



SOBRE A TRÊS-S

A Três-s Ferramentas de Precisão foi fundada em 1969, líder de mercado na produção de pinos retificados.

Desde o começo a empresa investiu em equipamentos e tecnologia de ponta para se tornar a principal fabricante de ferramentas para os setores de estamparia e injeção plástica do país.

Contamos com certificação ISO 9001 e uma equipe altamente treinada e qualificada, buscando sempre trazer inovações e melhorias através de um rigoroso controle no recebimento de matéria prima e no processo produtivo, com inspeção dimensional, visual e acabamentos.

Em 2020 inauguramos um novo e moderno parque fabril, que faz parte de um programa de expansão de nossas atividades. Nossa nova estrutura permite a melhoria de nossa eficiência e capacidade produtiva e pronta para atender com a melhor qualidade nossos clientes.

Agradecemos a confiança e temos total convicção que podemos evoluir ainda mais, melhorando sempre nosso atendimento e a qualidade Três-S que você já conhece.



E-COMMERCE



Desenvolvido para oferecer uma experiência mais moderna e qualificada, com informações cada vez mais claras e pertinentes para a sua tomada de decisão. O novo site da Três - S conta com uma estrutura de e-commerce, onde será possível realizar uma experiência cada vez mais próxima, será uma plataforma interativa onde será possível adquirir nossos produtos.



Linkedin



Instagram



tres-s.com.br

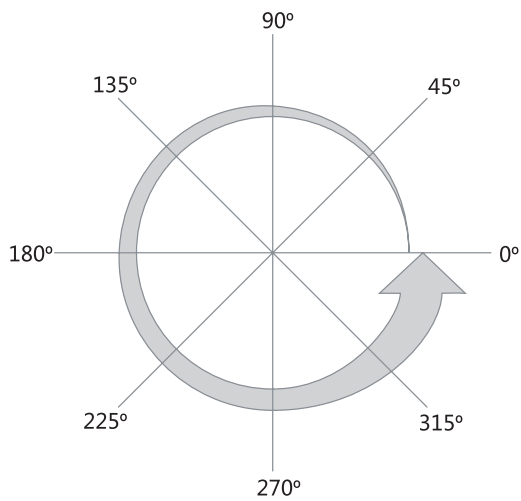


Whatsapp

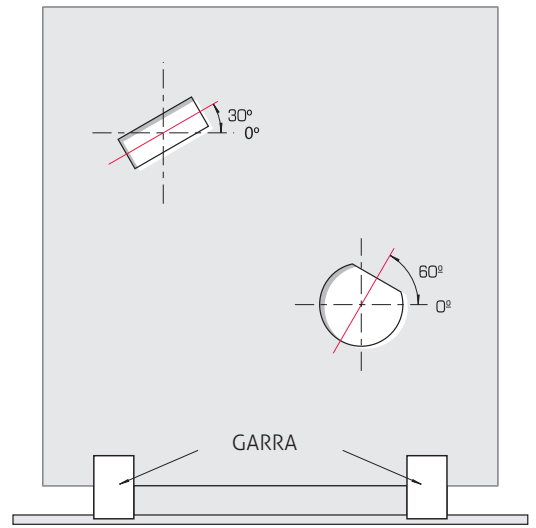
ÍNDICE GERAL

Inofrmações Técnicas.....	02
Tipos de Ferramenta.....	03
Série Básica A 1/2.....	05
Série Básica B 1-1/4.....	06
Série Básica.....	07
Série Métrico A 1/2.....	08
Série Métrico B 1-1/4.....	09
Série Métrico.....	10
Série 90 A 1/2	11
Série 90 B 1-1/4	12
Estação C/D/E.....	13
Série Ultra - Estação A 1/2.....	14
Série Ultra - Estação B 1-1/4.....	15
Série Ultra - Estação C/D/E.....	16
Ferramenta de Corte.....	17
Sistema R.I.....	18
Finn power/Euromac/Durma.....	19
Formas Especiais.....	21
Ferramentas Rolling.....	22
Multifuro.....	23
Repuxo Para Rosca.....	24
Escareado.....	25
Repuxo Nervura.....	26
Côncavo/Repuxo Escareado.....	27
Repuxo com Pré Furo.....	28
Ferramenta de Estampagem.....	29
Veneziana.....	30
Dobradiça/Guia de Cartão.....	31
Espiral de Rosca.....	32
Corte e Dobra.....	33
Multi Traçadora/Semi Corte.....	34
Texturizada/Scratch/Expandido.....	35
Formatos.....	36

INFORMAÇÕES TÉCNICAS



POSIÇÃO DA CHAVETA

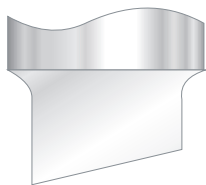


POSIÇÃO DA CHAVETA NA CHAPA
VISTA DE CIMA DA MÁQUINA

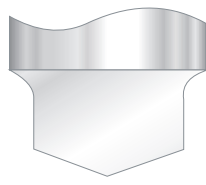
POSIÇÃO DA CHAVETA



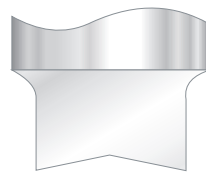
TIPOS DE AFIAÇÃO



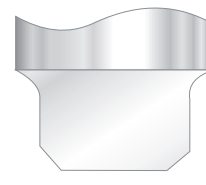
WHISPER 1X



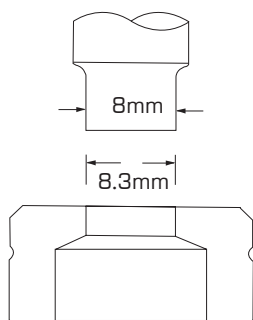
WHISPER 2X



WHISPER INVERTIDO



CORTE J.K



.8.3-8mm = 0.3mm = Total de Folga

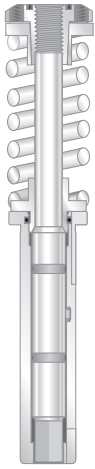
Folga total recomendada

Espessura do Material	Folga para alumínio	Folga para aço carbono	Folga para aço inoxidável
1.00	0.15	0.20	0.20
1.50	0.23	0.30	0.40
2.00	0.30	0.40	0.50
3.00	0.60	0.75	0.90
4.00	0.80	1.00	1.20
5.00	1.00	1.25	1.75
6.35	1.60	2.00	2.22

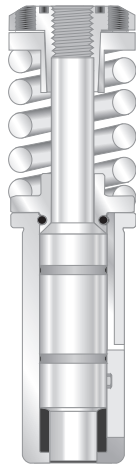
TIPOS DE FERRAMENTA

SÉRIE BÁSICA

ESTAÇÃO A



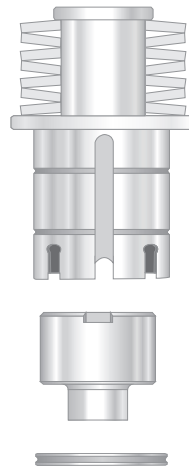
ESTAÇÃO B



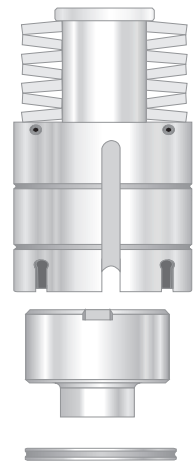
ESTAÇÃO C



ESTAÇÃO D

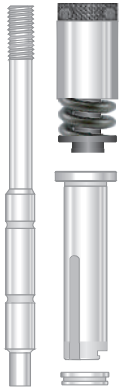


ESTAÇÃO E

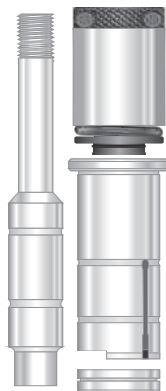


SÉRIE MÉTRICO

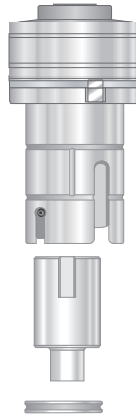
ESTAÇÃO A



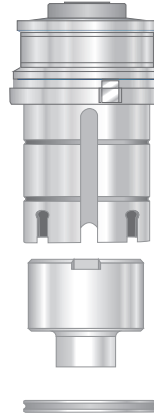
ESTAÇÃO B



ESTAÇÃO C



ESTAÇÃO D

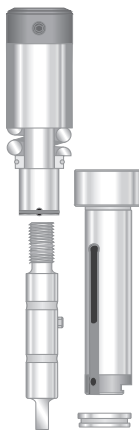


ESTAÇÃO E

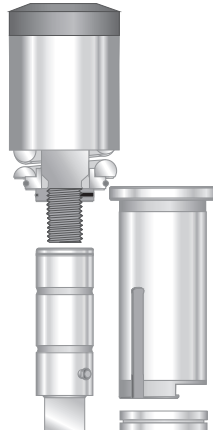


SÉRIE 90

ESTAÇÃO A



ESTAÇÃO B



ESTAÇÃO C



ESTAÇÃO D



ESTAÇÃO E



TIPOS DE FERRAMENTA

FERRAMENTA SÉRIE ULTRA

ESTAÇÃO A



ESTAÇÃO B



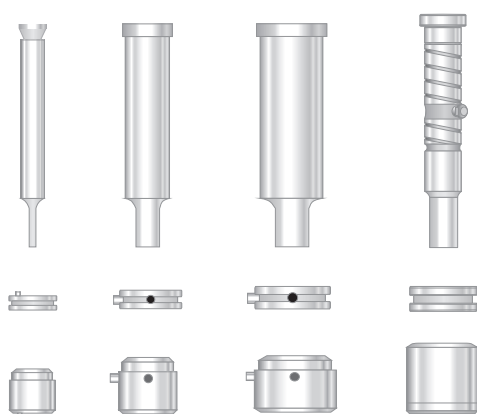
MULTITOOLS

MTB-24mm

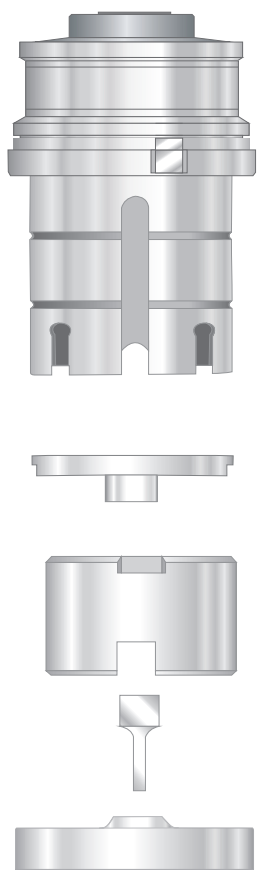
MT10-16mm

MT24-8mm

XMTE6-24mm



FERRAMENTA DE CORTE



Suporte

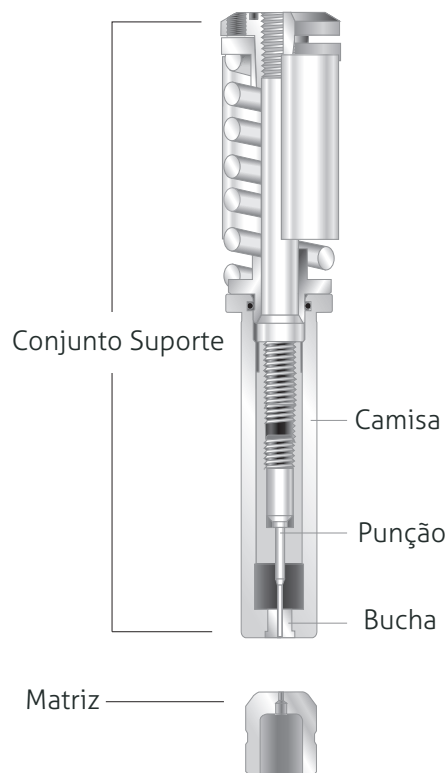
Extrator

Porta Punção

Inserto

Matriz

FERRAMENTA PARA PEQUENOS FUROS



Conjunto Suporte

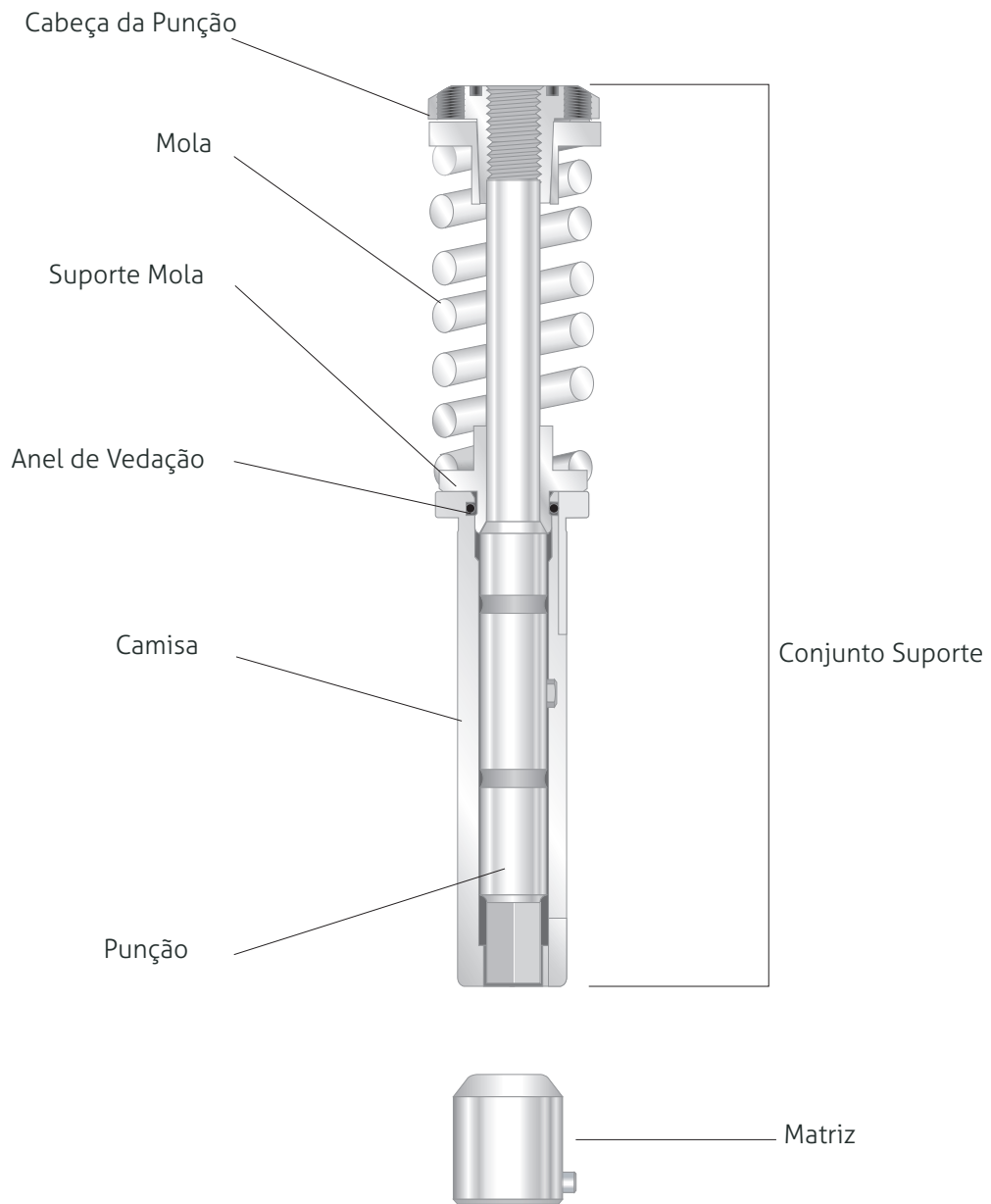
Camisa

Punção

Bucha

Matriz

SÉRIE BÁSICA - ESTAÇÃO A 1/2 (Diagonal Max. 12.7mm)



