

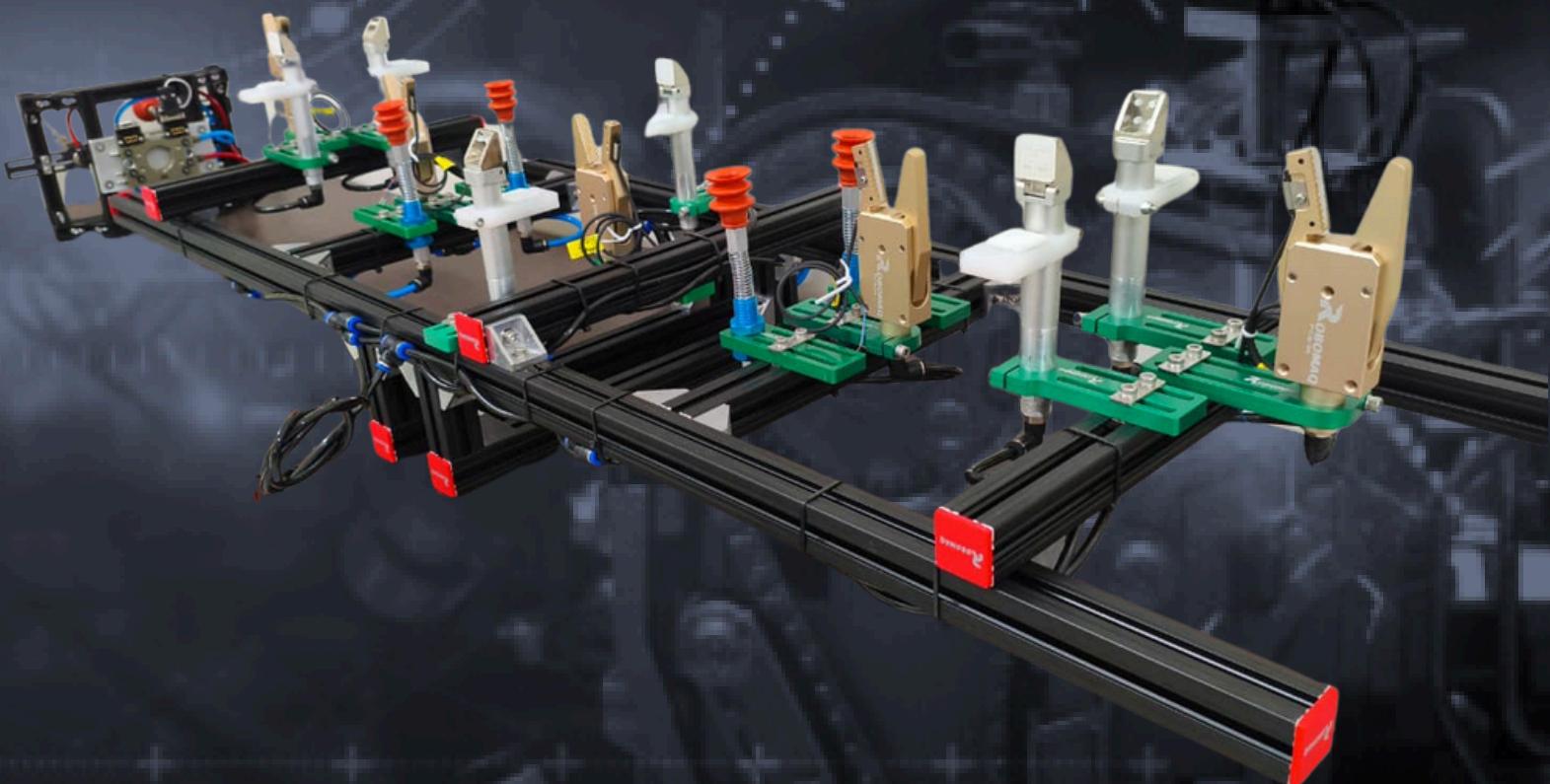
2025  
Edição nº 2

# CATÁLOGO

de produtos



Inovação em Movimento,  
Automatizando seu Sucesso.



Na Robomaq Engenharia, a excelência em automação é mais do que um compromisso, é a nossa paixão. Com uma equipe focada em soluções personalizadas e eficientes para a sua necessidade, nosso time é qualificado e pronto para transformar sua necessidade em realidade.

Fornecemos serviços e produtos para automação, com foco principal em projetos e montagem de máscaras de robô para retirada e manipulação de peças extraídas dos moldes de injeção plástica. Nossa objetivo é propor soluções que impulsionam a eficiência operacional e a competitividade de nossos clientes



# MÁSCARAS DE ROBÔ

As máscaras de robô, também denominadas garras de robô, são dispositivos instalados na extremidade do braço robótico, responsáveis pela manipulação de peças e pela execução de diversas outras operações.

A pega das peças é geralmente realizada por ventosas, que, ao serem posicionadas em pontos estratégicos com aderência completa, geram vácuo, permitindo a fixação e o subsequente movimento do objeto.

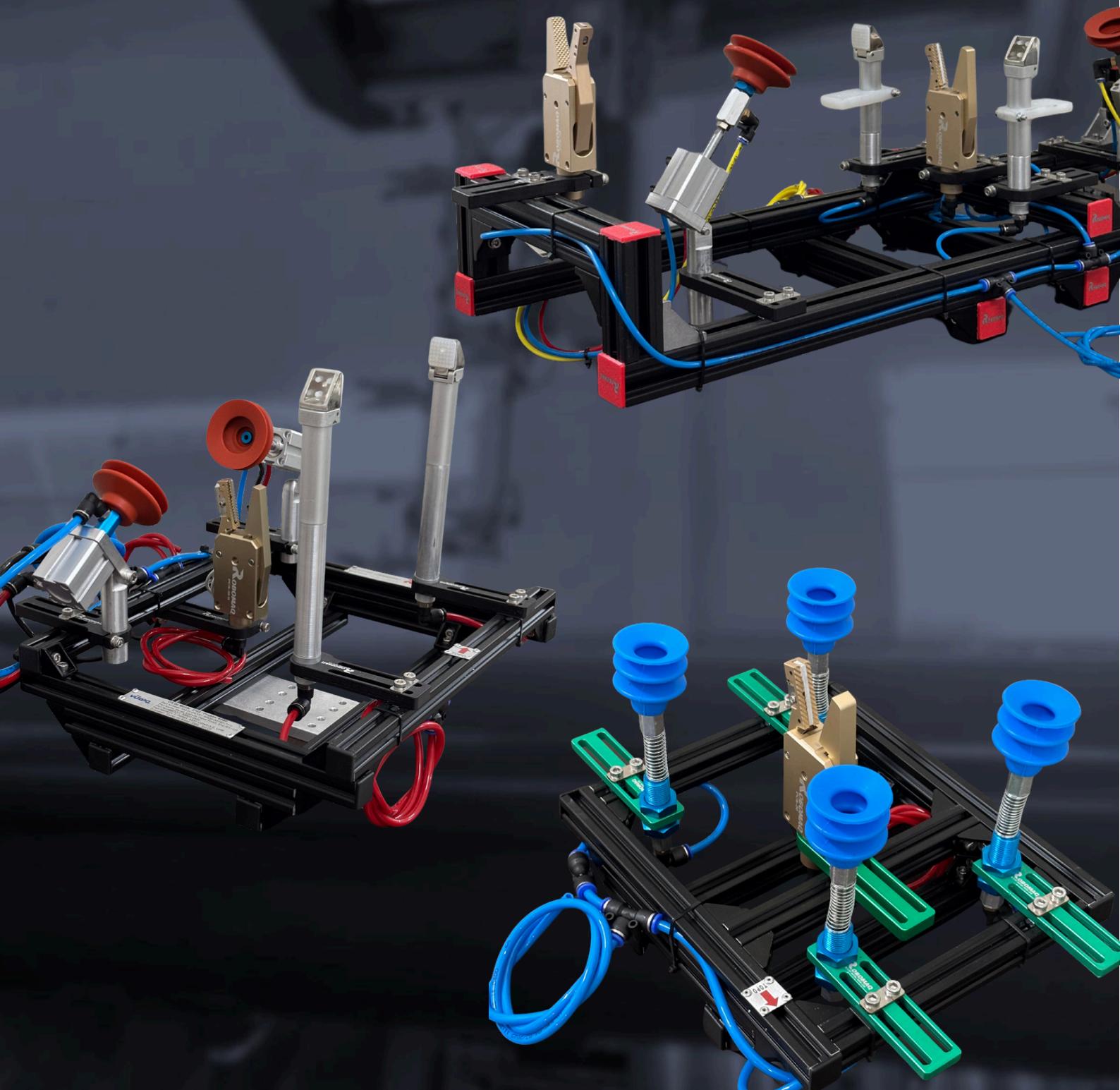
Para a manipulação de produtos mais complexos, que exigem maior cuidado para evitar quedas, é necessário o uso de acessórios complementares.

Em processos que envolvem operações mais sofisticadas, a utilização desses itens adicionais se torna imprescindível para garantir a estabilidade e eficiência das operações.

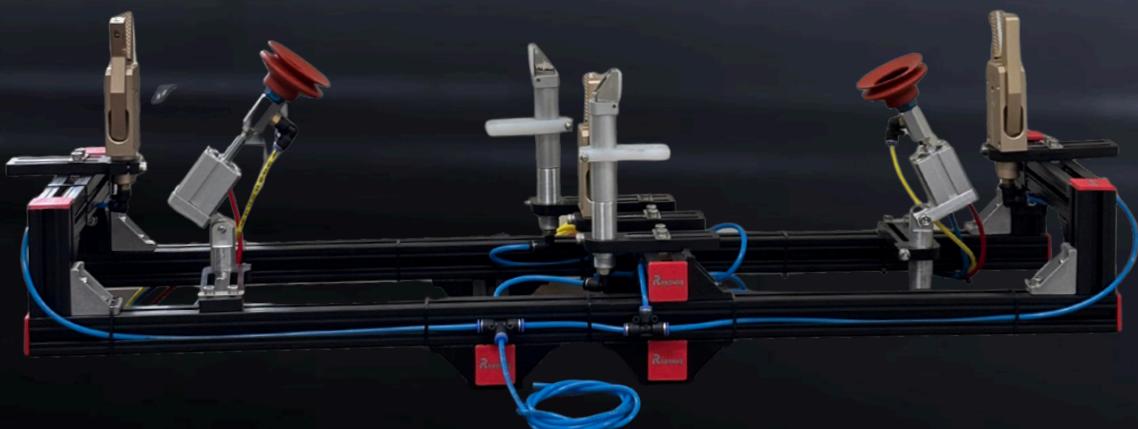
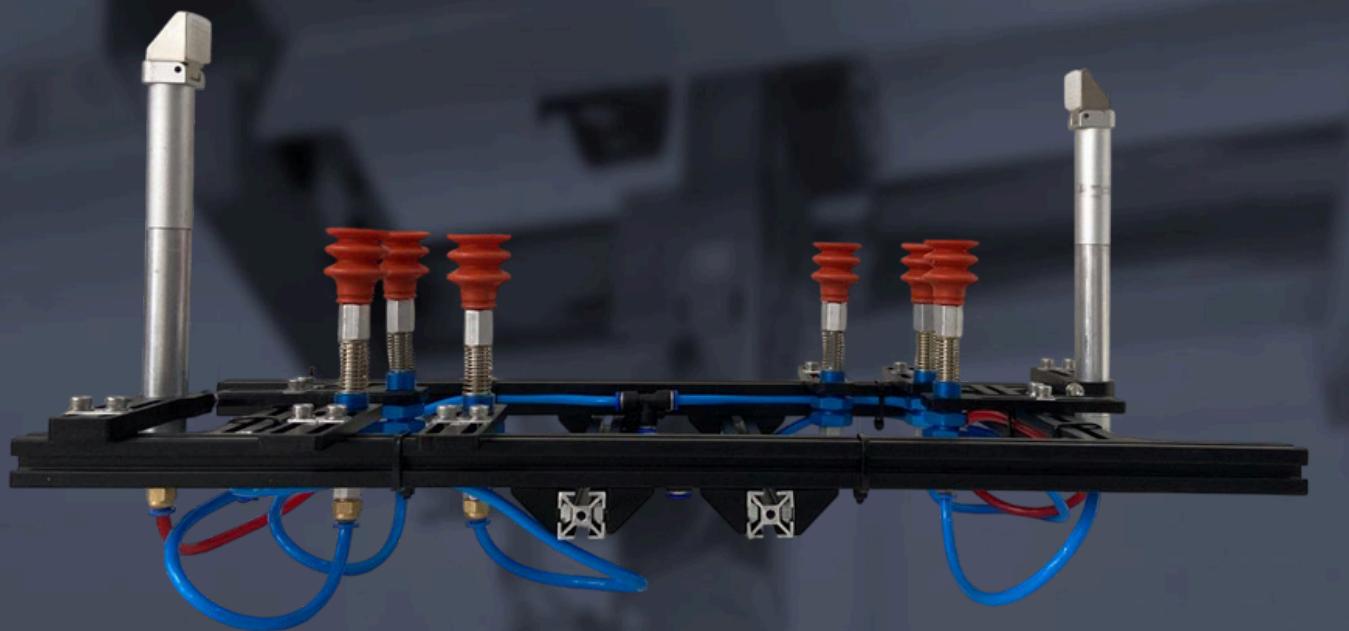




# MÁSCARAS DE ROBÔ



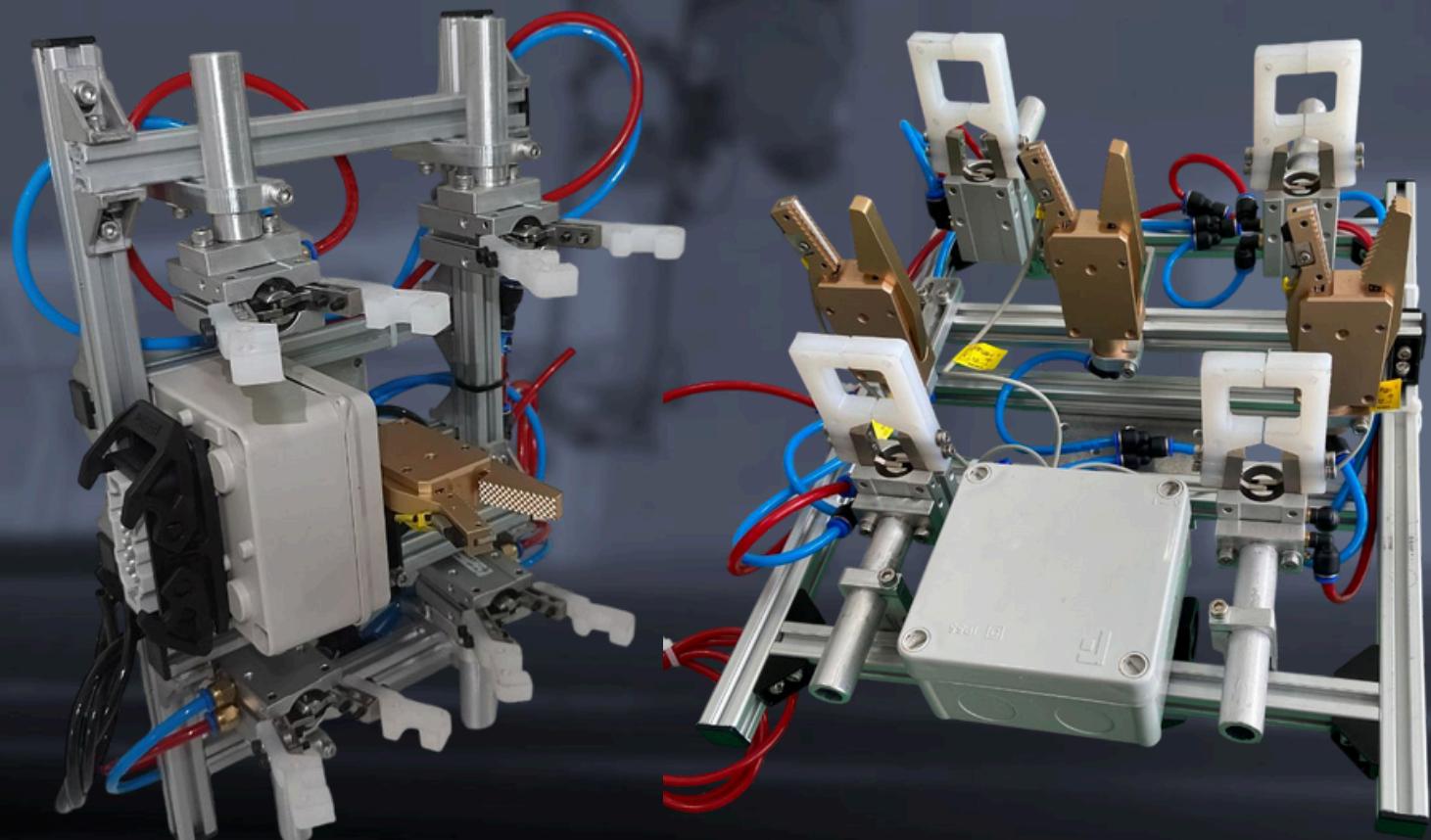
**ROBOMAQ**  
ENGENHARIA



# MÁSCARAS COM GARRAS ESPECIAIS

*PROJETADAS CONFORME SUA NECESSIDADE*

Essas soluções são utilizadas para a manipulação de peças que exigem contato direto com o produto, especialmente em áreas de difícil acesso para a coleta.

