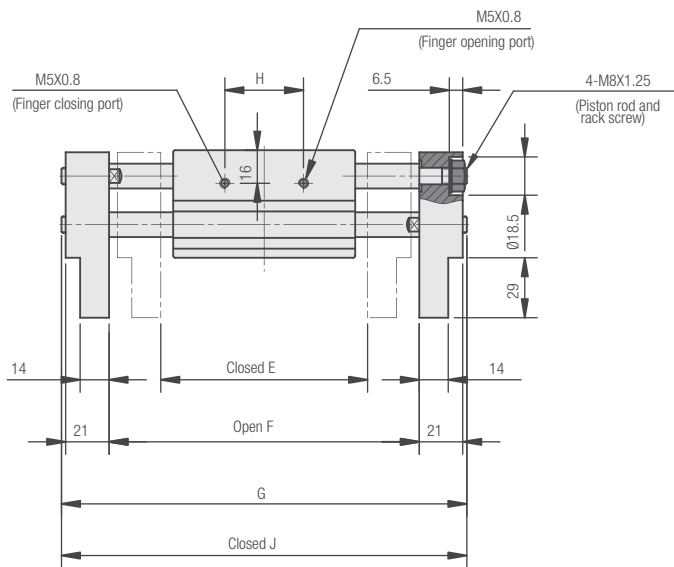


A	B	C	D	E	F	G	H	J
54	58	71	38	82	122	160	32	120

**GR02F 025**

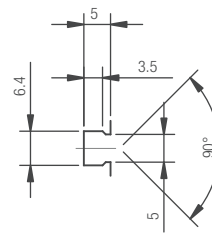
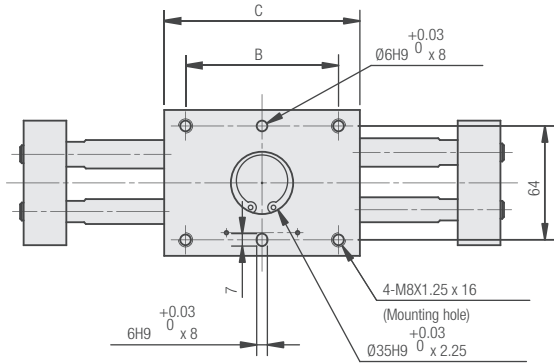
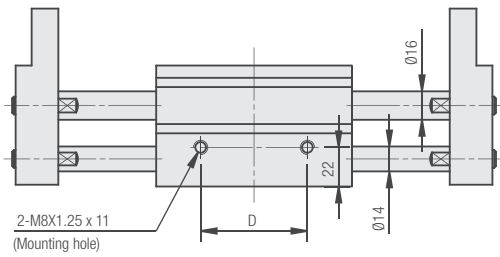


Sensor groove dimensions

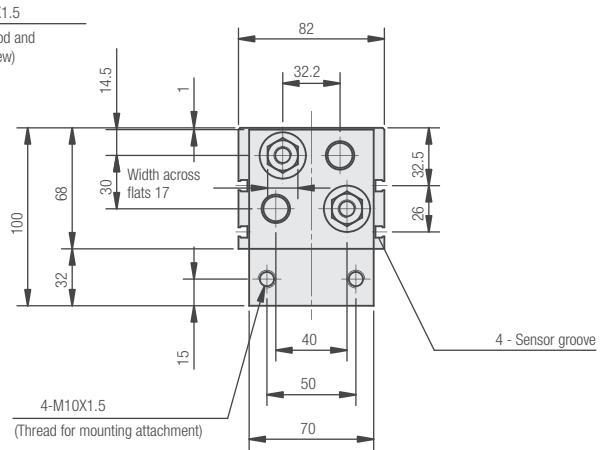
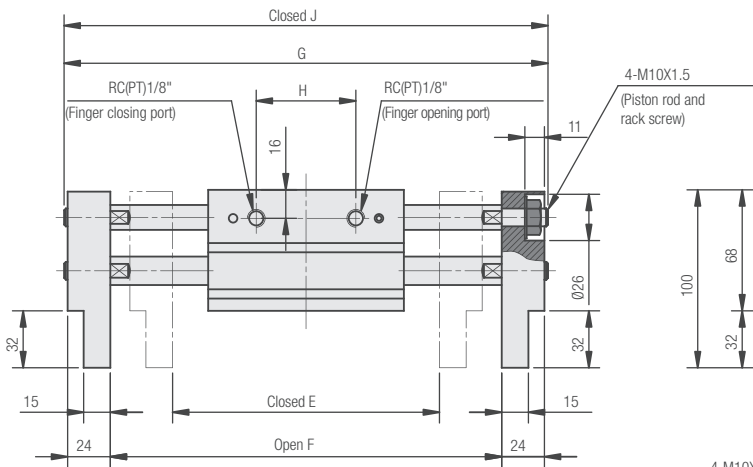


A	B	C	D	E	F	G	H	J
66	70	88	48	100	150	196	38	146

**GR02F 032**



Sensor groove dimensions



B	C	D	E	F	G	H	J
86	110	60	150	220	272	56	202

**SERIE GR03F - PINZE PNEUMATICHE AD APERTURA ANGOLARE**

PNEUMATIC ANGULAR GRIPPER  
 PNEUMATISCHER GREIFER MIT WINKELOEFFNUNG  
 PINCE PNEUMATIQUE A OUVERTURE ANGULAIRE  
 PINZA NEUMÁTICA DE APERTURA ANGULAR  
 GARRA PNEUMÁTICA DE ABERTURA ANGULAR



**CARATTERISTICHE TECNICHE**

TECHNICAL CHARACTERISTICS  
 TECHNISCHE ANGABEN  
 CARACTÉRISTIQUES TECHNIQUES  
 CARACTERÍSTICAS TÉCNICAS  
 CARACTERÍSTICAS TÉCNICAS



1907/2006  
**REACH** ✓

2011/65/CE  
**RoHS** ✓

SILICON  
 FREE

<b>Materiali</b> • Corpo: Alluminio • Stelo: Acciaio • Guarnizioni: NBR	<b>IT</b>	<b>Materials</b> • Body: Aluminum • Piston rod: Steel • NBR seal	<b>GB</b>	<b>Materialien</b> • Körper: Aluminiumlegierung • Kolbenstange: Stahl • Dichtung: NBR	<b>DE</b>
<b>Matériaux</b> • Corps: d'aluminium • Tige: Acier • Joints: NBR	<b>FR</b>	<b>Materiales</b> • Cuerpo: aluminio • Eje: Hacerro • Juntas: NBR	<b>ES</b>	<b>Materiais</b> • Corpo: alumínio • Haste: Aço • Vedações: NBR	<b>PT</b>



**Pressioni**

Pressures  
 Druckbereich  
 Pressions  
 Presiones  
 Pressões

**1 bar** (0.1 MPa)  
**6 bar** (0.6 MPa)



**Temperature**

Temperatures  
 Temperatur  
 Températures  
 Temperaturas  
 Temperaturas

**-10 °C**  
**+ 60 °C**



**Fluidi compatibili**

Aria (Lubrificazione non necessaria).

Fluids  
 Air (Lubrication not necessary).

Geignete Medien  
 Luft (Schmierung nicht erforderlich).

Fluides compatibles  
 Air (Lubrification pas nécessaire).

Fluidos compatibles  
 Aire (Lubrificación no necesaria).

Fluidos compatíveis  
 Ar (Lubrificação não necessária).