Espessura máxima de Perfuração 3.8mm (0.15)

FORMAS PADRÕES

5



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

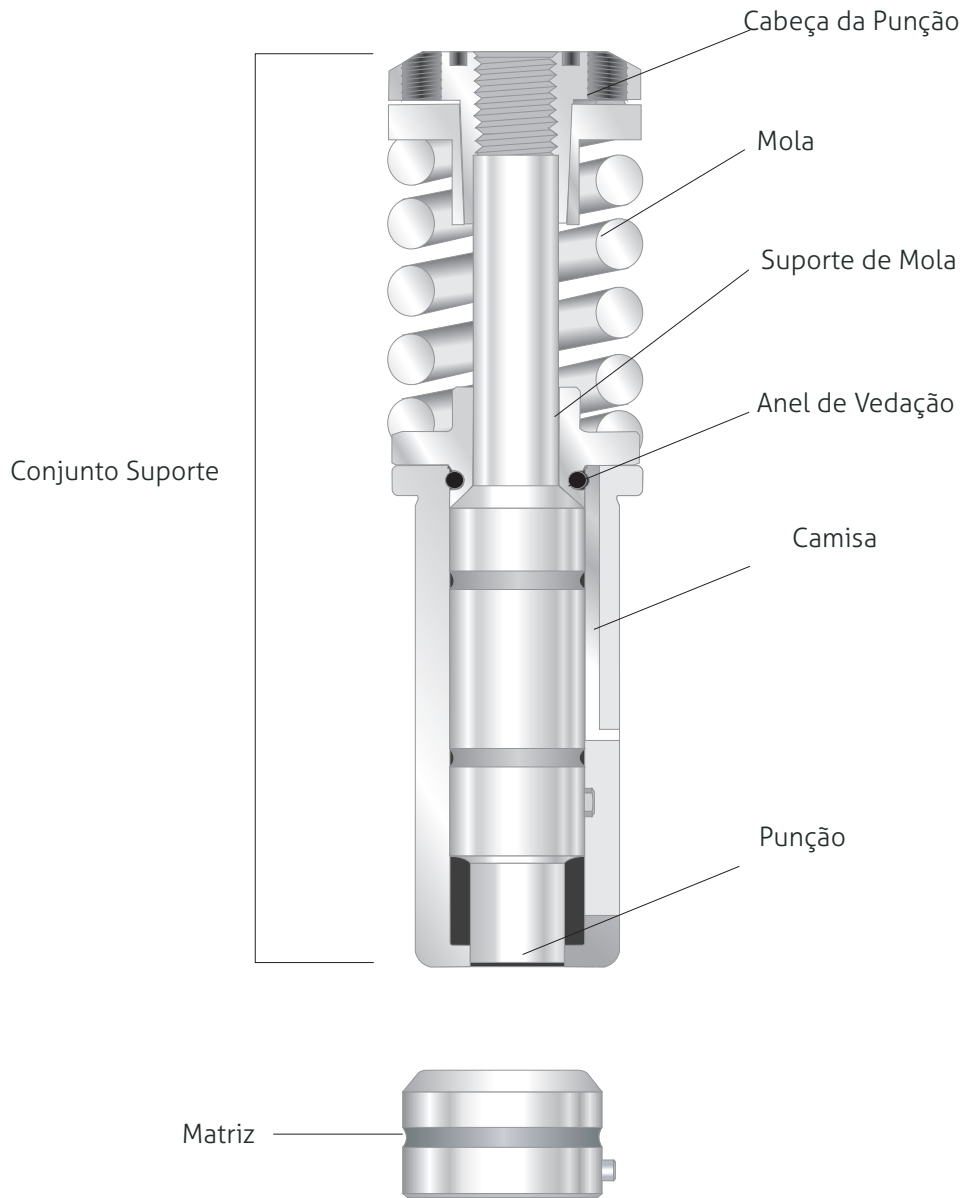


Diamante



Triângulo

SÉRIE BÁSICA - ESTAÇÃO B 1-1/4 (Diagonal Max. 31.7mm)



Espessura máxima de Perfuração 6.35mm (0.25)

FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal



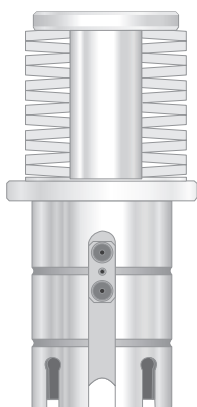
Diamante



Triângulo

SÉRIE BÁSICA

ESTAÇÃO C 2" (31.71 ~ 50.8)



Suporte



Punção

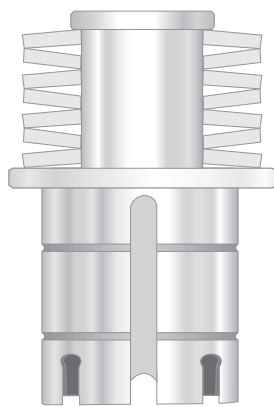


Extrator

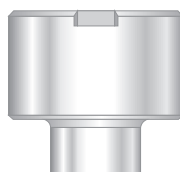


Matriz

ESTAÇÃO D 3-1/2" (50.81 ~ 88.9)



Suporte



Punção

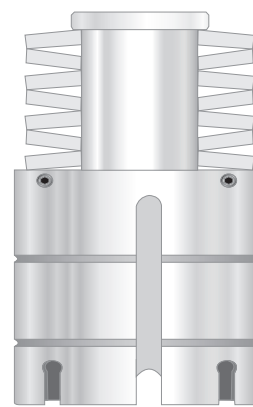


Extrator

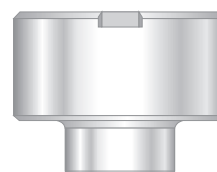


Matriz

ESTAÇÃO E 4" (88.9 ~ 114.3)



Suporte



Punção



Extrator



Matriz

FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

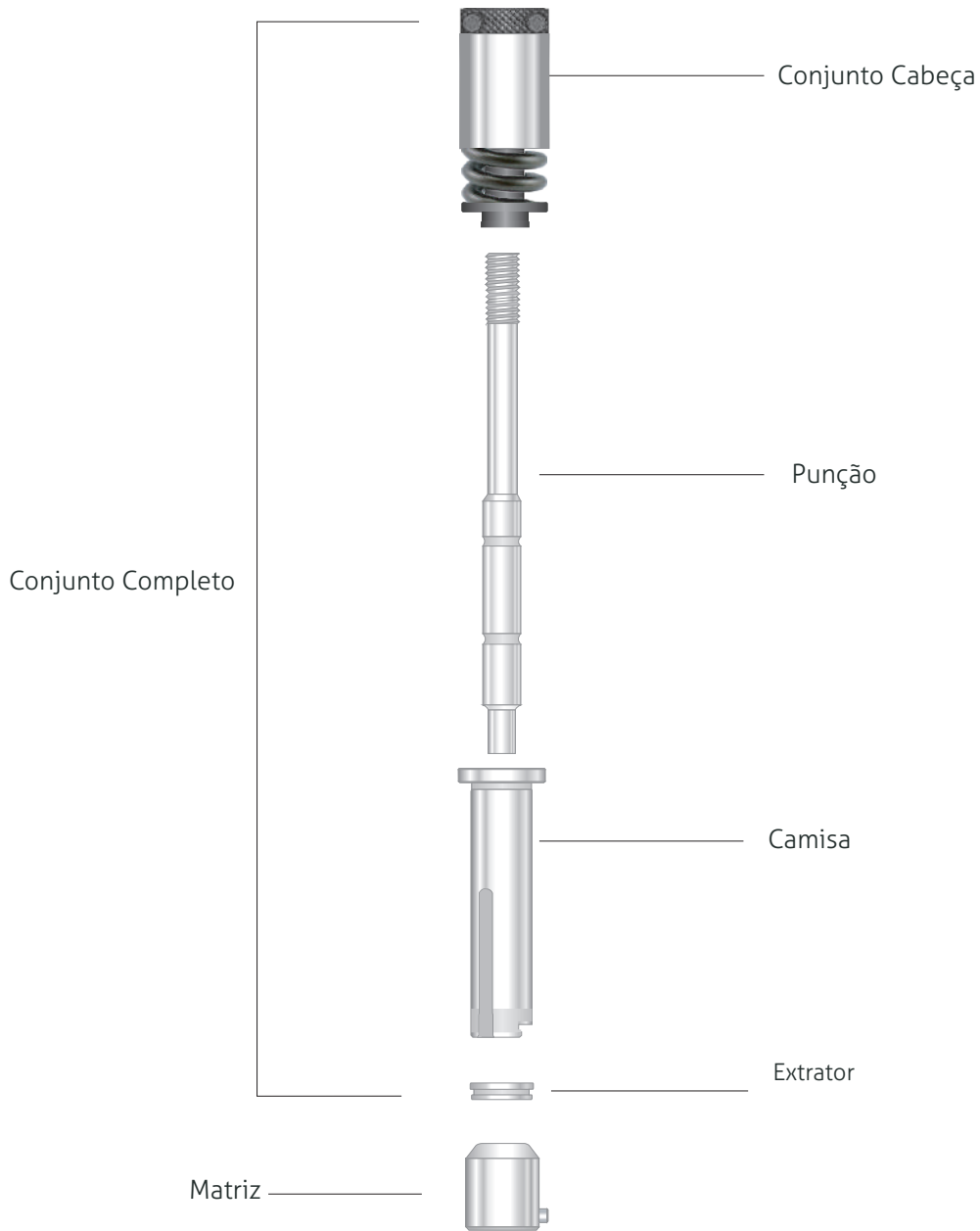


Diamante

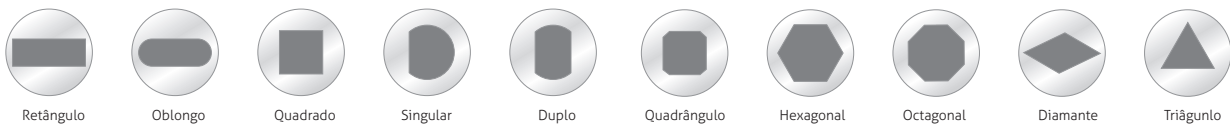


Triângulo

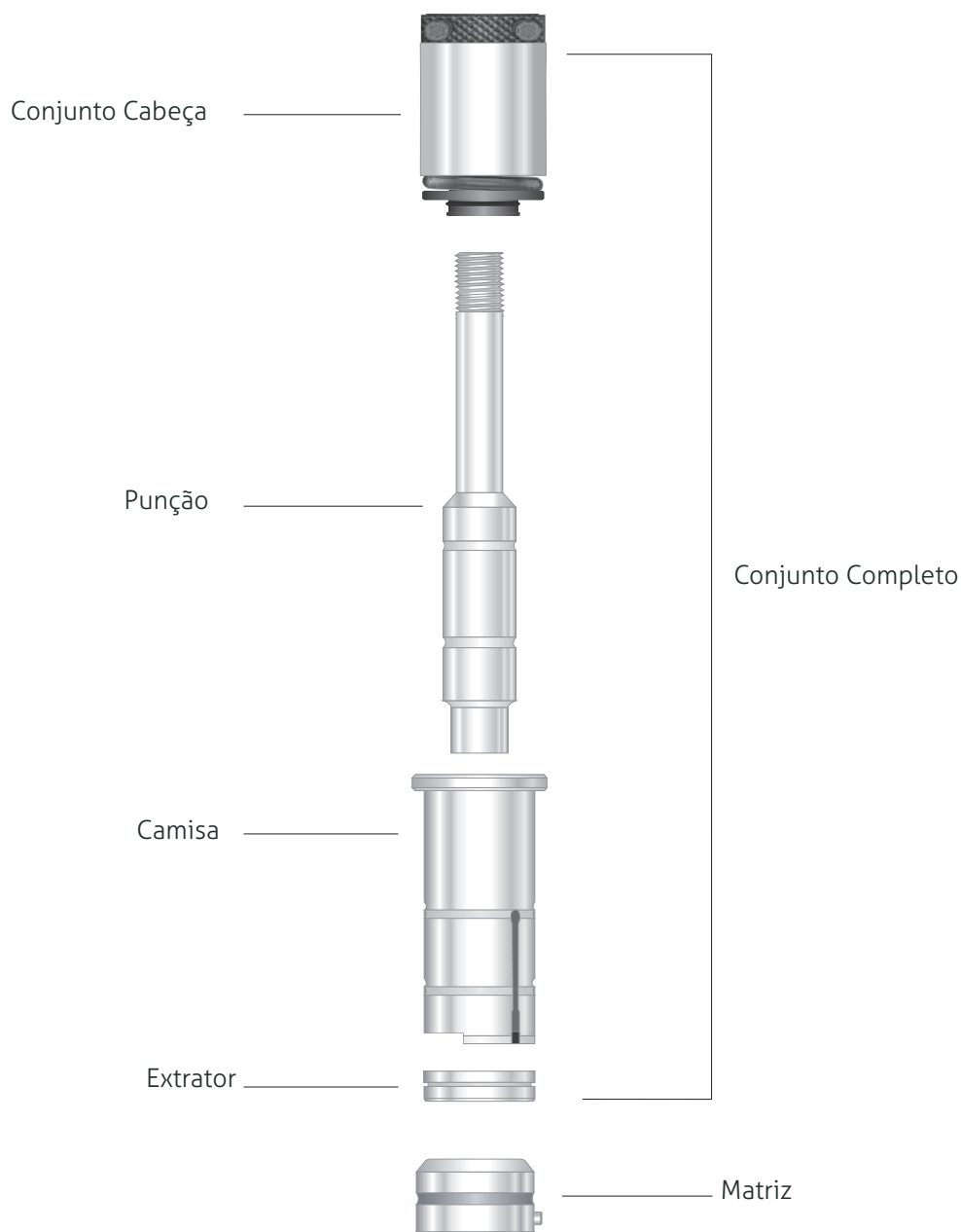
SÉRIE MÉTRICO - ESTAÇÃO A 1/2 (Diagonal Max. 12.7mm)