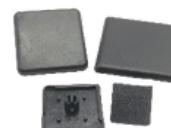


**Perfis estruturais**



01

**Tampas de perfil**



03

**Acessórios para fixação**



05

**Suportes para montagem**



09

**Hastes de ventosa**



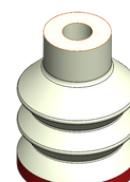
17

**Ventosas nítrilicas**



20

**Ventosas com espuma**



23

**Ventosas de silicone**



28

**Pinças pneumáticas**



36

**Tesouras pneumáticas**



39

**Conexões pneumáticas**



43

**Fingers**



46

**Cilindros pneumáticos**



50

**Módulos eletrônicos para sensores**



53

**Chapas de Acoplamento de robô**



55



Perfis  
**ESTRUTURAIS**



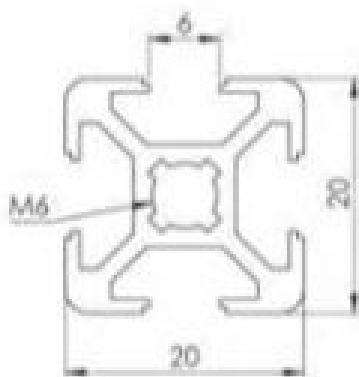
PERFIS ESTRUTURAIS

**Perfil Base 20x20mm >>>>>>>>>>**

Código:PF-20

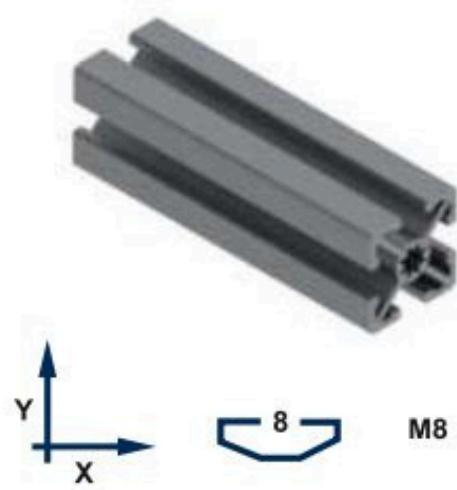


6 M6

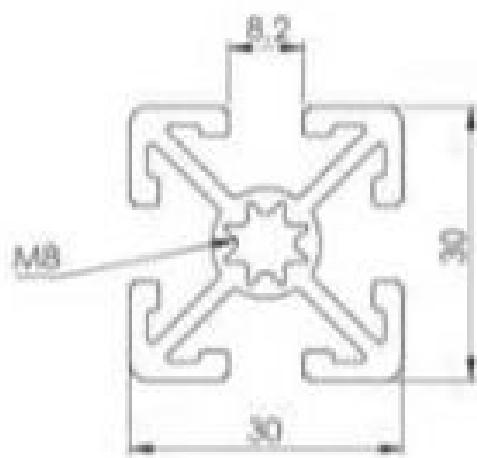


**Perfil Base 30x30mm >>>>>>>>>>**

Código:PF-30



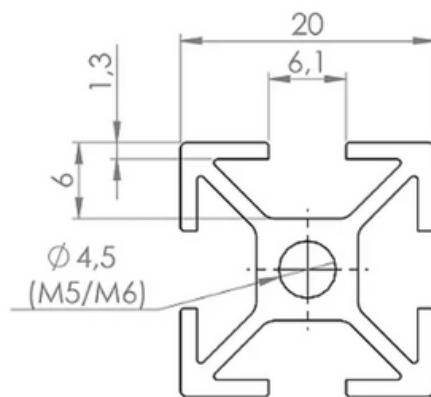
8 M8



PERFIS ESTRUTURAIS

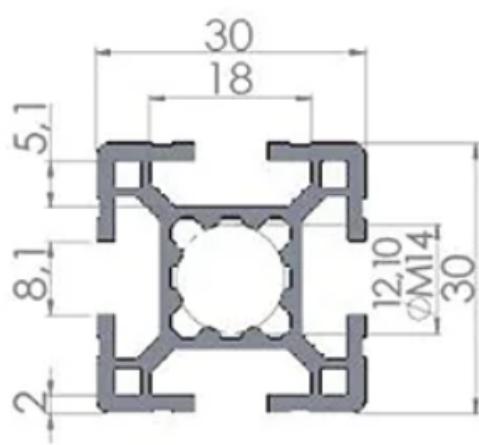
## Perfil Base 20x20mm Preto

Código: PFP-20

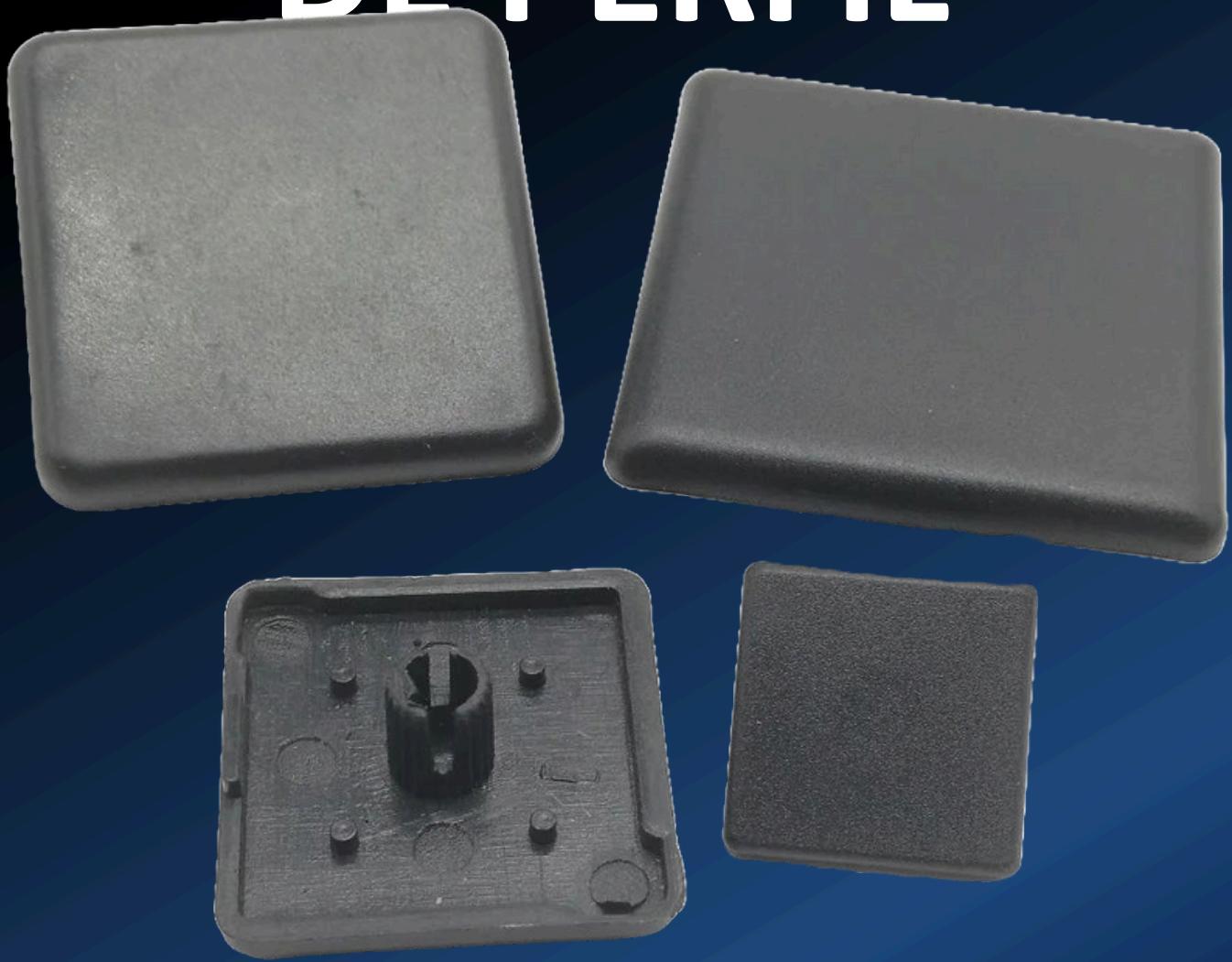


## Perfil Base 30x30mm Preto

Código: PFP-30



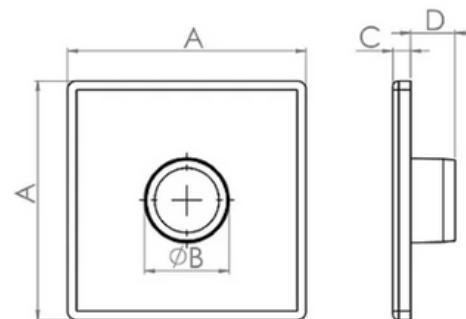
Tampas  
**DE PERFIL**



## TAMPAS DE PERFIL

## Tampa de perfil base 20x20mm >>>>>>>>>>>>

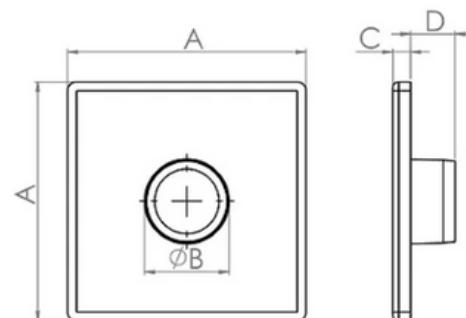
Código: TP-20



CÓDIGO	A	B	C	D
TP-20	20	2,7	3,5	6

## Tampa de perfil base 30x30mm

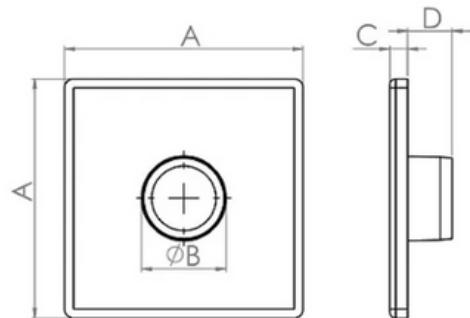
Código: TP-30



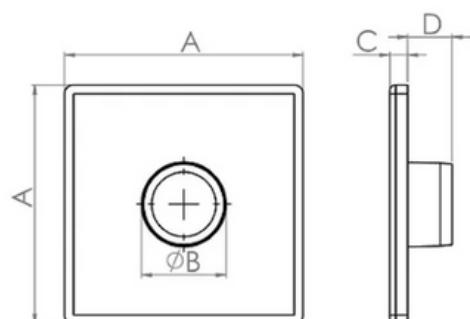
CÓDIGO	A	B	C	D
TP-30	30	12,64	4	7,5



## TAMPAS DE PERFIL

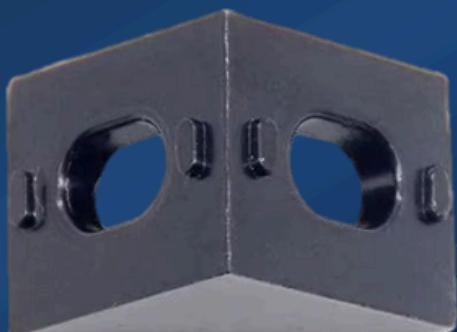
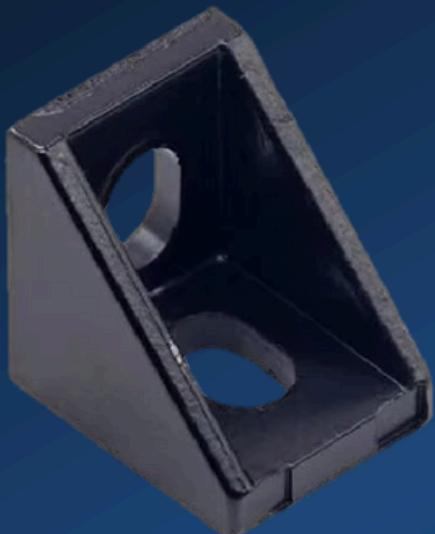
**Tampa de perfil base robomaq 20x20mm >>>>>>>>>>>>**
*Código: TPR-20*


CÓDIGO	A	B	C	D
TPR-20	20	2,7	3,5	6

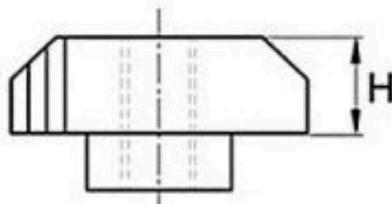
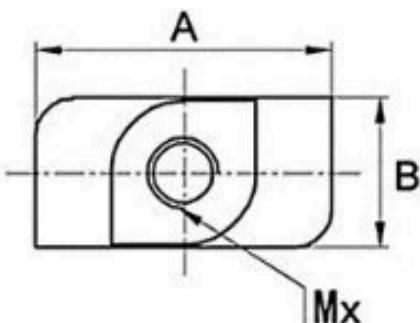
**Tampa de perfil base robomaq 30x30mm >>>>>>>>>>>>**
*Código: TPR-30*


CÓDIGO	A	B	C	D
TPR-20	30	12,64	4	7,5

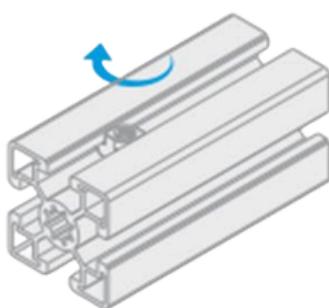
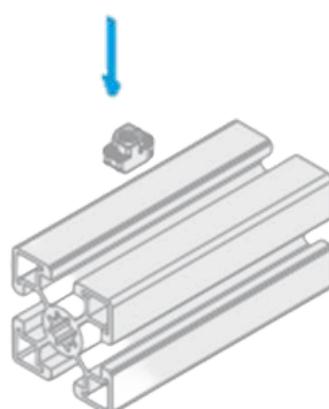
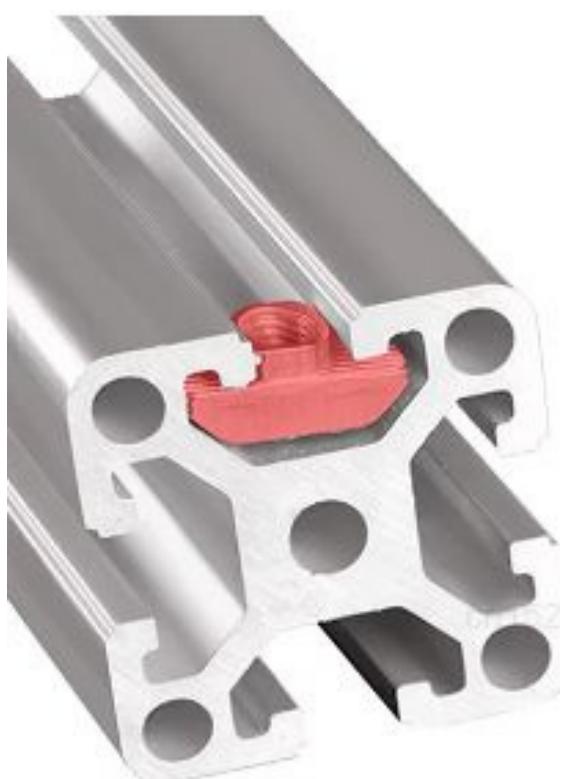
Acessórios para  
**FIXAÇÃO**



## ACESSÓRIOS PARA FIXAÇÃO

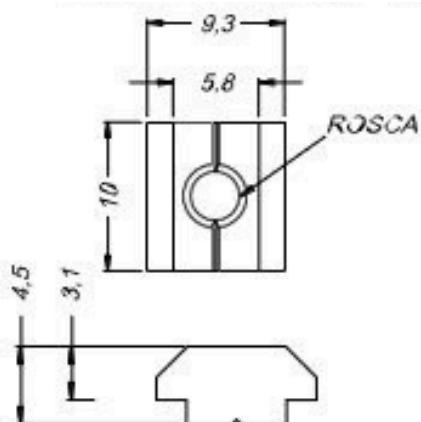
**Porca Martelo** >>>>>>>>>>>>


Unidade (mm)				
Código	Mx	A	B	H
PMT-20M3	20-M3	9,76	5,88	3,09
PMT-20M4	20-M4	9,78	5,89	3
PMT-20M5	20-M5	9,84	5,94	3,2
PMT-30M3	30-M3	15,49	7,73	4,64
PMT-30M4	30-M4	15,52	7,76	4,61
PMT-30M5	30-M5	15,47	7,75	4,58
PMT-30M6	30-M6	15,56	7,86	4,58