**Alesaggi**

Bores  
 Durchmesser  
 Diamètres  
 Diámetros  
 Diâmetros

**10-16-20-25 mm**



**Ripetibilità**

Action tolerance  
 Wiederholgenauigkeit  
 Répétitivité  
 Repetibilidad  
 Repetibilidade

**± 0,01 mm**



**Frequenza massima di esercizio**

Max. Operating frequency  
 Maximale Betriebsfrequenz  
 Fréquence d'utilisation maximum  
 Frecuencia máxima de ejercicio  
 Frequência máxima de trabalho

**180 c.p.m.**

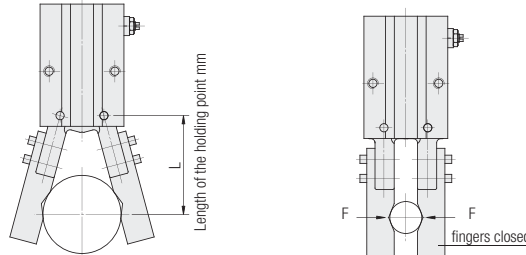


Code	Ø	Coppia di presa	Angolo di apertura/chiusura	Peso
		Gripping torque Greifmoment Couple de préhension Par de agarre Torque de prensão	Opening/Closing angle Oeffnungs-/Schliesswinkel Angle d'ouverture/fermeture Angulo de apertura/cierre Ângulo de abertur /fechamento	
GR03F 010	10	1,0 N·m	30° ± -10°	39
GR03F 016	16	4,0 N·m		91
GR03F 020	20	7,1 N·m		180
GR03F 025	25	13,9 N·m		311



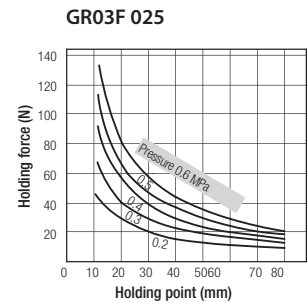
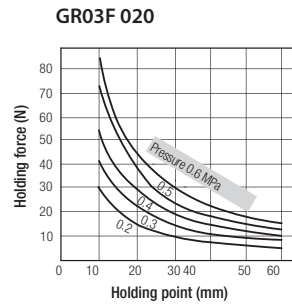
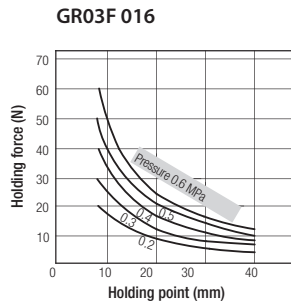
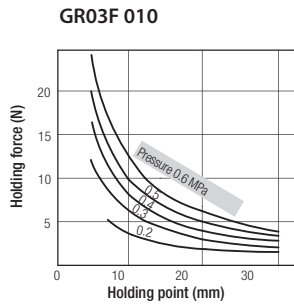
**Punto di presa**

- Holding point
- Greifmoment
- Point de préhension
- Punto de agarre
- Ponto de pega



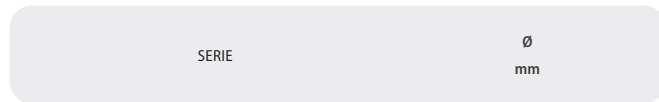
**Forza effettiva di presa**

- Effective holding force
- Effektive Greifkraft
- Force de préhension effective
- Fuerza efectiva de agarre
- Força efetiva de agarre



**Tabella dei codici di ordinazione**

- Ordering codes
- Bestellschlüssel
- Code de commande
- Tabla de codificación para pedidos
- Tabela de codificação para compra



**G R 0 3 F 0 1 0**

Doppio Effetto Magnetico  
Double Acting Magnetic  
Doppeltwirkend Magnetisch  
Double Effet Magnétique  
Doble efecto magnético  
Dupla Ação Magnético

010  
016  
020  
025



**Sensori consigliati**

- Sensors recommended
- Empfohlene Sensoren
- Capteurs recommandés
- Sensores recomendados
- Sensores aconselhados