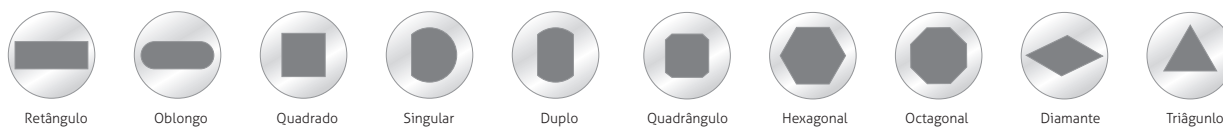
FORMAS PADRÕES



SÉRIE MÉTRICO - ESTAÇÃO B 1-1/4 (Diagonal Max. 31.7mm)

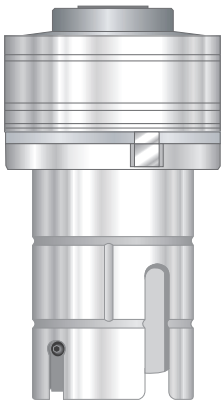


FORMAS PADRÕES



SÉRIE MÉTRICO

ESTAÇÃO C 2" (31.71 ~ 50.8)



Conjunto Suporte



Punção

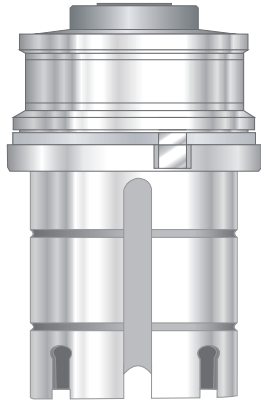


Extrator

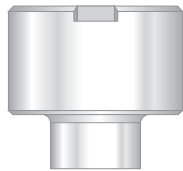


Matriz

ESTAÇÃO D 3-1/2" (50.81 ~ 88.9)



Conjunto Suporte



Punção

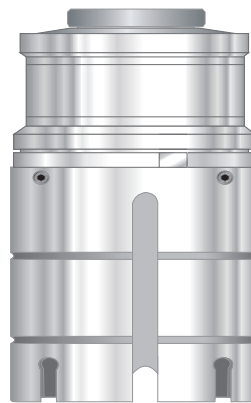


Extrator

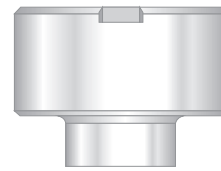


Matriz

ESTAÇÃO E 4" (88.9 ~ 114.3)



Suporte



Punção



Extrator



Matriz

FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

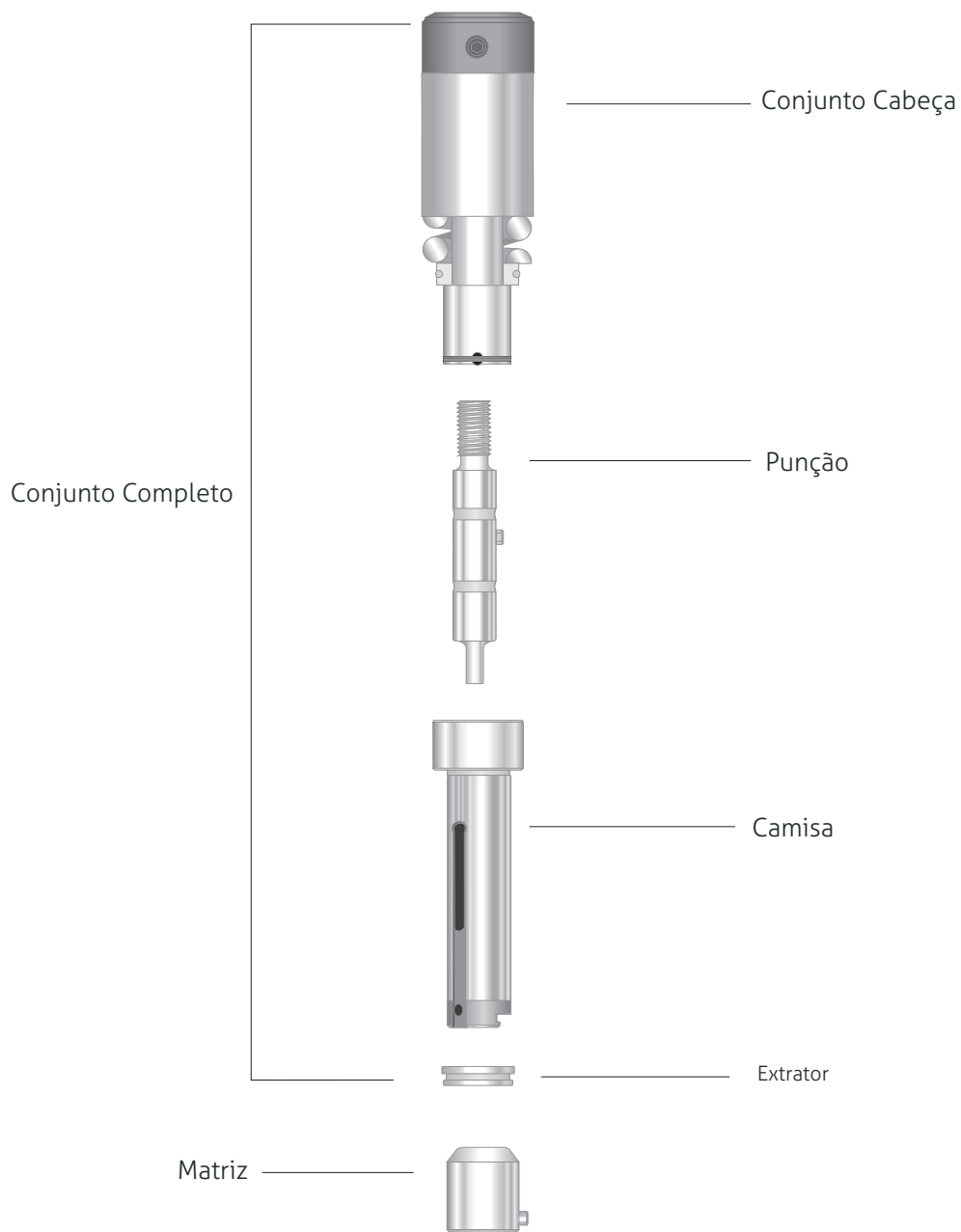


Diamante

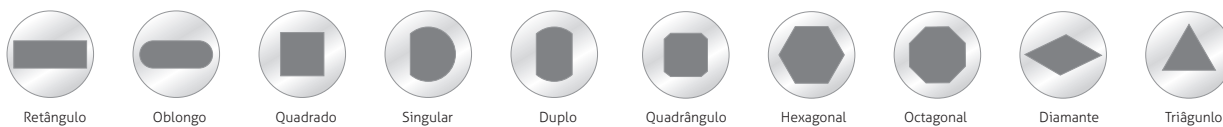


Triângulo

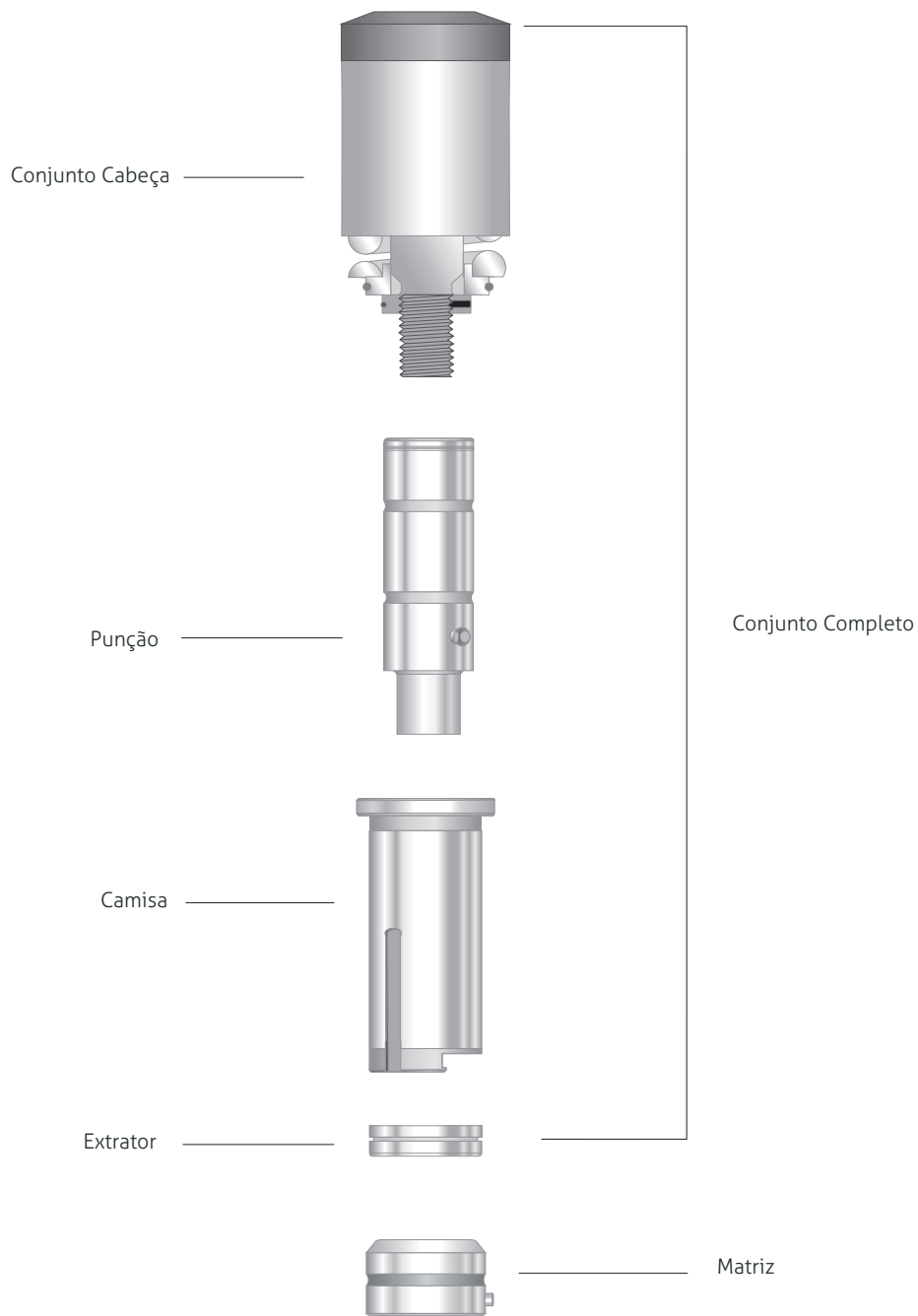
SÉRIE 90 - ESTAÇÃO A 1/2 (Diagonal Max. 12.7mm)



FORMAS PADRÕES



SÉRIE 90 ESTAÇÃO B 1-1/4 Diagonal Max. 31.7mm



FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal



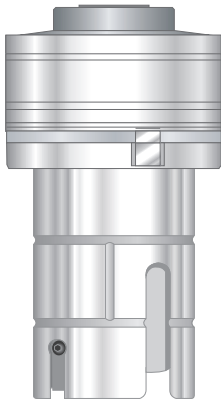
Diamante



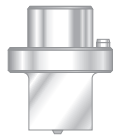
Triângulo

ESTAÇÃO C/D/E (Tipo Ajuste Rápido)

ESTAÇÃO C 2" (31.71 ~ 50.8)



Suporte



Punção

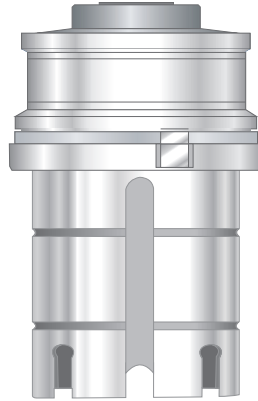


Extrator

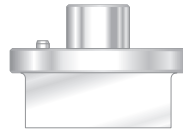


Matriz

ESTAÇÃO D 3-1/2" (50.81 ~ 88.9)



Suporte



Punção

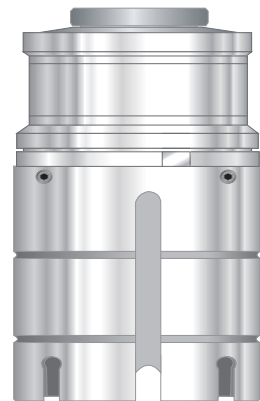


Extrator

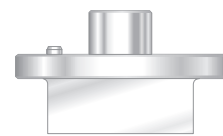


Matriz

ESTAÇÃO E 4" (88.9 ~ 114.3)