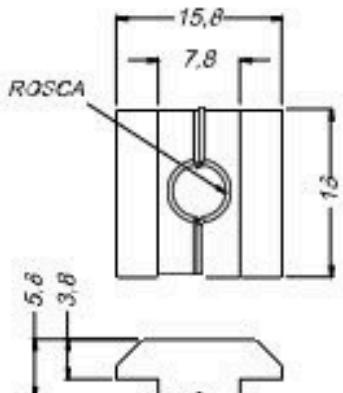
ACESSÓRIOS PARA FIXAÇÃO

## Porca T Perfil 20x20mm >>>>>>>>>>>>

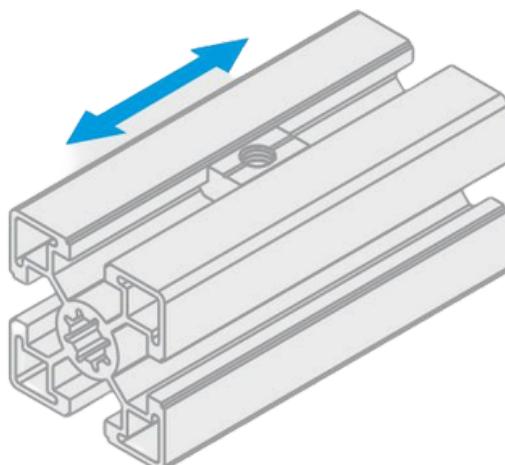
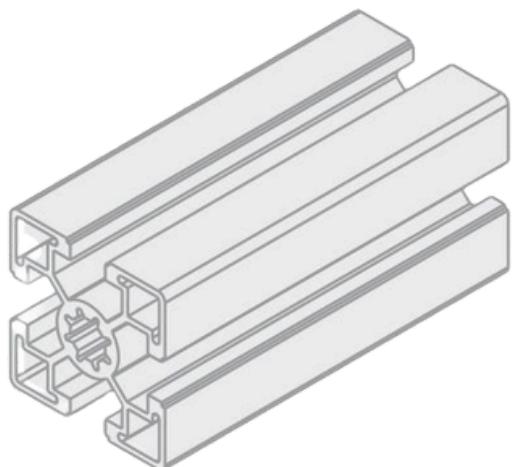


CÓDIGO	Rosca
PT20-M4	M4
PT20-M5	M5
PT20-M6	M6

## Porca T Perfil 30x30mm >>>>>>>>>>>>



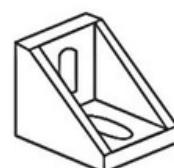
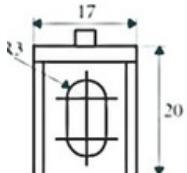
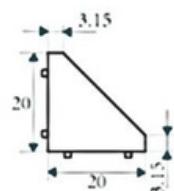
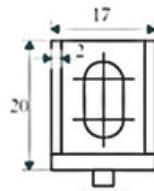
CÓDIGO	Rosca
PT30-M5	M5
PT30-M6	M6



ACESSÓRIOS PARA FIXAÇÃO

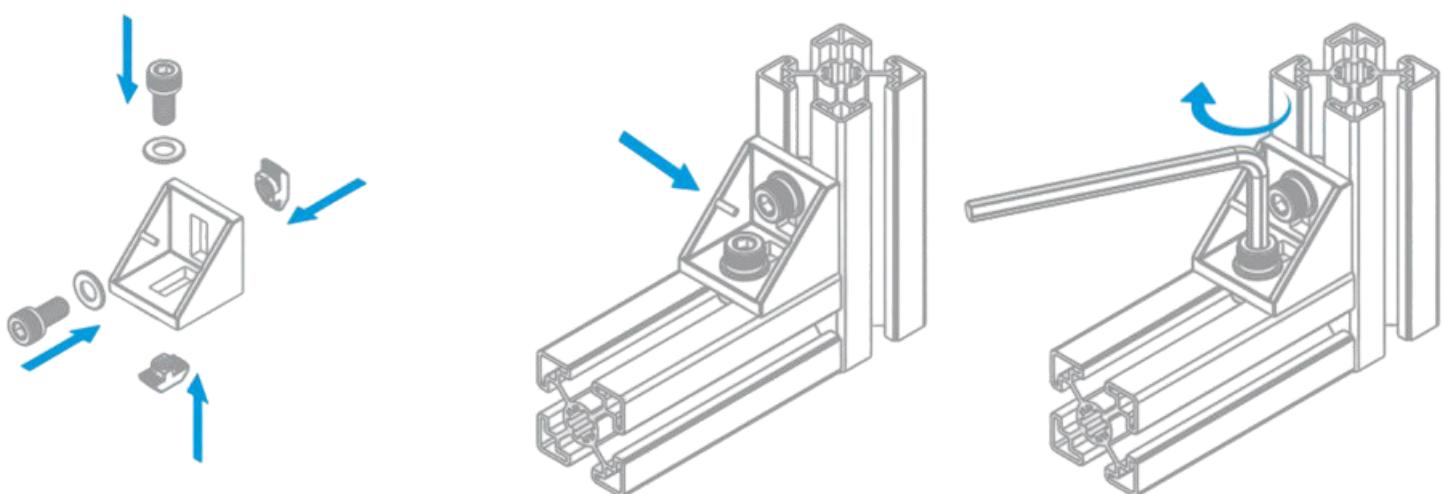
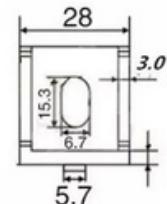
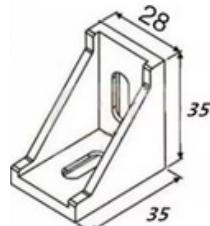
## Cantoneira Alumínio Injetado – Perfil 20x20

Código: CT-2020



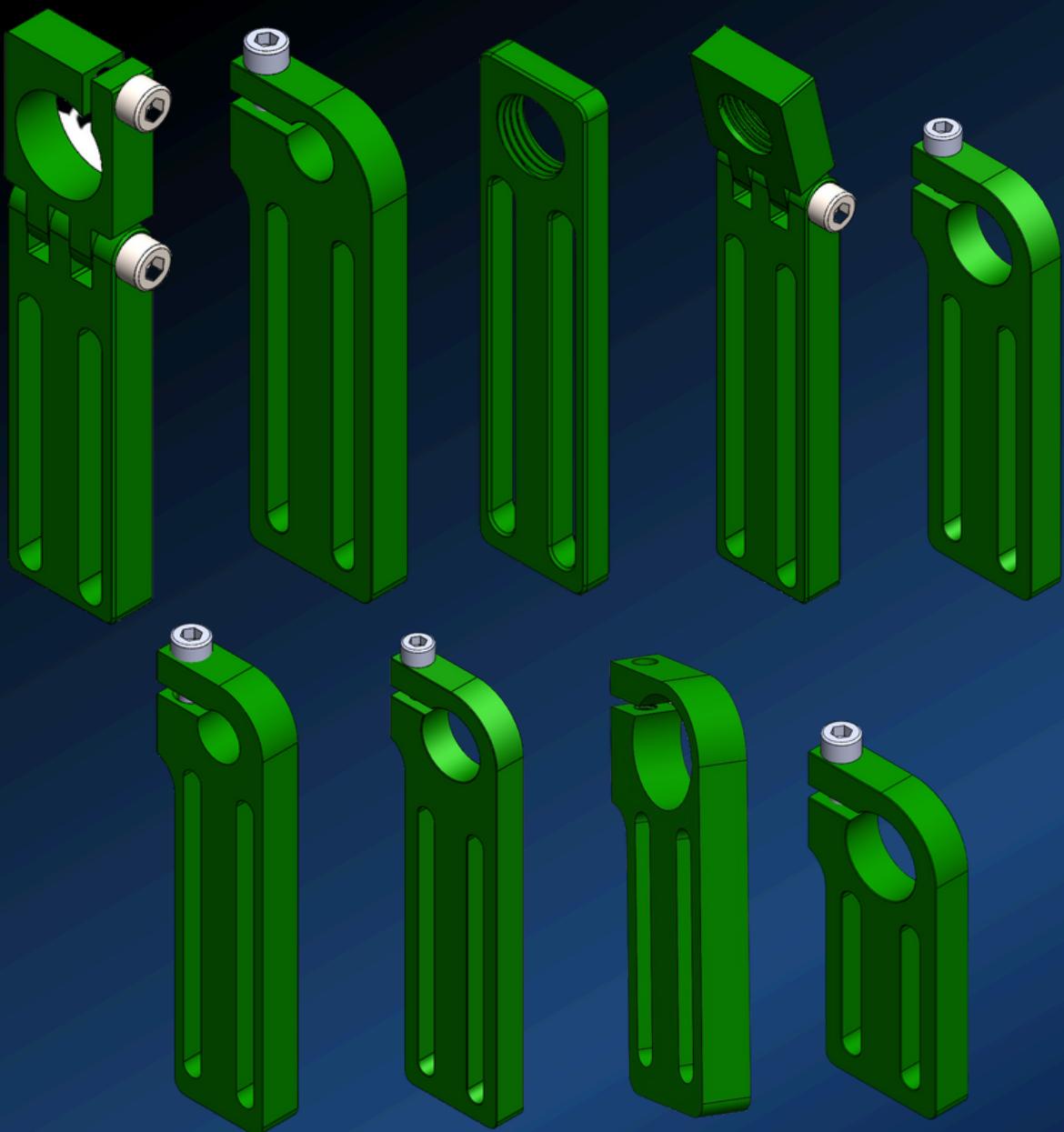
## Cantoneira Alumínio Injetado – Perfil 30x30

Código: CT-3030





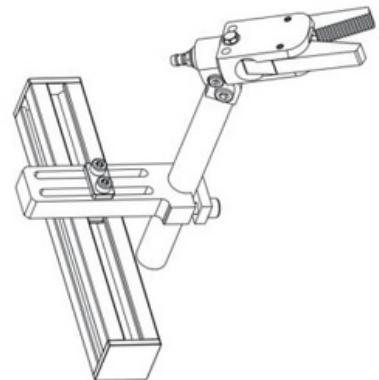
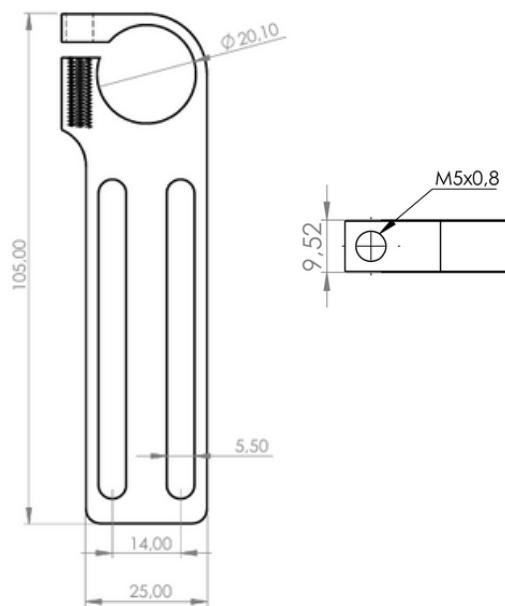
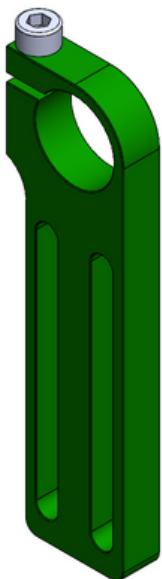
# Suportes de **MONTAGEM**



SUPORTES PARA MONTAGEM - PERFIL 2020

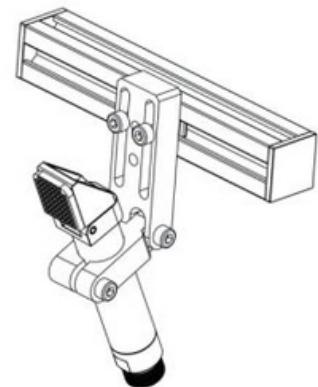
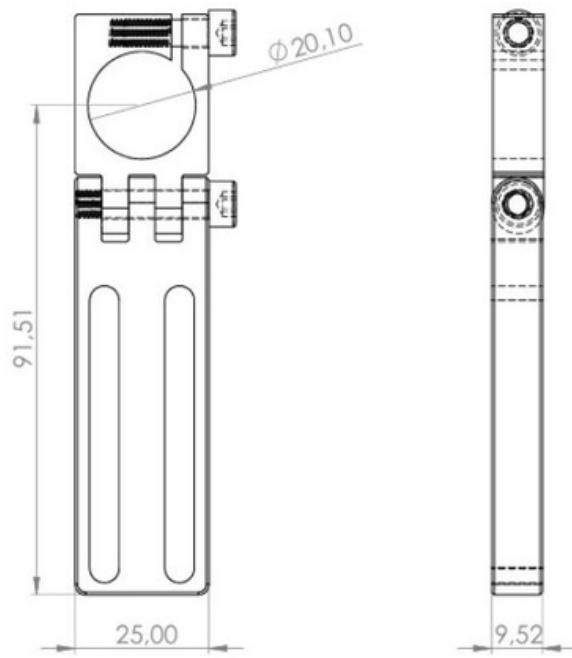
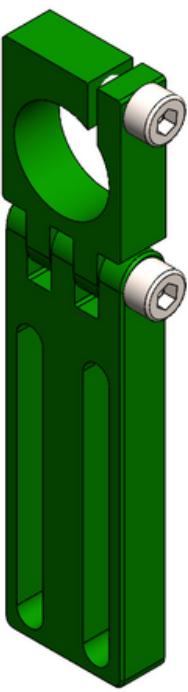
## Suporte fixo ø20x105 para perfil de alumínio 20x20

Código: SPF-20-105-20



## Suporte articulado ø20x105 para perfil de alumínio 20x20

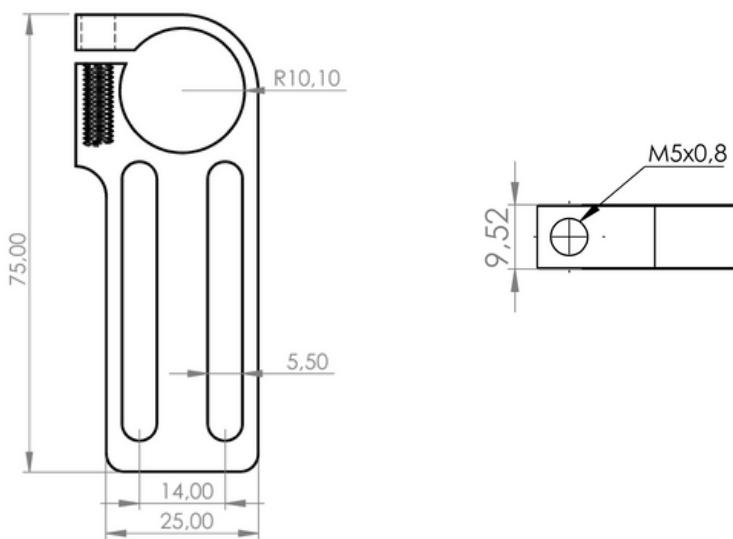
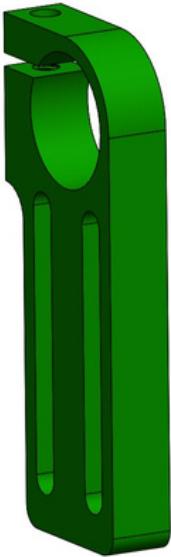
Código: SPA-20-105-20



SUPORTES PARA MONTAGEM-PERFIL 2020

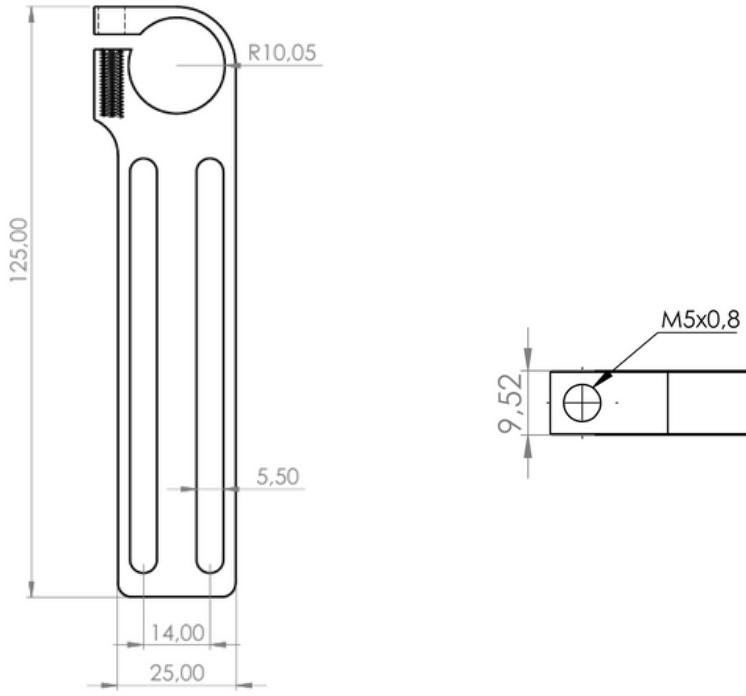
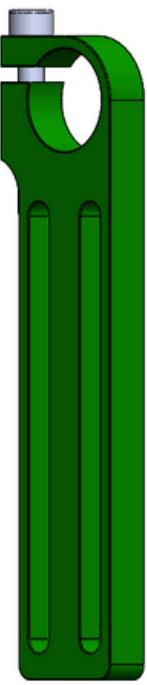
## Suporte fixo ø20x75 para perfil de alumínio 20x20

