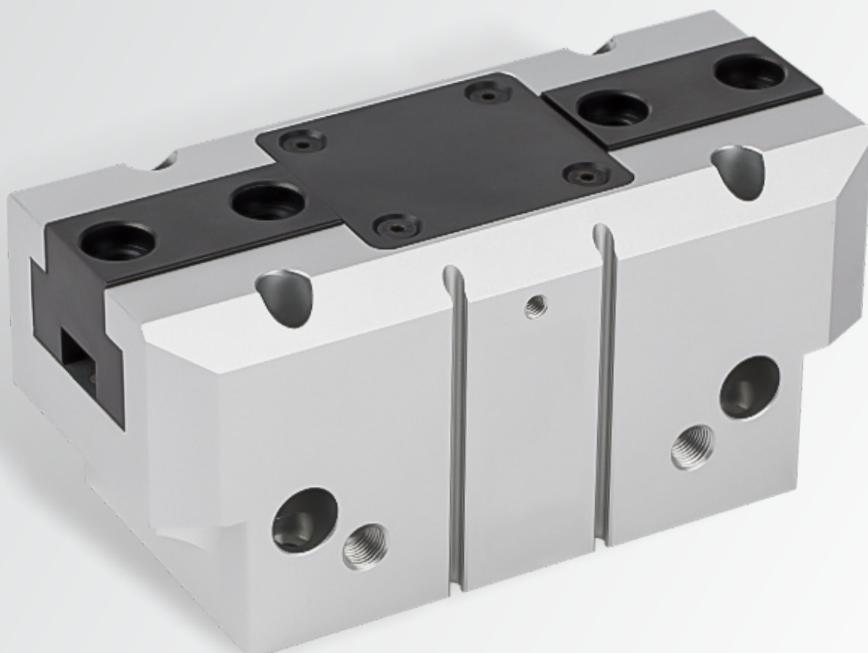


# Catálogo Técnico

## Garra Pneumática Heavy Duty Série CHN2



### Vantagens

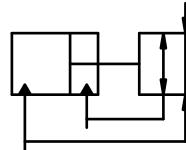
- Leve e Compacto
- Alta resistência.
- Robustez e Durabilidade
- Disponível em 7 tamanhos



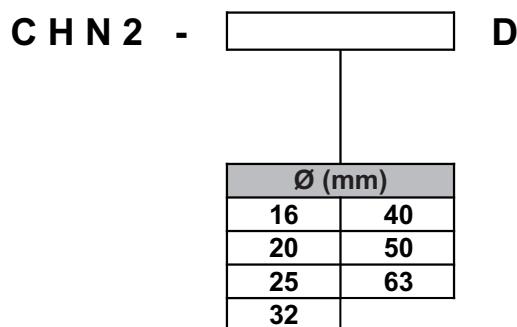
### Características Técnicas

Modelo	CHN2-16	CHN2-20	CHN2-25	CHN2-32	CHN2-40	CHN2-50	CHN2-63
Curso de Abertura e Fechamento (mm)	5	8	12	16	20	26	32
Conexão	M3x0.5		M5x0.8			Rc1/8"	
Ação			Dupla Ação				
Fluído			Ar Comprimido				
Pressão de Operação (Bar)			2 ~ 8 Bar				
Temperatura de Trabalho (°C)			-5° ~ 60°C (Sem Congelamento)				
Lubrificação			Não necessária				
Amortecimento			Nenhum				
Repetibilidade (mm)			± 0.01				
Máx. Frequência de Operação (c.p.m)		50			40		
Peso (Kg)	0.07	0.15	0.25	0.50	0.80	1.30	2.60
Sensor Aplicável			SM-07				

### Simbologia:



### Codificação



### Sensor Aplicável

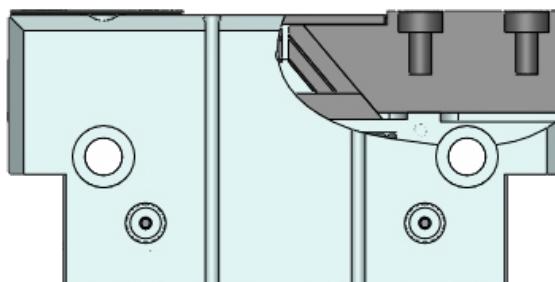


SM-07 [ ] - [ ]