Suporte



Punção



Extrator



Matriz

FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

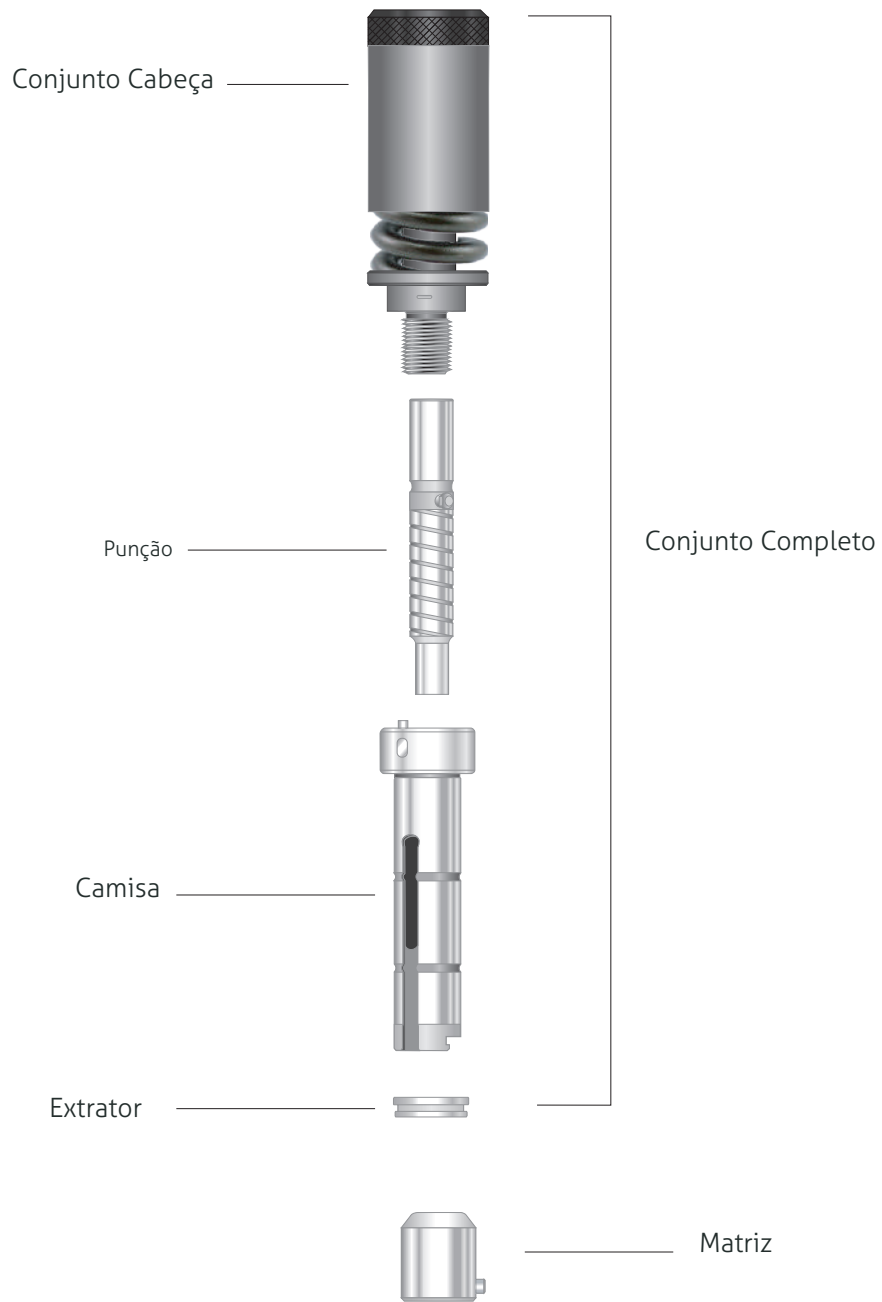


Diamante



Triângulo

SÉRIE ULTRA - ESTAÇÃO A 1/2 (Diagonal Max. 12.7mm)



FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

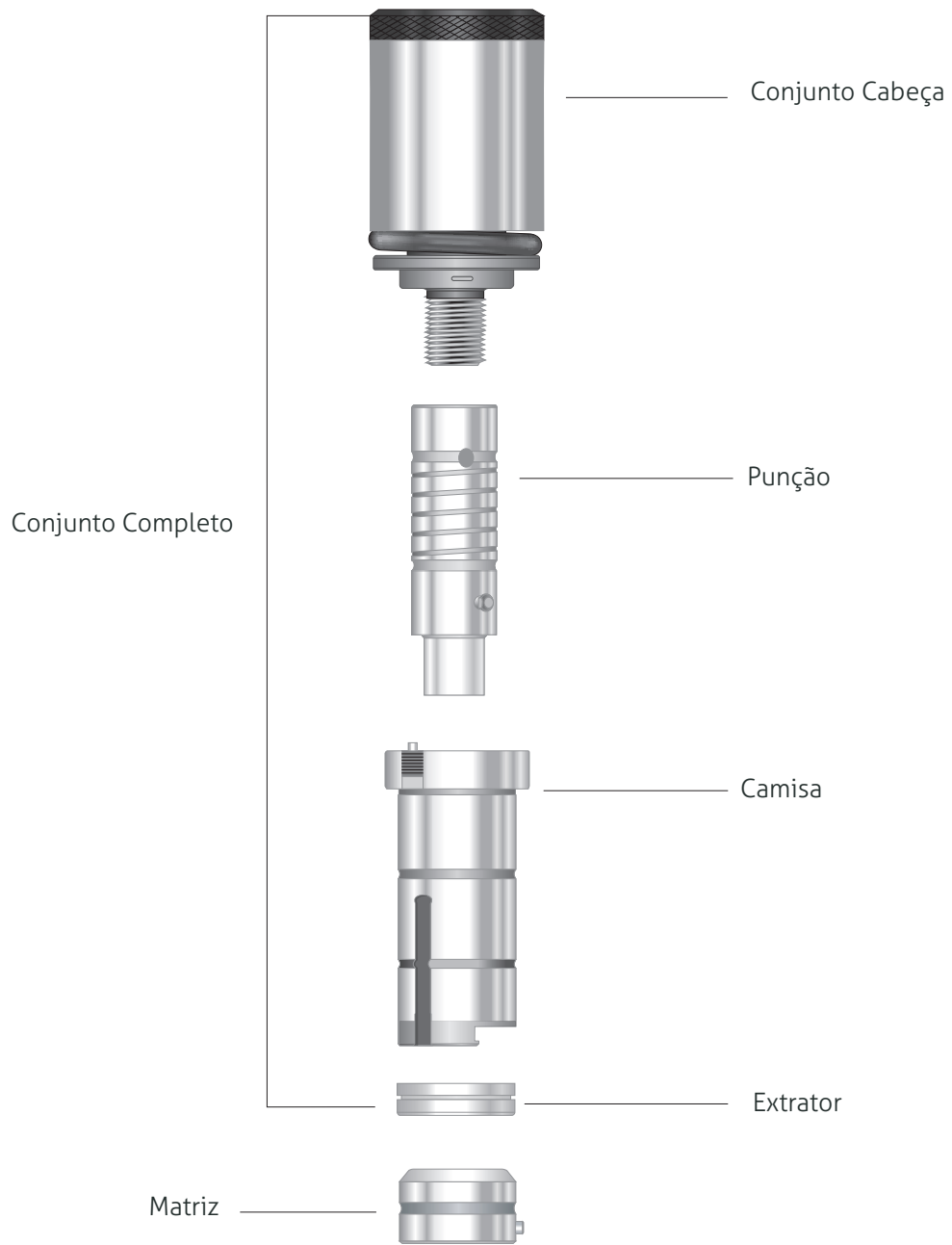


Diamante



Triângulo

SÉRIE ULTRA - ESTAÇÃO B 1-1/4 (Diagonal Max. 31.7mm)



FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

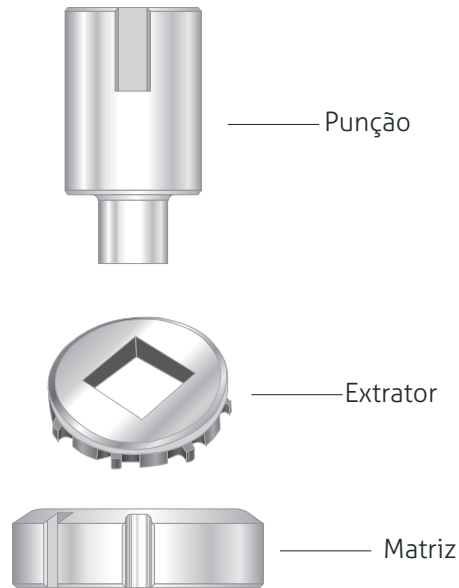


Diamante

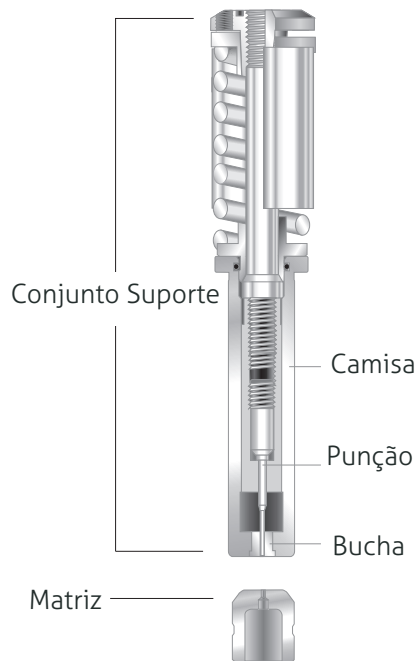


Triângulo

SÉRIE ULTRA - ESTAÇÃO C/D/E



FERRAMENTA PARA PEQUENOS FUROS



DÍÂMETRO 0.8 ~ 1.6mm

DÍÂMETRO 1.6 ~ 3.2mm

FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal

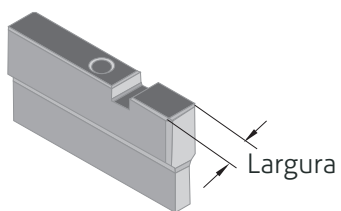
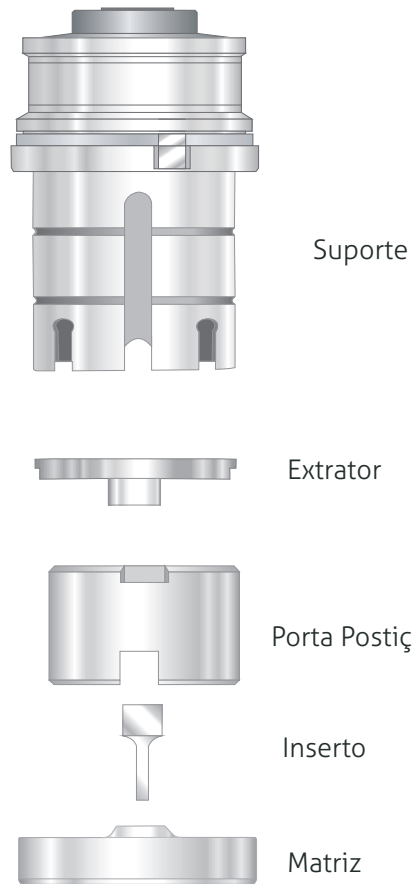


Diamante

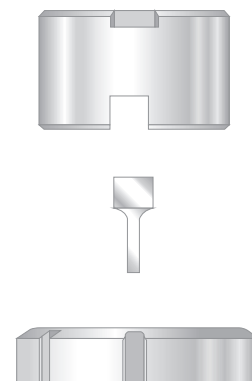


Triângulo

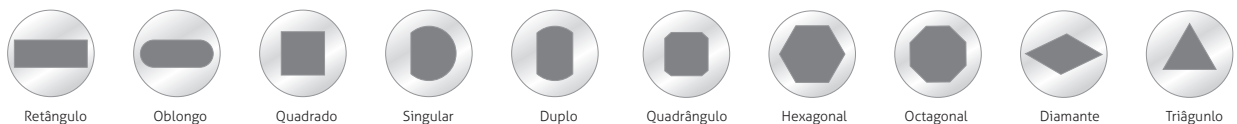
FERRAMENTA DE CORTE



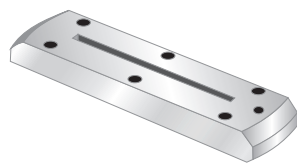
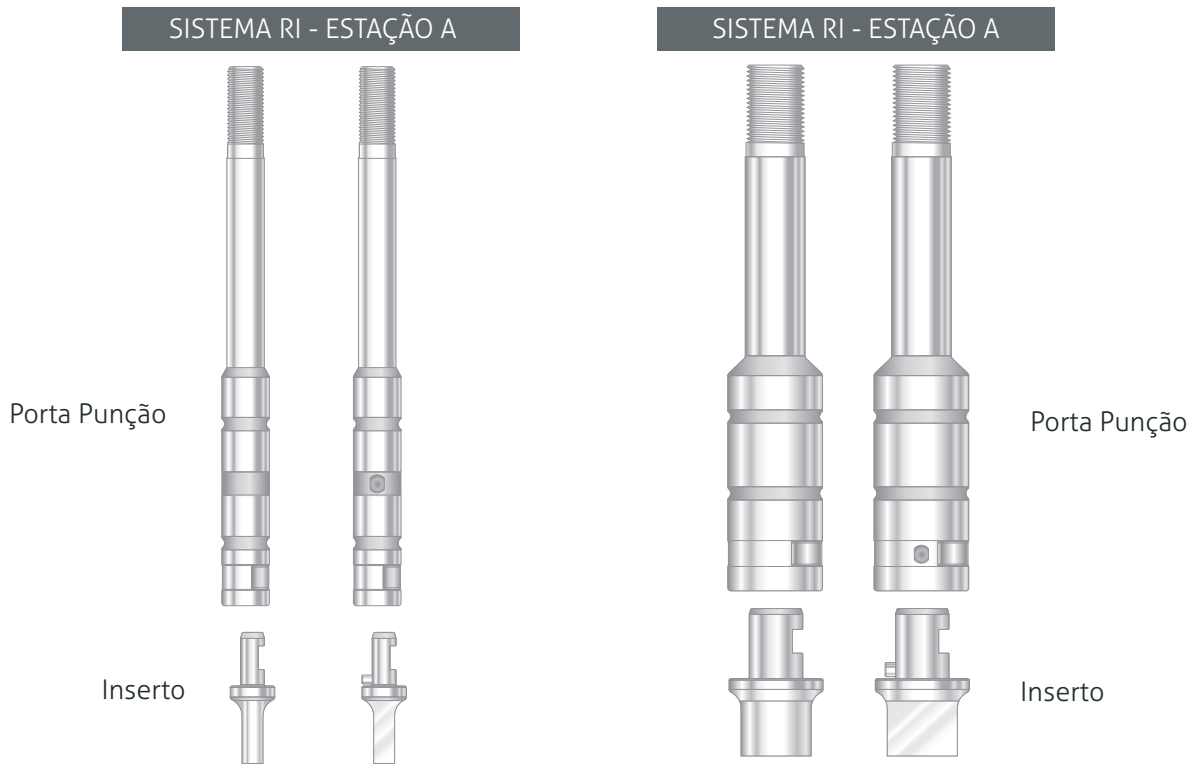
Tipo Wilson, largura 19.05mm
Tipo Mate, largura 18.00mm
Tipo Amada, largura 16.00mm
Tipo Alpha, largura 20.00mm



