



WISTHER

RESISTENCIAS Y ACCESORIOS PARA MOLDES

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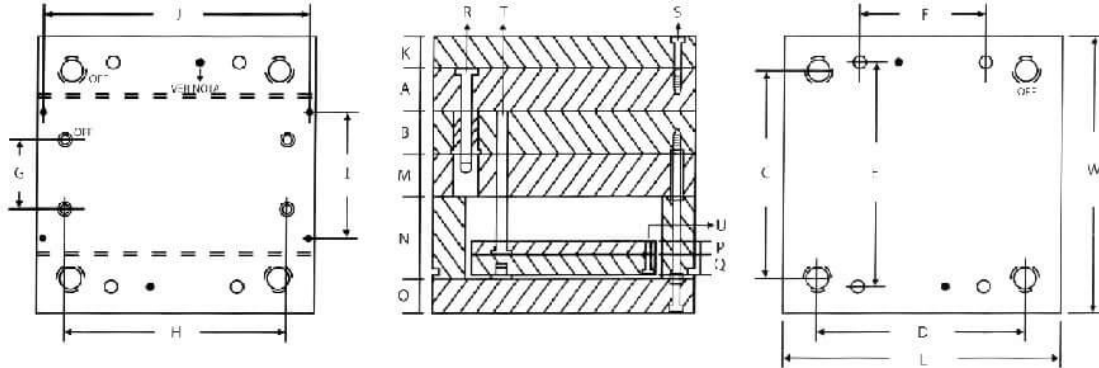
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PORTAMOLDES



CLAVE CAT.	W	L	C	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S	T	U
88A	7 7/8	7 7/8	6 1/4	6 1/8	6 1/4	2 3/4	3	6 5/8	4 1/2	6 3/4	7/8	1 3/8	*	1	1/2	1	3/4 Ø	1/2 - 13	1/2 Ø	5/16 - 18
812A	7 7/8	11 7/8	6 1/4	10 1/8	6 1/4	4 1/2	3	10 5/8	4 1/2	10 3/4	7/8	1 3/8	*	1	1/2	1	3/4 Ø	1/2 - 13	1/2 Ø	5/16 - 18
108A	9 7/8	8	8 1/8	6 1/16	8	3 3/4	4 1/2	6 5/8	6 1/8	6 3/4	7/8	1 7/8	*	1	1/2	1	3/4 Ø	1/2 - 13	5/8 Ø	5/16 - 18
1012A	9 7/8	11 7/8	8 1/8	9 15/16	8	6 1/2	4 1/2	10 1/2	6 1/8	10 5/8	7/8	1 7/8	*	1	1/2	1	7/8 Ø	1/2 - 13	5/8 Ø	5/16 - 18
1016A	9 7/8	16	8 1/8	14 1/16	8	10	4 1/2	14 5/8	6 1/8	14 3/4	7/8	1 7/8	*	1	1/2	1	7/8 Ø	1/2 - 13	5/8 Ø	5/16 - 18
1112A	10 7/8	12	9 1/8	10 1/16	8 15/16	6 3/8	5 5/8	10 5/8	6 5/8	9 1/8	7/8	1 7/8	*	1	1/2	1	7/8 Ø	1/2 - 13	5/8 Ø	5/16 - 18
1114A	10 7/8	14	9 1/8	12 1/16	8 15/16	6 3/8	5 5/8	12 5/8	6 5/8	11 1/8	7/8	1 7/8	*	1	1/2	1	7/8 Ø	1/2 - 13	5/8 Ø	5/16 - 18
1212A	11 7/8	12	10	9 7/16	9 15/16	5 5/8	6 3/8	10 5/8	7 5/8	9	7/8	1 7/8	*	1	1/2	1 1/8	1 Ø	1/2 - 13	3/4 Ø	5/16 - 18
1215A	11 7/8	15	10	12 7/16	9 15/16	9	6 3/8	13 5/8	7 5/8	12	7/8	1 7/8	*	1	1/2	1 1/8	1 Ø	1/2 - 13	3/4 Ø	5/16 - 18
1315A	13 3/8	15	11 3/8	12 7/16	11 7/16	9	7 5/8	13 5/8	8 1/2	12	1 3/8	1 7/8	*	1	5/8	1 1/8	1 Ø	1/2 - 13	3/4 Ø	3/8 - 16
1318A	13 3/8	18	11 3/8	14 15/16	11 7/16	10 7/8	7 5/8	16 5/8	8 1/2	14 7/8	1 3/8	1 7/8	*	1	5/8	1 1/8	1 Ø	1/2 - 13	3/4 Ø	3/8 - 16

*LA DISENSIÓN "N" ESTARÁ EN FUNCIÓN DEL ESPESOR DE LAS PLACAS A Y B (PORTACAVIDADES).

NOTA: LOS TORNILLOS CENTRALES ÚNICAMENTE LOS LLEVAN LOS MODELOS 1215A, 1315A Y ESTÁN COLOCADOS 1" (OPUESTOS) SOBRE EL EJE "X" CON RESPECTO DE LA LINEA DE CENTRO DEL PORTAMOLDE.



Al ordenar especifique:

- ✳ CANTIDAD
- ✳ ANCHO x LARGO (WxL)
- ✳ ESPESOR DE LAS PLACAS "A Y B"
- ✳ TIPO DE MATERIAL
- ✳ DIAMETRO ARILLO LOCALIZADOR
- ✳ RADIO Y ORFICIO BOQUILLA



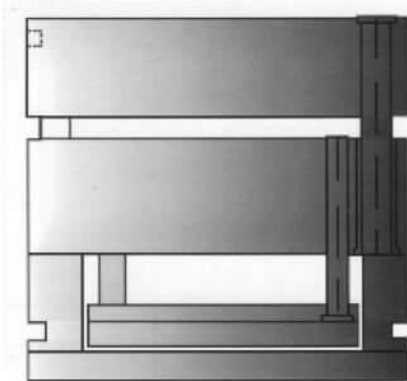
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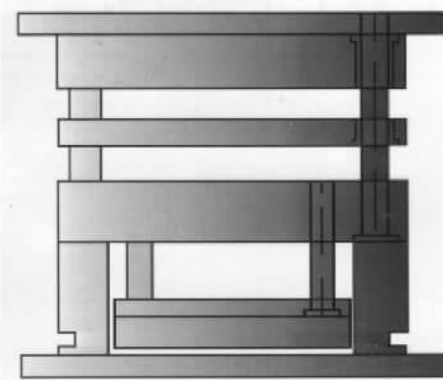
TIPOS DE ENSAMBLE

TIPO "B"



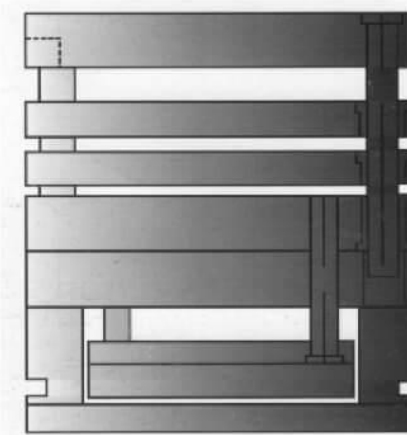
- * PLACA PT CAVIDAD "A"
- * PLACA PT CAVIDAD "B"
- * PARALELAS
- * PLACA INFERIOR FIJACIÓN

TIPO "X"



- * PLACA SUPERIOR FIJACIÓN
- * PLACA PT CAVIDAD "A"
- * PLACA PT CAVIDAD FLOTANTE
- * PLACA PT CAVIDAD "B"
- * PARALELAS
- * PLACA INFERIOR FIJACIÓN

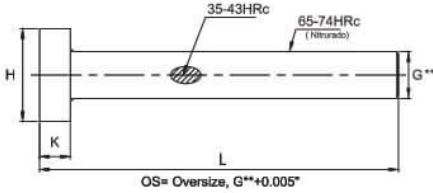
TIPO "T"



- * PLACA SUPERIOR FIJACIÓN
- * PLACA PT CAVIDAD "A"
- * PLACA PT CAVIDAD FLOTANTE
- * PLACA PT CAVIDAD "B"
- * PLACA SOPORTE
- * PARALELAS
- * PLACA INFERIOR FIJACIÓN



PERNOS BOTADORES DCX



INFORMACIÓN:
 G = Diámetro del Perno
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo

Material = 1.2344 (Tipo AISI H13) Acero
 Dureza Interna = 35-43 HRc
 Dureza Externa = 65-74 HRc
 [OS] = También disponible en Oversize