Código: SPF-20-75-20



## Suporte fixo ø20x125 para perfil de alumínio 20x20

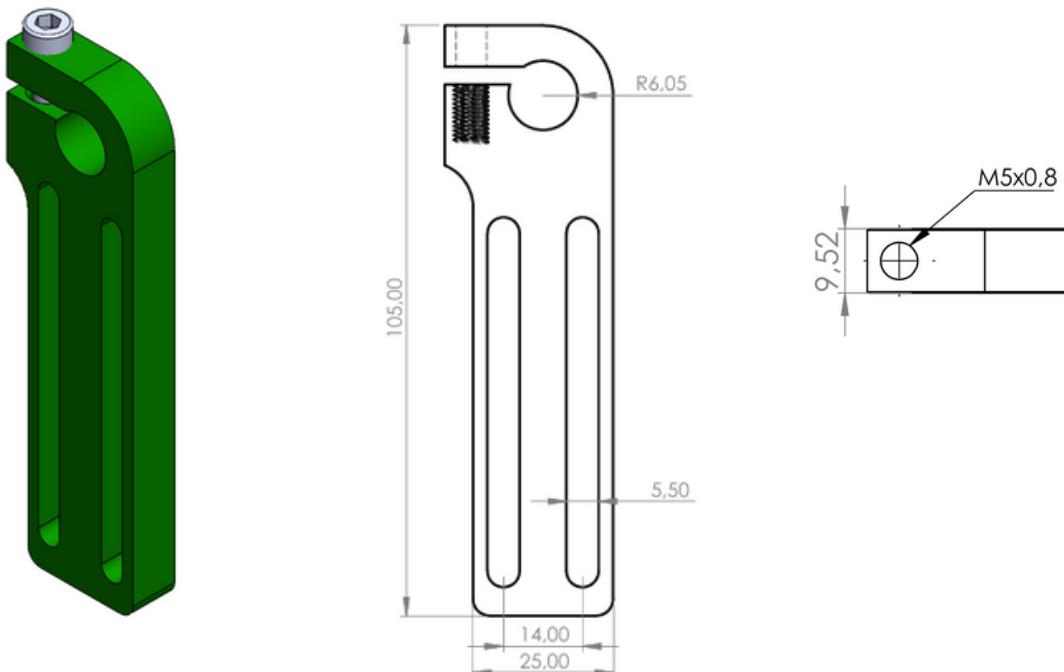
Código: SPF-20-125-20



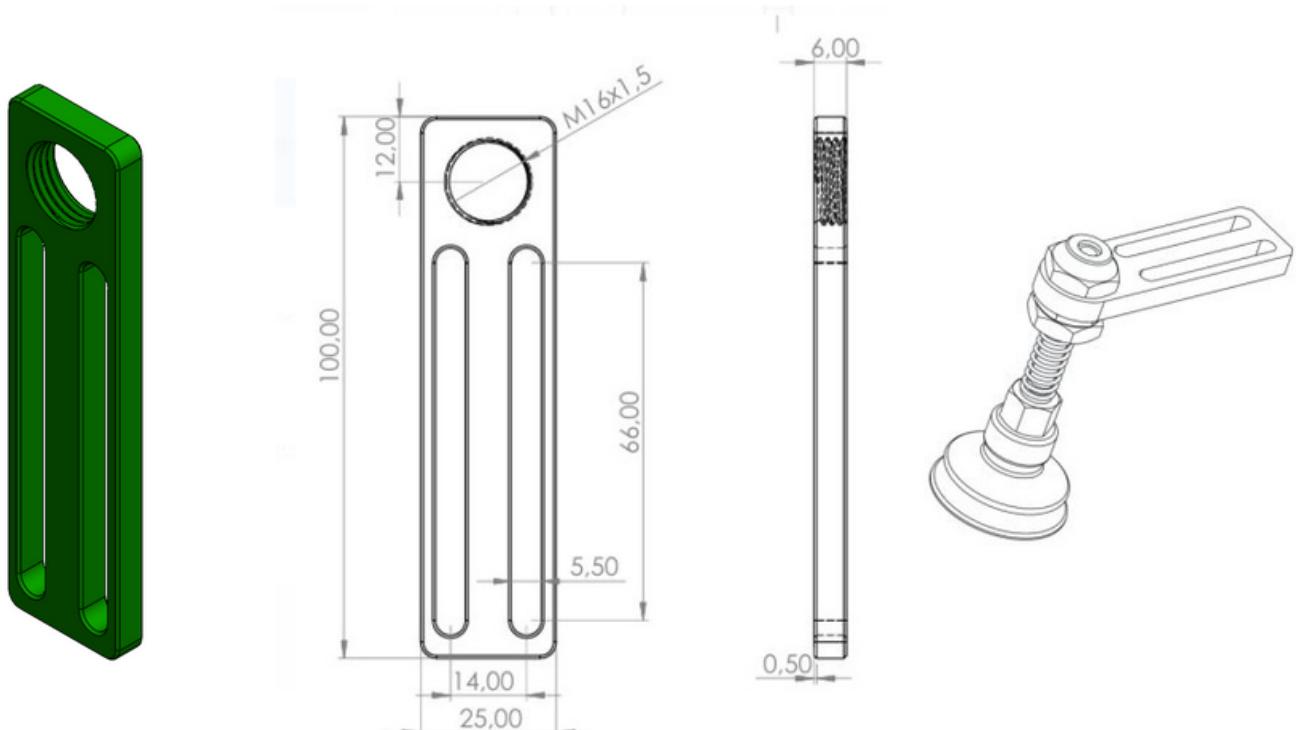
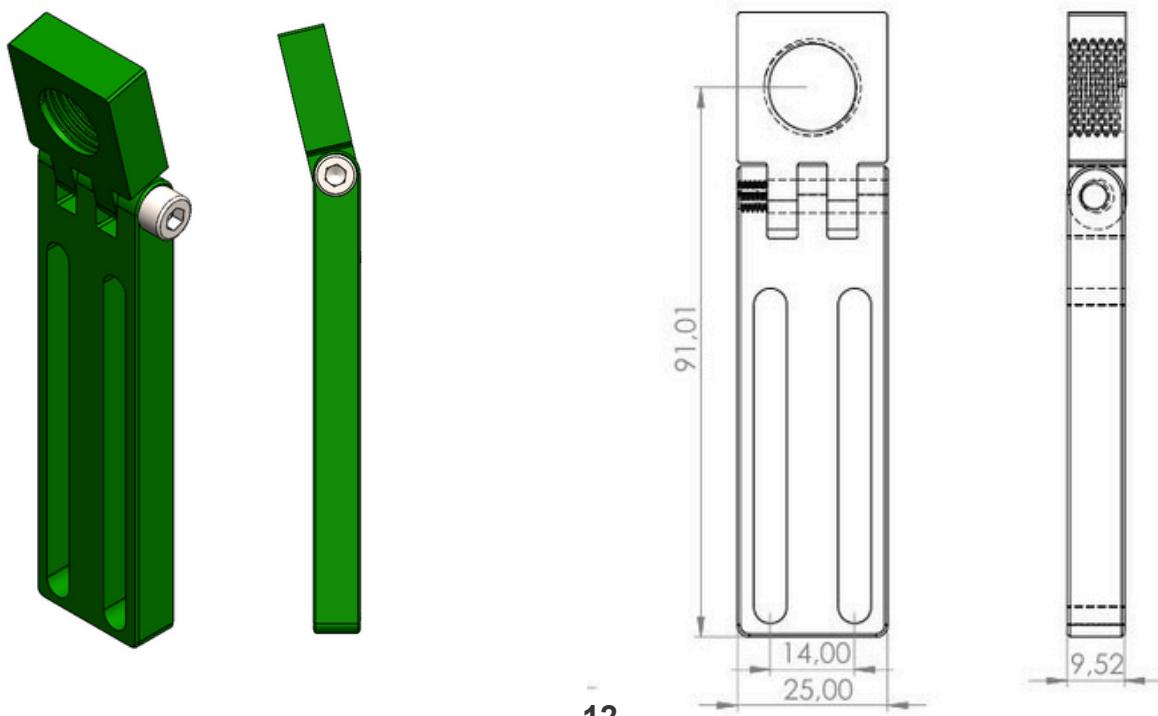
SUPORTES PARA MONTAGEM-PERFIL 2020

## Suporte fixo ø12x105 para perfil de alumínio 20x20

Código: **SPF-12-105-20**



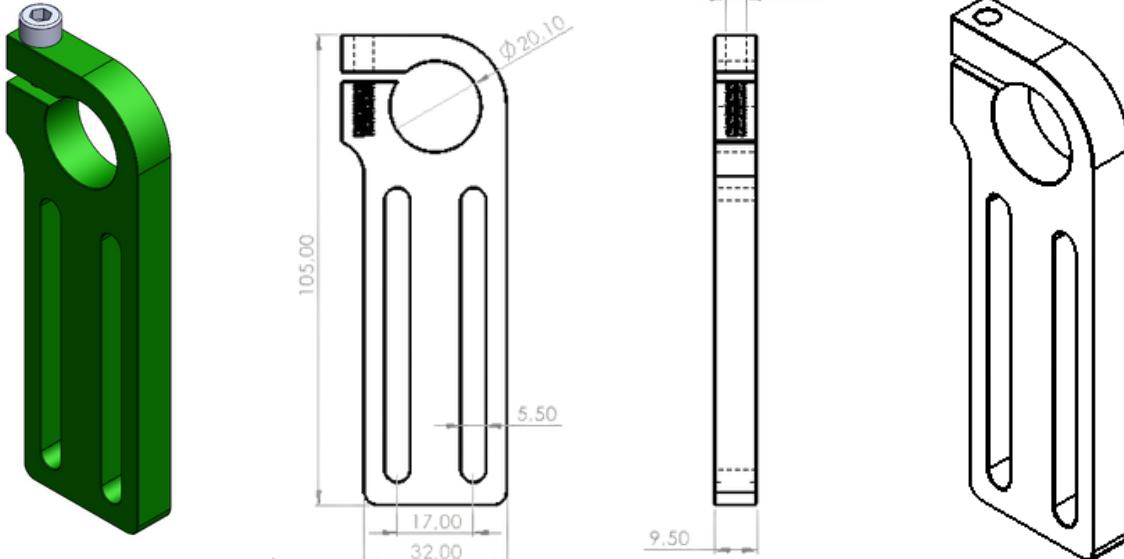
## SUPORTES PARA MONTAGEM-PERFIL 2020

**Suporte fixo de Ventosa M16 x 100 para perfil de alumínio 20x20***Código: SVF-M16-105-20***Suporte articulado de ventosa M16 x 110 para perfil de alumínio 20x20***Código: SVA-M16-110-20*

SUPORTES PARA MONTAGEM-PERFIL 3030

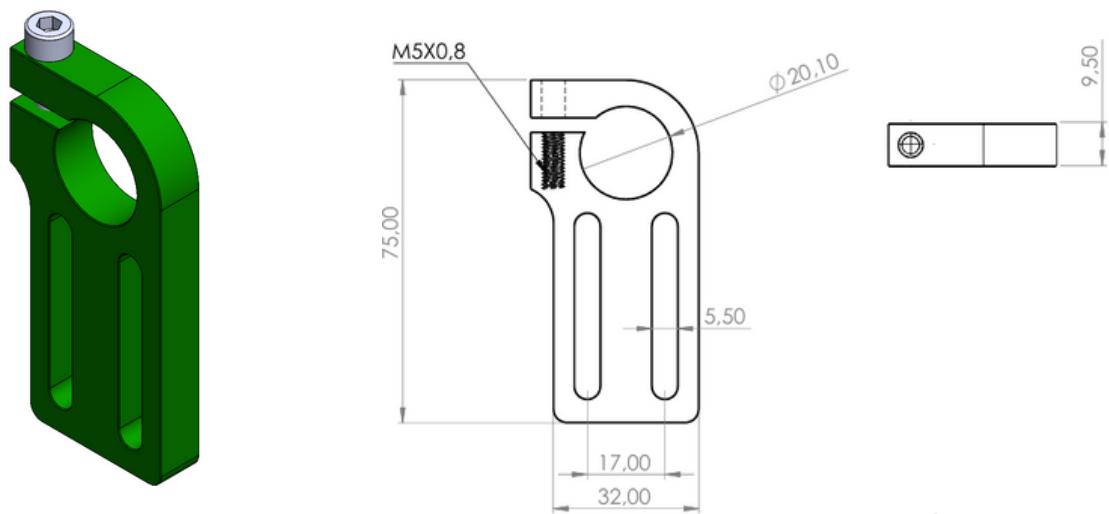
## Suporte fixo ø20x105 para perfil de alumínio 30x30

*Código: SPF-20-105-30*



## Suporte fixo ø20x75 para perfil de alumínio 30x30

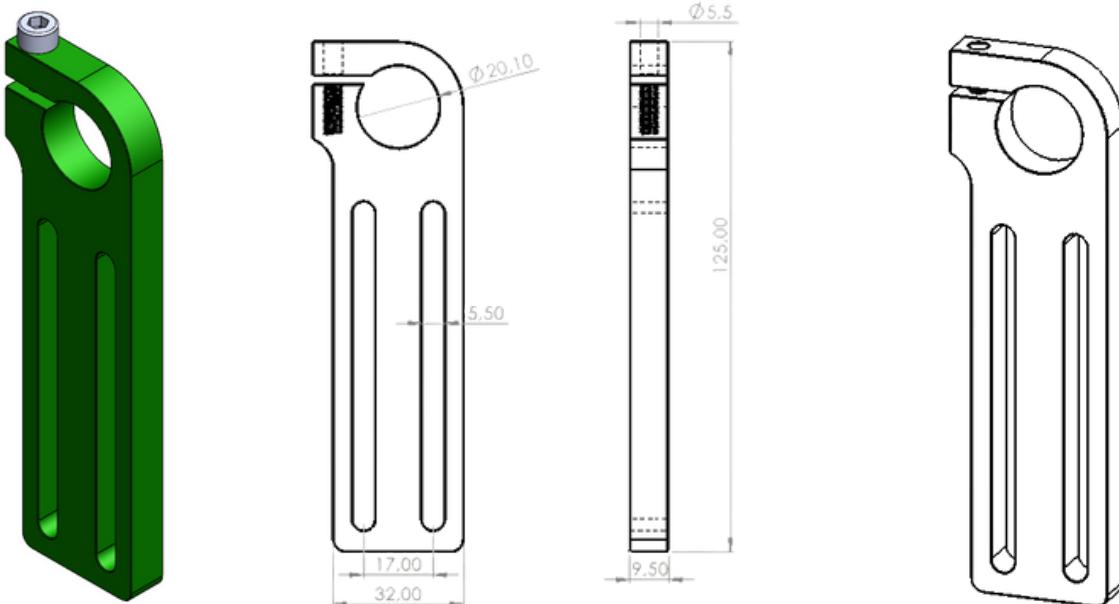
*Código: SPF-20-75-30*



SUPORTES PARA MONTAGEM-PERFIL 3030

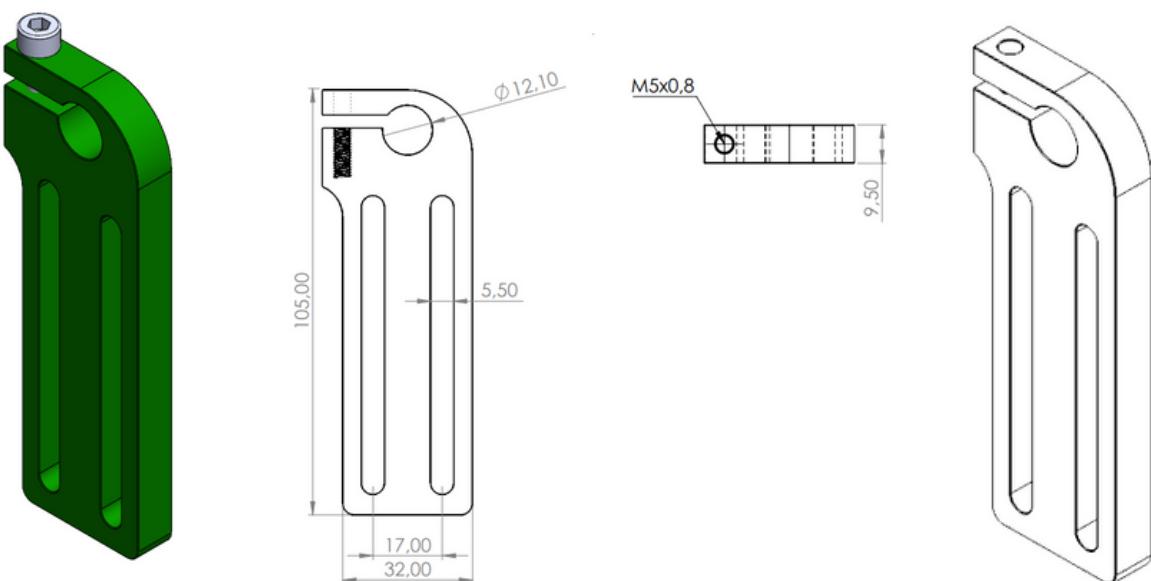
## Suporte fixo ø20x125 para perfil de alumínio 30x30

Código: SPF-20-125-30



## Suporte fixo ø12x105 para perfil de alumínio 30x30

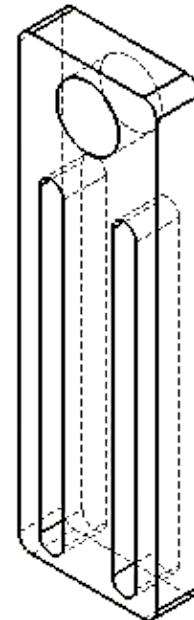
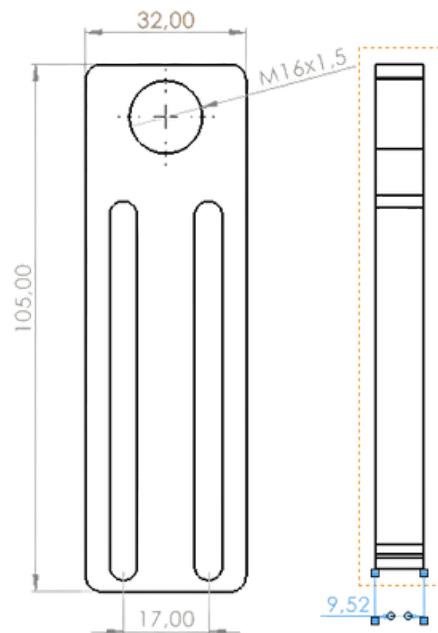
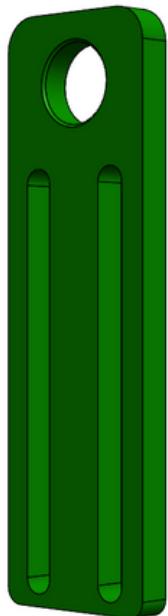
Código: SPF-12-105-30