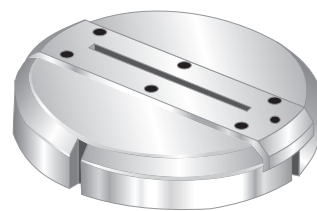
FORMAS PADRÕES



SISTEMA R.I



Matriz Inserto



Porta Matriz

FORMAS PADRÕES



Retângulo



Oblongo



Quadrado



Singular



Duplo



Quadrângulo



Hexagonal



Octagonal



Diamante

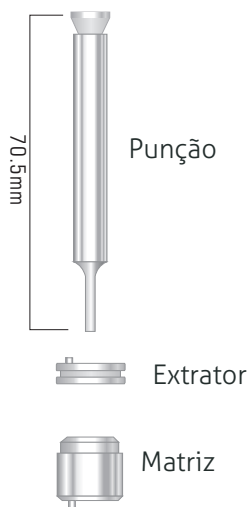


Triângulo

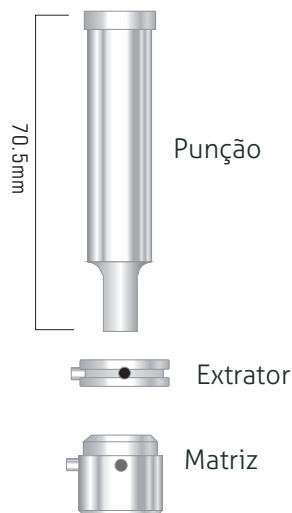
MULTITOOLS

FINN POWER - EUROMAC - DURMA

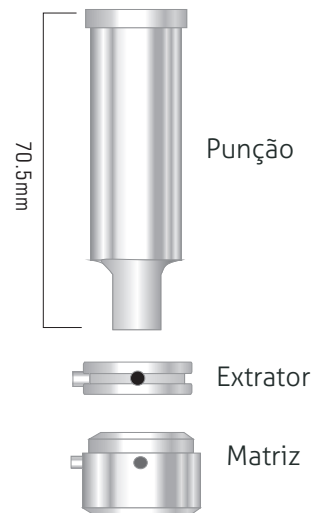
MT 24-8mm



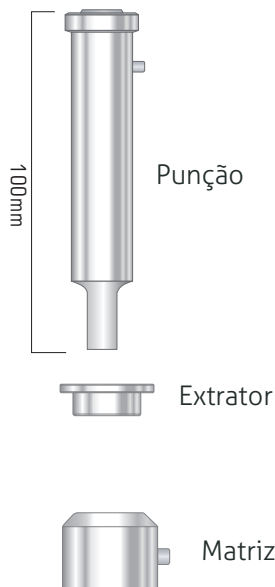
MT 10-16mm



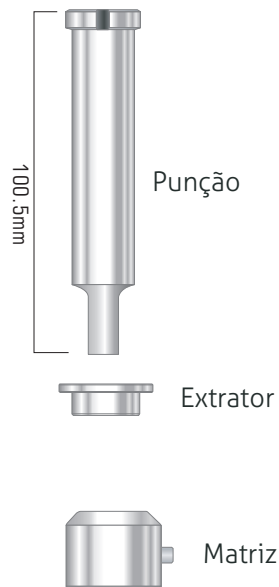
MT 8-24mm



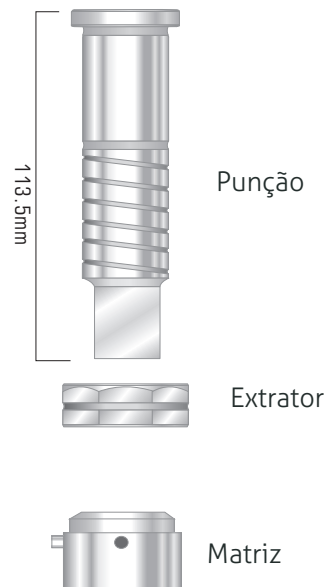
MT 8-16mm - Antigo



MT 8-16mm - Novo



DMT 24mm (Durma)

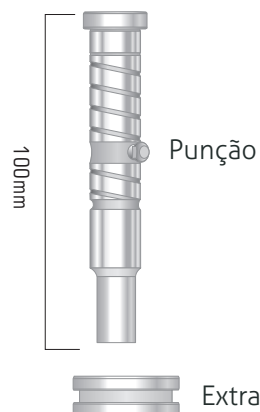


Tipo MT	Diag. Máxima	Comp. Punção	Altura Matriz	Observação
MT24-8mm	8.0mm	70.5mm	17.0mm	MT 20, MT 24, MTE 10, MT12-8, MT20-8, MT24
MT10-16mm	16.0mm	70.5mm	24.0mm	MT 10, MT 6-16, MTE 10-16
MT8-24mm	24.0mm	70.5mm	24.0mm	MT 6, MT 8, MTE 6, MTE 10, MT 6-24, MT 8-24
MT8I-16mm Old	16.0mm	100mm	17.6mm	MT 6I, MT 8I
MT8I-16mm New	16.0mm	100.5mm	17.6mm	MT 8I, MT 8RI
DMT24mm	24.0mm	113.5mm	31.0mm	DURMA, DMT 6-24

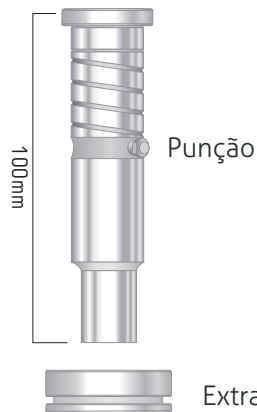
MULTITOOLS

FINN POWER - EUROMAC - DURMA

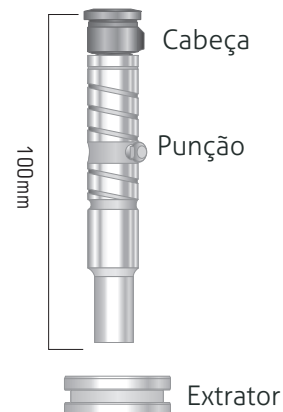
XMTE 10-12.7mm



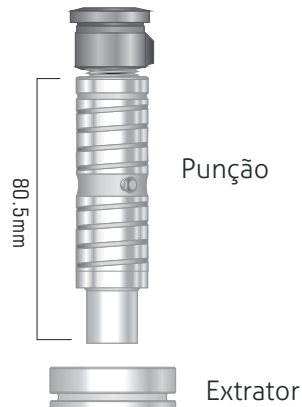
XMTE 6-24mm



XMTE 10-12.7mm



24mm



Tipo MT	Diag. Máxima	Comp. Punção	Altura Matriz	Observação
XMTE 10 - 12.7mm	12.7 mm	100.0 mm	20.0 mm	XMTE 10
XMTE 6 - 24mm	24.0 mm	100.0 mm	24.0 mm	XMTE 6, XMTE 10
XMTE 10A - 12.7mm	12.7 mm	80.5 mm	20.0 mm	XMTE 10
XMTE 6A - 25mm	24.0 mm	80.5 mm	24.0 mm	XMTE 6, XMTE 10
XMTE 4-B - 31.7mm	31.7 mm	100.5 mm	30.4 mm	XMTE 4, ULTRA TMT 3, ULTRA MT3
XMTE 3 RI	31.7 mm	100.5 mm	30.4 mm	MTX3 RI

FORMAS ESPECIAIS



Multifuros



Escareado



Repuxo para Rosca



Côncavo



Repuxo



Nervura



Repuxo com Pré Furo



Repuxo e Furo



Repuxo Escareado



Semi Corte



Knockout Simples



Knockout Duplo



Marcação



Estampagem de logo



Corte e Dobra
em Ponte



Corte e Dobra



Veneziana



Dobradiça



Espiral de Rosca



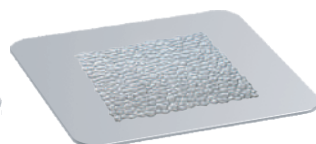
Forma com Rosca



Metal Expandido



Scratch

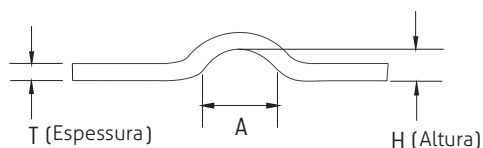


Ferramenta Texturizada



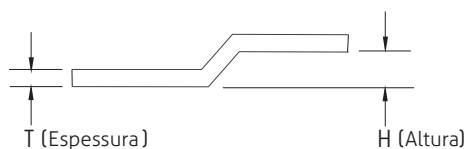
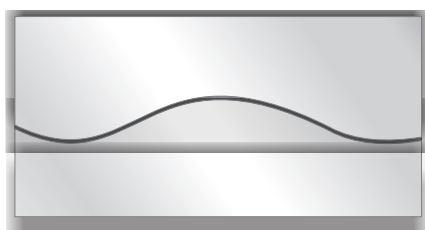
Metal Expandido
com Pré-Furo

FERRAMENTAS ROLLING



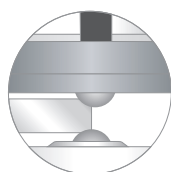
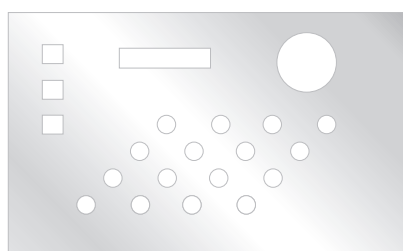
ROLLING RIB

- 1 Faça qualquer forma na estação de indexação automática
- 2 Sem marcas de mordida
- 3 Qualquer local de início ou fim da folha
- 4 Faça mini raio na folha: 16mm
- 5 Abaixo da espessura
0.8mm ~ 1.5mm Aço Inoxidável
0.8mm ~ 2.0mm Aço Carbono
0.8mm ~ 2.5mm Alumínio



ROLLING OFFSET

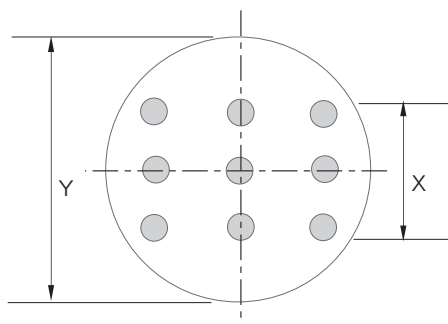
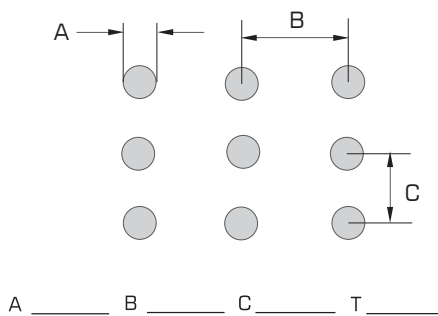
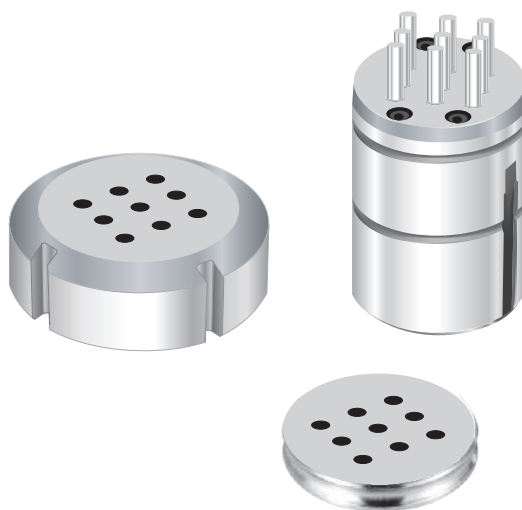
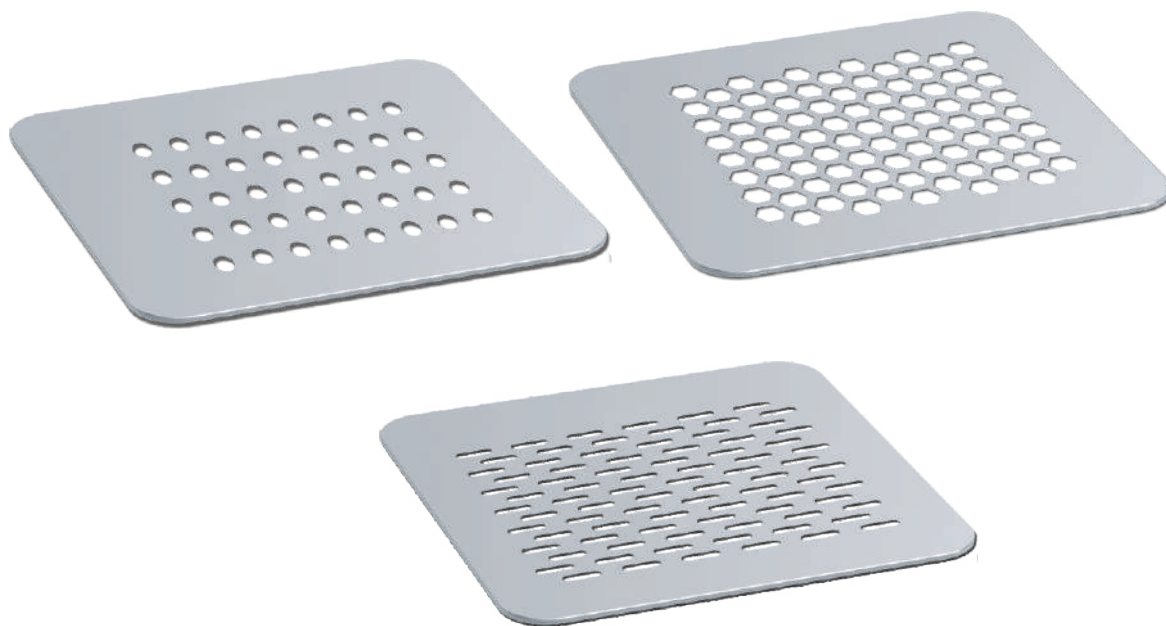
- 1 Faça qualquer forma na estação de indexação automática
- 2 Sem marcas de mordida
- 3 Qualquer local de início ou fim da folha
- 4 Faça mini raio na folha: 16mm
- 5 Abaixo da espessura
0.8mm ~ 1.5mm Aço Inoxidável
0.8mm ~ 2.0mm Aço Carbono
0.8mm ~ 2.0mm Alumínio