CLAVE	G	H	K	L-6	L-10	L-14	L-18	L-25	L-36	L-45
** DCX 3	3/64 (.046)	1/4	1/8	●	●	○	○	○	○	○
** DCX 5	1/16 (.062)	1/4	1/8	●	○	○	○	○	○	○
** DCX 6	5/64 (.078)	1/4	1/8	●	●	○	○	○	○	○
** DCX 7	3/32 (.093)	1/4	1/8	●	●	○	○	○	○	○
** DCX 8	7/64 (.109)	1/4	1/8	●	●	○	○	○	○	○
DCX 9	1/8 (.125)	1/4	1/8	●	●	●	○	○	○	○
DCX 0	9/64 (.140)	1/4	1/8	●	●	●	○	○	○	○
DCX 1	5/32 (.156)	9/32	5/32	●	●	●	●	○	○	○
DCX 2	11/64 (.171)	11/32	3/16	○	●	●	○	○	○	○
DCX 3	3/16 (.187)	3/8	3/16	●	●	●	●	●	○	○
DCX 4	13/64 (.203)	3/8	3/16	○	●	●	○	○	○	○
DCX 5	7/32 (.218)	13/32	3/16	●	●	●	○	●	○	○
DCX 6	15/64 (.234)	13/32	3/16	○	●	●	○	○	○	○
DCX 7	1/4 (.250)	7/16	3/16	●	●	●	●	●	○	○
DCX 8	17/64 (.265)	7/16	1/4	○	●	●	○	●	○	○
DCX 9	9/32 (.281)	7/16	1/4	●	●	●	●	●	○	○
DCX20	19/64 (.296)	1/2	1/4	○	●	●	○	○	○	○
DCX21	5/16 (.312)	1/2	1/4	●	●	●	●	●	○	○
DCX22	21/64 (.328)	9/16	1/4	○	●	●	○	●	○	○
DCX23	11/32 (.343)	9/16	1/4	●	●	●	○	●	○	○
DCX24	23/64 (.359)	5/8	1/4	○	●	●	○	○	○	○
DCX25	3/8 (.375)	5/8	1/4	●	●	●	●	●	●	○
DCX26	25/64 (.390)	5/8	1/4	○	●	○	○	○	○	○
DCX27	13/32 (.406)	11/16	1/4	●	●	●	●	●	○	○
DCX28	27/64 (.421)	11/16	1/4	○	●	○	○	○	○	○
DCX29	7/16 (.437)	11/16	1/4	●	●	●	●	●	●	○
DCX30	29/64 (.453)	11/16	1/4	○	●	○	○	○	○	○
DCX31	15/32 (.468)	3/4	1/4	●	●	●	●	●	○	○
DCX32	31/64 (.484)	3/4	1/4	○	●	●	○	○	○	○
DCX33	1/2 (.500)	3/4	1/4	●	●	●	●	●	●	●
DCX34	17/32 (.531)	3/4	1/4	●	●	●	○	○	○	○
DCX35	9/16 (.562)	13/16	1/4	●	●	●	●	●	○	○
DCX37	5/8 (.625)	7/8	1/4	●	●	●	●	●	●	○
DCX39	11/16 (.687)	15/16	1/4	●	●	●	●	●	○	○
DCX41	3/4 (.750)	1"	1/4	●	●	●	●	●	●	●
DCX45	7/8 (.875)	1-1/8	1/4	●	●	●	●	●	○	○
DCX47	1" (1.000)	1-1/4	1/4	●	●	●	●	●	●	●

● = Disponible Estándar.
 ○ = No Disponible, o Disponible Solamente como Especial.

CÓMO ORDENAR

Combinar el no. de Parte con la letra "L" ** (Largo Para DCX3 a DCX8, combinar Ref, largo y agregar deseado) Ejemplo: DCX25 L 14, DCX33 L 10. NS al final.
 Agregar "OS" para diámetros sobre medida de .005
 (Ejemplo: DCX25 L 14OS, DCX33 L 10OS).



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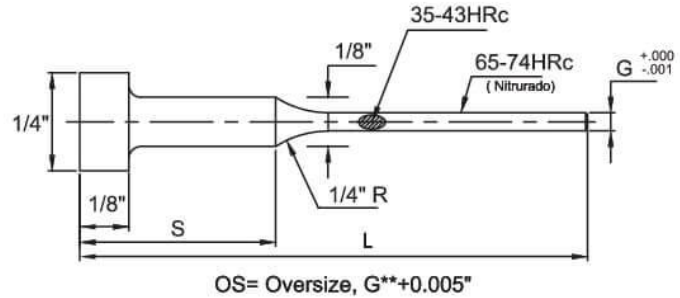


PERNOS BOTADORES DCX

CON HOMBRO Y DIÁMETROS PEQUEÑOS

INFORMACIÓN:

G = Diámetro del Cuerpo del Perno
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 S = Largo del Hombro
 Material = 1.2344 (Tipo AISI H13) Acero
 Dureza Externa = 65-74 HRc
 Dureza Interna = 35-43 HRc
 [OS] = También disponible en Oversize



Largo del Hombro 1/2 y 2 (Dimensión S).

CLAVE	G	L-6	L-10	L-14
DCX 2	1/32 (.031)	●	○	○
DCX 3	3/64 (.046)	●	●	●
DCX 5	1/16 (.062)	●	●	●
DCX 6	5/64 (.078)	●	●	●
DCX 7	3/32 (.093)	●	●	●
DCX 8	7/64 (.109)	●	●	●

○ = No Disponible, o Disponible Solamente como Especial.
 ● = Disponible en Estándar.

CÓMO ORDENAR

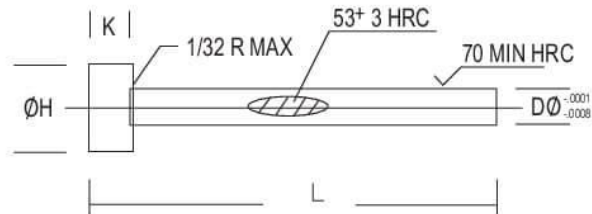
- Combinar el No. de Parte con la letra "L" (largo deseado):
 Para Hombros de 1/2" utilizar "12SH" (Ejemplo: DCX3L612SH, DCX7L1012SH)
 - Para Hombros de 2" solo combine la REF. con la letra "L" (largo deseado) (Ejemplo: DCX3L6, DCX7L10)
 - Agregar "OS" para diámetros sobre medida de .005 (Ejemplo: DCX3L612SHOS, DCX3L6OS)

BOTADOR CON RECUBRIMIENTO CROMO TDC

- Mejor resistencia a la corrosión y al desgaste
- Eleva la lubricidad sin necesidad de lubricación Externa.
- Dureza en el corazón 53 + 3 HRc.

INFORMACIÓN:

H = Diámetro de cabeza
 K = Espesor de cabeza
 D = Diámetro
 L = Largo



CLAVE		D	H	K
L= 10	L= 14			
DCX-IHC-0125-10	DCX-IHC-0125-14	1/8 (0.1250)	1/4	1/8
DCX-IHC-0187-10	DCX-IHC-0187-14	3/16 (0.1875)	3/8	3/16
DCX-IHC-0250-10	DCX-IHC-0250-14	1/4 (0.2500)	7/16	3/16
DCX-IHC-0312-10	DCX-IHC-0312-14	5/16 (0.3125)	1/2	1/4
DCX-IHC-0500-10	DCX-IHC-0500-14	1/2 (0.5000)	3/4	1/4



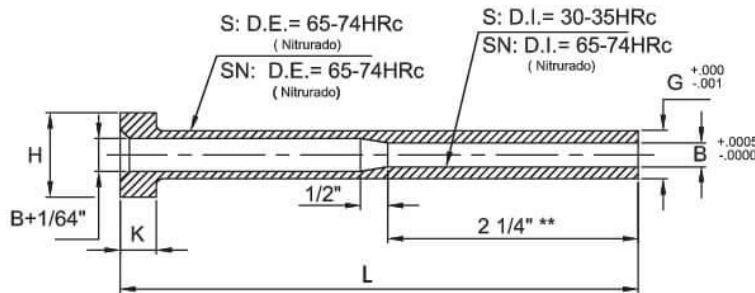
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MANGAS BOTADORAS TIPO ST Y SNT

NITRURADAS Y NO NITRURADAS



INFORMACIÓN:

B = Diámetro Interior
 G = Diámetro Exterior
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 Material = 1.2344 (Tipo AISI H13) Acero
 Dureza ST = 30-35 HRC
 Dureza SNT = 65-74 HRC

CLAVE	CLAVE	B	G	H	K	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10	L-11	L-12	L-14
** ST 13	SNT 13	3/32 (.093)	3/16 (.187)	3/8	3/16	●	●	●	●	●	○	○	○	○	○	○
** ST 15	SNT 15	1/8 (.125)	7/32 (.218)	13/32	3/16	●	●	●	●	●	○	○	○	○	○	○
ST 17	SNT 17	5/32 (.156)	1/4 (.250)	7/16	3/16	○	●	●	●	●	●	●	●	●	●	●
ST 21	SNT 21	3/16 (.187)	5/16 (.312)	1/2	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 23	SNT 23	7/32 (.218)	11/32 (.343)	9/16	1/4	○	●	●	●	●	●	●	●	○	○	●
ST 25	SNT 25	1/4 (.250)	3/8 (.375)	5/8	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 29	SNT 29	5/16 (.312)	7/16 (.437)	11/16	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 33	SNT 33	3/8 (.375)	1/2 (.500)	3/4	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 37	SNT 37	7/16 (.437)	5/8 (.625)	7/8	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 39	SNT 39	1/2 (.500)	11/16 (.687)	15/16	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 41	SNT 41	9/16 (.562)	3/4 (.750)	1"	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 45	SNT 45	5/8 (.625)	7/8 (.875)	1-1/8	1/4	○	●	●	●	●	●	●	●	●	●	●
ST 47	SNT 47	3/4 (.750)	1" (1.00)	1-1/4	1/4	○	●	●	●	●	●	●	●	●	●	●

● = Disponible únicamente en Diam. Int Estándar (No-Nitrurado).
 ○ = No Disponible, o Disponible Solamente como Especial.