DC 03 PM8 DC 04 PM8 DC 05 PM8  
DC 03 P2M DC 04 P2M DC 05 P2M

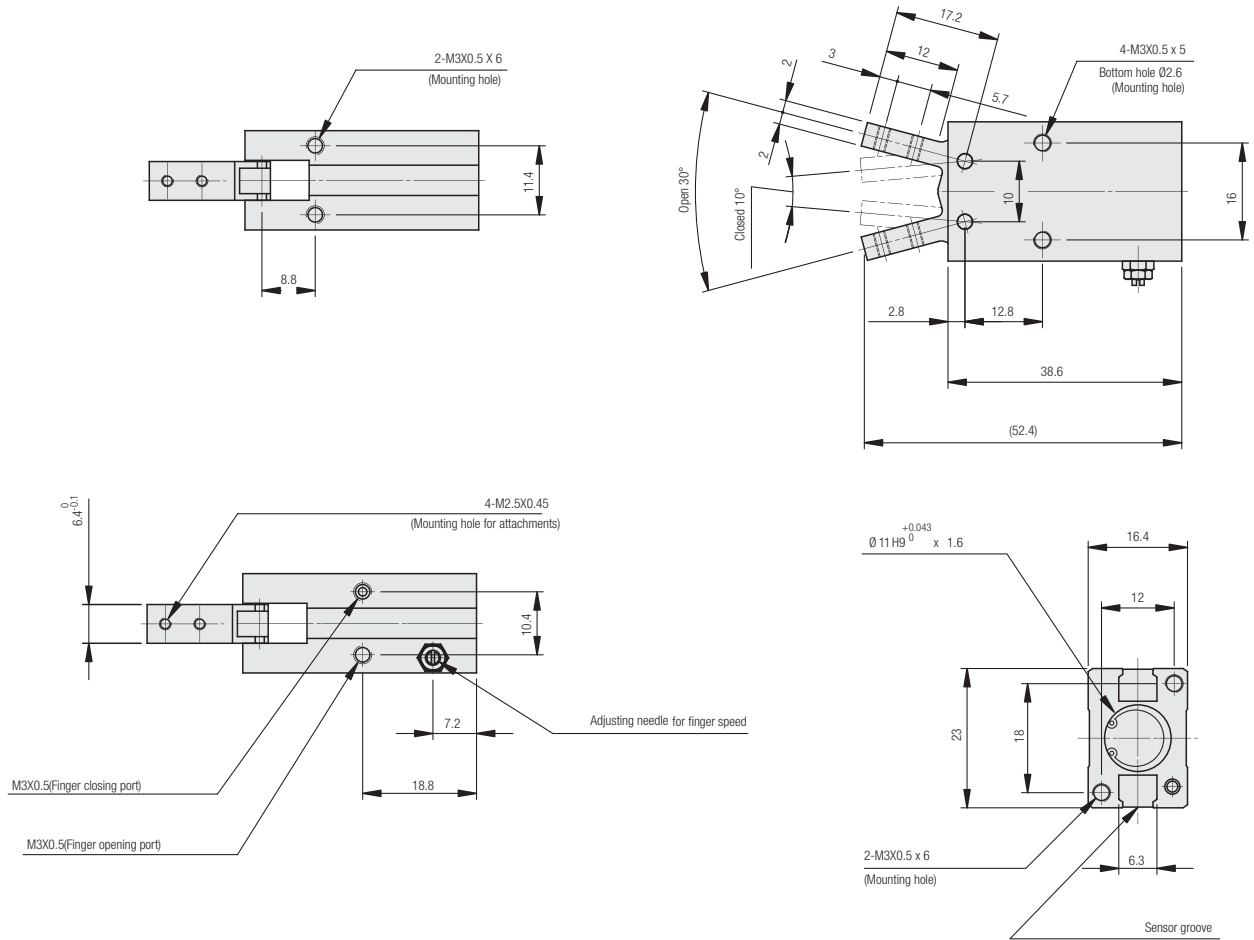


**Adattatore per sensore**

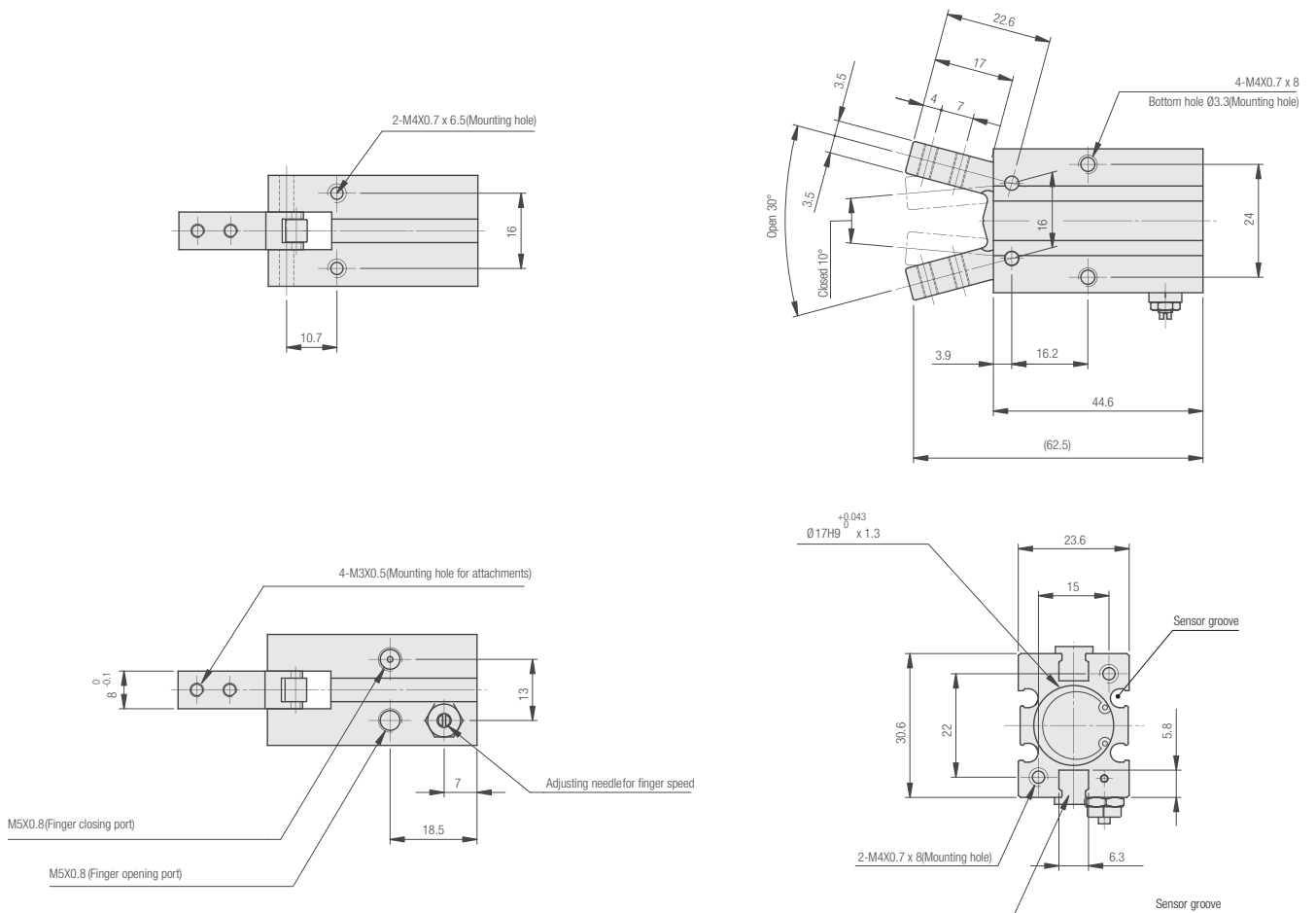
- Sensor adapter
- Sensor Adapter
- Adaptateur pour capteur
- Adaptador para sensor
- Adaptador para sensor