ROLLING DEBURRING

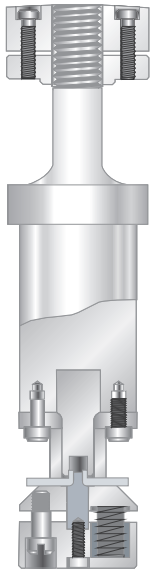
- 1 Remover rebarbas em estações de indexação automática
- 2 Sem rebarba na parte superior e inferior dos furos
- 3 Qualquer local de início ou fim da folha
- 4 Faça mini raio na folha: 16mm
- 5 Projetado para máquina de torre grossa com aríetes hidráulicos ou programáveis.
Mini Furos: Redondo 3.0mm
Largura a abertura: 2.0mm
Mâx. Espessura: 5.0mm
Min. Espessura: 0.8mm

MULTIFUROS

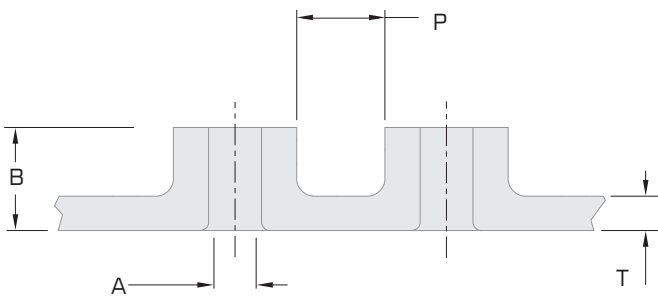


Estação	B	C	D	E
X	21mm	29mm	56mm	71mm
Y	31.7 mm	50.8mm	88.9mm	114.3mm

REPUXO PARA ROSCA



ORIENTAÇÃO



A _____ P _____
 B _____ T _____

TABELA DE TAMANHO

Material	Tamanho do Rosqueamento	Espessura	0.8	1.0	1.2	1.6	2.0	2.3
Alúminio Aço Carbono	M2.6	2.21	1.3	1.3	1.3	1.6	N/A	N/A
	M3	2.57	1.3	1.3	1.6	1.6	N/A	N/A
	M4	3.40	2.0	2.0	2.0	2.3	2.3	2.5
	M5	4.30	N/A	2.3	2.3	2.8	2.8	3.0
	M6	5.20	N/A	N/A	N/A	3.0	3.8	3.8
Aço Inoxidável	M2.6	2.21	1.3	1.3	N/A	N/A	N/A	N/A
	M3	2.57	1.3	1.6	1.8	N/A	N/A	N/A
	M4	3.40	2.0	2.0	2.0	N/A	N/A	N/A
	M5	4.30	N/A	2.3	2.3	N/A	N/A	N/A
	M6	5.20	N/A	3.0	3.0	N/A	N/A	N/A

ESCAREADO



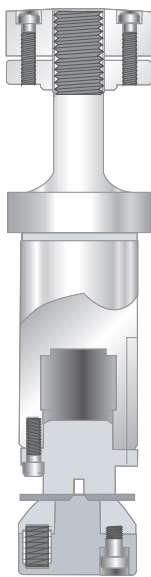
ESCAREADO TIPO CHANFRADO

Forma para baixo

Forma para cima

A _____
 B _____
 C _____
 T _____

Tipo de Material _____
 Tipo de Máquina _____
 Estação da Ferramenta _____



ESCAREADO TIPO CILÍNDRICO

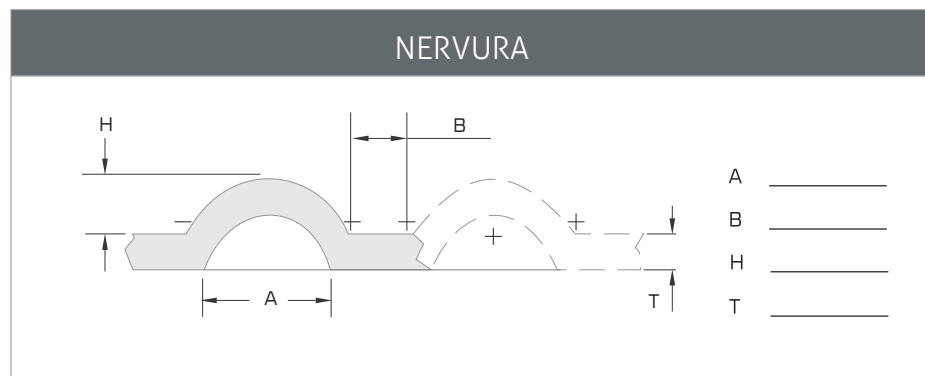
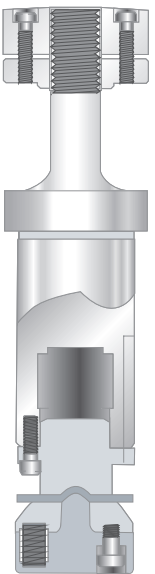
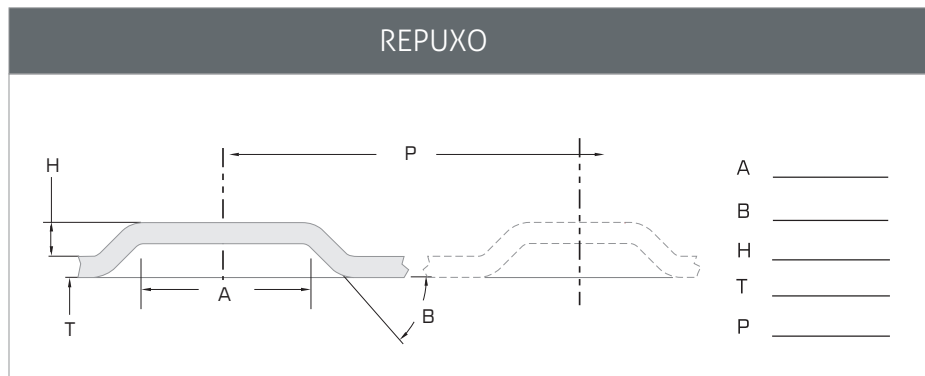
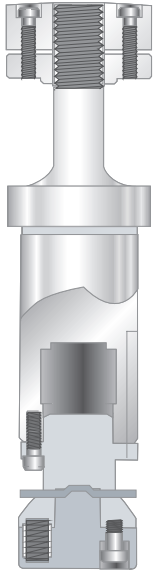
Forma para baixo

Forma para cima

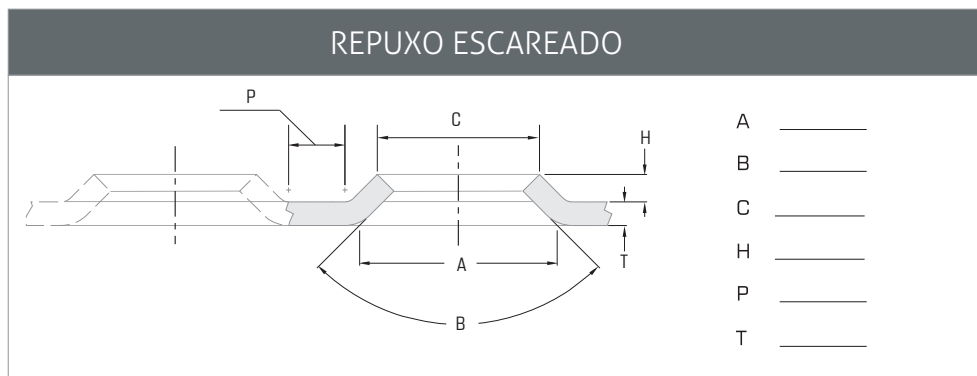
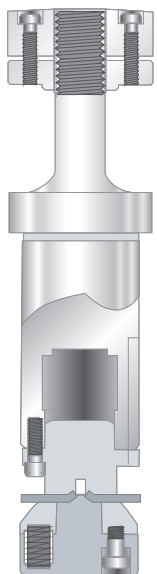
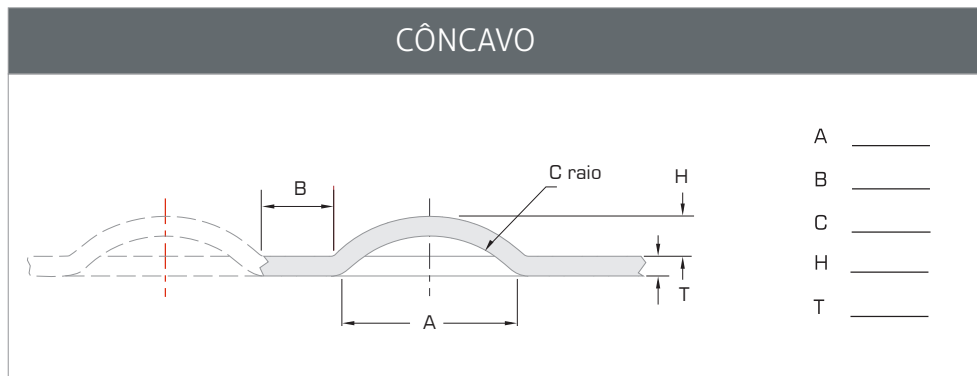
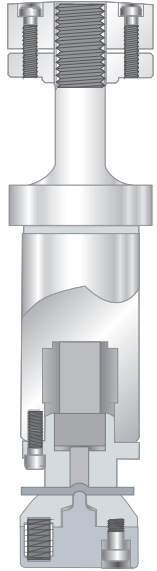
A _____
 B _____
 C _____
 T _____

Tipo de Material _____
 Tipo de Máquina _____
 Estação da Ferramenta _____

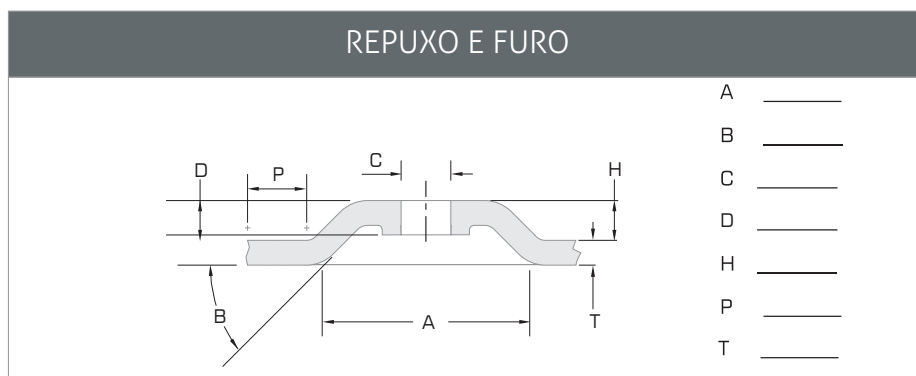
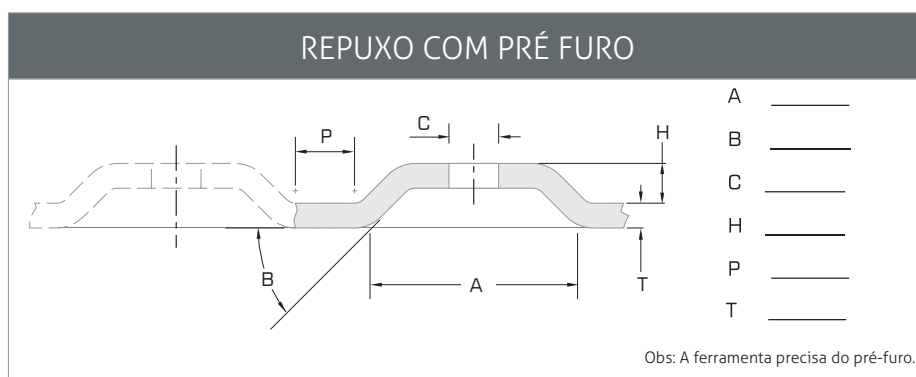
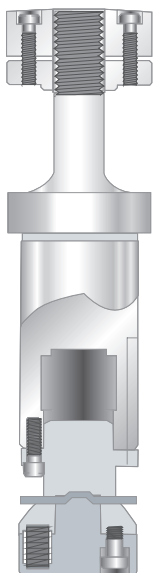
REPUXO / NERVURA