SUPORTES PARA MONTAGEM-PERFIL 3030

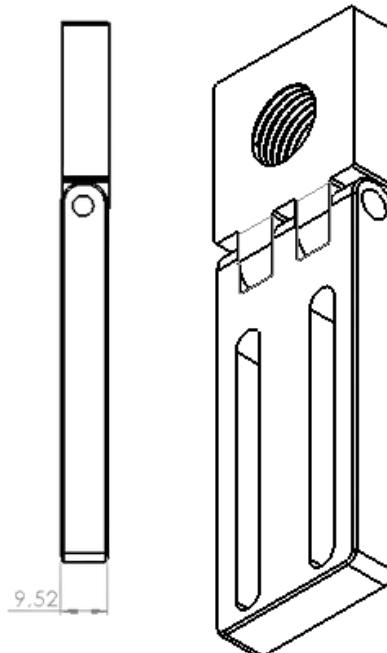
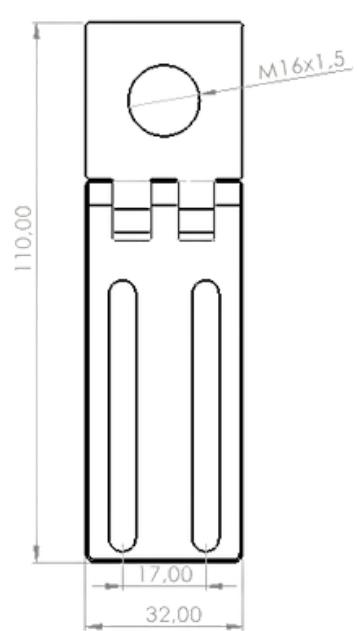
## Suporte fixo de ventosa M16 x 105 para perfil de alumínio 30x30

Código: **SVF-M16-105-30**



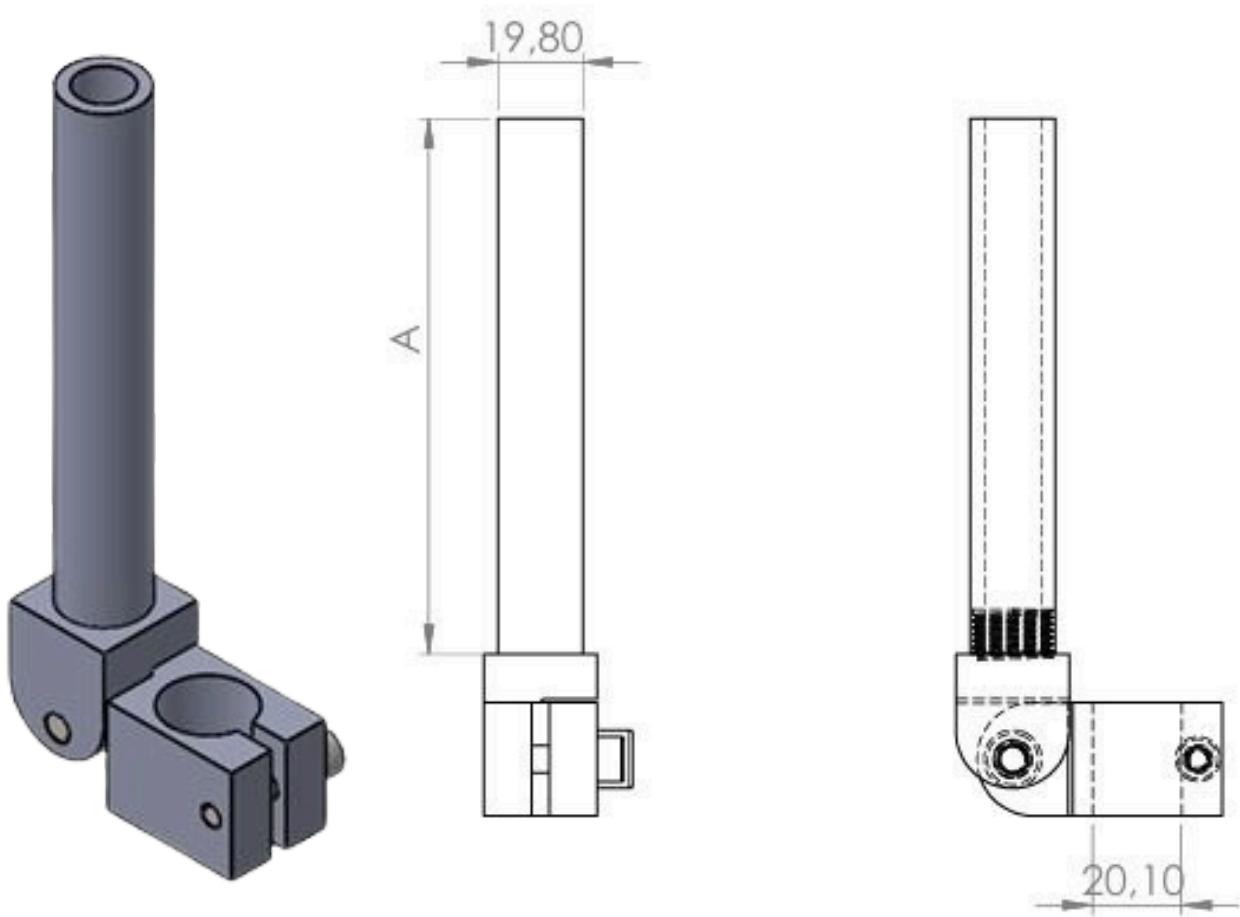
## Suporte fixo de ventosa M16 x 110 para perfil de alumínio 30x30

Código: **SVA-M16-110-30**



## Suporte Bastão D20 Articulado

*Código: SPA-B20*

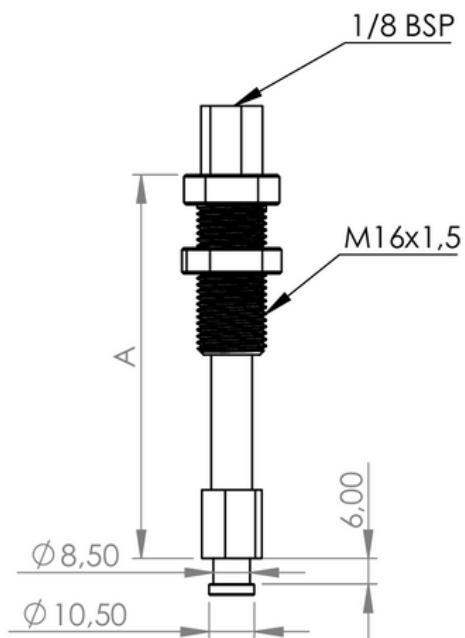


Hastes de  
**VENTOSA**



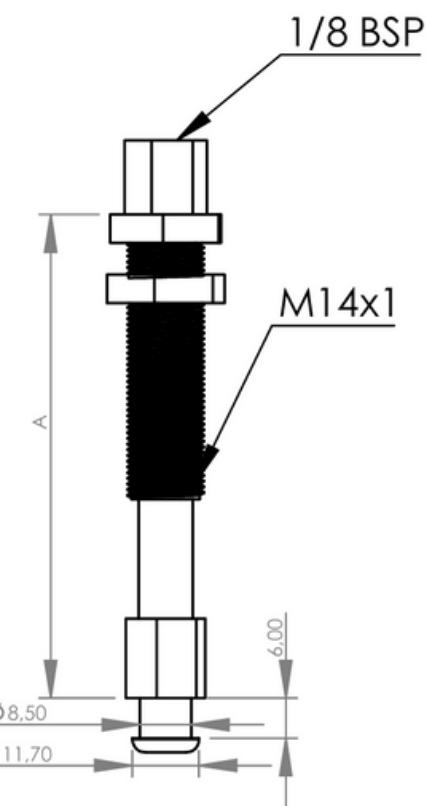
## HASTES DE VENTOSA

### Haste de Ventosa Robomaq Conexão 1/8 BSP



Descrição	Código	Medida "A"
Haste de Ventosa 70mm	HVR-70	70mm
Haste de Ventosa 90mm	HVR-90	90mm
Haste de Ventosa 115mm	HVR-115	115mm

### Haste de ventosa Imp Conexão 1/8 BSP



Descrição	Código	Medida "A"
Haste de Ventosa 70mm	HVI-70	70mm
Haste de Ventosa 90mm	HVI-90	90mm
Haste de Ventosa 115mm	HVI-115	115mm

## HASTE DE VENTOSA

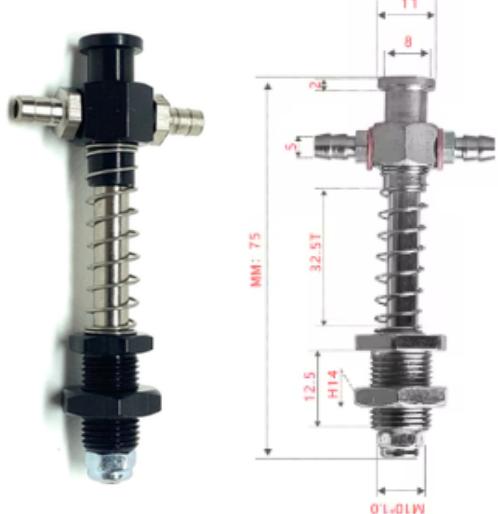
### Haste de ventosa L73 M10 reta

Código: HVE-M10-L73-11B



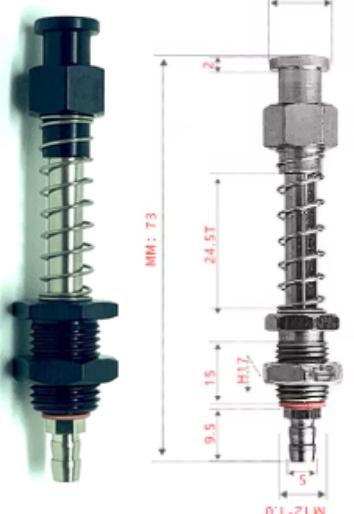
### Haste de ventosa L73 M10 "T"

Código: HVE-M10-L73-11



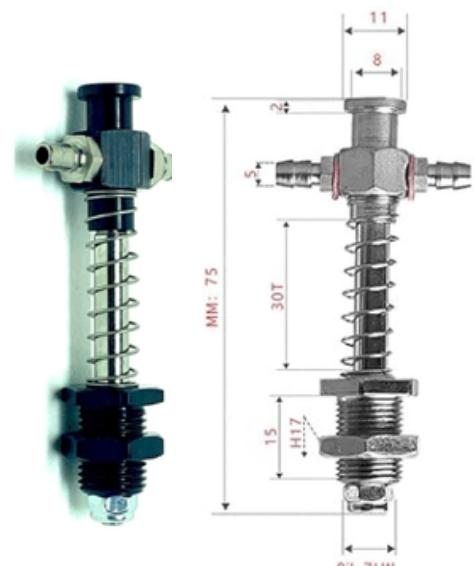
### Haste de ventosa L73 M12 reta

Código: HVE-M12-L73-11B



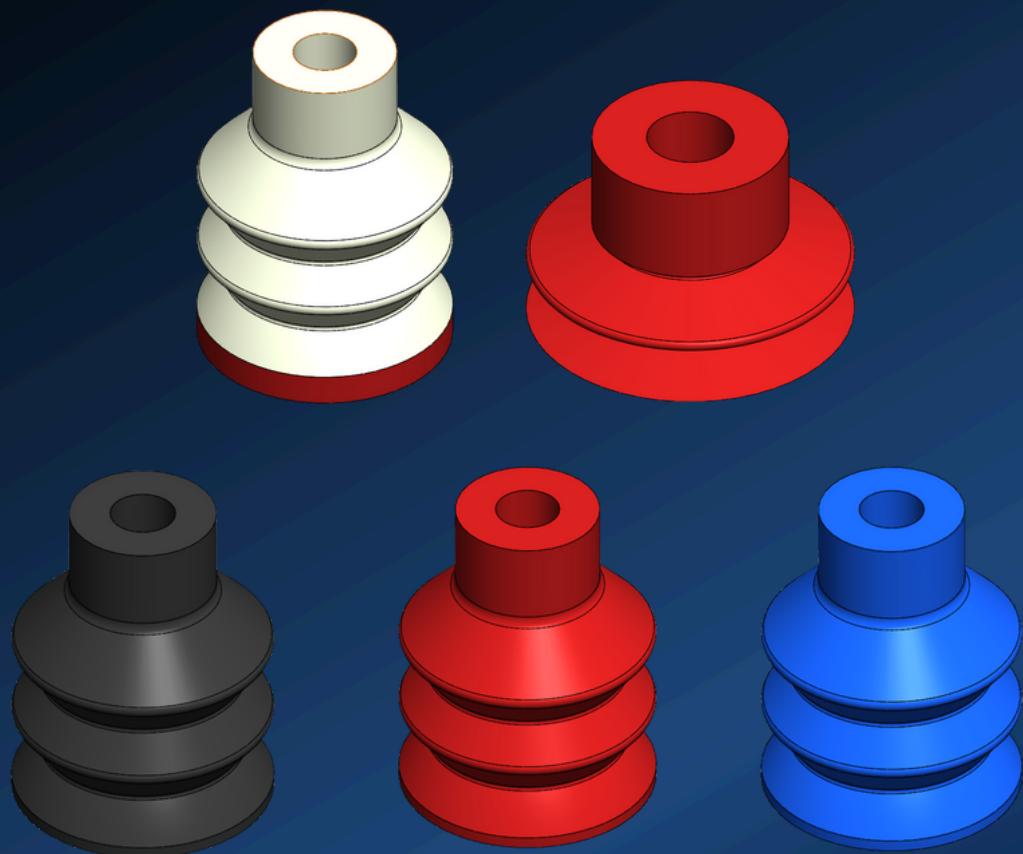
### Haste de ventosa L73 M12 "T"

Código: HVE-M12-L73-11

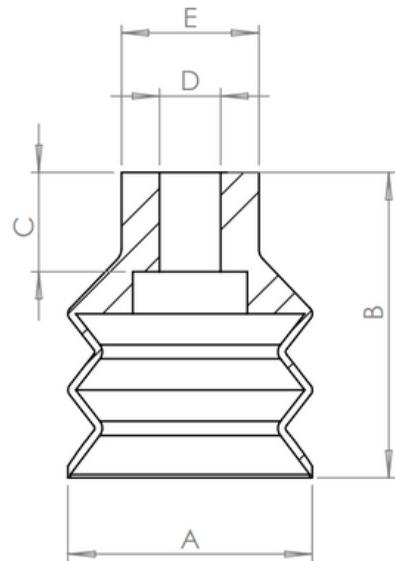




# VENTOSAS

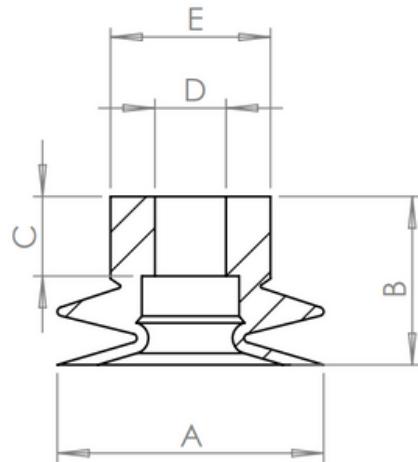
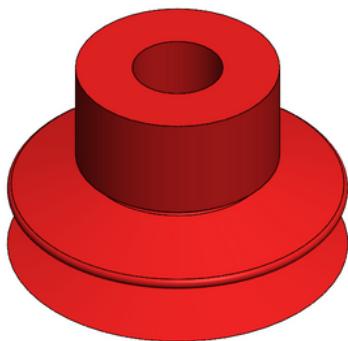


## LINHA DE VENTOSAS NITRÍLICAS

**Ventosas Nitrílicas de 3 Foles** >>>>>>>>>>>>>>


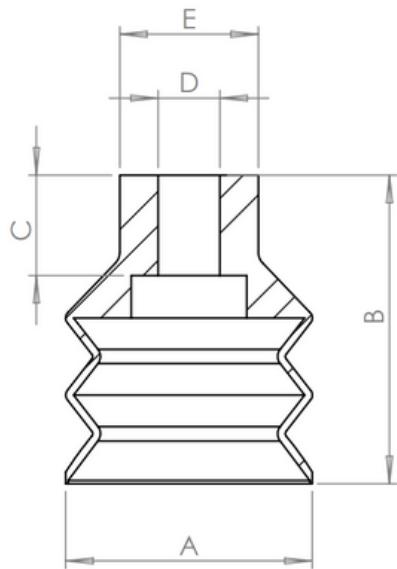
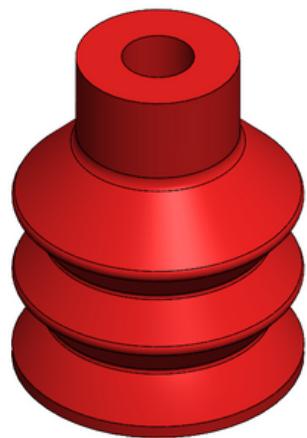
CÓDIGO	A	B	C	D	E
<b>VSN-3F-8</b>	8	19	6	8	14,5
<b>VSN-3F-10</b>	10	19	6	8	14,5
<b>VSN-3F-12</b>	12	19	6	8	14,5
<b>VSN-3F-15</b>	15	21	6	8	14,5
<b>VSN-3F-20</b>	20	25	6	7,5	15
<b>VSN-3F-25</b>	25	30	6	7,5	17
<b>VSN-3F-30</b>	30	31	6	7	17
<b>VSN-3F-40</b>	40	46	6	7	18
<b>VSN-3F-50</b>	50	42	6	7	19,5