** ST13 y ** SNT15 tienen un largo de ajuste 1 3/4"

CÓMO ORDENAR

ST = Combinar el No. de Parte con la letra "L" (Largo deseado).
 Ejemplo: ST29M6, ST25M10

SNT = Combinar la REF, con "L" (largo deseado).
 Ejemplo: SNT2506, SNT1710



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PERNOS CORAZONEROS CB Y CD

ESTÁNDARES Y DE ALTA DUREZA

INFORMACIÓN:

G = Diámetro del Cuerpo del Perno

H = Diámetro de la Cabeza

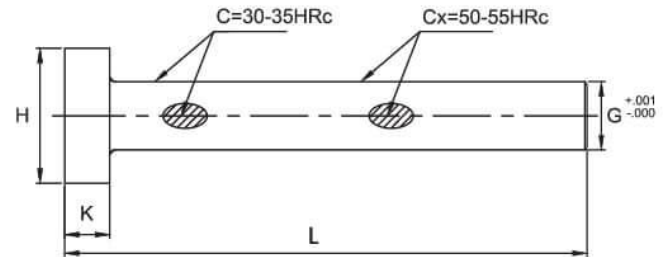
K = Espesor de la Cabeza

L = Largo

Material = 1.2344 (Tipo AISI H13) Acero

Dureza DC = 30-35 HRc

Dureza DCX = 50-55 HRc



CLAVE	CLAVE	G	H	K	L-3**	L-6	L-10	L-14
CB 7	CD 7	3/32 (.093)	1/4	1/8	●	●	●	○
CB 8	CD 8	7/64 (.109)	1/4	1/8	●	●	●	○
CB 9	CD 9	1/8 (.125)	1/4	1/8	●	●	●	●
CB 10	CD 10	9/64 (.140)	1/4	1/8	●	●	●	●
CB 11	CD 11	5/32 (.156)	9/32	5/32	●	●	●	●
CB 12	CD 12	11/64 (.171)	11/32	3/16	●	●	●	●
CB 13	CD 13	3/16 (.187)	3/8	3/16	●	●	●	●
CB 14	CD 14	13/64 (.203)	3/8	3/16	●	●	●	●
CB 15	CD 15	7/32 (.218)	13/32	3/16	●	●	●	●
CB 17	CD 17	1/4 (.250)	7/16	3/16	●	●	●	●
CB 19	CD 19	9/32 (.281)	7/16	1/4	●	●	●	●
CB 21	CD 21	5/16 (.312)	1/2	1/4	●	●	●	●
CB 23	CD 23	11/32 (.343)	9/16	1/4	●	●	●	●
CB 25	CD 25	3/8 (.375)	5/8	1/4	●	●	●	●
CB 27	CD 27	13/32 (.406)	11/16	1/4	●	●	●	●
CB 29	CD 29	7/16 (.437)	11/16	1/4	●	●	●	●
CB 31	CD 31	15/32 (.468)	3/4	1/4	●	●	●	●
CB 33	CD 33	1/2 (.500)	3/4	1/4	●	●	●	●
CB 35	CD 35	9/16 (.562)	13/16	1/4	○	○	●	●
CB 37	CD 37	5/8 (.625)	7/8	1/4	○	○	●	●
CB 41	CD 41	3/4 (.750)	1	1/4	○	○	●	●

○ = No Disponible, o Disponible Solamente como Especial.

● = Disponible únicamente en Diam. Int Estándar (No-Nitrurado).

**Las Cabezas de los Pernos (corazones) de 3"-de largo no están recocidas. Si se requiere que las Cabezas de los pernos de 3"-de largo estén recocidas, deberán de ser por medio de una orden especial. (Otra opción puede que usted compre los pernos de 6" y recortarlos posteriormente al largo requerido).

NOTA: Estos pernos NO podrán ser usados en conjunto con las mangas botadoras.

CÓMO ORDENAR:

Combinar el No. de Parte del Artículo con la letra L (largo deseado)

Ejemplo: CB33L10, CB9L3, CD33L10, CD9L3



RESISTENCIAS Y ACCESORIOS
PARA MOLDES

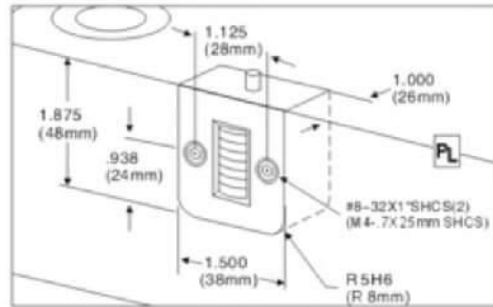
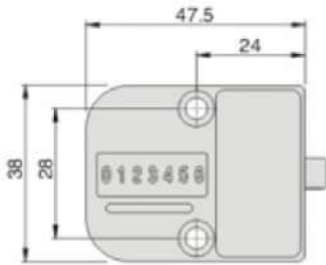
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CONTROLADORES DE CICLOS

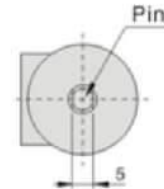
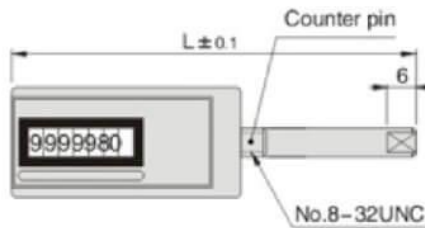
SQUARE MOLD COUNTER A-CVPL (Internal extension mount)
A-CVEX (Parting line mount)

•Non-resettable mechanical, 7-digit



Type No.
A-CVPL

ROUND MOLD COUNTER A-CVR (Compact Type)



Type No.
A-CVR

Order: Type No. x Pcs
A-CVR x 10



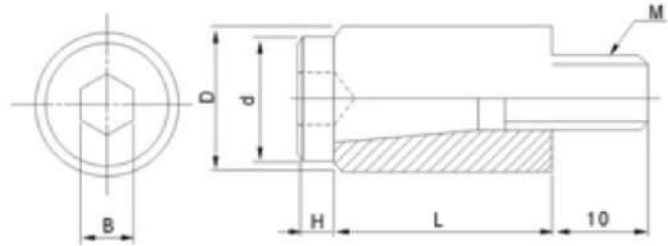
RESISTENCIAS Y ACCESORIOS
PARA MOLDES



EXTRACTORES DE BOTADORAS

PARTING LOCK APLA

Material : 1. SCM435
2. RESIN



Features:

1. Use sloping screw to adjust mold plate and parting locks, then turn 90 degrees , parting locks can be closed up to 50,000 times.
2. Easy to assemble and disassemble , and cost efficient.
3. Can also be installed into small, medium size , and 2-sectional injecting metal pipes, or can be installed on sliding bases,
4. Mold weight < 100kg , using 4 pcs of 12 ϕ
Mold weight < 500kg , using 4 purchase of 16 ϕ
Mold weight < 1,000kg, using 4 purchase of 20 ϕ
Mold weight > 1,000kg, using at least 6 pcs.
5. Insert parting locks into die mold about 3cm , then using H7 reamer to process mold hole within +0.1mm range.
6. Process mold surface to the shape of letter R , if processing to the chamfering of letter C, it will shorten its life cycle.
7. Do not add any oil on parting locks , doing so will reduce the friction.