DC 10 001

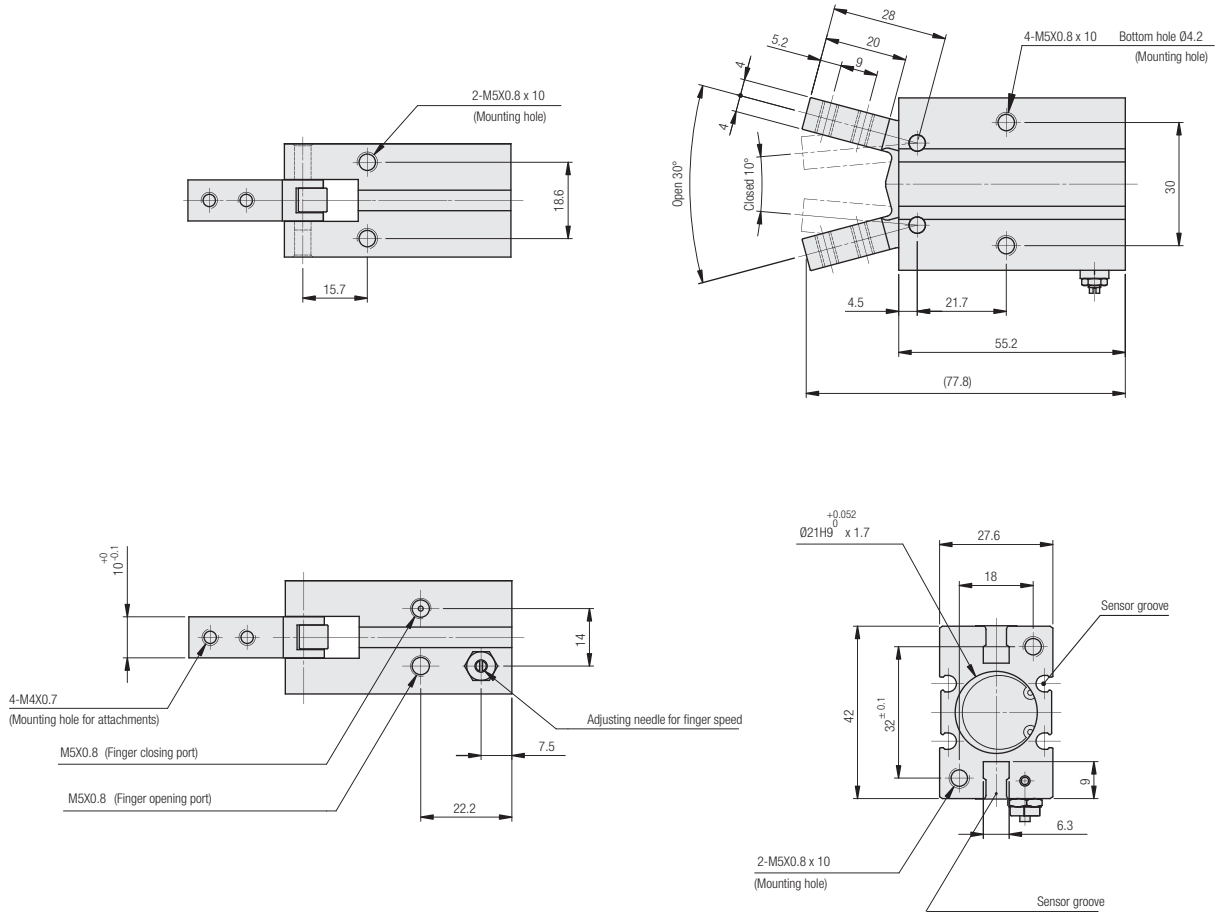
**GR03F 010**



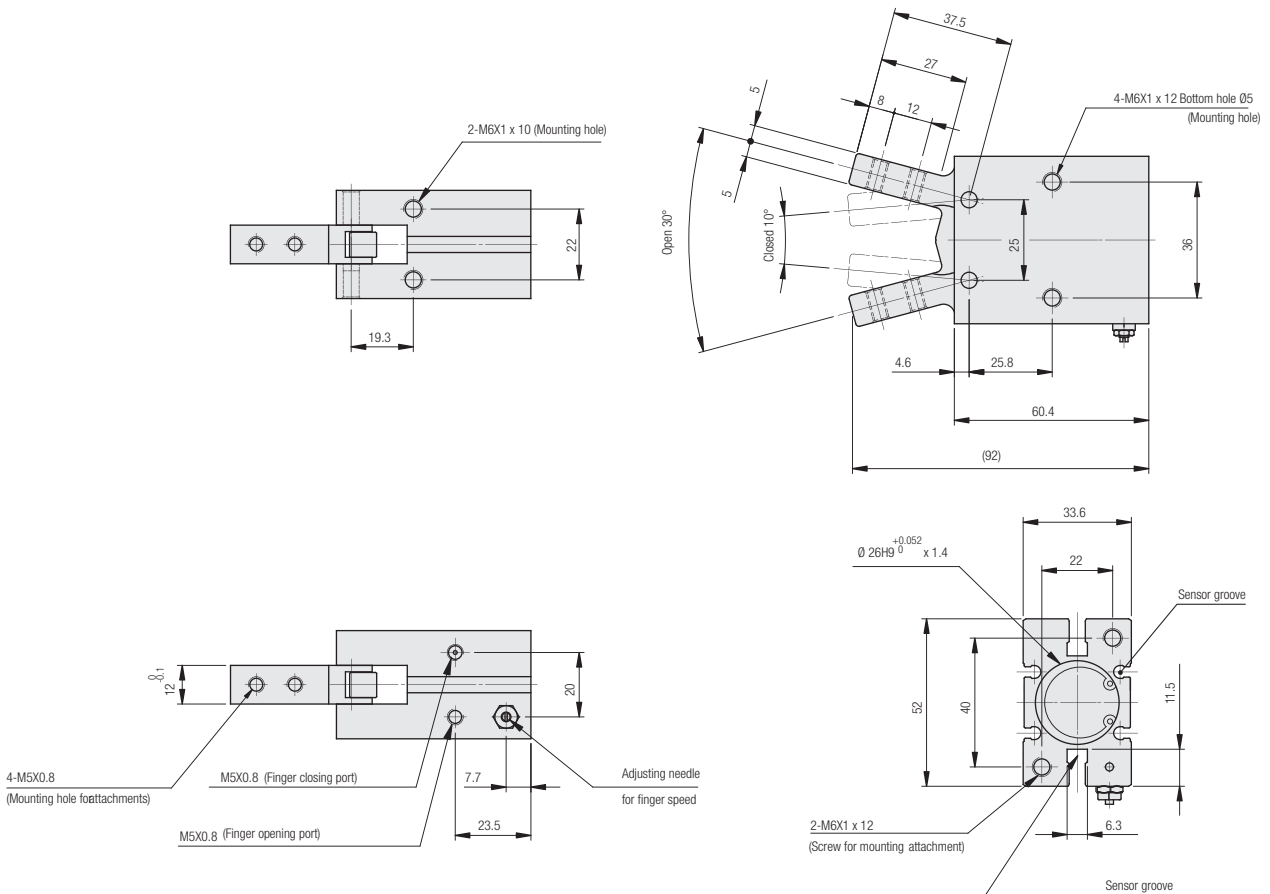
**GR03F 016**



**GR03F 020**



**GR03F 025**



**SERIE GR04F - PINZE PNEUMATICHE AD APERTURA ANGOLARE 180°**

PNEUMATIC 180° ANGULAR GRIPPER  
 PNEUMATISCHER GREIFER MIT WINKELÖFFNUNG 180°  
 PINCE PNEUMATIQUE A OUVERTURE ANGULAIRE 180°  
 PINZA NEUMÁTICA DE APERTURA ANGULAR 180°  
 GARRA PNEUMÁTICA DE ABERTURA ANGULAR 180°



**CARATTERISTICHE TECNICHE**

TECHNICAL CHARACTERISTICS  
 TECHNISCHE ANGABEN  
 CARACTÉRISTIQUES TECHNIQUES  
 CARACTERÍSTICAS TÉCNICAS  
 CARACTERÍSTICAS TÉCNICAS



1907/2006  
**REACH** ✓  
 2011/65/CE  
**ROHS** ✓  
**SILICON FREE**



Materiali	IT	Materials	GB	Materialien	DE
<ul style="list-style-type: none"> <li>Corpo: Alluminio</li> <li>Guarnizioni: NBR</li> <li>Dita: Acciaio Sinterizzato</li> </ul>		<ul style="list-style-type: none"> <li>Body: Aluminum</li> <li>NBR seal</li> <li>Finger: Sintered alloy steel</li> </ul>		<ul style="list-style-type: none"> <li>Körper: Aluminiumlegierung</li> <li>Dichtung: NBR</li> <li>Finger: gesinterter Stahl</li> </ul>	
Matériaux	FR	Materiales	ES	Materials	PT
<ul style="list-style-type: none"> <li>Corps: d'aluminium</li> <li>Joints: NBR</li> <li>Doigt : acier traité</li> </ul>		<ul style="list-style-type: none"> <li>Cuerpo: aluminio</li> <li>Juntas: NBR</li> <li>Dedo: Acero sinterizado</li> </ul>		<ul style="list-style-type: none"> <li>Corpo: alumínio</li> <li>Vedações : NBR</li> <li>Finger : Liga de aço sinterizado</li> </ul>	



**Pressioni**

Pressures  
 Druckbereich  
 Pressions  
 Presiones  
 Pressões

**1 bar** (0.1 MPa)

**6 bar** (0.6 MPa)



**Temperature**

Temperatures  
 Temperatur  
 Températures  
 Temperaturas  
 Temperaturas

**-10 °C**

**+ 60 °C**



**Fluidi compatibili**

Aria (Lubrificazione non necessaria).

Fluids

Air (Lubrication not necessary).

Geignete Medien

Luft (Schmierung nicht erforderlich).

Fluides compatibles

Air (Lubrification pas nécessaire).

Fluidos compatibles

Aire (Lubrificación no necesaria).

Fluidos compatíveis

Ar (Lubrificação não necessária).



**Alesaggi**

Bores  
 Durchmesser  
 Diamètres  
 Diámetros  
 Diâmetros

**10-16-20-25 mm**



**Ripetibilità**

Action tolerance  
 Wiederholgenauigkeit  
 Répétitivité  
 Repetibilidad  
 Repetibilidade

**± 0,2 mm**



**Frequenza massima d'esercizio**

Max. Operating frequency  
 Maximale Betriebsfrequenz  
 Fréquence d'utilisation maximum  
 Frecuencia máxima de ejercicio  
 Frequência máxima de trabalho