Tipo		Cabo	
R	Reed (2 fios)	2M	2 metros
P	PNP (3 fios)	M8	Conector M8
N	NPN (3 fios)		

Exemplo: **SM-07P-M8**  
**SM-07N-2M**

### Construção

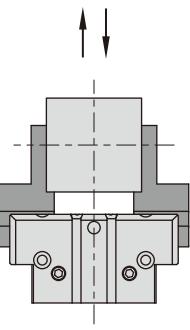


Ø (mm)	Área de Compressão (mm <sup>2</sup> )		Ângulo entre a direção do Guia e o Pistão
	Dedos Fechados	Dedos Abertos	
16	172	201	40°
20	264	314	
25	440	490	
32	725	804	
40	1143	1256	
50	1762	1963	
63	2803	3117	

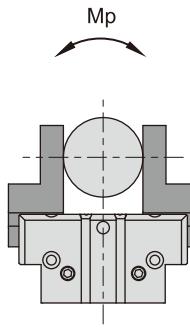
## Carga Permitida

Ø (mm)	Carga dianteira Permitida (N)	Momento Permitido (N·m)		
		Passo	Guinada	Rolagem
16	200	10	4	8
20	400	20	8	16
25	800	48	32	32
32	1000	60	40	45
40	1500	100	55	65
50	2500	120	70	95
63	4000	160	85	125