Type No.	ϕD	ϕd	H	L	M	B
APLA	10	8.5	3	18	M5	4
	12	11	3.5	20	M6	5
	13	11	3.5	20	M6	5
	16	14	4	25	M8	6
	20	16	5	30	M10	8

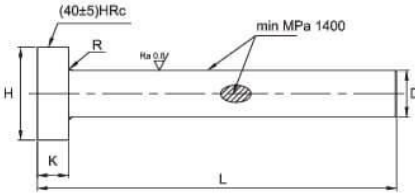
Order: Type No. x D x PCS
APLA x 16 x 10





PERNO CORAZONERO

TIPO (HX)



INFORMACIÓN:

D = Diámetro del Cuerpo del Perno Estándar = Tipo DIN 1530/ISO 6751
 H = Diámetro de la Cabeza Material = 1.2344 (Tipo AISI H13) Acero
 K = Espesor de la Cabeza Tratado de Superficie = Ninguna (Endurecido)
 L = Largo Temp. Máxima = 500°-550°C (932°-1022°F)
 R = Radio Dimensiones = Mostradas en Milímetros (mm)

CLAVE	L * 2													D _{0.05}	H _{0.2}	K _{0.05}	R	
	60	63	80	100	125	160	200	250	315	400	500	630	800					1000
HX 1 -L				●	●	●	●								1	3	1.5	0.2
HX 1,5 -L				●	●	●	●								1.5	3	1.5	0.2
HX 2 -L			●	●	●	●	●	●							2	4	2	0.2
HX 2,2 -L				●	●	●	●								2.2	4	2	0.2
HX 2,5 -L				●	●	●	●	●							2.5	5	2	0.3
HX 2,7 -L				●	●	●	●	●	●						2.7	5	2	0.3
HX 3 -L		●	●	●	●	●	●	●	●	●					3	6	3	0.3
HX 3,2 -L				●	●	●	●	●	●	●	●				3.2	6	3	0.3
HX 3,5 -L				●	●	●	●	●	●	●					3.5	7	3	0.3
HX 3,7 -L				●	●	●	●	●	●	●					3.7	7	3	0.3
HX 4 -L	●	●	●	●	●	●	●	●	●	●	●				4	8	3	0.3
HX 4,2 -L	●	●	●	●	●	●	●	●	●	●					4.2	8	3	0.3
HX 4,5 -L				●	●	●	●	●	●	●					4.5	8	3	0.3
HX 5 -L			●	●	●	●	●	●	●	●	●	●	●		5	10	3	0.3
HX 5,2 -L				●	●	●	●	●	●	●	●				5.2	10	3	0.3
HX 5,5 -L				●	●	●	●	●	●	●	●				5.5	10	3	0.3
HX 6 -L			●	●	●	●	●	●	●	●	●	●	●		6	12	5	0.5
HX 6,2 -L				●	●	●	●	●	●	●	●	●	●		6.2	12	5	0.5
HX 6,5 -L				●	●	●	●	●	●	●	●				6.5	12	5	0.5
HX 7 -L				●	●	●	●	●	●	●	●	●			7	12	5	0.5
HX 7,5 -L				●	●	●	●	●	●	●	●	●			7.5	12	5	0.5
HX 8 -L				●	●	●	●	●	●	●	●	●	●	●	8	14	5	0.5
HX 8,2 -L				●	●	●	●	●	●	●	●	●	●	●	8.2	14	5	0.5
HX 8,5 -L				●	●	●	●	●	●	●	●	●	●		8.5	14	5	0.5
HX 9 -L				●	●	●	●	●	●	●	●	●			9	14	5	0.5
HX 9,5 -L				●	●	●	●	●	●	●	●	●			9.5	14	5	0.5
HX 10 -L				●	●	●	●	●	●	●	●	●	●	●	10	16	5	0.5
HX 10,2 -L				●	●	●	●	●	●	●	●	●	●	●	10.2	16	5	0.5
HX 10,5 -L				●	●	●	●	●	●	●	●	●			10.5	16	5	0.5
HX 11 -L				●	●	●	●	●	●	●	●	●			11	16	5	0.5
HX 12 -L				●	●	●	●	●	●	●	●	●	●	●	12	18	7	0.8
HX 12,2 -L				●	●	●	●	●	●	●	●	●	●	●	12.2	18	7	0.8
HX 12,5 -L				●	●	●	●	●	●	●	●	●	●	●	12.5	18	7	0.8
HX 14 -L				●	●	●	●	●	●	●	●	●	●	●	14	22	7	0.8
HX 16 -L				●	●	●	●	●	●	●	●	●	●	●	16	22	7	0.8
HX 18 -L				●	●	●	●	●	●	●	●	●	●	●	18	24	7	0.8
HX 20 -L					●	●	●	●	●	●	●	●	●	●	20	26	8	1
HX 25 -L						●	●	●	●	●	●	●	●	●	25	32	10	1
HX 32 -L							●	●	●	●	●	●	●	●	32	40	10	1



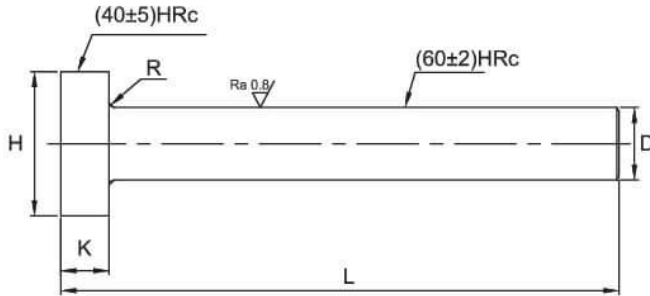
RESISTENCIAS Y ACCESORIOS PARA MOLDES

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PERNO CORAZONERO MÉTRICO

TIPO (H)



INFORMACIÓN:

D = Diámetro del cuerpo del perno
 H = Diámetro de la cabeza
 K = Espesor de la cabeza
 L = Largo
 R = Radio
 Estándar = Tipo din 1530/iso 6751
 Material = 1.2210 (tipo aisi I2) acero
 Tratado de superficie = Ninguna (endurecido)
 Temp. máxima = 250°C (482°F)
 Dimensiones = Mostradas en milímetros (mm)

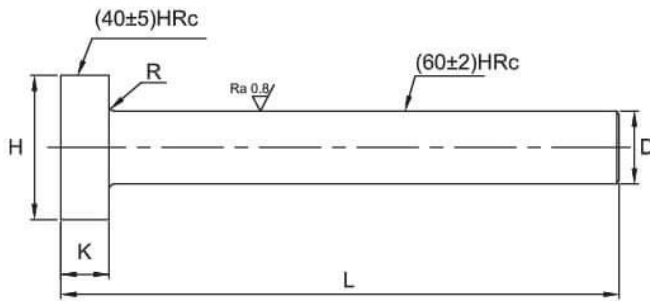
CLAVE	L ⁺² / ₀														D _{gr}	H _{gr}	K _{gr}	R	
	40	60	63	80	100	125	160	200	250	315	400	500	630	800					1000
H 1,5 -L	●	●	●	●	●	●	●	●	●							1.5	3	1.5	0.2
H 1,6 -L	●	●	●	●	●	●	●	●	●							1.6	3	1.5	0.2
H 1,7 -L					●	●	●	●	●							1.7	3	1.5	0.2
H 1,8 -L					●	●	●	●	●							1.8	3	1.5	0.2
H 2 -L	●	●	●	●	●	●	●	●	●	●						2	4	2	0.2
H 2,1 -L							●	●	●							2.1	4	2	0.2
H 2,2 -L				●	●	●	●	●	●	●						2.2	4	2	0.2
H 2,5 -L	●	●	●	●	●	●	●	●	●	●						2.5	5	2	0.3
H 2,7 -L				●	●	●	●	●	●	●						2.7	5	2	0.3
H 3 -L	●	●	●	●	●	●	●	●	●	●	●	●				3	6	3	0.3
H 3,1 -L							●	●	●							3.1	6	3	0.3
H 3,2 -L				●	●	●	●	●	●	●	●					3.2	6	3	0.3
H 3,5 -L	●	●		●	●	●	●	●	●	●	●					3.5	7	3	0.3
H 3,7 -L				●	●	●	●	●	●	●	●					3.7	7	3	0.3
H 4 -L	●	●	●	●	●	●	●	●	●	●	●	●				4	8	3	0.3
H 4,1 -L							●	●	●							4.1	8	3	0.3
H 4,2 -L		●	●	●	●	●	●	●	●	●	●	●				4.2	8	3	0.3
H 4,5 -L				●	●	●	●	●	●	●	●	●				4.5	8	3	0.3
H 4,7 -L				●	●	●	●	●	●	●	●	●				4.7	8	3	0.3
H 5 -L	●	●	●	●	●	●	●	●	●	●	●	●	●	●		5	10	3	0.3
H 5,1 -L							●	●	●							5.1	10	3	0.3
H 5,2 -L				●	●	●	●	●	●	●	●	●				5.2	10	3	0.3
H 5,5 -L					●	●	●	●	●	●	●	●				5.5	10	3	0.3
H 6 -L	●	●	●	●	●	●	●	●	●	●	●	●	●	●		6	12	5	0.5
H 6,1 -L							●	●	●							6.1	12	5	0.5
H 6,2 -L				●	●	●	●	●	●	●	●	●	●			6.2	12	5	0.5
H 6,5 -L					●	●	●	●	●	●	●	●	●			6.5	12	5	0.5
H 7 -L					●	●	●	●	●	●	●	●	●	●		7	12	5	0.5
H 8 -L	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	8	14	5	0.5
H 8,1 -L							●	●	●							8.1	14	5	0.5
H 8,2 -L			●	●	●	●	●	●	●	●	●	●	●	●		8.2	14	5	0.5
H 8,5 -L					●	●	●	●	●	●	●	●	●	●		8.5	14	5	0.5
H 9 -L					●	●	●	●	●	●	●	●	●	●		9	14	5	0.5