**60 c.p.m.**



**Peso della pinza**

Gripper Weight

Gewicht Greifer

Poids de la pince

Peso de la pinza

Peso da garra

Ø mm	10	16	20	25
gr	68	146	310	545



**Angolo di apertura/chiusura**

Opening/Closing angle

Oeffnungs- /Schliesswinkel

Angle d'ouverture/fermeture

Ángulo de apertura/cierre

Ângulo de abertura/fechamento

Opening side	Closing side
178° + 180°	-3°



**Coppia di presa a 5 bar**

Gripping torque at 5 bar

Greifmoment bei 5 bar

Couple de serrage à 5 bar

Par de agarre a 5 bar

Torque de preensão a 5 bar

Ø mm	5 bar			
	10	16	20	25
N	0,16	0,54	1,10	2,28



**Punto di presa**

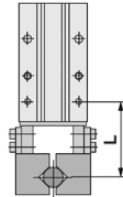
Holding point

Greifmoment

Moment de préhension

Punto de agarre

Ponto de pega



**Forza effettiva di presa**

Effective gripping force

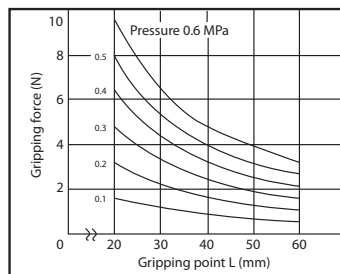
Effektive Greifkraft

Force de préhension effective

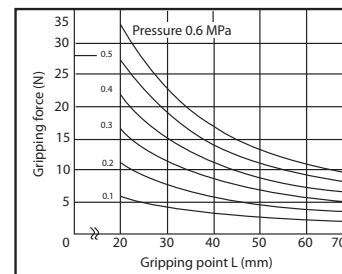
Fuerza efectiva de agarre

Força efetiva de agarre

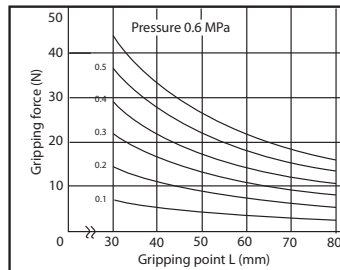
**GR04F 010**



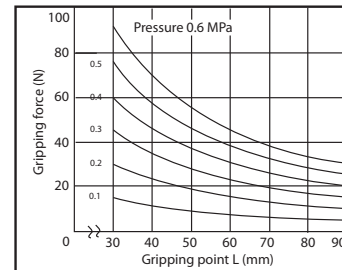
**GR04F 016**



**GR04F 020**



**GR04F 025**



**Tabella dei codici di ordinazione**

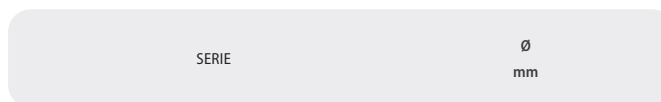
Ordering codes

Bestellschlüssel

Code de commande

Tabla de codificación para pedidos

Tabela de codificação para compra



**G R O 4 F 0 1 0**

Doppio Effetto Magnetico  
Double Acting Magnetic  
Doppeltwirkend Magnetisch  
Double Effet Magnétique  
Doble efecto magnético  
Dupla Ação Magnético