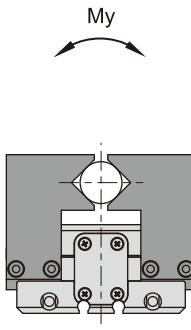
Diagrama de Força



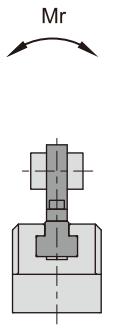
$M_p$



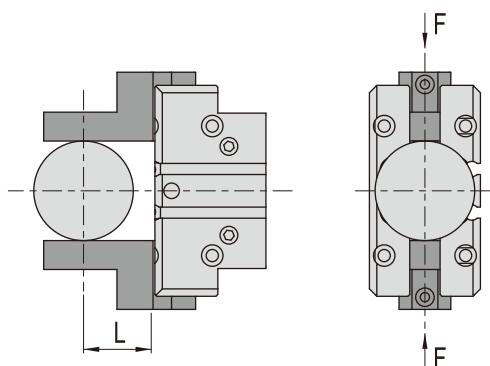
$M_y$



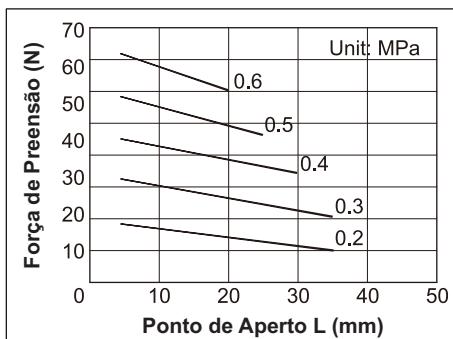
$M_r$



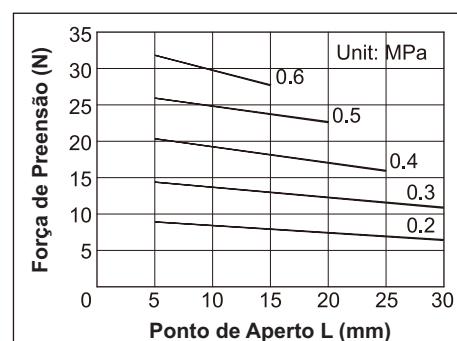
## Força Externa - Ponto L



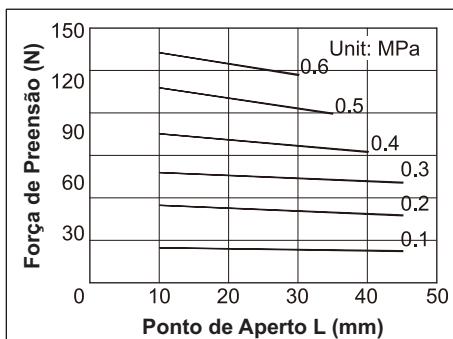
• CHN2-16D



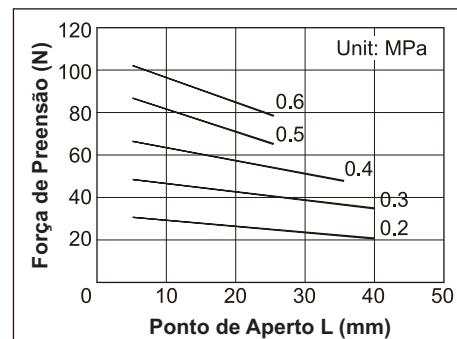
• CHN2-16D



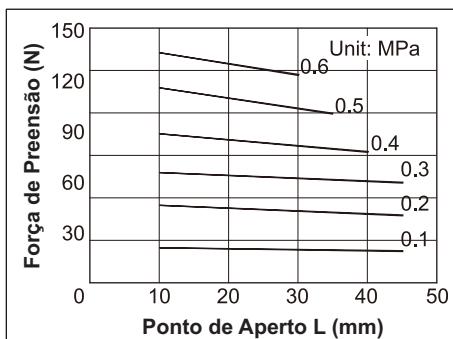