## LINHA DE VENTOSAS DE SILICONE

**Ventosas de Silicone 2 Foles**


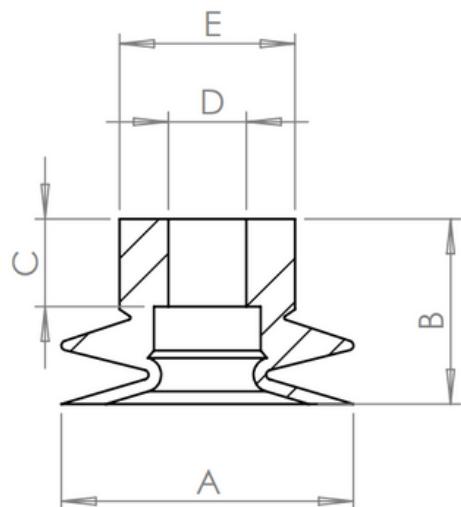
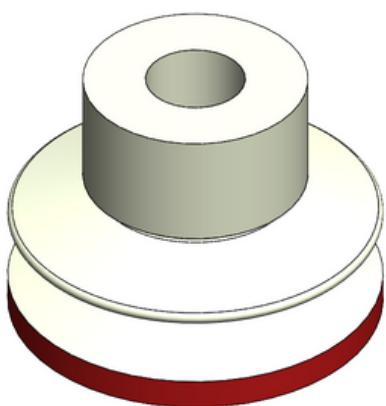
CÓDIGO	A	B	C	D	E
<b>VSS-2F-8</b>	8	17	6	8	15
<b>VSS-2F-10</b>	10	17	6	8	15
<b>VSS-2F-12</b>	12	16,4	6	8	15
<b>VSS-2F-15</b>	15	17,5	6	8	15
<b>VSS-2F-20</b>	20	17	6	8	15
<b>VSS-2F-25</b>	25	18	6	8	15
<b>VSS-2F-30</b>	30	19	6	8	18
<b>VSS-2F-40</b>	40	22	6	8	20
<b>VSS-2F-50</b>	50	26	6	8	22
<b>VSS-2F-60</b>	60	28	6	7,6	29

## LINHA DE VENTOSAS DE SILICONE

**Ventosas de Silicone 3 Foles**


CÓDIGO	A	B	C	D	E
<b>VSS-3F-8</b>	8	19	6	8	15
<b>VSS-3F-10</b>	10	18,5	6	8	14,5
<b>VSS-3F-12</b>	12	19	6	8	14,5
<b>VSS-3F-15</b>	15	21	6	8	14,5
<b>VSS-3F-20</b>	20	25	6	7,5	15
<b>VSS-3F-25</b>	25	30	6	7,5	17
<b>VSS-3F-30</b>	30	31	6	7	17
<b>VSS-3F-40</b>	40	46	6	7	18
<b>VSS-3F-50</b>	50	42	6	7	19,5

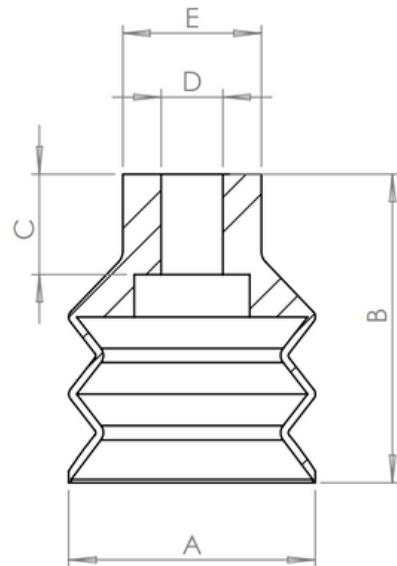
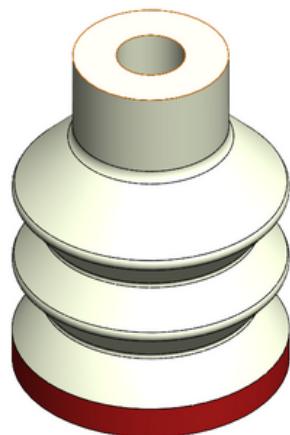
## LINHA DE VENTOSAS COM ESPUMA

**Ventosas de 2 Foles (Com Espuma 3mm)**


CÓDIGO	A	B	C	D	E
<b>VSE-2F-8</b>	8	17	6	8	15
<b>VSE-2F-10</b>	10	17	6	8	15
<b>VSE-2F-12</b>	12	16,4	6	8	15
<b>VSE-2F-15</b>	15	17,5	6	8	15
<b>VSE-2F-20</b>	20	17	6	8	15
<b>VSE-2F-25</b>	25	18	6	8	15
<b>VSE-2F-30</b>	30	19	6	8	18
<b>VSE-2F-40</b>	40	22	6	8	20
<b>VSE-2F-50</b>	50	26	6	8	22
<b>VSE-2F-60</b>	60	28	6	7,6	29

LINHA DE VENTOSAS COM ESPUMA

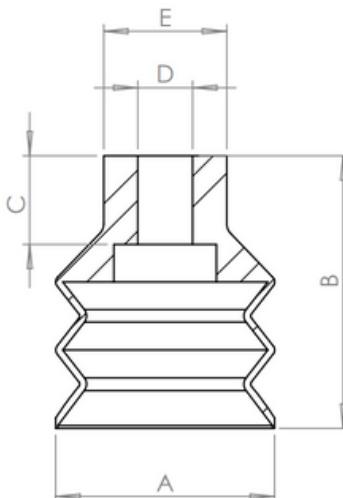
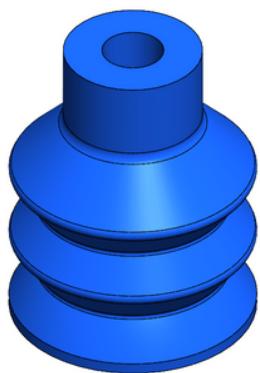
## Ventosas de 3 Foles (Com Espuma 3mm) >>>>>>>>>>>>



CÓDIGO	A	B	C	D	E
<b>VSE-3F-8</b>	8	19	6	8	14,5
<b>VSE-3F-10</b>	10	18,5	6	8	14,5
<b>VSE-3F-12</b>	12	19	6	8	14,5
<b>VSE-3F-15</b>	15	21	6	8	14,5
<b>VSE-3F-20</b>	20	25	6	7,5	15
<b>VSE-3F-25</b>	25	30	6	7,5	17
<b>VSE-3F-30</b>	30	31	6	7	17
<b>VSE-3F-40</b>	40	46	6	7	18
<b>VSE-3F-50</b>	50	42	6	7	19,5

LINHA DE VENTOSAS SITON

## Ventosas de 3 Foles de Siton

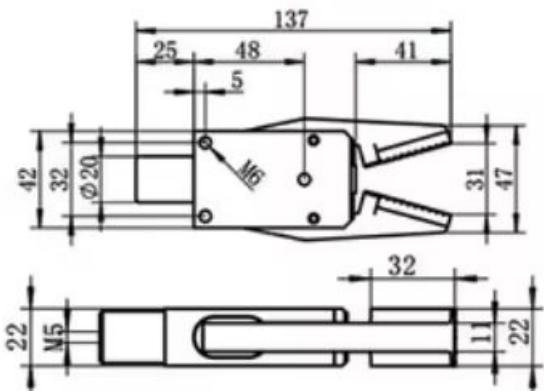
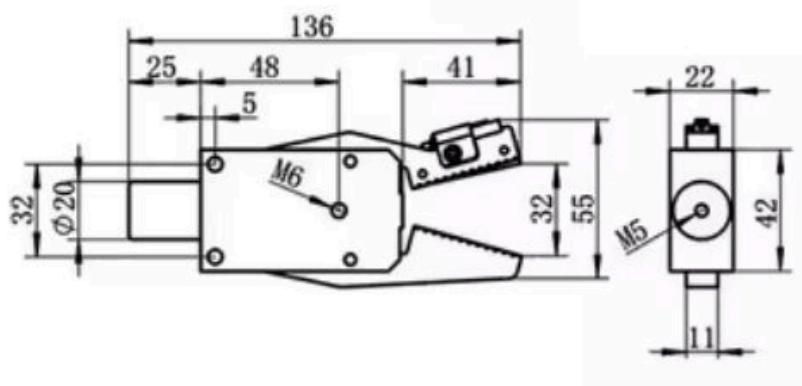


CÓDIGO	A	B	C	D	E
VSST-3F-05	5	14	3,8	3,5	7
VSST-3F-09	9	15	3,8	4,5	9
VSST-3F-12	12	21	9	4,5	9
VSST-3F-14	14	22,8	3,8	4,5	10
VSST-3F-18	18	22,6	3,8	4,5	10
VSST-3F-20	20	22,1	3,8	4,5	10
VSST-3F-25	25	34	3,8	4,5	10
VSST-3F-32	32	37,5	13	8	18
VSST-3F-42	42	46	13	8	18
VSST-3F-52	52	48,7	13	8	18
VSST-3F-62	62	54	13	8	18

Pinças  
**PNEUMÁTICAS**



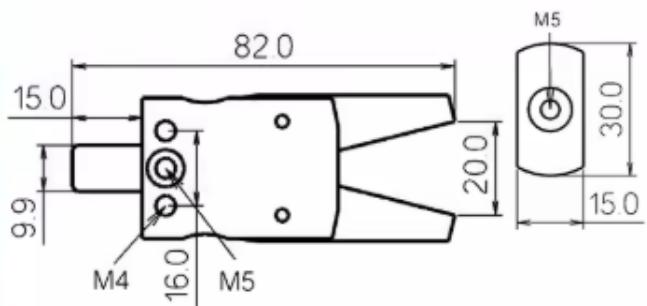
## PINÇAS PNEUMÁTICAS

**Pinça Pneumática****Código:** P-20**Pinça Pneumática Com Sensor****Código:** PS-20

## PINÇAS PNEUMÁTICAS

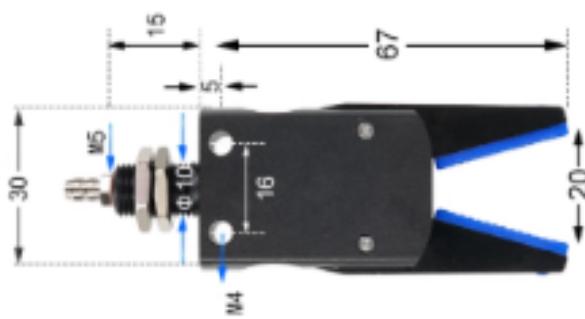
## **Mini pinça pneumática com sensor**

Código: MPS-M10



#### **Mini pinça pneumática com silicone**

Código: MPSI-M10





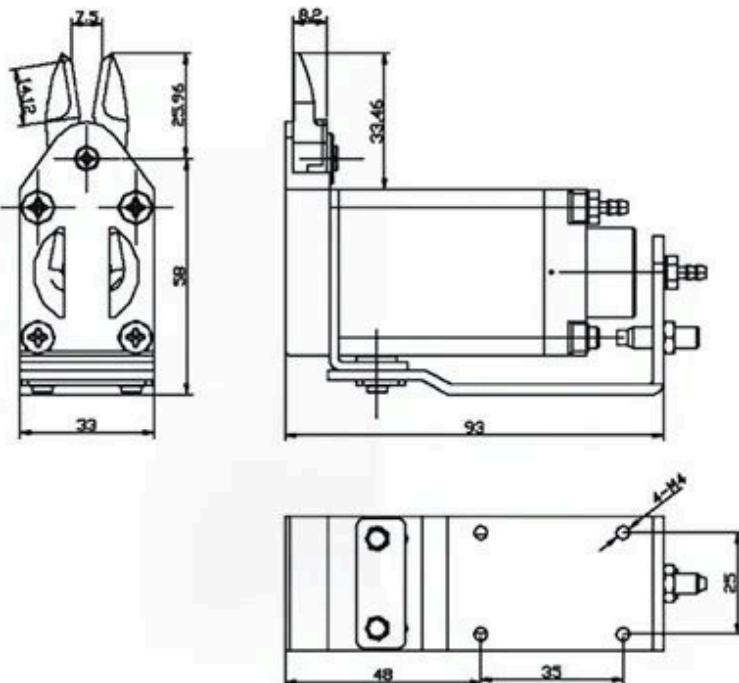
# Tesouras **PNEUMÁTICAS**



## TESOURAS PNEUMÁTICAS

### Tesoura Pneumática

**Código: GTNY15/NY15RAJ**



**Max. Capacidade do corte**

**Plástico rígido: 2.6mm**

**Plástico macio: 4.0mm**

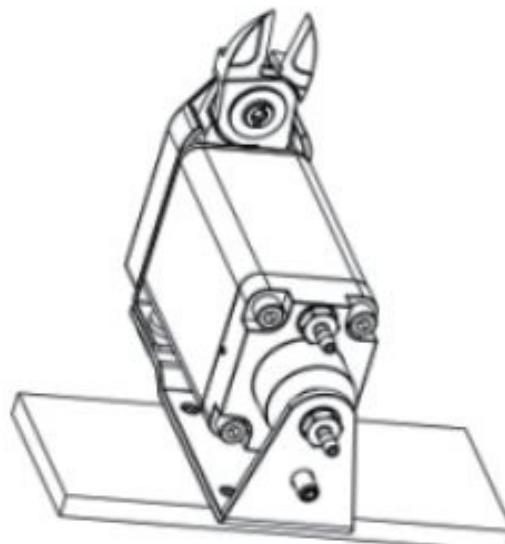
**Consumo do ar: 136cm<sup>3</sup>/ciclo**

**Pressão do ar: 0.4-0.5Mpa**

**Entrada do ar: 4mm**

**Deslizando a distância: 0-3mm**

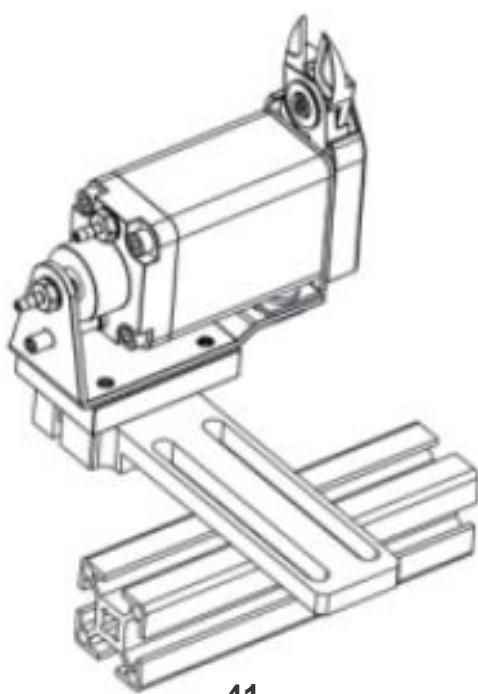
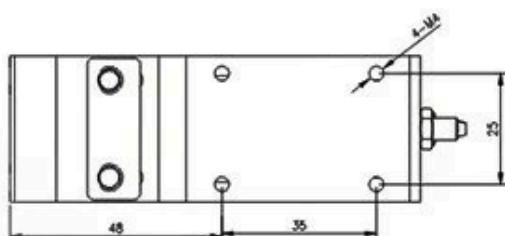
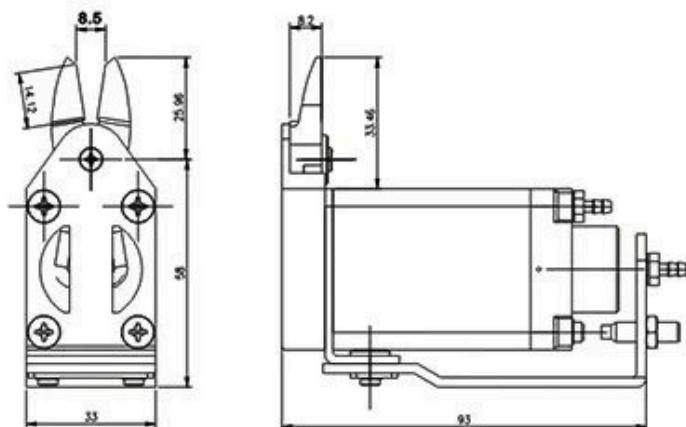
**Peso: 360g**