BOTADORES MÉTRICOS CORAZONEROS

TIPO (H)



INFORMACIÓN:

D = Diámetro del cuerpo del perno
 H = Diámetro de la cabeza
 K = Espesor de la cabeza
 L = Largo
 R = Radio
 Estándar = Tipo din 1530/iso 6751
 Material = 1.2210 (tipo aisi l2) acero
 Tratado de superficie = Ninguna (endurecido)
 Temp. máxima = 250 °c (482° f)
 Dimensiones = Mostradas en milímetros (mm)

CLAVE	L ⁺² ₀														D _{0.6}	H _{0.2}	K _{0.09}	R	
	40	60	63	80	100	125	160	200	250	315	400	500	630	800					1000
H 10 - L	●	●		●	●	●	●	●	●	●	●	●	●	●	●	10	16	5	0.5
H 10,1 - L								●								10.1	16	5	0.5
H 10,2 - L				●	●	●	●	●	●	●	●	●	●			10.2	16	5	0.5
H 10,5 - L					●	●	●	●	●	●	●	●	●			10.5	16	5	0.5
H 11 - L					●	●	●	●	●	●	●	●	●			11	16	5	0.5
H 12 - L	●	●		●	●	●	●	●	●	●	●	●	●	●	●	12	18	7	0.8
H 12,1 - L								●								12.1	18	7	0.8
H 12,2 - L					●	●	●	●	●	●	●	●	●			12.2	18	7	0.8
H 12,5 - L					●	●	●	●	●	●	●	●	●			12.5	18	7	0.8
H 14 - L				●	●	●	●	●	●	●	●	●	●	●	●	14	22	7	0.8
H 16 - L				●	●	●	●	●	●	●	●	●	●	●	●	16	22	7	0.8
H 18 - L					●	●	●	●	●	●	●	●	●	●		18	24	7	0.8
H 20 - L					●	●	●	●	●	●	●	●	●	●	●	20	26	8	1

CÓMO ORDENAR:

Combinar No. de Parte con el Largo deseado.

Ejemplo: H1,5125, H2250, H5630



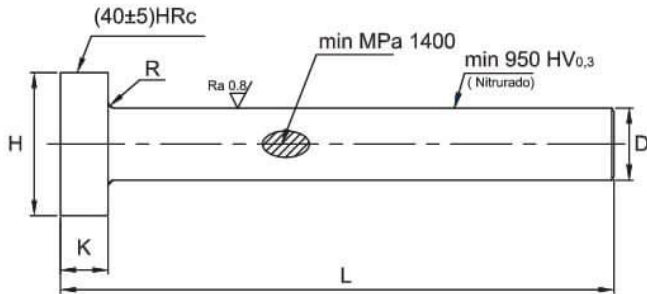
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BOTADORES MÉTRICOS NITRURADOS

TIPO (BMW)



INFORMACIÓN:

D = Diámetro del Cuerpo del Perno
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 R = Radio
 Estándar = Tipo DIN 1530/ISO 6751
 Material = 1.2344 (Tipo AISI H13) Acero
 Tratado de Superficie = Nitridado
 Temp. Máxima = 500°-550°C (932°-1022°F)
 Dimensiones = Mostradas en Milímetros (mm)

CLAVE	0														L ^{±2}			
	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	D _{0.05}	H _{±2}	K _{±0.05}	R
BMW 1 - L	●		●												1	3	2	0.2
BMW 1,2 - L	●		●												1.2	3	2	0.2
BMW 1,5 - L	●	●	●	●											1.5	3	1.5	0.2
BMW 1,6 - L			●												1.6	3	1.5	0.2
BMW 1,7 - L	●			●											1.7	3.5	2	0.2
BMW 2 - L	●	●	●	●	●	●									2	4	2	0.2
BMW 2,2 - L	●	●	●	●	●	●									2.2	4	2	0.2
BMW 2,5 - L	●	●	●	●	●	●									2.5	5	2	0.3
BMW 2,7 - L	●	●	●	●	●	●									2.7	5	2	0.3
BMW 3 - L	●	●	●	●	●	●	●								3	6	3	0.3
BMW 3,1 - L			●		●										3.1	6	3	0.3
BMW 3,2 - L	●	●	●	●	●	●	●								3.2	6	3	0.3
BMW 3,5 - L	●	●	●	●	●	●	●								3.5	7	3	0.3
BMW 3,7 - L	●	●	●	●	●	●	●								3.7	7	3	0.3
BMW 4 - L	●	●	●	●	●	●	●	●							4	8	3	0.3
BMW 4,1 - L					●										4.1	8	3	0.3
BMW 4,2 - L	●	●	●	●	●	●	●	●	●						4.2	8	3	0.3
BMW 4,5 - L	●	●	●	●	●	●	●	●							4.5	8	3	0.3
BMW 5 - L	●	●	●	●	●	●	●	●	●	●					5	10	3	0.3
BMW 5,1 - L					●										5.1	10	3	0.3
BMW 5,2 - L	●	●	●	●	●	●	●	●							5.2	10	3	0.3
BMW 5,5 - L	●	●	●	●	●	●	●	●							5.5	10	3	0.3
BMW 6 - L	●	●	●	●	●	●	●	●	●	●	●				6	12	5	0.5
BMW 6,1 - L					●										6.1	12	5	0.5
BMW 6,2 - L	●	●	●	●	●	●	●	●	●						6.2	12	5	0.5
BMW 6,5 - L	●	●	●	●	●	●	●	●							6.5	12	5	0.5
BMW 7 - L	●	●	●	●	●	●	●	●	●						7	12	5	0.5
BMW 7,5 - L	●	●	●	●	●	●	●	●							7.5	12	5	0.5
BMW 8 - L	●	●	●	●	●	●	●	●	●	●	●				8	14	5	0.5
BMW 8,1 - L			●		●										8.1	14	5	0.5
BMW 8,2 - L	●	●	●	●	●	●	●	●	●	●					8.2	14	5	0.5
BMW 8,5 - L	●	●	●	●	●	●	●	●	●						8.5	14	5	0.5
BMW 9 - L	●	●	●	●	●	●	●	●	●						9	14	5	0.5



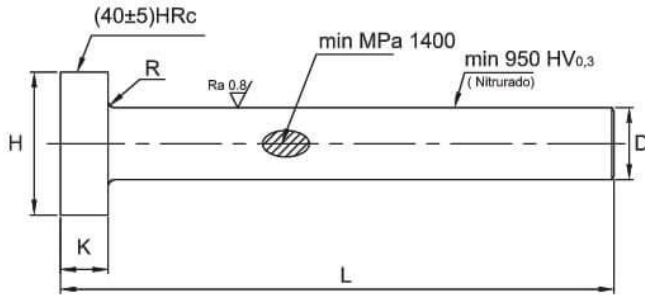
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BOTADORES MÉTRICOS NITRURADOS

TIPO (BMW)



INFORMACIÓN:

D = Diámetro del Cuerpo del Perno
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 R = Radio
 Estándar = Tipo DIN 1530/ISO 6751
 Material = 1.2344 (Tipo AISI H 13) Acero
 Tratado de Superficie = Nitruado
 Temp. Máxima = 500° - 550°C (932° - 1022° F)
 Dimensiones = Mostradas en Milímetros (mm)