• CHN2-20D



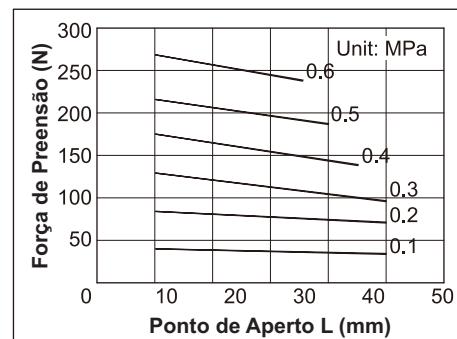
• CHN2-20D



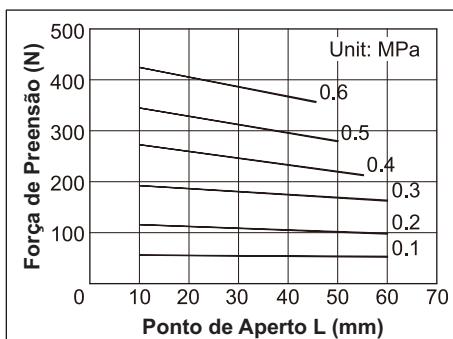
• CHN2-32D



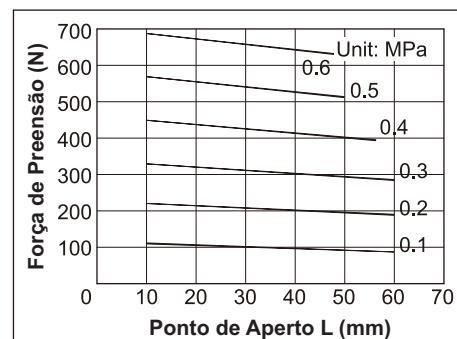
• CHN2-32D



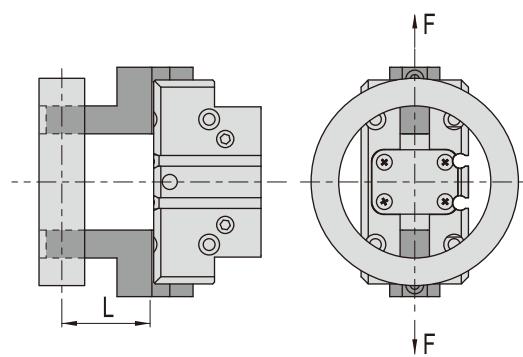
• CHN2-50D



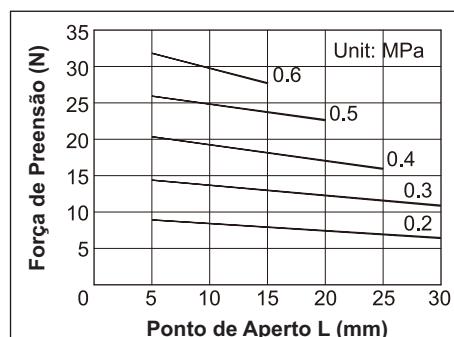
• CHN2-50D



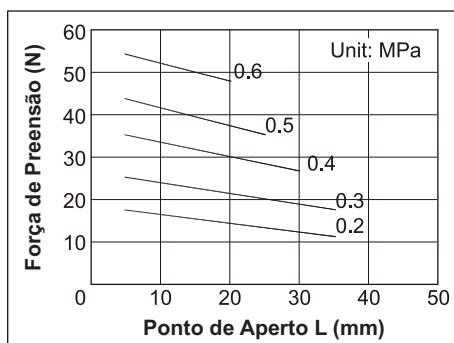
## Força Interna - Ponto L



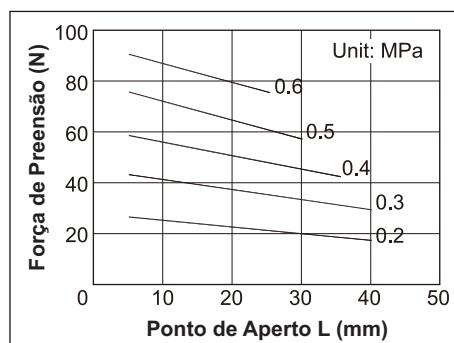
### • CHN2-16D



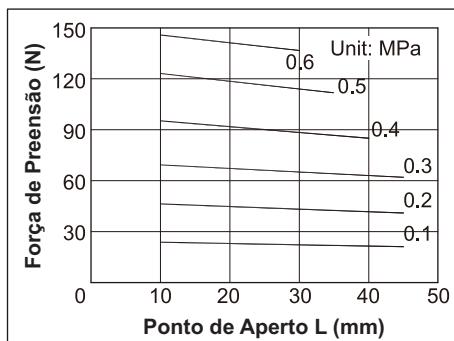