TESOURAS PNEUMÁTICAS

## Tesoura Pneumática

Código: GTNY15/NY15AJ



# Tesoura Pneumática Grande

*Código: TS-01*



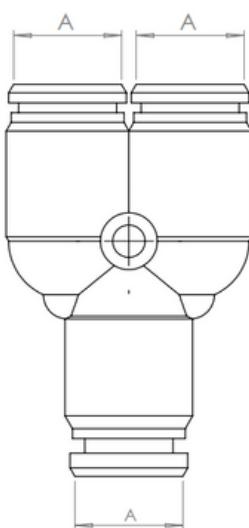


# Conexões PNEUMÁTICAS



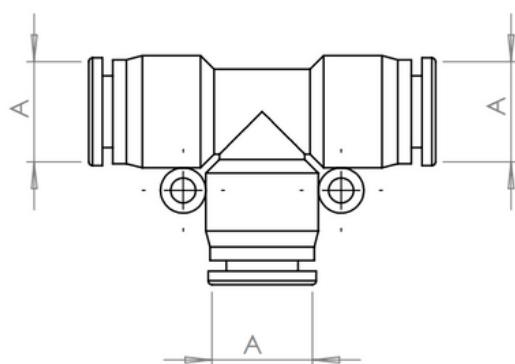
CONEXÕES PNEUMÁTICAS PARA MANGUEIRAS PU

## Conexões pneumáticas em Y



CÓDIGO	A
CN-Y-4	4
CN-Y-6	6

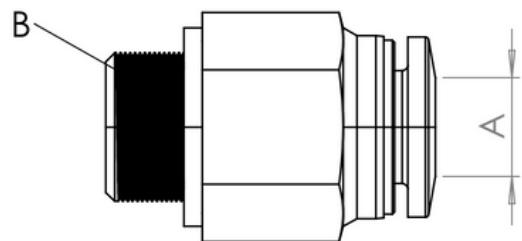
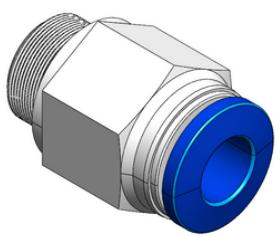
## Conexões pneumáticas em T



CÓDIGO	A
CN-T-4	4
CN-T-6	6

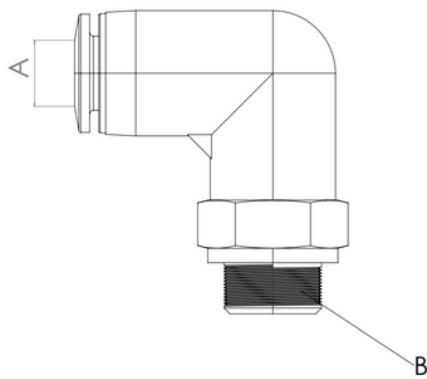
CONEXÕES PNEUMÁTICAS PARA MANGUEIRAS PU

## Conexões pneumáticas retas >>>>>>>>>>>>



CÓDIGO	A	B
CN-R-04-M5	4	M5
CN-R-04-1/8	4	1/8" BSP
CN-R-06-M5	6	M5
CN-R-06-1/8	6	1/8" BSP

## Conexões pneumáticas joelho >>>>>>>>>>>>



CÓDIGO	A	B
CN-J-04-M5	4	M5
CN-J-04-1/8	4	1/8" BSP
CN-J-06-M5	6	M5
CN-J-06-1/8	6	1/8" BSP



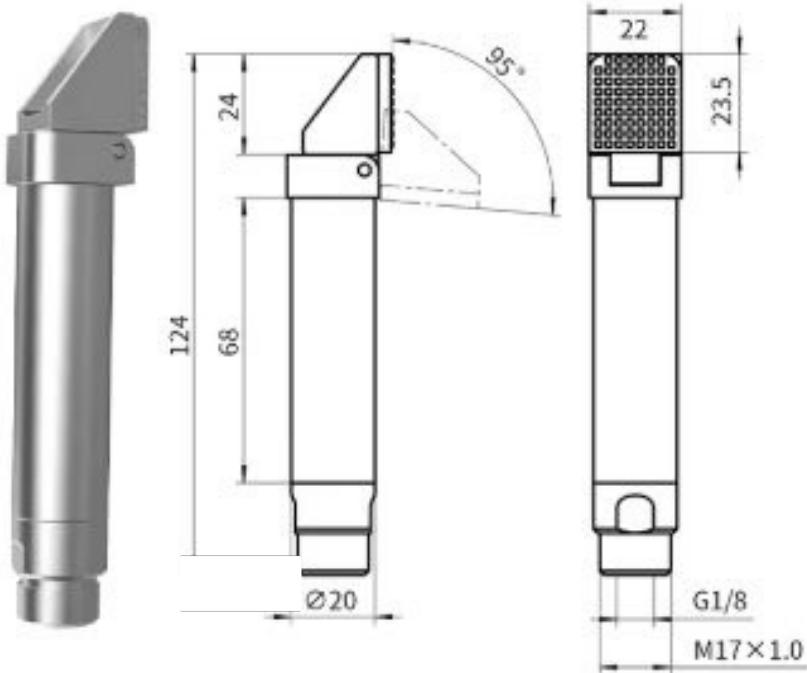
# FINGERS



FINGERS

**FINGER R20-95** >>>>>>>>>>>>

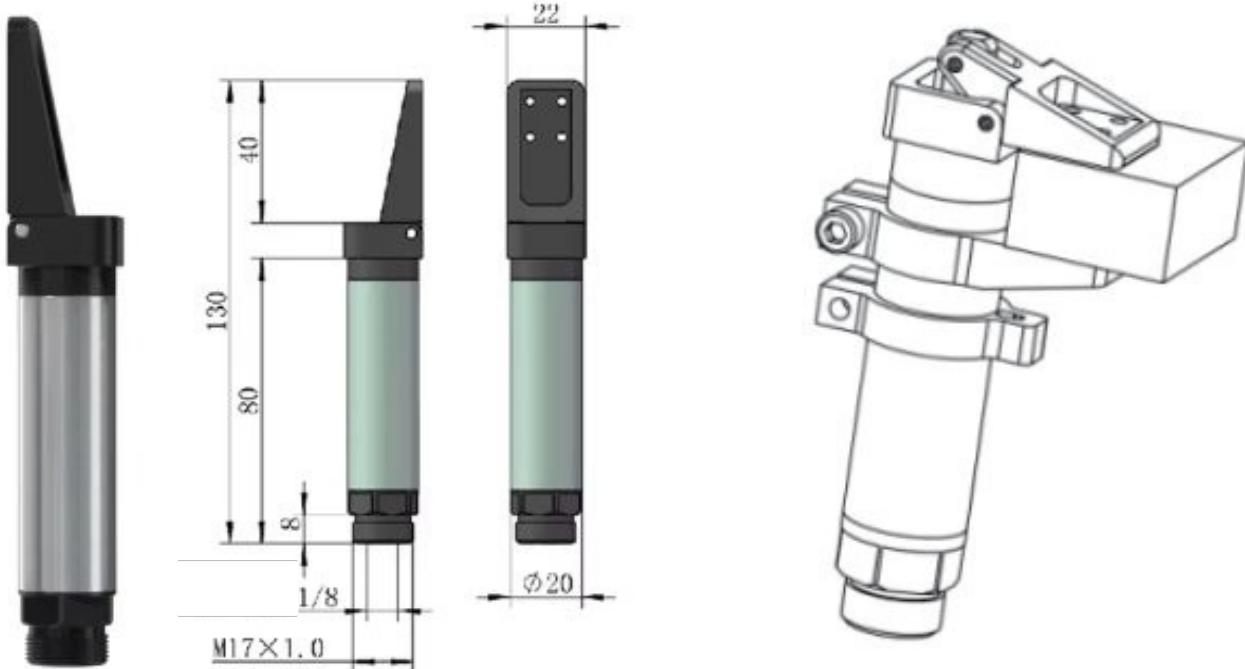
Código: FR20-L95



FINGERS

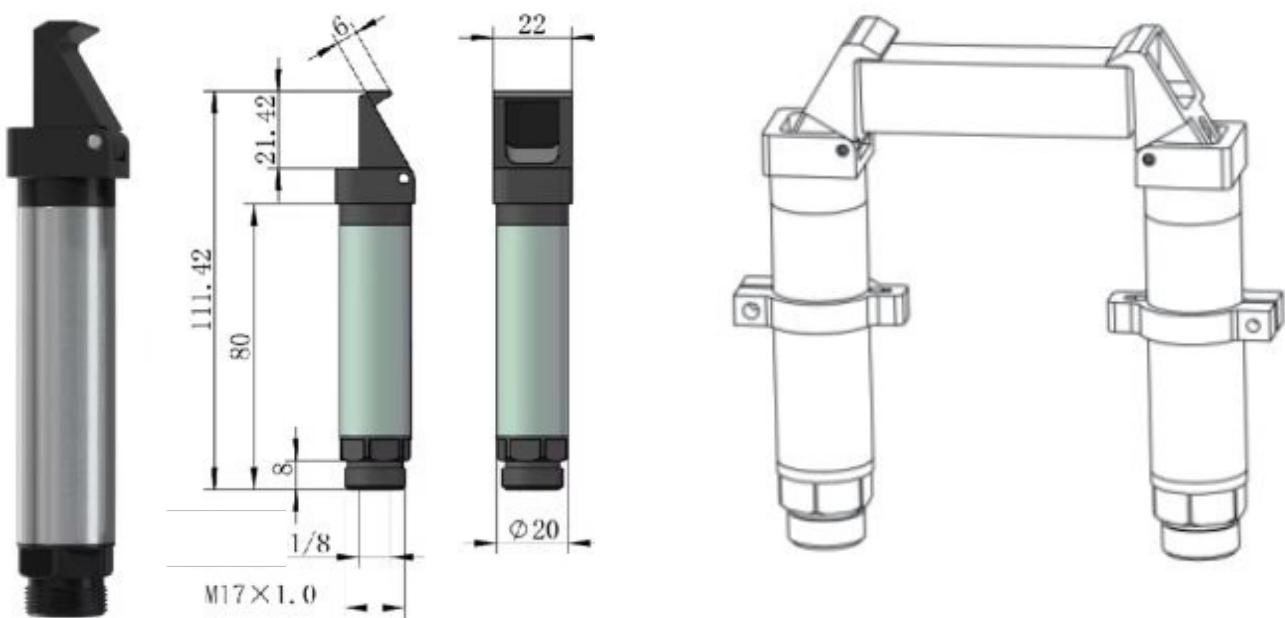
**FINGER 20-95L** >>>>>>>>>>>>

Código: F20-L95



**FINGER 20-35** >>>>>>>>>>>>

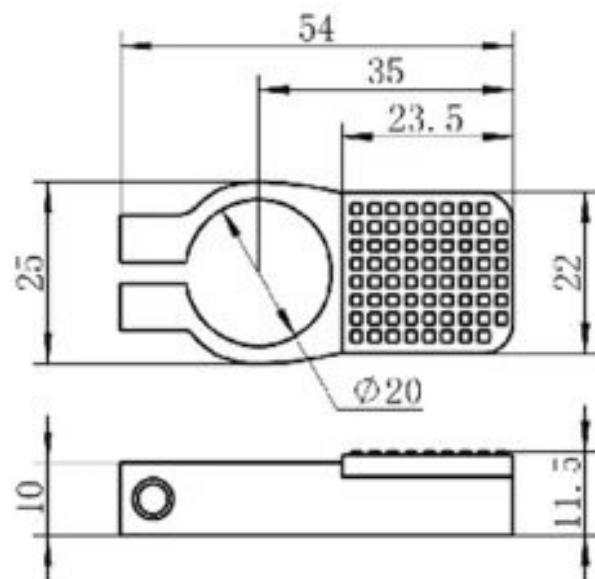
Código: F-2035



BASES DE FINGERS

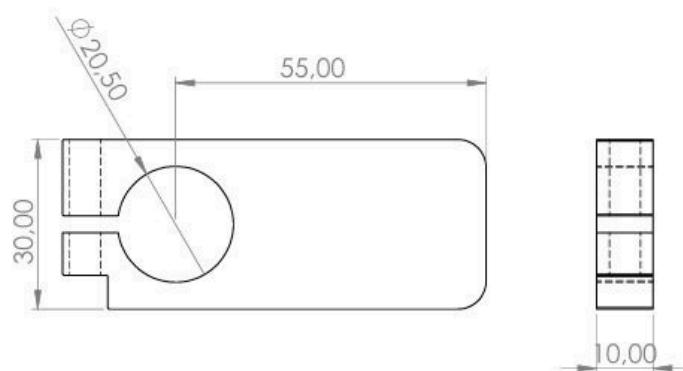
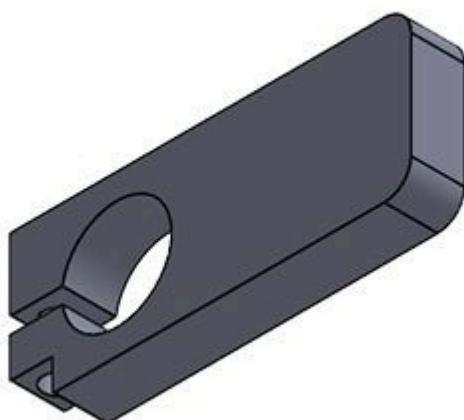
## Base de Finger TCE 20

Código: BF-20



## Base de Finger Nylon 20

Código: BFN-20





Cilindros  
**PNEUMÁTICOS**



## LINHA DE CILINDROS PNEUMÁTICOS

### Cilindro Pneumático Y

*Código: CL-A-20*

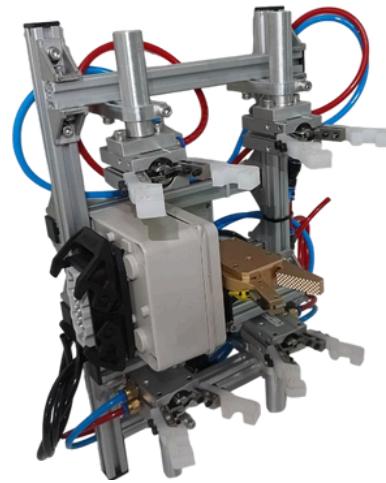


### Cilindro Pneumático P

*Código: CL-P-20*



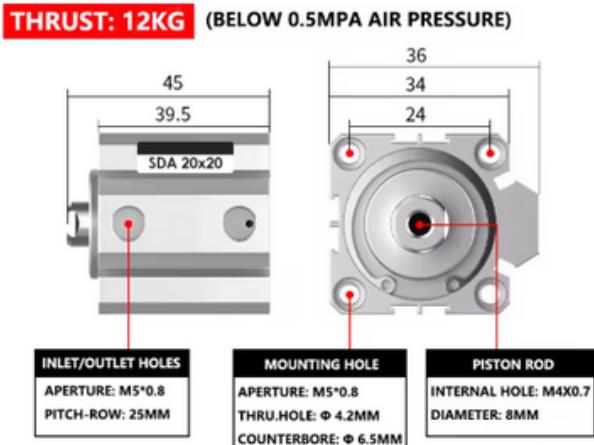
*Essas soluções são utilizadas para pegar especiais, para a manipulação de peças que exigem contato direto com o produto, especialmente em áreas de difícil acesso para a coleta.*



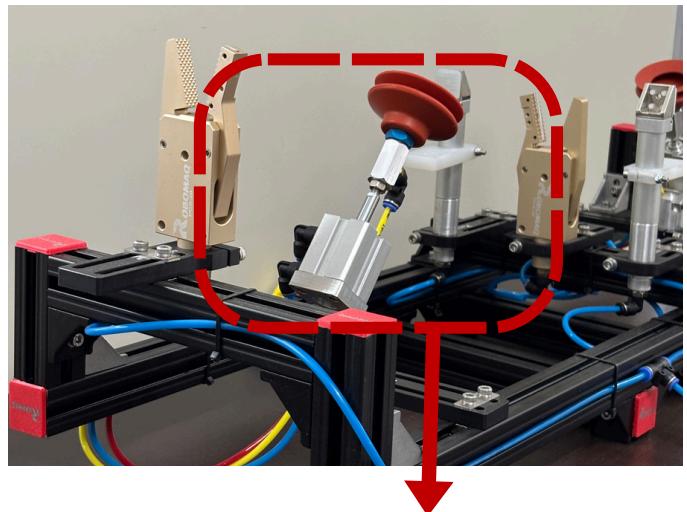
## LINHA DE CILINDROS PNEUMÁTICOS - LINHA SDA

### Cilindro Pneumático DA-20-20

Código: CL-DA-20-20

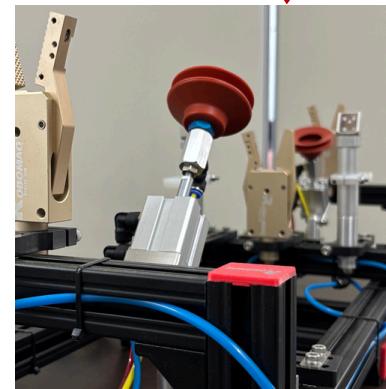
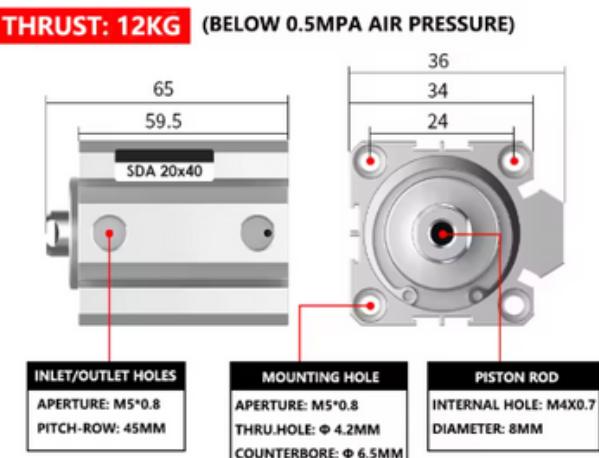