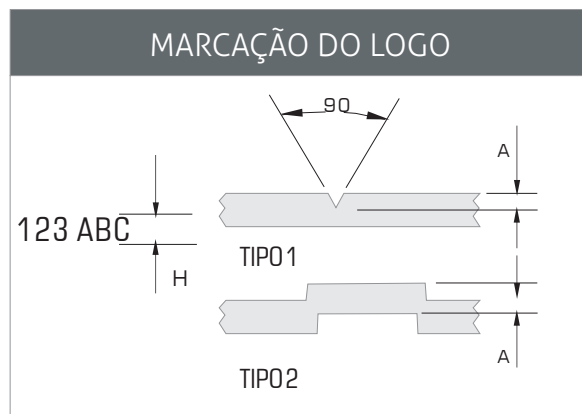
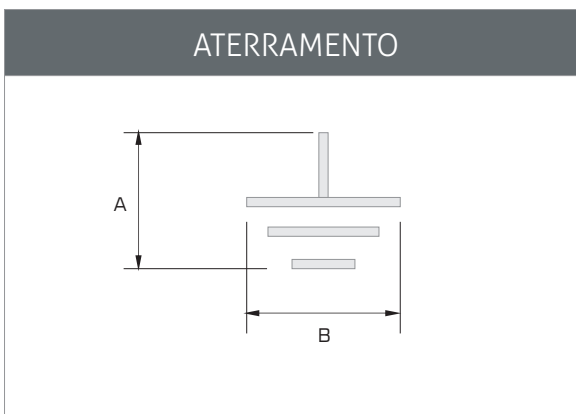
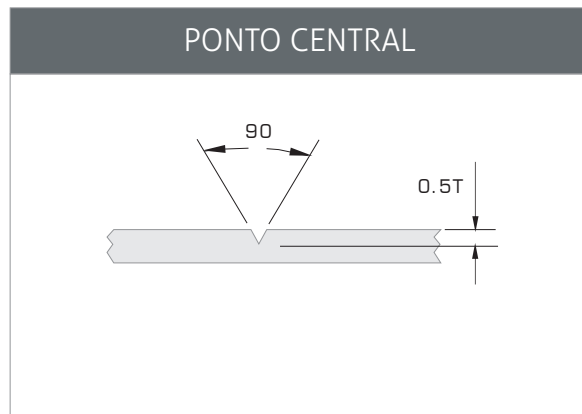
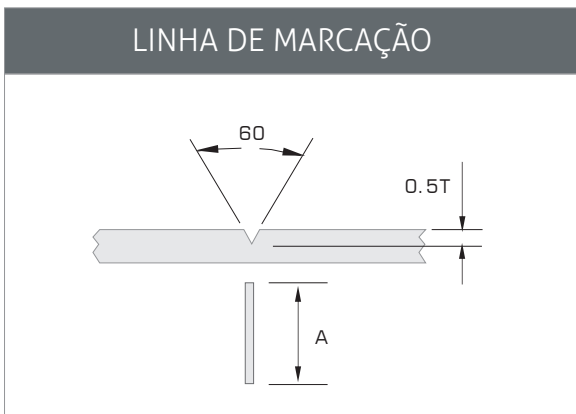
CÔNCAVO / REPUXO ESCAREADO



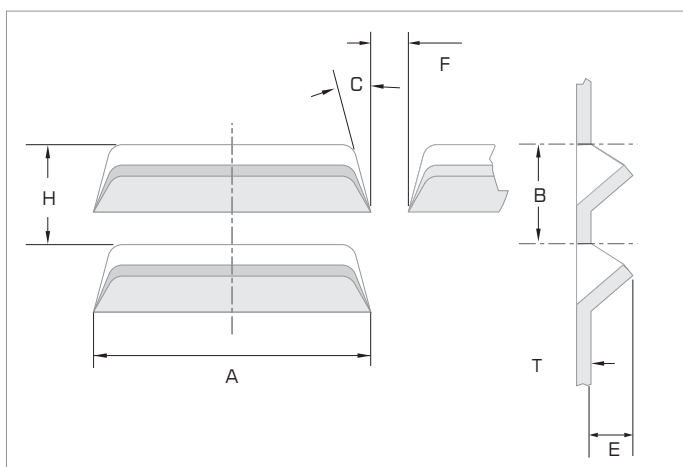
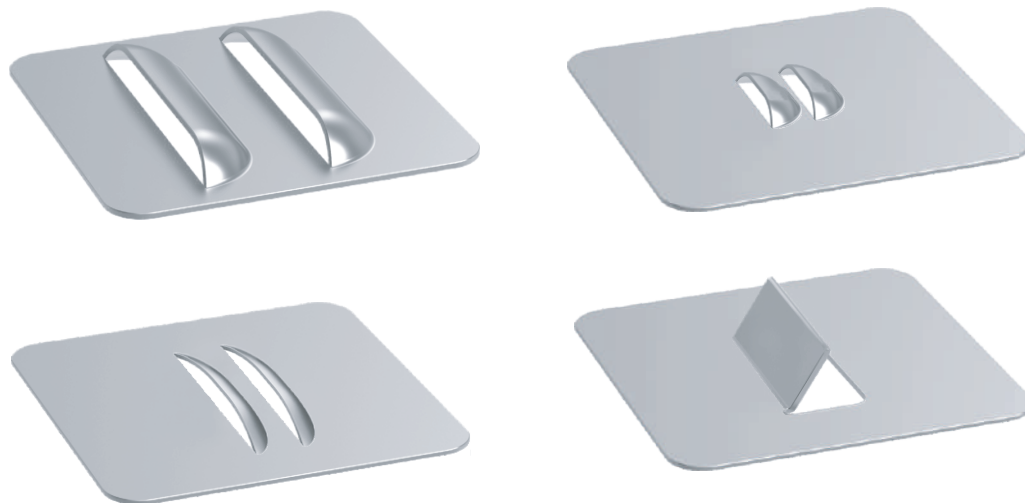
REPUXO COM PRÉ FURO



FERRAMENTA DE ESTAMPAGEM

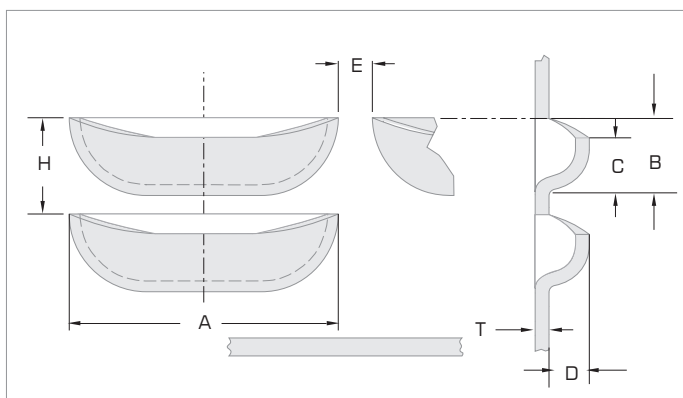


VENEZIANA



VENEZIANA ABERTA

A	_____	E	_____
B	_____	F	_____
C	_____	G	_____
		T	_____



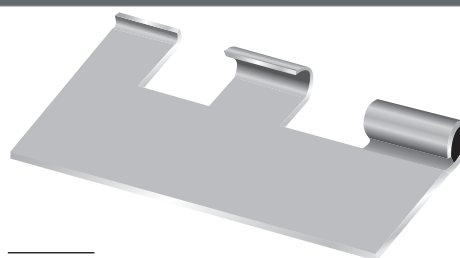
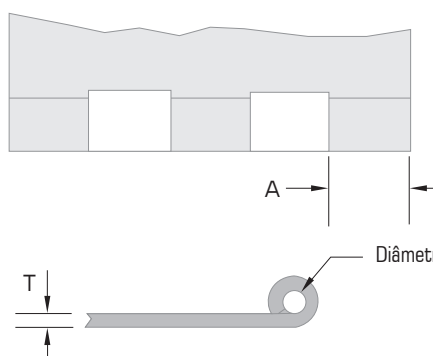
RAIO FECHADO

A	_____	E	_____
B	_____	H	_____
C	_____	T	_____
D	_____		

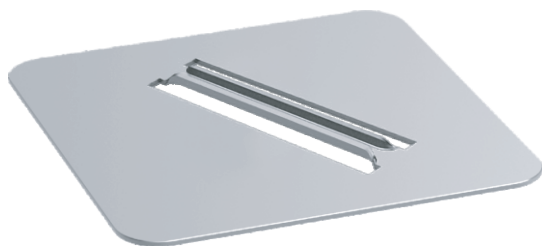
DOBRADIÇA / GUIA DE CARTÃO



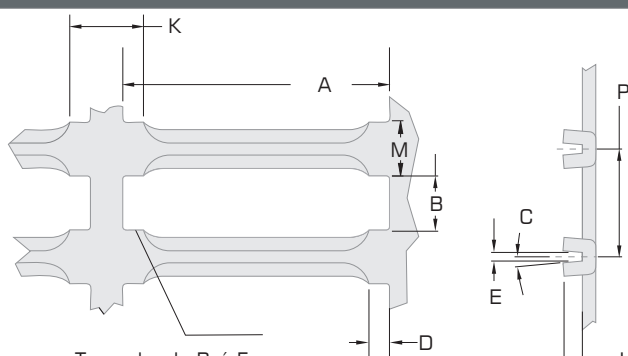
FERRAMENTA DE DOBRADIÇA



A _____
 B _____
 T _____



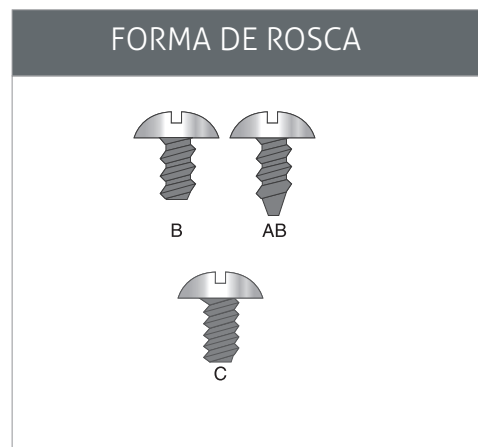
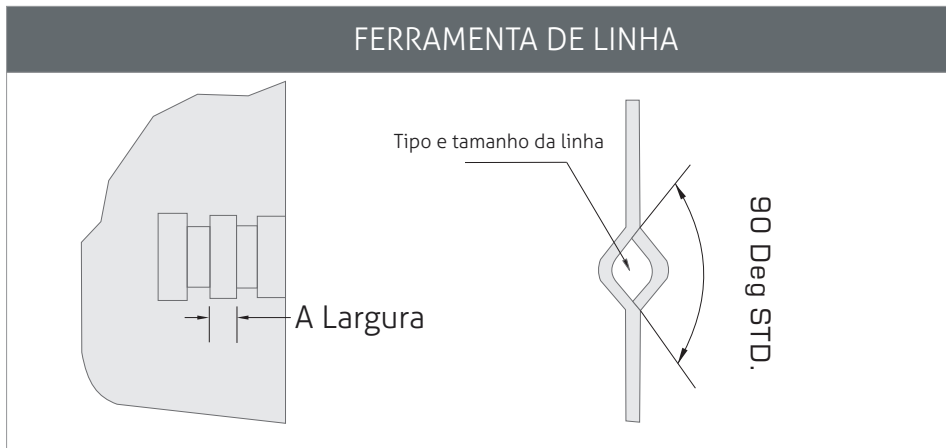
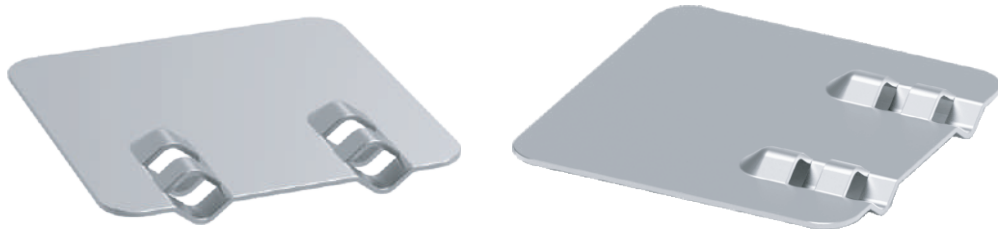
GUIA DE CARTÃO



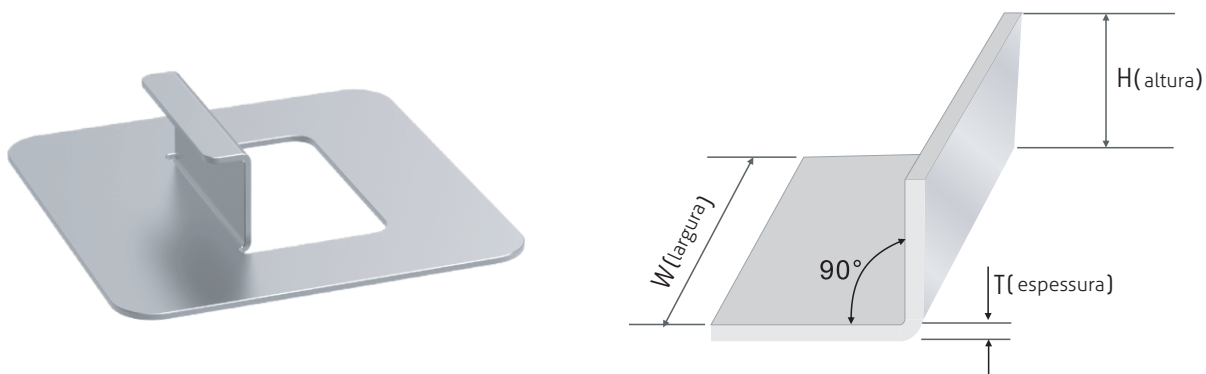
Tamanho do Pré Furo

A _____ D _____ K _____
 B _____ E _____ P _____
 C _____ H _____ M _____

ESPIRAL DE ROSCA



CORTE E DOBRA



FERRAMENTA DE DOBRA

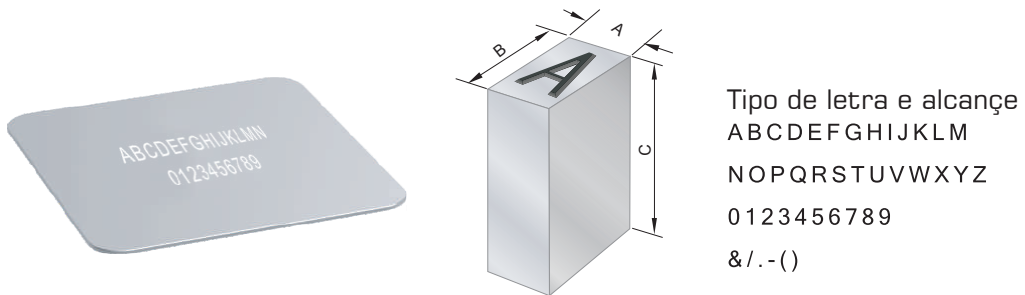
- 1 A ferramenta pode dobrar para 90° graus, não 88° graus
- 2 Alumínio ou aço carbono, espessura: 0.8mm~2.0mm
Para aço inox, espessura: 0.8mm~1.5mm
Não precisa alterar o inserto
- 3 Estação D, altura máxima: 18mm - largura máxima: 80mm