### • CHN2-20D



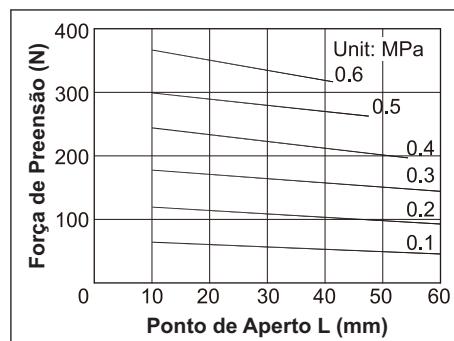
### • CHN2-25D



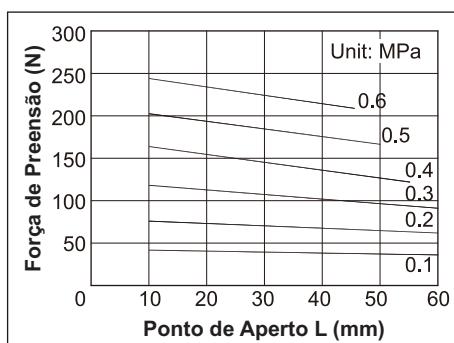
### • CHN2-32D



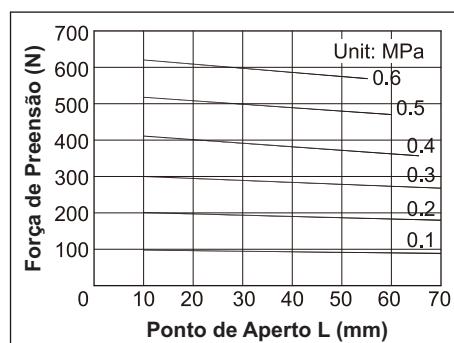
### • CHN2-40D



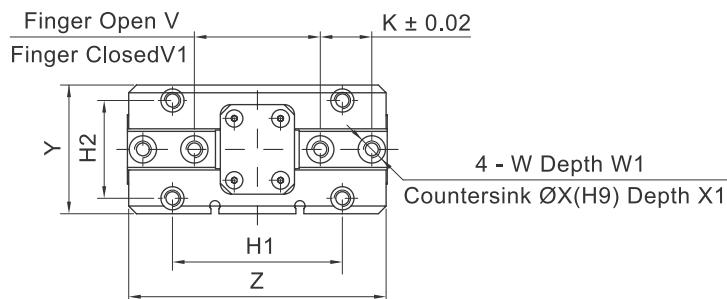
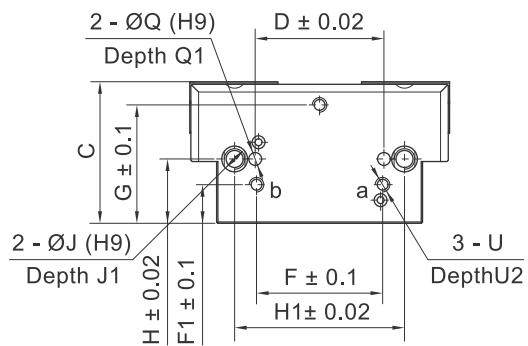
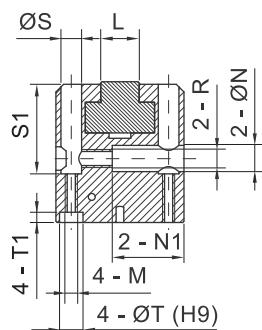
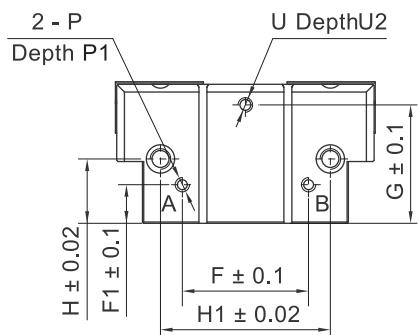
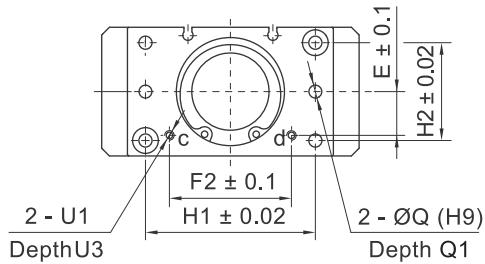
### • CHN2-50D