010  
016  
020  
025



**Sensori consigliati**

Sensors recommended

Empfohlene Sensoren

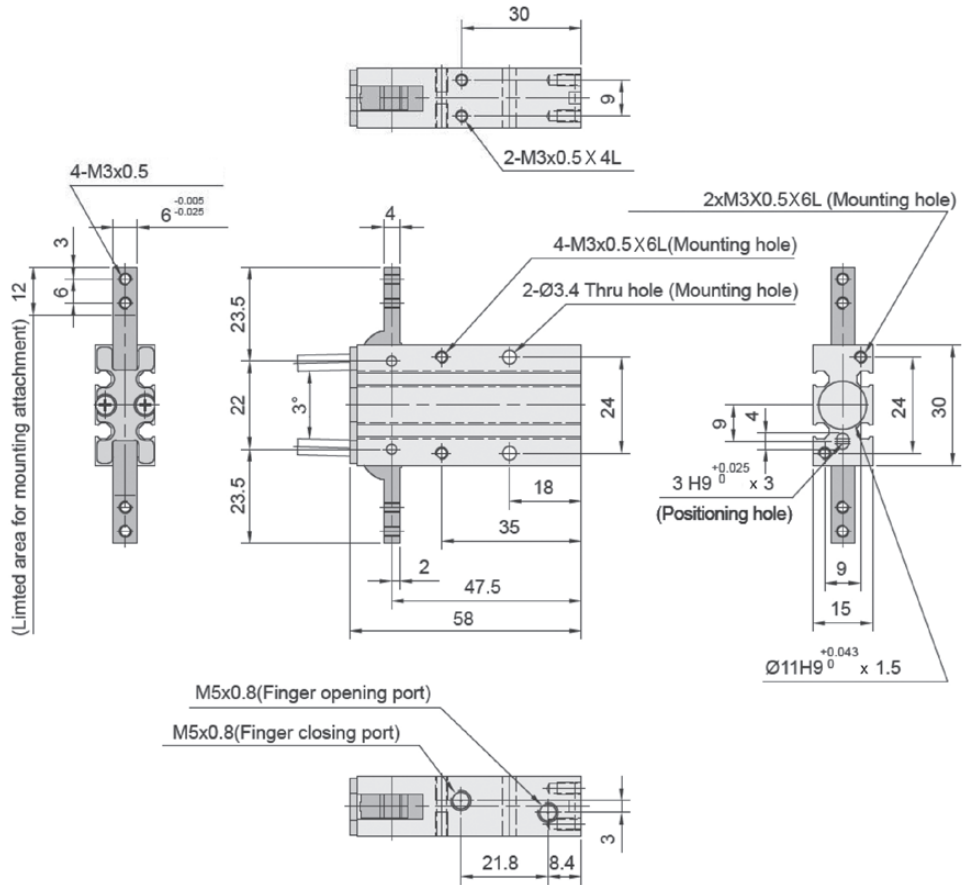
Capteurs recommandés

Sensores recomendados

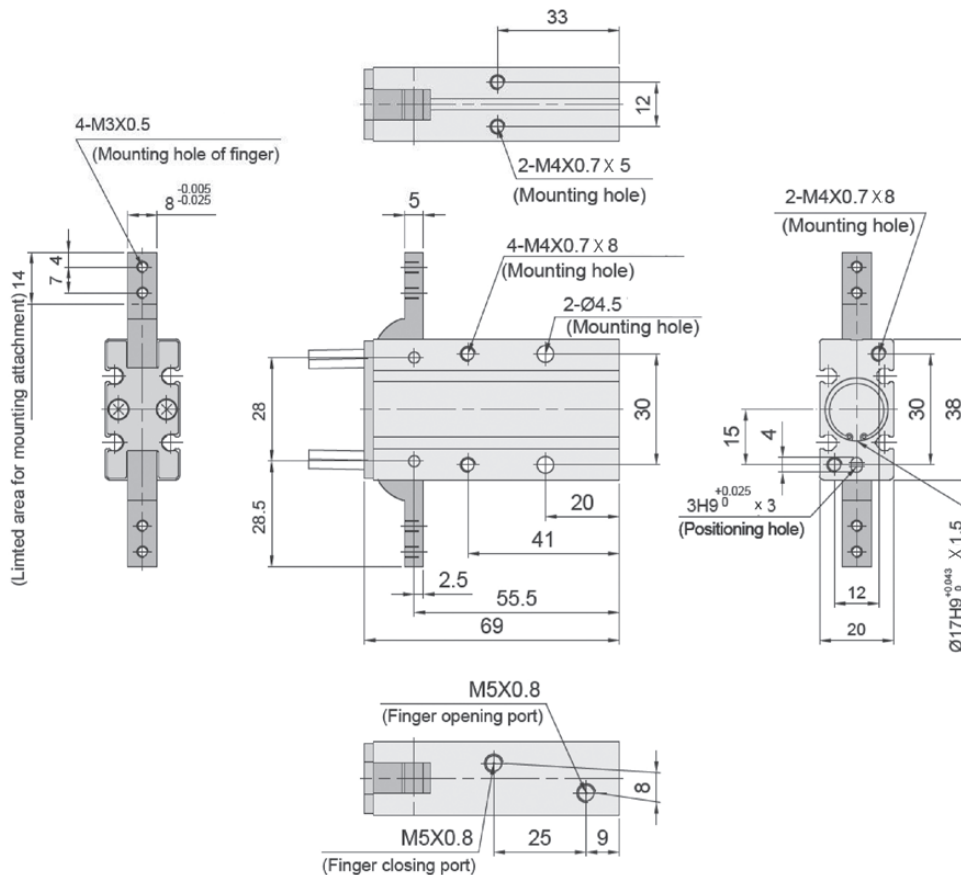
Sensores aconselhados

**DC 02 PM8 DC 03 PM8 DC 04 PM8 DC 05 PM8**  
**DC 02 P2M DC 03 P2M DC 04 P2M DC 05 P2M**

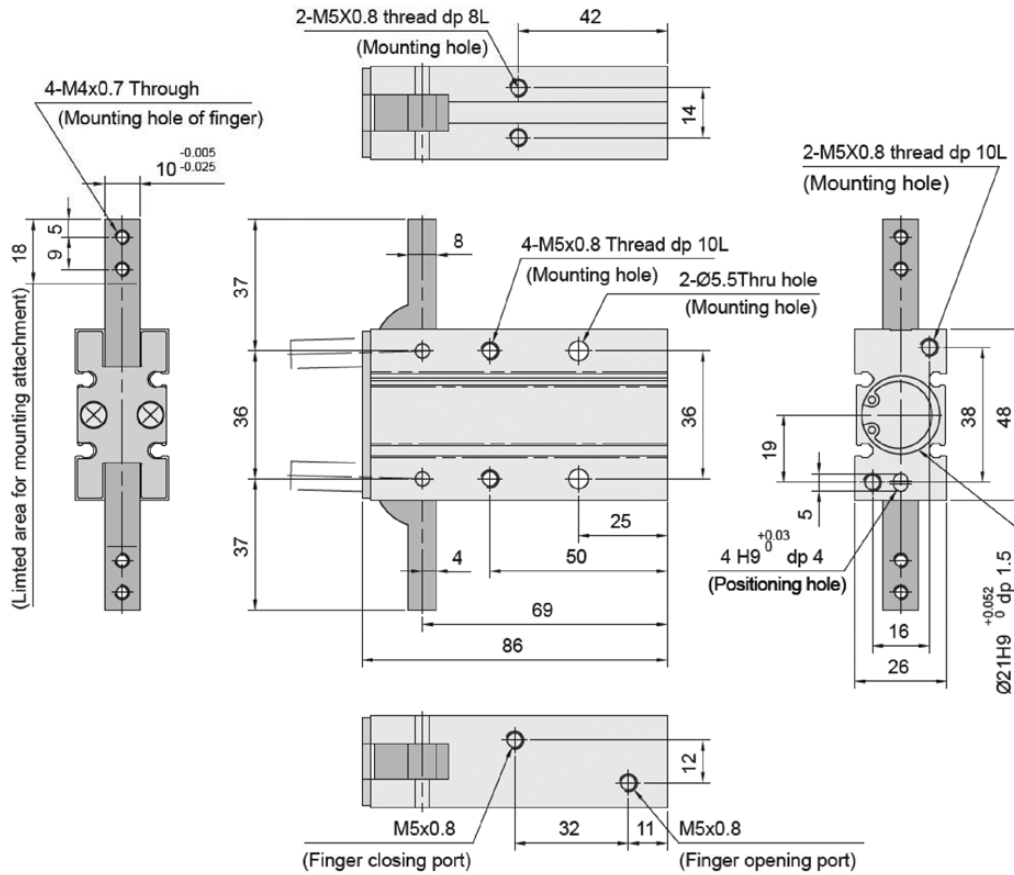
**GR04F 010**



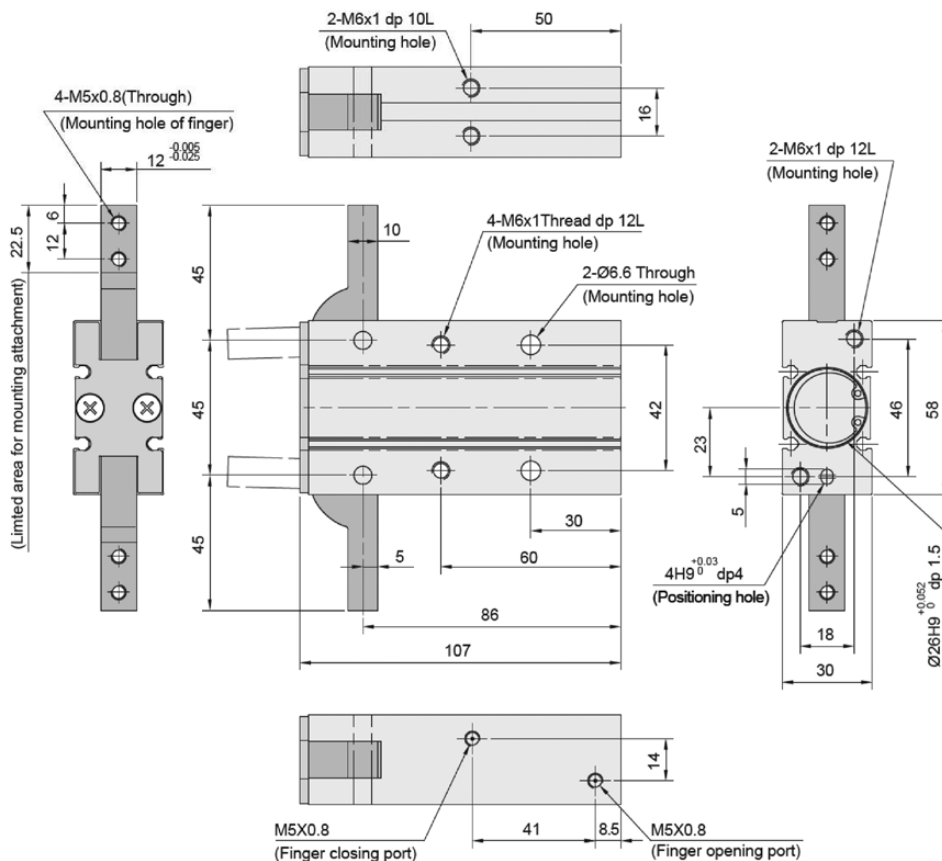
**GR04F 016**



**GR04F 020**



**GR04F 025**

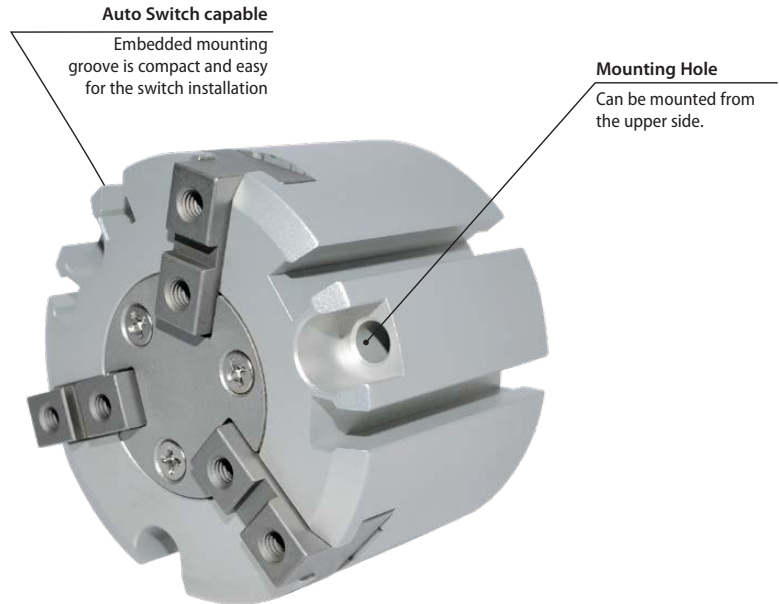


**SERIE GR05F - PINZE PNEUMATICHE 3 GRIFFE**

PNEUMATIC 3 FINGERS GRIPPER  
 PNEUMATISCHER GREIFER MIT 3 BACKEN  
 PINCE PNEUMATIQUE A 3 DOIGTS  
 PINZA NEUMÁTICA DE 3 DEDOS  
 GARRA PNEUMÁTICA DE 3 DEDOS



**CARATTERISTICHE TECNICHE**  
 TECHNICAL CHARACTERISTICS  
 TECHNISCHE ANGABEN  
 CARACTÉRISTIQUES TECHNIQUES  
 CARACTERÍSTICAS TÉCNICAS  
 CARACTERÍSTICAS TÉCNICAS



1907/2006  
**REACH** ✓

2011/65/CE  
**RoHS** ✓

**SILICON FREE**

<p><b>Materiali</b> <b>IT</b></p> <ul style="list-style-type: none"> <li>Corpo: Alluminio</li> <li>Stelo: Acciaio</li> <li>Guarnizioni: NBR</li> </ul>	<p><b>Materials</b> <b>GB</b></p> <ul style="list-style-type: none"> <li>Body: Aluminum</li> <li>Piston rod: Steel</li> <li>NBR seal</li> </ul>	<p><b>Materialien</b> <b>DE</b></p> <ul style="list-style-type: none"> <li>Körper: Aluminiumlegierung</li> <li>Kolbenstange: Stahl</li> <li>Dichtung: NBR</li> </ul>
<p><b>Matériaux</b> <b>FR</b></p> <ul style="list-style-type: none"> <li>Corps: d'aluminium</li> <li>Tige: Acier</li> <li>Joints: NBR</li> </ul>	<p><b>Materiales</b> <b>ES</b></p> <ul style="list-style-type: none"> <li>Cuerpo: aluminio</li> <li>Eje: Acero</li> <li>Juntas: NBR</li> </ul>	<p><b>Materiais</b> <b>PT</b></p> <ul style="list-style-type: none"> <li>Corpo: alumínio</li> <li>Haste: Aço</li> <li>Vedações: NBR</li> </ul>