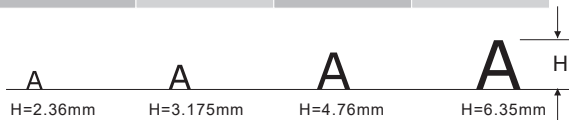
CORTE

- 1 Disponível nas estações B,C,D.
- 2 Punção projetada para espessura e material específicos.
Não ajustável.
- 3 Restrições de espessura: Mínimo: 0.8mm, Máximo: 1.5mm

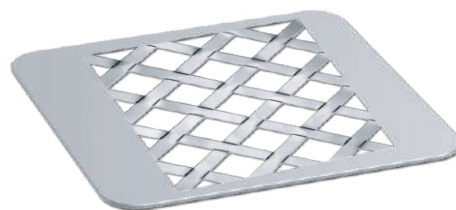
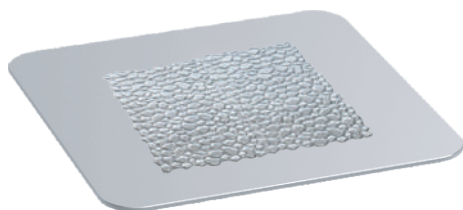
MULTI TRAÇADORA / SEMI CORTE



Tipo e tamanho de letra			
TIPO	TAM. A	TAM. B	TAM. C
2.4	2.36mm	6.35mm	19.05mm
3.2	3.175mm	6.35mm	19.05mm
4.8	4.76mm	7.94mm	19.05mm
6.4	6.35mm	9.52mm	19.05mm



TEXTURIZADA / SCRATCH / EXPANDIDO



METAL EXPANDIDO

A: _____
 B: _____ H: _____
 C: _____ T: _____

FERRAMENTA SCRATCH

A: _____ H: _____
 B: _____ T: _____

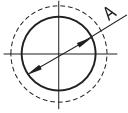
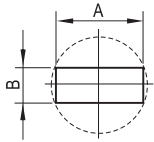
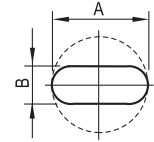
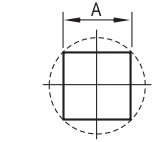
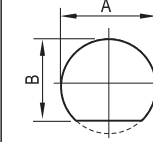
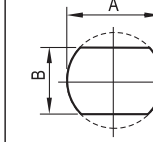
TEXTURIZADA

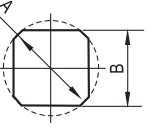
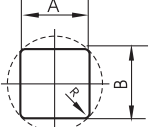
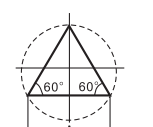
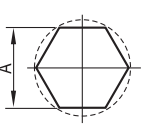
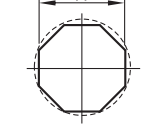
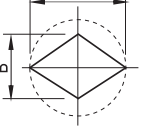
Max. espessura: 2.0mm
 Altura de gravação: 0.5mm

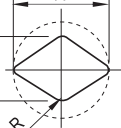
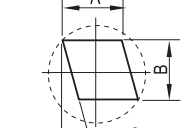
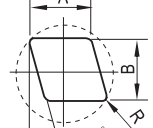
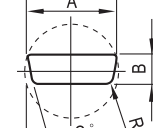
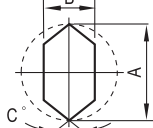
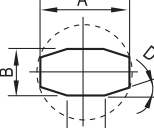
METAL EXPANDIDO

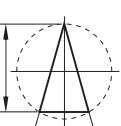
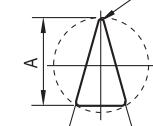
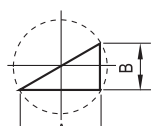
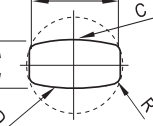
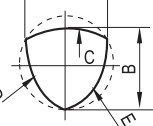
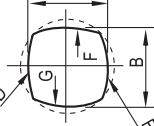
A textura precisa de pré - furo

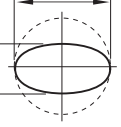
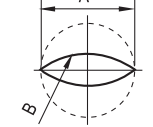
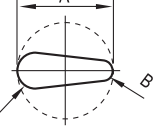
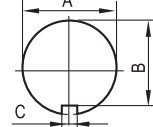
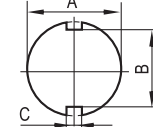
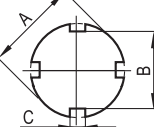
FORMATOS

					
Nome: Redondo	Nome: Rectangle	Nome: Oblongo	Nome: Tamanho:	Nome: Único D	Name: Duplo D
Tamanho: A	Tamanho: B/A	Tamanho: B/A	Tamanho: A	Tamanho: B/A	Tamanho: B/A

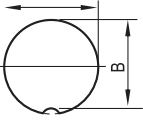
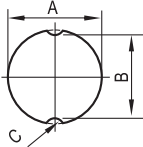
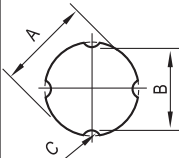
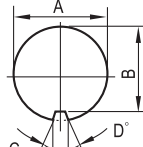
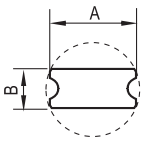
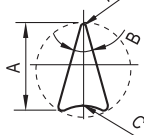
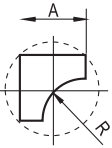
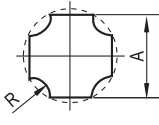
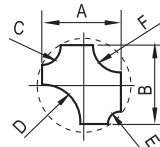
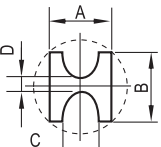
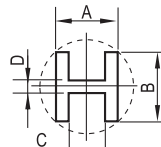
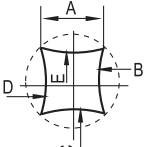
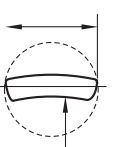
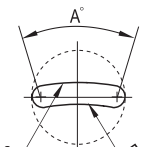
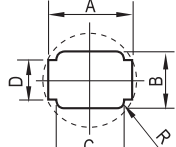
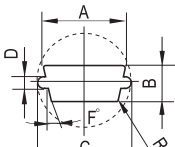
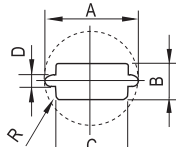
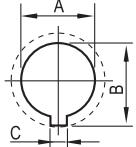
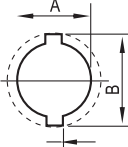
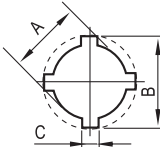
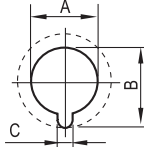
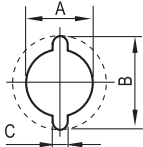
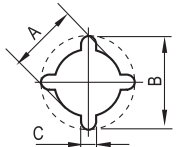
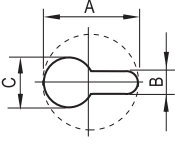
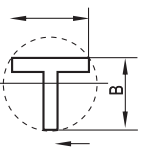
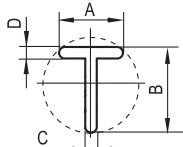
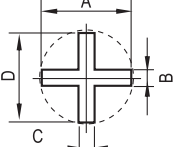
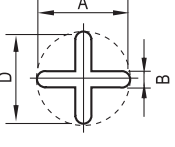
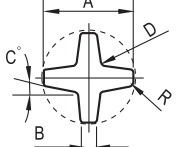
					
Nome: Quad D	Nome: Quad R	Nome: Triângulo Equi.	Nome: Hexagonal	Nome: Octagono	Name: Diamante
Tamanho: B/A	Tamanho: B/A/A	Tamanho: A	Tamanho: A	Tamanho: A	Tamanho: B/A

					
Nome: Diamante	Nome: Diamante	Nome: Diamante	Nome: Cabo Conector	Nome: Oito Cantos	Name: Oito Cantos
Tamanho: B/A/R	Tamanho: B/A/C	Tamanho: B/A/C/R	Tamanho: B/A/C/R	Tamanho: B/A/C	Tamanho: C/B/A/D

					
Nome: Triângulo	Nome: Tri. R	Nome: Right Tri.	Nome: Duplo R	Nome: Tri-R	Name: Quad-R
Tamanho: B/A	Tamanho: A/B/R	Tamanho: B/A	Tamanho: B/A/C/D/R	Tamanho: B/A/C/D/E	Tamanho: B/A/D/E/F/G

					
Nome: Elipse	Nome: Football	Nome: Fechadura	Nome: Chaveta	Nome: Chaveta Dupla	Nome: Chaveta Quadrada
Tamanho: B/A/C/R	Tamanho: A/B	Tamanho: A/B/C	Tamanho: C/B/A	Tamanho: C/B/A	Tamanho: C/B/A

FORMATOS

					
Nome: Chaveta	Nome: Chaveta Dupla	Nome: Chaveta - Quad	Nome: Chaveta	Nome: Micro - Articulação	Nome: Triângulo R
Tamanho: C/B/A	Tamanho: C/B/A	Tamanho: C/B/A	Tamanho: C/B/A/D	Tamanho: B/A	Tamanho: A/B/C/R
					
Nome: Raio de Sent. Único	Nome: Raio de Quatro Vias	Nome: Quatro Raios	Nome: H Com Raio	Nome: Corpo H	Nome: Quatro Raios
Tamanho: B/A/R	Tamanho: A/R	Tamanho: A/B/C/D/E/F	Tamanho: D/C/B/A	Tamanho: D/C/A/B	Tamanho: A/B/C/D/E
					
Nome: Banana	Nome: Banana	Nome: Connector	Nome: Connector	Nome: Connector	Nome: Keyhole
Tamanho: A/C/D/R	Tamanho: B/C/A	Tamanho: D/B/C/A/R	Tamanho: D/B/A/C/F/R	Tamanho: D/B/C/A/R	Tamanho: C/A/B
					
Nome: Fechadura	Nome: Fechadura	Nome: Fechadura	Nome: Fechadura	Nome: Fechadura	Nome: Fechadura
Tamanho: C/A/B	Tamanho: C/A/B	Tamanho: C/A/B	Tamanho: C/A/B	Tamanho: C/A/B	Tamanho: B/C/A
					
Nome: Corpo T	Nome: Corpo T	Nome: Cruz	Nome: Cruz	Nome: Cruz	
Tamanho: D/C/B/A	Tamanho: D/C/A/B	Tamanho: C/B/D/A	Tamanho: B/A/D	Tamanho: B/A/C/D/R	



Linkedin



Instagram



tres-s.com.br



Whatsapp

A TRÊS-S RESERVA-SE O DIREITO DE EFETUAR ALTERAÇÕES DE CARACTERÍSTICAS, ILUSTRAÇÕES, ESPECIFICAÇÕES TÉCNICAS E DIMENSÕES A QUALQUER MOMENTO E SEM PRÉVIO AVISO.

TRÊS-S
FERRAMENTAS DE PRECISÃO LTDA.

- ✓ Bucha Desmontável
- ✓ Buchas para Colar de Esferas
- ✓ Colar de Esferas
- ✓ Pinos
- ✓ Porta Bucha
- ✓ Porta Pino

BASE DE ESTAMPO

TRÊS-S
FERRAMENTAS DE PRECISÃO LTDA.

- ✓ CARGA LEVE
- ✓ CARGA MÉDIA
- ✓ CARGA PESADA
- ✓ CARGA EXTRA PESADA

MOLAS DE COMPRESSÃO

TRÊS-S
FERRAMENTAS DE PRECISÃO LTDA.

- ✓ Componentes de Porta moldes
- ✓ Buchas
- ✓ Colunas
- ✓ Buchas de Injeção
- ✓ Buchas Rolamentadas
- ✓ Componentes Conforme Desenho

PORTA MOLDE E COMPONENTES

TRÊS-S
FERRAMENTAS DE PRECISÃO LTDA.

- ✓ Arruela de Deslizamento
- ✓ Bucha Grafitada
- ✓ Cunha Guia Grafitada
- ✓ Guia Lateral Grafitada
- ✓ Guia Prismático Grafitada
- ✓ Placa Guia Grafitada

COMPONENTES GRAFITADOS

TRÊS-S
FERRAMENTAS DE PRECISÃO LTDA.

- ✓ Pinos Retificados
- ✓ Punções
- ✓ Pinos Escavadores
- ✓ Lâminas Extrudoras
- ✓ Buchas Extrudoras
- ✓ Matrizes de Corte

CATÁLOGO DE PINOS

TRÊS-S
FERRAMENTAS DE PRECISÃO LTDA.

- ✓ Controlador de Temperatura
- ✓ Bloco Quente
- ✓ Manifold
- ✓ Heat Half
- ✓ Resistência

SISTEMAS DE CÂMARA QUENTE

Parque Fabril

Rodovia Anhanguera – SP 330 Km 298 + 193m
14140-000 - Cravinhos - SP
16 3518-1900

Comercial

Rua Dias da Silva, 1122 Vila Maria - São Paulo
02114-002 - São Paulo - SP
11 2085-4350