CLAVE	L' 2													D ₀₆	H _{2.2}	K _{0.05}	R	
	100	125	160	200	250	315	400	500	630	800	1000	1250	1600					2000
BMW 9,5 - L	●	●	●	●	●	●	●	●	●	●	●	●	●	●	9.5	14	5	0.5
BMW 10 - L	●	●	●	●	●	●	●	●	●	●	●	●	●	●	10	16	5	0.5
BMW 10,1 - L					●										10.1	16	5	0.5
BMW 10,2 - L	●	●	●	●	●	●	●	●	●	●					10.2	16	5	0.5
BMW 10,5 - L	●	●	●	●	●	●	●	●	●						10.5	16	5	0.5
BMW 11 - L	●	●	●	●	●	●	●	●	●						11	16	5	0.5
BMW 12 - L	●	●	●	●	●	●	●	●	●	●	●	●	●		12	18	7	0.8
BMW 12,2 - L	●	●	●	●	●	●	●	●	●	●					12.2	18	7	0.8
BMW 12,5 - L	●	●	●	●	●	●	●	●	●	●					12.5	18	7	0.8
BMW 14 - L	●	●	●	●	●	●	●	●	●	●	●	●	●		14	22	7	0.8
BMW 14,2 - L					●										14.2	22	7	0.8
BMW 16 - L	●	●	●	●	●	●	●	●	●	●	●	●	●	●	16	22	7	0.8
BMW 16,2 - L					●										16.2	22	7	0.8
BMW 18 - L	●	●	●	●	●	●	●	●	●	●	●	●	●		18	24	7	0.8
BMW 20 - L	●	●	●	●	●	●	●	●	●	●	●	●	●	●	20	26	8	1
BMW 25 - L			●	●	●	●	●	●	●	●	●	●	●	●	25	32	10	1
BMW 32 - L			●	●	●	●	●	●	●	●	●	●	●	●	32	40	10	1

CÓMO ORDENAR

Combinar No. de Parte con el Largo deseado.

Ejemplo: BMW 3400, BMW 201000

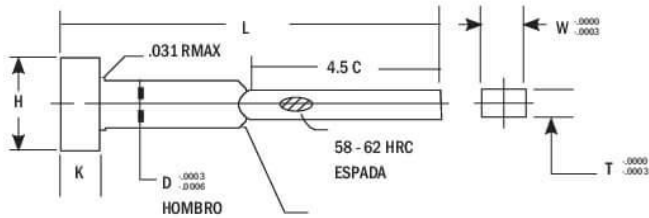


RESISTENCIAS Y ACCESORIOS
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BOTADORES PLANO EN PULGADAS



INFORMACIÓN:

T = Espesor de Cuchilla
 W = Ancho de Cuchilla
 ØD = Diámetro del Hombro
 ØH = Diámetro de la Cabeza
 ØK = Espesor de la Cabeza
 L = Largo Total

CLAVE	T ESPESOR DE CUCHILLA	W ANCHO DE CUCHILLA	ØD DIAMETRO DEL HOMBRO	ØH DIAMETRO DE LA CABEZA	ØK ESPESOR DE LA CABEZA	L LARGO TOTAL
BP-024-100-065	0.0240	0.1000	0.1250	0.250	0.125	6.50
BP-032-100-065	0.0320	0.1000	0.1250	0.250	0.125	6.50
BP-032-100-075	0.0320	0.1000	0.1250	0.250	0.125	7.50
BP-046-100-065	0.0460	0.1000	0.1250	0.250	0.125	6.50
BP-046-100-075	0.0460	0.1000	0.1250	0.250	0.125	7.50
BP-024-140-065	0.0240	0.1400	0.1562	0.281	0.156	6.50
BP-032-140-065	0.0320	0.1400	0.1562	0.281	0.156	6.50
BP-032-140-075	0.0320	0.1400	0.1562	0.281	0.156	7.50
BP-032-140-085	0.0320	0.1400	0.1562	0.281	0.156	8.50
BP-046-140-065	0.0460	0.1400	0.1562	0.281	0.156	6.50
BP-046-140-075	0.0460	0.1400	0.1562	0.281	0.156	7.50
BP-046-140-085	0.0460	0.1400	0.1562	0.281	0.156	8.50
BP-024-172-065	0.0240	0.1720	0.1875	0.375	0.187	6.50
BP-032-172-065	0.0320	0.1720	0.1875	0.375	0.187	6.50
BP-032-172-075	0.0320	0.1720	0.1875	0.375	0.187	7.50
BP-032-172-085	0.0320	0.1720	0.1875	0.375	0.187	8.50
BP-046-172-065	0.0460	0.1720	0.1875	0.375	0.187	6.50
BP-046-172-075	0.0460	0.1720	0.1875	0.375	0.187	7.50
BP-046-172-085	0.0460	0.1720	0.1875	0.375	0.187	8.50
BP-062-172-065	0.0620	0.1720	0.1875	0.375	0.187	6.50
BP-062-172-075	0.0620	0.1720	0.1875	0.375	0.187	7.50
BP-062-172-085	0.0620	0.1720	0.1875	0.375	0.187	8.50
BP-032-234-065	0.0320	0.2340	0.2500	0.437	0.187	6.50
BP-032-234-075	0.0320	0.2340	0.2500	0.437	0.187	7.50
BP-032-234-085	0.0320	0.2340	0.2500	0.437	0.187	8.50
BP-046-234-065	0.0460	0.2340	0.2500	0.437	0.187	6.50
BP-046-234-075	0.0460	0.2340	0.2500	0.437	0.187	7.50
BP-046-234-085	0.0460	0.2340	0.2500	0.437	0.187	8.50
BP-062-234-065	0.0620	0.2340	0.2500	0.437	0.187	6.50
BP-062-234-075	0.0620	0.2340	0.2500	0.437	0.187	7.50
BP-062-234-085	0.0620	0.2340	0.2500	0.437	0.187	8.50
BP-062-234-095	0.0620	0.2340	0.2500	0.437	0.187	9.50
BP-032-296-065	0.0320	0.2960	0.3125	0.500	0.250	6.50
BP-032-296-075	0.0320	0.2960	0.3125	0.500	0.250	7.50
BP-032-296-085	0.0320	0.2960	0.3125	0.500	0.250	8.50
BP-032-296-095	0.0320	0.2960	0.3125	0.500	0.250	9.50
BP-046-296-065	0.0460	0.2960	0.3125	0.500	0.250	6.50
BP-046-296-075	0.0460	0.2960	0.3125	0.500	0.250	7.50
BP-046-296-085	0.0460	0.2960	0.3125	0.500	0.250	8.50