**Pressioni**  
 Pressures  
 Druckbereich  
 Pressions  
 Presiones  
 Pressões

**Ø 25**      **Ø 32 ÷ 63**  
**2 bar** (0.2 MPa)    **1 bar** (0.1 MPa)  
**6 bar** (0.6 MPa)    **6 bar** (0.6 MPa)



**Temperature**  
 Temperatures  
 Temperatur  
 Températures  
 Temperaturas  
 Temperaturas

**-10 °C**  
**+ 60 °C**



**Fluidi compatibili**  
 Aria (Lubrificazione non necessaria).  
**Fluids**  
 Air (Lubrication not necessary).  
**Geignete Medien**  
 Luft (Schmierung nicht erforderlich).  
**Fluides compatibles**  
 Air (Lubrification pas nécessaire).  
**Fluidos compatibles**  
 Aire (Lubrificación no necesaria).  
**Fluidos compatíveis**  
 Ar (Lubrificação não necessária).



**Alesaggi**  
 Bores  
 Durchmesser  
 Diamètres  
 Diámetros  
 Diâmetros

**25-32-40-50-63 mm**



**Ripetibilità**  
 Action tolerance  
 Wiederholgenauigkeit  
 Répétitivité  
 Repetibilidad  
 Repetibilidade

**± 0,01 mm**



**Frequenza massima d'esercizio**  
 Max. Operating frequency  
 Maximale Betriebsfrequenz  
 Fréquence d'utilisation maximum  
 Frecuencia máxima de ejercicio  
 Frequência máxima de trabalho

**120 c.p.m.** (Ø 25)  
**60 c.p.m.** (Ø 32 ÷ 63)



**Peso della pinza**

*Gripper Weight*

*Gewicht Greifer*

*Poids de la pince*

*Peso de la pinza*

*Peso da garra*

Ø mm	25	32	40	50	63
gr	140	237	351	541	992



**Corsa totale di apertura/chiusura**

*Opening/Closing stroke*

*Oeffnungs/Schliesshub*

*Course d'ouverture/fermeture*

*Carrera de apertura/cierre*

*Curso de abertura/fechamento*

Ø	25	32	40	50	63
mm	6	8	8	12	16



**Coppia di presa a 5 bar**

*Gripping torque at 5 bar*

*Greifmoment bei 5 bar*

*Couple de serrage à 5 bar*

*Par de agarre a 5 bar*

*Torque de prensão a 5 bar*

Ø	25	32	40	50	63
N.m E	42	74	118	187	335
N.m I	47	82	130	204	359



**Punto di presa**

*Holding point*

*Greifmoment*

*Moment de préhension*

*Punto de agarre*

*Ponto de pega*



**Forza effettiva di presa a 5 bar**

*Effective gripping force at 5 bar*

*Effektive Greifkraft bei 5 bar*

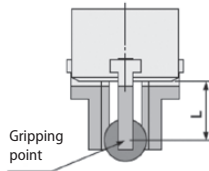
*Force de préhension effective à 5 bar*

*Fuerza efectiva de agarre 5 bar*

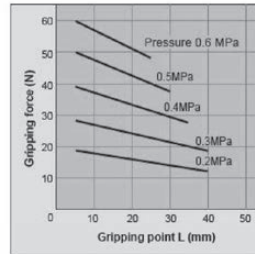
*Força efetiva de agarre a 5 bar*

**E**

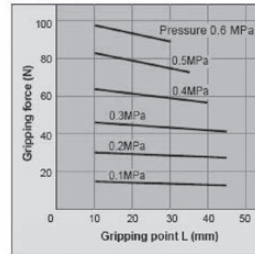
**External grip**



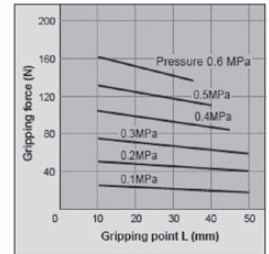
**GR05F 025**



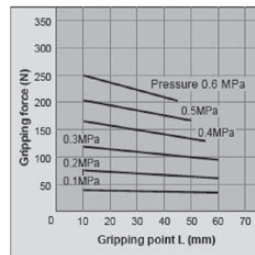
**GR05F 032**



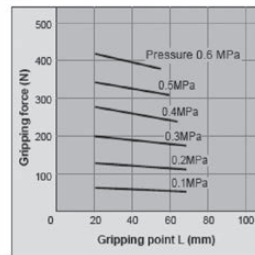
**GR05F 040**



**GR05F 050**

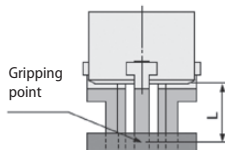


**GR05F 063**

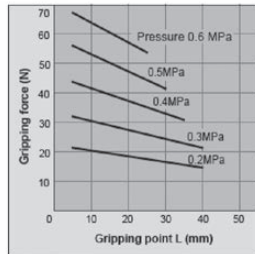


**I**

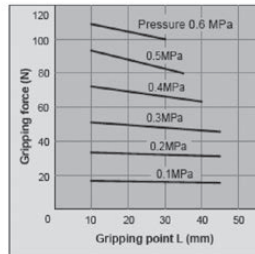
**Internal grip**



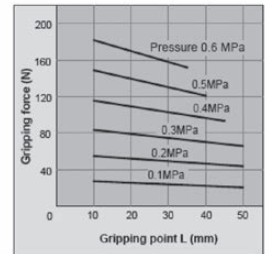
**GR05F 025**



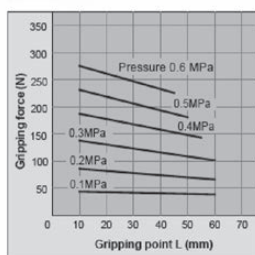
**GR05F 032**



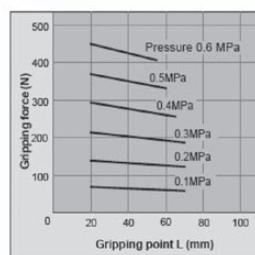
**GR05F 040**



**GR05F 050**



**GR05F 063**





**Tabella dei codici di ordinazione**

- Ordering codes
- Bestellschlüssel
- Code de commande
- Tabla de codificación para pedidos
- Tabela de codificação para compra

SERIE	Ø mm
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**G R 0 5 F**      **0 2 5**

- |                          |     |
|--------------------------|-----|
| Doppio Effetto Magnetico | 025 |
| Double Acting Magnetic   | 032 |
| Doppelwirkend Magnetisch | 040 |
| Double Effet Magnétique  | 050 |
| Doble efecto magnético   | 063 |
| Dupla Ação Magnético     |     |



**Sensori consigliati**

- Sensors recommended
- Empfohlene Sensoren
- Capteurs recommandés
- Sensores recomendados
- Sensores aconselhados