### • CHN2-63D



## Dimensional

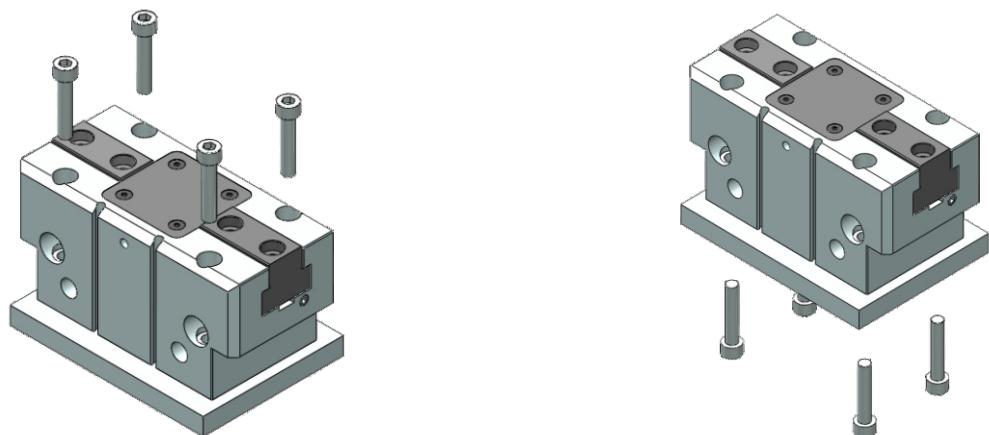


Ø(mm)	C	D	E	F	F1	F2	G	H	H1	H2	J	J1	K	L	M	N	N1	P	P1	Q	Q1
<b>16</b>	24	-	6.8	22	8	20	18.6	11	32	18	5	1.2	8	6	M3x0.5	4.8	14	M3x0.5	4	-	-
<b>20</b>	30	-	8.7	24	10	22.6	25.5	14.5	35	22	6	1.5	12	8	M4x0.7	5.8	18	M5x0.8	4.5	-	-
<b>25</b>	38	20	10	31	10	27	33	17.5	42	27	8	2.9	13	10	M5x0.8	7.2	25	M5x0.8	4.5	4	4
<b>32</b>	48	38	12	40	12	37	39.5	20	52	32	8	2.9	16	12	M5x0.8	9	24	M5x0.8	6	4	6
<b>40</b>	55	50	17	49	15	47.4	46	25	66	38	10	3.7	20	14	M6x1.0	11	28	Rc1/8"	7	5	5
<b>50</b>	63	60	20	63	15	61	53	30	82	45	12	3.7	24	16	M8x1.25	14	38	Rc1/8"	7	6	6
<b>63</b>	77	76	24.5	70	18	75	61	28	100	56	12	3.7	32	20	M8x1.25	14	41	Rc1/8"	7	6	7

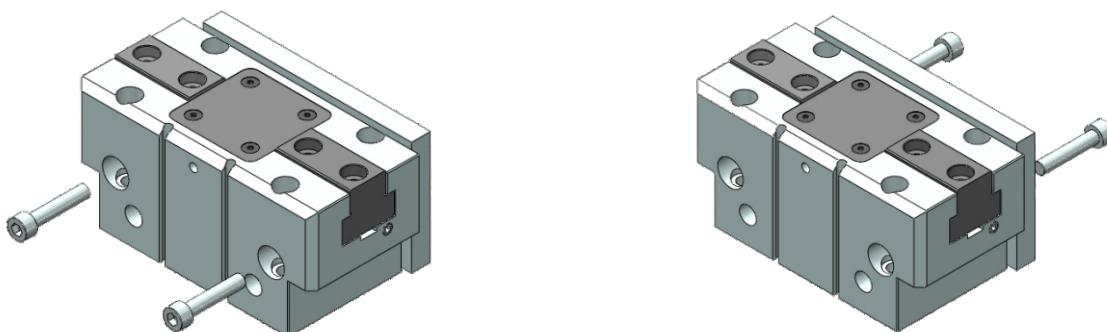
Ø(mm)	R	S	S1	T	T1	U	U1	U2	U3	V	V1	W	W1	X	X1	Y	Z
16	M3x0.5	4.8	16	5	1.9	M3x0.5	M2x0.4	4	4	27	22	M2.5x0.45	4	4	2	24	45
20	M4x0.7	5.8	17.5	6	2.9	M5x0.8	M3x0.5	4.5	4	34	26	M3x0.5	6	5	2	30	57
25	M5x0.8	7.2	24.1	8	2.9	M5x0.8	M3x0.5	4.5	4	41	29	M4x0.7	7	6	3	36	64
32	M6x1.0	7.4	33	8	2.9	M5x0.8	M3x0.5	5	4	53	37	M5x0.8	7	8	3	42	80
40	M8x1.25	9	35	10	3.7	M5x0.8	M3x0.5	6	4	67	47	M6x1.0	10	10	4	50	100
50	M10x1.25	11	39.5	12	3.7	M5x0.8	M5x0.8	6	6	87	61	M6x1.0	9	10	5	60	125
63	M10x1.25	11	55.5	12	3.7	M5x0.8	M5x0.8	6	6	109	77	M10x1.25	10	14	5	72	160

## Exemplo de Montagem

- **Lateral**



- **Axial**





### Precauções

- Certifique-se de verificar o Atuador por completo antes da instalação.
- As aplicações precisam ser tratadas com cuidado e atenção quanto à pressões máximas e mínimas, fluxo requerido, materiais de construção, compatibilidade química, função e tamanho à ser utilizado.
- Garantir o pleno funcionamento do sistema de tratamento de ar, prolongando assim, a vida útil dos produtos.
- Garantir a total limpeza dos tubos e conexões antes de serem conectados ao atuador.
- Não exceder a pressão máxima de trabalho, afim de evitar danos ao produto, máquina e até mesmo ao operador.