BOTADORES PLANO EN PULGADAS

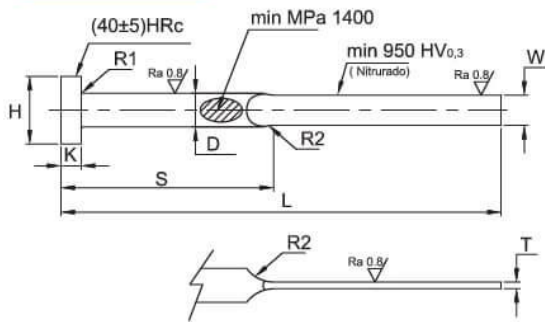
CLAVE	T ESPESOR DE CUCHILLA	W ANCHURA DE CUCHILLA	ØD DIAMETRO DEL HOMBRO	ØH DIAMETRO DE LA CABEZA	ØK ESPESOR DE LA CABEZA	L LARGO TOTAL
BP-046-296-095	0.0460	0.2960	0.3125	0.500	0.250	9.50
BP-062-296-065	0.0620	0.2960	0.3125	0.500	0.250	6.50
BP-062-296-075	0.0620	0.2960	0.3125	0.500	0.250	7.50
BP-062-296-085	0.0620	0.2960	0.3125	0.500	0.250	8.50
BP-062-296-095	0.0620	0.2960	0.3125	0.500	0.250	9.50
BP-078-296-065	0.0780	0.2960	0.3125	0.500	0.250	6.50
BP-078-296-075	0.0780	0.2960	0.3125	0.500	0.250	7.50
BP-078-296-085	0.0780	0.2960	0.3125	0.500	0.250	8.50
BP-078-296-095	0.0780	0.2960	0.3125	0.500	0.250	9.50
BP-032-359-065	0.0320	0.3590	0.3750	0.625	0.250	6.50
BP-032-359-075	0.0320	0.3590	0.3750	0.625	0.250	7.50
BP-032-359-085	0.0320	0.3590	0.3750	0.625	0.250	8.50
BP-032-359-095	0.0320	0.3590	0.3750	0.625	0.250	9.50
BP-046-359-065	0.0460	0.3590	0.3750	0.625	0.250	6.50
BP-046-359-075	0.0460	0.3590	0.3750	0.625	0.250	7.50
BP-046-359-085	0.0460	0.3590	0.3750	0.625	0.250	8.50
BP-046-359-095	0.0460	0.3590	0.3750	0.625	0.250	9.50
BP-062-359-065	0.0620	0.3590	0.3750	0.625	0.250	6.50
BP-062-359-075	0.0620	0.3590	0.3750	0.625	0.250	7.50
BP-062-359-085	0.0620	0.3590	0.3750	0.625	0.250	8.50
BP-062-359-095	0.0620	0.3590	0.3750	0.625	0.250	9.50
BP-078-359-065	0.0780	0.3590	0.3750	0.625	0.250	6.50
BP-078-359-075	0.0780	0.3590	0.3750	0.625	0.250	7.50
BP-078-359-085	0.0780	0.3590	0.3750	0.625	0.250	8.50
BP-078-359-095	0.0780	0.3590	0.3750	0.625	0.250	9.50
BP-094-422-065	0.0940	0.4220	0.4375	0.687	0.250	6.50
BP-094-422-075	0.0940	0.4220	0.4375	0.687	0.250	7.50
BP-094-422-085	0.0940	0.4220	0.4375	0.687	0.250	8.50
BP-094-422-095	0.0940	0.4220	0.4375	0.687	0.250	9.50
BP-078-484-065	0.0780	0.4840	0.5000	0.750	0.250	6.50
BP-078-484-075	0.0780	0.4840	0.5000	0.750	0.250	7.50
BP-078-484-085	0.0780	0.4840	0.5000	0.750	0.250	8.50
BP-078-484-095	0.0780	0.4840	0.5000	0.750	0.250	9.50
BP-094-484-065	0.0940	0.4840	0.5000	0.750	0.250	6.50
BP-094-484-075	0.0940	0.4840	0.5000	0.750	0.250	7.50
BP-094-484-085	0.0940	0.4840	0.5000	0.750	0.250	8.50
BP-094-484-095	0.0940	0.4840	0.5000	0.750	0.250	9.50
BP-078-547-065	0.0780	0.5470	0.5625	0.812	0.250	6.50
BP-078-547-075	0.0780	0.5470	0.5625	0.812	0.250	7.50
BP-078-547-085	0.0780	0.5470	0.5625	0.812	0.250	8.50
BP-078-547-095	0.0780	0.5470	0.5625	0.812	0.250	9.50
BP-094-547-065	0.0940	0.5470	0.5625	0.812	0.250	6.50
BP-094-547-075	0.0940	0.5470	0.5625	0.812	0.250	7.50
BP-094-547-085	0.0940	0.5470	0.5625	0.812	0.250	8.50
BP-094-547-095	0.0940	0.5470	0.5625	0.812	0.250	9.50
BP-078-609-065	0.0780	0.6090	0.6250	0.875	0.250	6.50
BP-078-609-075	0.0780	0.6090	0.6250	0.875	0.250	7.50
BP-078-609-085	0.0780	0.6090	0.6250	0.875	0.250	8.50
BP-078-609-095	0.0780	0.6090	0.6250	0.875	0.250	9.50
BP-094-609-065	0.0940	0.6090	0.6250	0.875	0.250	6.50
BP-094-609-075	0.0940	0.6090	0.6250	0.875	0.250	7.50
BP-094-609-085	0.0940	0.6090	0.6250	0.875	0.250	8.50
BP-094-609-095	0.0940	0.6090	0.6250	0.875	0.250	9.50





BOTADOR PLANO MÉTRICO

TIPO ESPADA (BPM)



INFORMACIÓN:

D = Diámetro del Hombro W = Ancho de la Espada
 H = Diámetro de la Cabeza Estándar = Tipo DIN 1530/ISO 8693
 K = Espesor de la Cabeza Material = 1.2344
 L = Largo (Tipo AISI H13) Acero
 R1 = Radio de Cabeza Tratado de Superficie = Nitruado
 R2 = Radio de Espada Temp. Máxima = 500°-550°C (932°-1022°F)
 S = Largo del Hombro Dimensiones = Mostradas en Milímetros (mm)
 T = Espesor de la Espada

CLAVE	L_0^{-2}										R1	R2	$K_{0.05}$	$H_{0.2}$	$D_{0.1}$	$T_{0.05}$	$W_{0.05}$
	60	63	80	100	125	160	200	250	315	400							
	S_2^{-1}																
	30	32	40	50	63	80	100	125	160	200							
BPM 0,8-3,5 - L		●	●	●	●	●					0.3	10	3	8	4	0.8	3.5
BPM 1,0-3,5 - L	●	●	●	●	●						0.3	10	3	8	4	1	3.5
BPM 1,2-3,5 - L		●	●	●	●	●					0.3	10	3	8	4	1.2	3.5
BPM 0,8-3,8 - L	●	●	●	●	●						0.3	10	3	8	4	0.8	3.8
BPM 1,0-3,8 - L	●	●	●	●	●	●					0.3	10	3	8	4.2	1	3.8
BPM 1,2-3,8 - L	●	●	●	●	●	●	●				0.3	10	3	8	4.2	1.2	3.8
BPM 1,0-4,5 - L			●	●	●	●	●	●			0.3	10	3	10	5	1	4.5
BPM 1,2-4,5 - L			●	●	●	●	●	●	●		0.3	10	3	10	5	1.2	4.5
BPM 1,5-4,5 - L			●	●	●	●	●	●	●		0.3	10	3	10	5	1.5	4.5
BPM 1,6-4,5 - L			●	●	●	●	●	●	●		0.3	10	3	10	5	1.6	4.5
BPM 1,8-4,5 - L			●	●	●	●	●	●	●		0.3	10	3	10	5	1.8	4.5
BPM 1,0-5,5 - L			●	●	●	●	●	●	●		0.5	10	5	12	6	1	5.5
BPM 1,2-5,5 - L			●	●	●	●	●	●	●		0.5	10	5	12	6	1.2	5.5
BPM 1,5-5,5 - L			●	●	●	●	●	●	●		0.5	10	5	12	6	1.5	5.5
BPM 1,6-5,5 - L				●	●	●	●	●	●		0.5	10	5	12	6	1.6	5.5
BPM 1,8-5,5 - L				●	●	●	●	●	●		0.5	10	5	12	6	1.8	5.5
BPM 2,0-5,5 - L					●	●	●	●	●	●	0.5	10	5	12	6	2	5.5
BPM 1,2-7,5 - L				●	●	●	●	●	●	●	0.5	10	5	14	8	1.2	7.5
BPM 1,5-7,5 - L					●	●	●	●	●	●	0.5	10	5	14	8	1.5	7.5
BPM 1,6-7,5 - L					●	●	●	●	●	●	0.5	10	5	14	8	1.6	7.5
BPM 1,8-7,5 - L						●	●	●	●	●	0.5	10	5	14	8	1.8	7.5
BPM 2,0-7,5 - L						●	●	●	●	●	0.5	10	5	14	8	2	7.5
BPM 1,5-9,5 - L						●	●	●	●	●	0.5	10	5	16	10	1.5	9.5
BPM 1,8-9,5 - L							●	●	●	●	0.5	10	5	16	10	1.8	9.5
BPM 2,0-9,5 - L								●	●	●	0.5	10	5	16	10	2	9.5
BPM 2,0-11,5 - L									●	●	0.8	10	7	18	12	2	11.5
BPM 2,5-11,5 - L										●	0.8	10	7	18	12	2.5	11.5
BPM 2,0-12,0 - L										●	0.8	10	7	18	12.5	2	12
BPM 2,5-12,0 - L										●	0.8	10	7	18	12.5	2.5	12
BPM 2,0-15,0 - L										●	0.8	10	7	22	16	2	15
BPM 2,5-15,0 - L										●	0.8	10	7	22	16	2.5	15
BPM 2,0-15,5 - L										●	0.8	10	7	22	16	2	15.5
BPM 2,5-15,5 - L										●	0.8	10	7	22	16	2.5	15.5

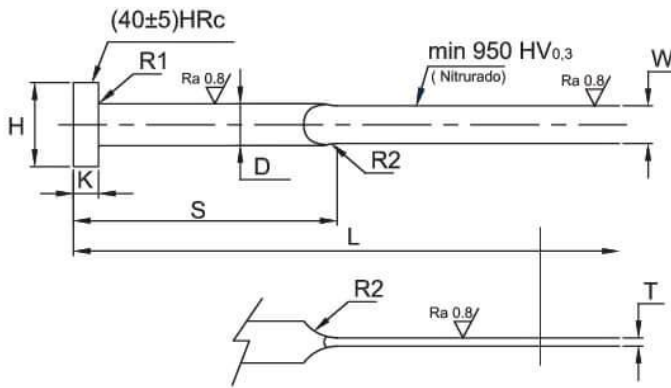
CÓMO ORDENAR: Combinar No. de Parte con el Largo deseado. Ejemplo: BPM 2,5-15,5 400





BOTADORES MÉTRICOS PLANOS TEMPLADOS

TIPO ESPADA (BPM)



INFORMACIÓN:

D = Diámetro del Hombro
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 R 1 = Radio de Cabeza
 R 2 = Radio de Espada
 S = Largo del Hombro
 T = Espesor de la Espada
 W = Ancho de la Espada
 Estándar = Tipo DIN 1530/ISO 8693
 Material = 1.2210 (Tipo AISI L2) Acero
 Tratado de Superficie = Ninguna (Endurecido)
 Temp. Máxima = 250 °C (482 °F)
 Dimensiones = Mostradas en Milímetros (mm)