**DC 03 PM8    DC 04 PM8    DC 05 PM8**  
**DC 03 P2M    DC 04 P2M    DC 05 P2M**

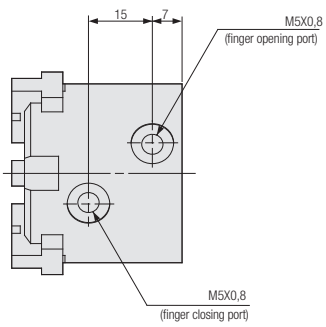
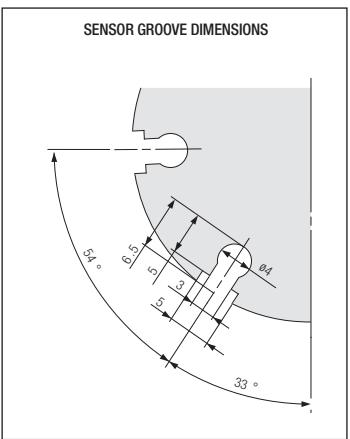
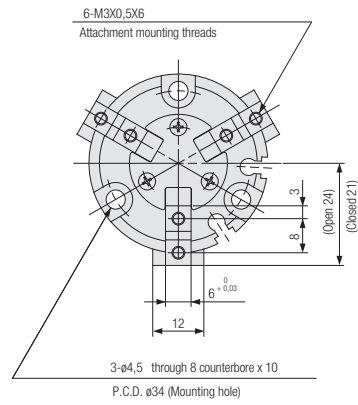
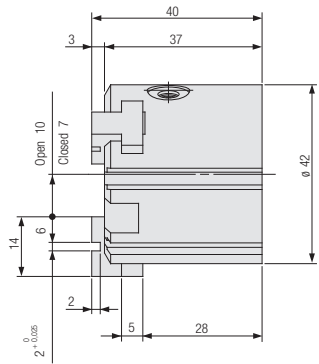
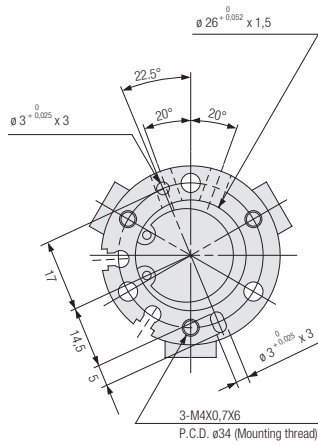


**Adattatore Per Sensore**

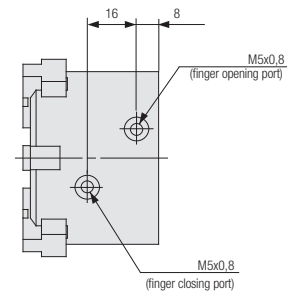
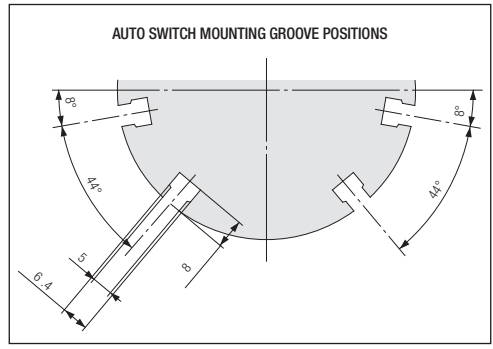
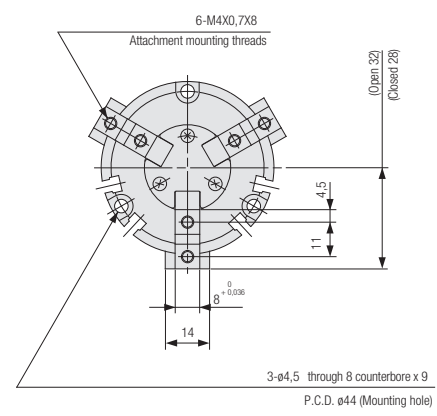
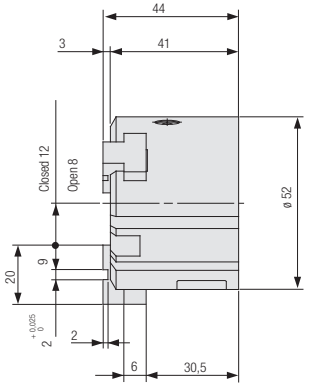
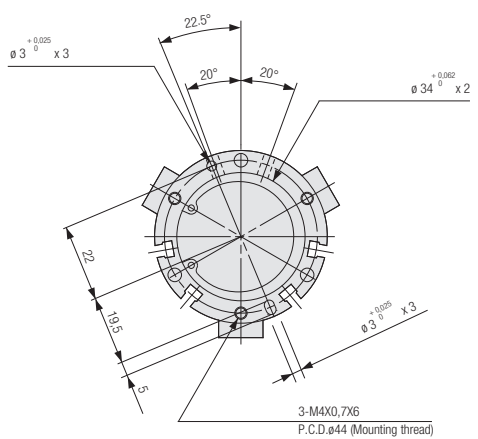
- Sensor Adapter
- Sensor Adapter
- Adaptateur Pour Capteur
- Adaptador Para Sensor
- Adaptador Para Sensor

**DC 10 001**

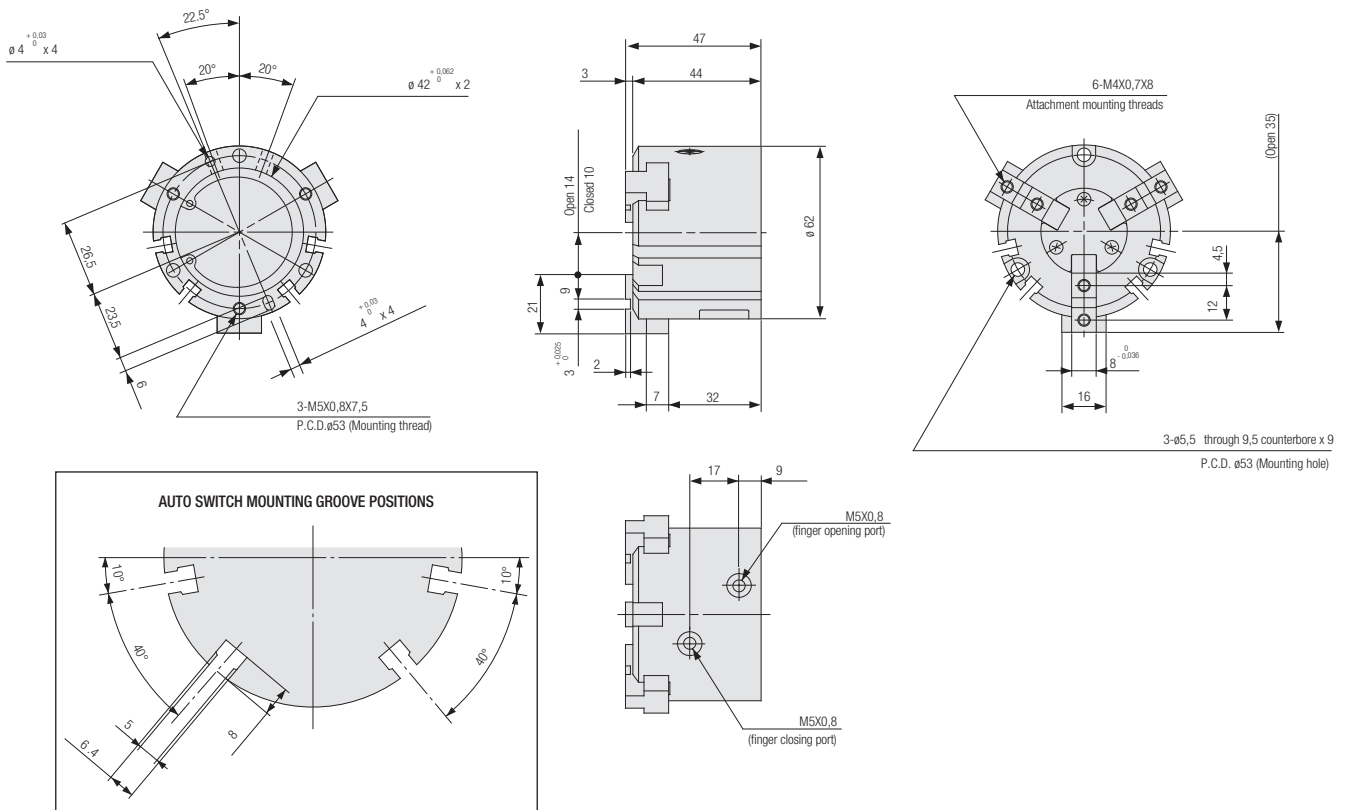
**GR05F 025**



**GR05F 032**



**GR05F 040**



**GR05F 050**