### Aplicações



### Cilindro Pneumático DA-20-40

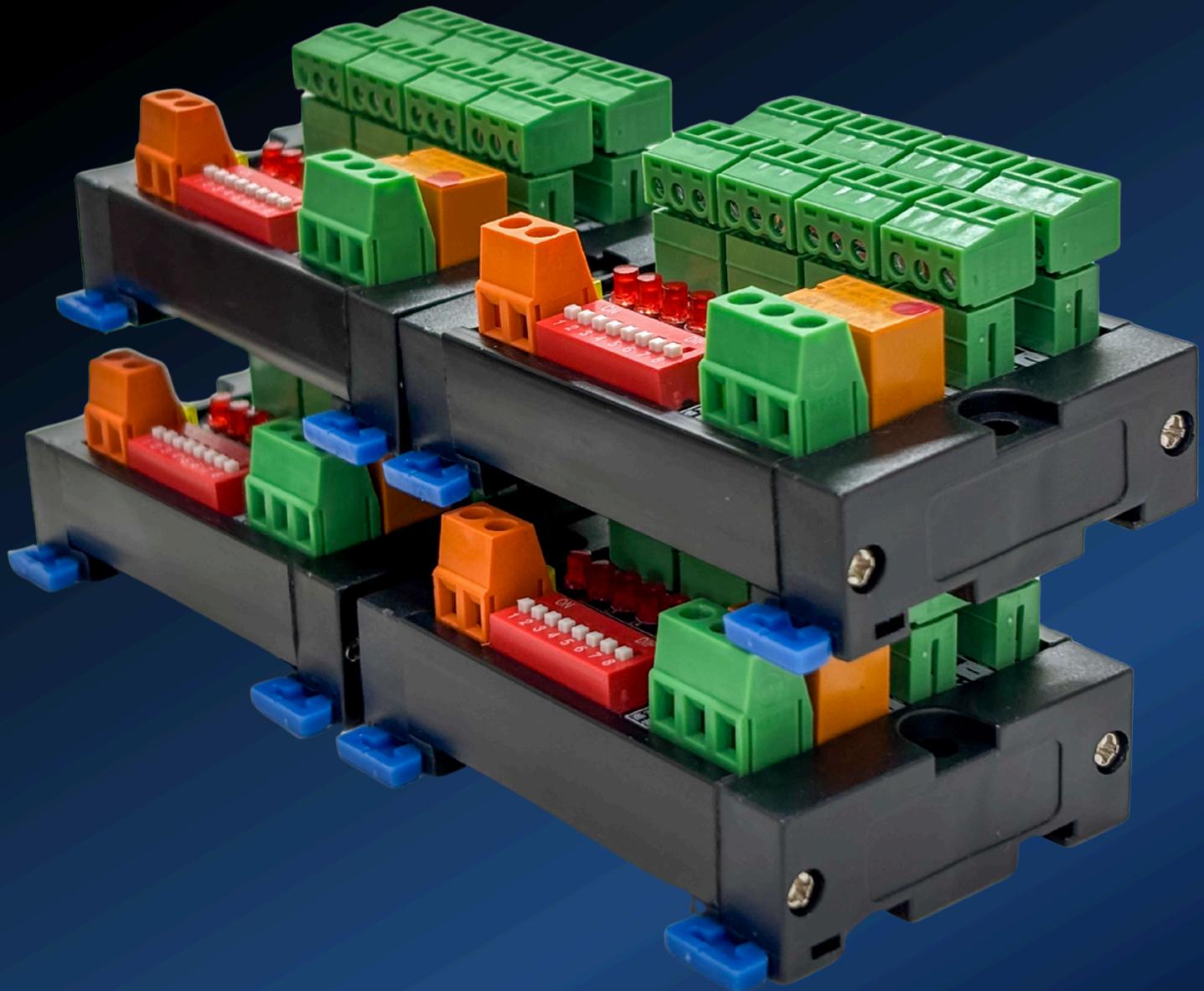
Código: CL-DA-20-40



*Esse recurso é aplicado em áreas de coleta com ângulos superiores a 45º, permitindo, a retirada através do cilindro dupla ação.*



# Módulos **ELETRÔNICOS** para sensores



## LINHA DE MÓDULOS ELETRÔNICOS

### Módulo Eletrônico Lógica AND até 4 Canais

**Código: ME-4C**



**Nome do Produto:** Módulo Terminal Lógico AND com 4,8,12 Entradas e Saída por Relé

**Tensão de Operação:** 24 VCC

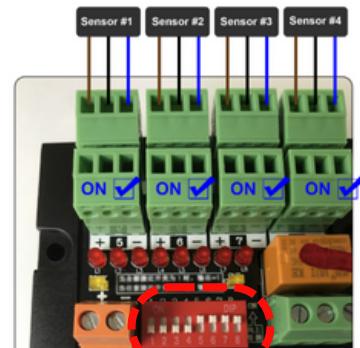
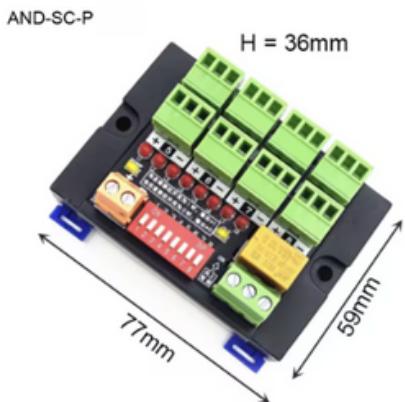
**Corrente Nominal:** Total de 700mA

**Relé:**  
3A 250V CA  
3A 30V CC

**Tipos de Sensores Suportados:** NPN/PNP  
(Opcional)

### Módulo Eletrônico Lógica AND até 8 Canais

**Código: ME-8C**

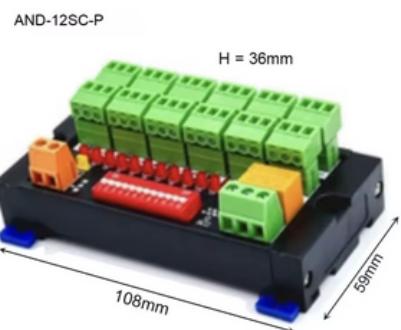


**Chave Seletora**

O módulo é equipado com chaves seletoras, permitindo a utilização de múltiplos sensores conforme a necessidade da aplicação, respeitando o limite máximo de canais disponíveis.

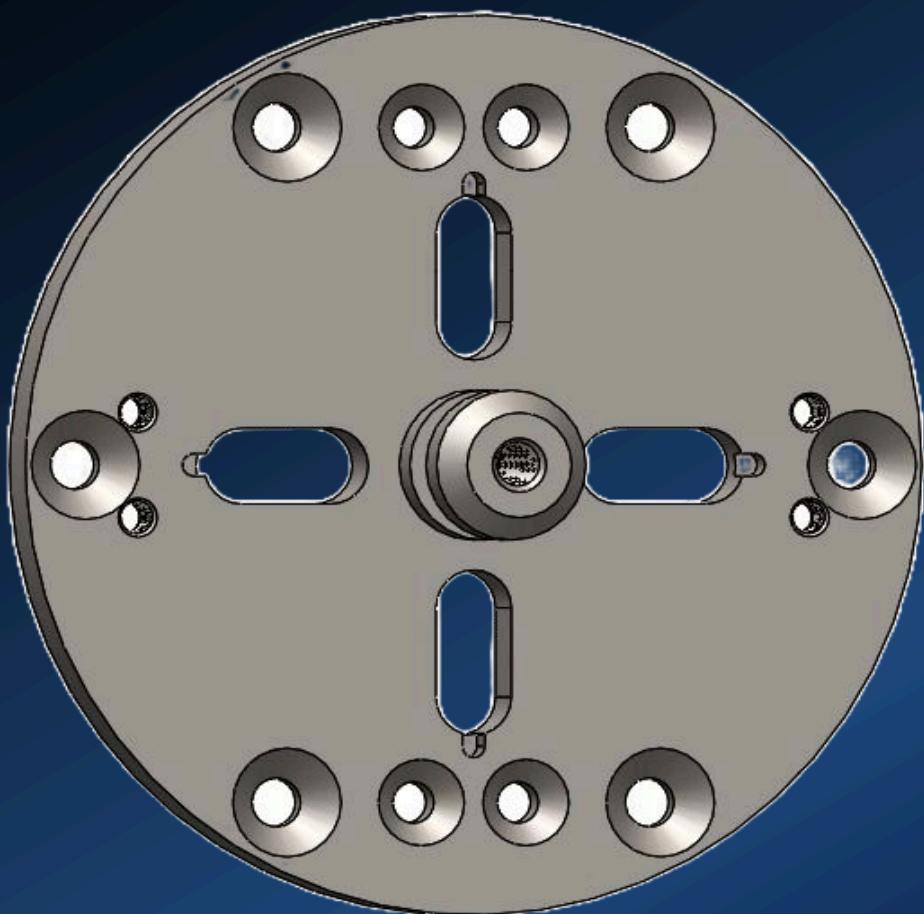
### Módulo Eletrônico Lógica AND até 12 Canais

**Código: ME-12C**





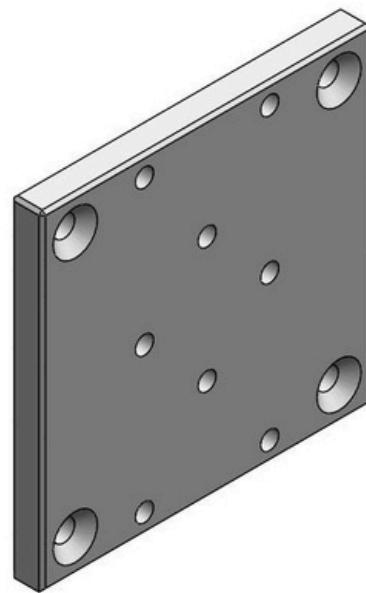
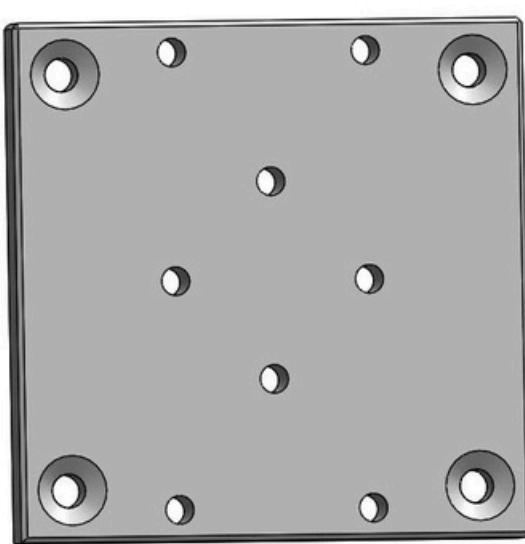
Chapas de  
**ACOPLAMENTO**  
de robô



CHAPAS DE ACOPLAMENTO DE ROBÔ

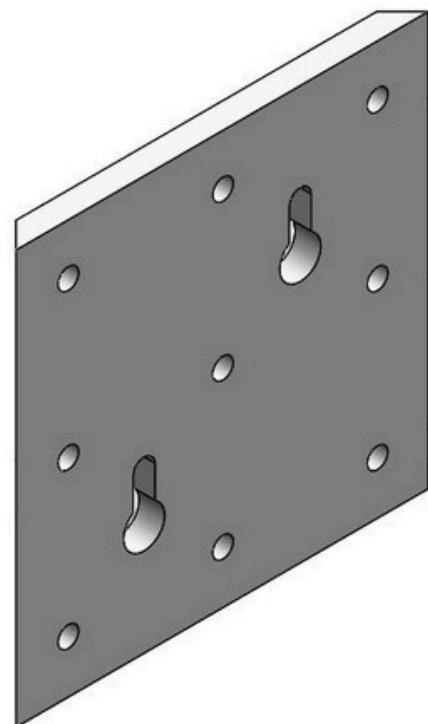
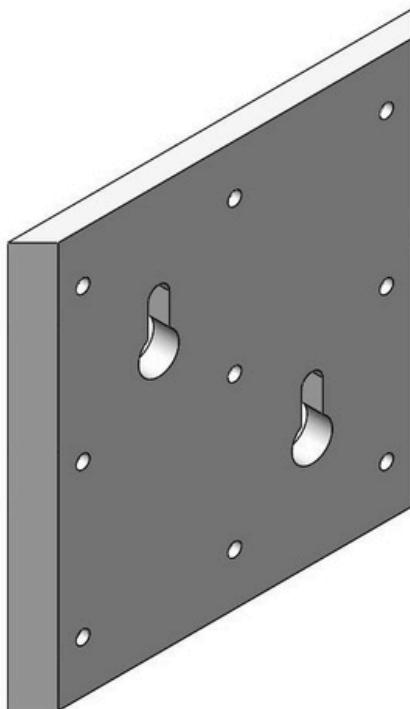
## Chapa de Acoplamento ATM 100X100 >>>>>>>>>>>

Código: CA-01



## Chapa de Acoplamento WDP 150X150 >>>>>>>>>>>>

Código: CA-02



## CHAPAS DE ACOPLAMENTO DE ROBÔ

**Código: CA-03**



**Chapa de Acoplamento SBP120** >>>>>>>>>>>>>>>>

Código: CA-04



## CHAPAS DE ACOPLAMENTO DE ROBÔ

### Chapa de Acoplamento OX-LBI

Código: CA-05



### Chapa de Acoplamento OX-WLBI

Código: CA-06



## CHAPAS DE ACOPLAMENTO DE ROBÔ

### Chapa de Acoplamento SBI

*Código: CA-07*



### Chapa de Acoplamento PSC

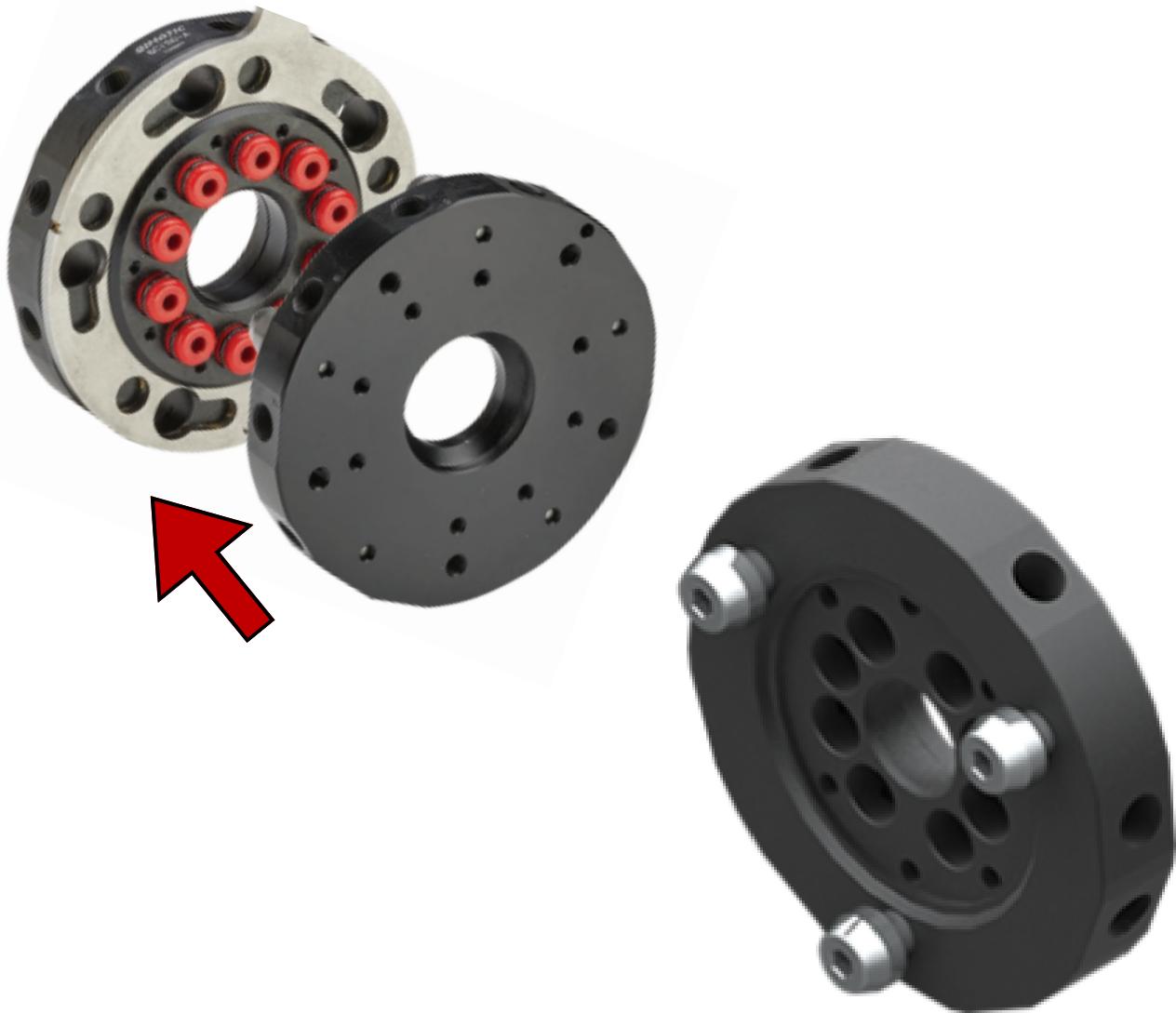
*Código: CA-08*



CHAPAS DE ACOPLAMENTO DE ROBÔ

## Chapa de Acoplamento QC90-B

Código: CA-09



**QC90-B**



@robomaq



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*Lenilson.terres@robomaqengenharia.com.br*

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