CLAVE	L_0^{-2}										R1	R2	K _{0.05}	H _{0.2}	D _{0.1}	T _{0.05}	W _{0.015}
	60	63	80	100	125	160	200	250	315								
	S^{-1}																
BPM 1,0-3,5 - L	●	●	●	●	●	●					0.3	10	3	8	4	1	3.5
BPM 1,2-3,5 - L			●	●	●	●					0.3	10	3	8	4	1.2	3.5
BPM 0,8-3,8 - L	●	●	●	●	●	●					0.3	10	3	8	4.2	0.8	3.8
BPM 1,0-3,8 - L	●	●	●	●	●	●					0.3	10	3	8	4.2	1	3.8
BPM 1,2-3,8 - L	●	●	●	●	●	●	●				0.3	10	3	8	4.2	1.2	3.8
BPM 1,0-4,5 - L			●	●	●	●	●				0.3	10	3	10	5	1	4.5
BPM 1,2-4,5 - L			●	●	●	●	●				0.3	10	3	10	5	1.2	4.5
BPM 1,5-4,5 - L			●	●	●	●	●				0.3	10	3	10	5	1.5	4.5
BPM 1,0-5,5 - L			●	●	●	●	●				0.5	10	5	12	6	1	5.5
BPM 1,2-5,5 - L			●	●	●	●	●				0.5	10	5	12	6	1.2	5.5
BPM 1,5-5,5 - L			●	●	●	●	●				0.5	10	5	12	6	1.5	5.5
BPM 2,0-5,5 - L			●	●	●	●	●				0.5	10	5	12	6	2	5.5
BPM 1,2-7,5 - L				●	●	●	●	●			0.5	10	5	14	8	1.2	7.5
BPM 1,5-7,5 - L				●	●	●	●	●			0.5	10	5	14	8	1.5	7.5
BPM 2,0-7,5 - L				●	●	●	●	●	●		0.5	10	5	14	8	2	7.5
BPM 1,5-9,5 - L					●	●	●	●	●		0.5	10	5	16	10	1.5	9.5
BPM 2,0-9,5 - L						●	●	●	●	●	0.5	10	5	16	10	2	9.5
BPM 2,0-11,5 - L							●	●	●	●	0.8	10	7	18	12	2	11.5
BPM 2,5-11,5 - L								●	●	●	0.8	10	7	18	12	2.5	11.5
BPM 2,0-15,5 - L								●	●	●	0.8	10	7	22	16	2	15.5
BPM 2,5-15,5 - L									●	●	0.8	10	7	22	16	2.5	15.5

CÓMO ORDENAR: Combinar No. de Parte con el Largo deseado. Ejemplo: BPM 2,5-15,5 400



RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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BOTADORES MÉTRICOS NORMA JIS

RECTOS

G	H	K	M = 100	M = 150	M = 200	M = 250	M = 300	M = 350	M = 400	M = 450	M = 500	M = 550	M = 600
CLAVE													
1.0	4	4	DX 010100	DX 010150	-	-	-	-	-	-	-	-	-
1.5	4	4	DX 015100	DX 015150	DX 015200	-	-	-	-	-	-	-	-
2	5	4	DX 020100	DX 020150	DX 020200	DX 020250	-	-	-	-	-	-	-
2.5	6	4	DX 025100	DX 025150	DX 025200	DX 025250	DX 25300	DX 025350	DX 025400	DX 025450	DX 025500	DX 025550	DX 025600
3	6	4	DX 030100	DX 030150	DX 030200	DX 030250	DX 30300	DX 030350	DX 030400	DX 030450	DX 030500	DX 030550	DX 030600
3.5	7	4	DX 035100	DX 035150	DX 035200	DX 035250	DX 35300	DX 035350	DX 035400	DX 035450	DX 035500	DX 035550	DX 035600
4	8	6	DX 040100	DX 040150	DX 040200	DX 040250	DX 40300	DX 040350	DX 040400	DX 040450	DX 040500	DX 040550	DX 040600
4.5	8	6	DX 045100	DX 045150	DX 045200	DX 045250	DX 45300	DX 045350	DX 045400	DX 045450	DX 045500	DX 045550	DX 045600
5	9	6	DX 050100	DX 050150	DX 050200	DX 050250	DX 50300	DX 050350	DX 050400	DX 050450	DX 050500	DX 050550	DX 050600
5.5	10	6	DX 055100	DX 055150	DX 055200	DX 055250	DX 55300	DX 055350	DX 055400	DX 055450	DX 055500	DX 055550	DX 055600
6	10	6	DX 060100	DX 060150	DX 060200	DX 060250	DX 60300	DX 060350	DX 060400	DX 060450	DX 060500	DX 060550	DX 060600
6.5	11	6	DX 065100	DX 065150	DX 065200	DX 065250	DX 65300	DX 065350	DX 065400	DX 065450	DX 065500	DX 065550	DX 065600
7	11	6	DX 070100	DX 070150	DX 070200	DX 070250	DX 70300	DX 070350	DX 070400	DX 070450	DX 070500	DX 070550	DX 070600
8	13	8	DX 080100	DX 080150	DX 080200	DX 080250	DX 80300	DX 080350	DX 080400	DX 080450	DX 080500	DX 080550	DX 080600
9	15	8	DX 090100	DX 090150	DX 090200	DX 090250	DX 90300	DX 090350	DX 090400	DX 090450	DX 090500	-	-
10	15	8	DX 100100	DX 100150	DX 100200	DX 100250	DX 00300	DX 100350	DX 100400	DX 100450	DX 100500	DX 100550	DX 100600
12	17	8	DX 120100	DX 120150	DX 120200	DX 120250	DX 20300	DX 120350	DX 120400	DX 120450	DX 120500	DX 120550	DX 120600
15	20	8	DX 150100	DX 150150	DX 150200	DX 150250	DX 50300	DX 150350	DX 150400	DX 150450	DX 150500	DX 150550	DX 150600

NOTA: Todas las dimensiones están en mm.

G	H	K	M = 650	M = 700	M = 750	M = 800	M = 900	M = 1000	M = 1200
CLAVE									
2.5	6	4	DX 025650	-	-	-	-	-	-
3	6	4	DX 030650	DX 030700	-	-	-	-	-
3.5	7	4	DX 035650	DX 035700	DX 035750	-	-	-	-
4	8	6	DX 040650	DX 040700	DX 040750	-	-	-	-
4.5	8	6	DX 045650	DX 045700	DX 045750	-	-	-	-
5	9	6	DX 050650	DX 050700	DX 050750	-	-	-	-
6	10	6	DX 060650	DX 060700	DX 060750	DX 060800	-	-	-
7	11	6	DX 070650	DX 070700	DX 070750	DX 070800	-	-	-
8	13	8	DX 080650	DX 080700	DX 080750	DX 080800	DX 080900	DX 0801000	DX 0801200
10	15	8	DX 100650	DX 100700	DX 100750	DX 100800	DX 100900	DX 1001000	DX 1001200
12	17	8	DX 120650	DX 120700	DX 120750	DX 120800	DX 120900	DX 1201000	DX 1201200
15	20	8	DX 150650	DX 150700	DX 150750	DX 150800	DX 150900	DX 1501000	DX 1501200

INFORMACIÓN:

G = Diámetro del Cuerpo del Perno

H = Diámetro de la Cabeza

K = Espesor de la Cabeza

L = Largo

R = Radio

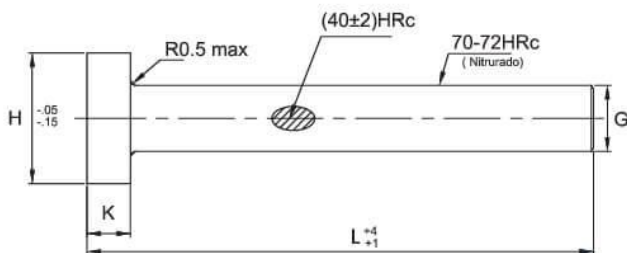
MATERIAL: H-13 (SKD61)

DUREZA DE SUPERFICIE: 70-72 Rc

NITRURADO (HV 1000 + 100)

DUREZA DE CORAZÓN: 40 Rc + 2

Manufacturado conforme a los
Estándares Industriales Japoneses
(JIS)



TOLERANCIAS JIS		
	DIAM. G.	TOL.
DIAM DE PERNO G	1.0 1.5	-0.005 -0.012
	2 a 15	-0.01 -0.02
ESPORDE CABEZA K	ESP.	TOL.
	4	0 -0.020
	6 a 8	0 -0.030

NOTA: Todas las dimensiones están en mm.



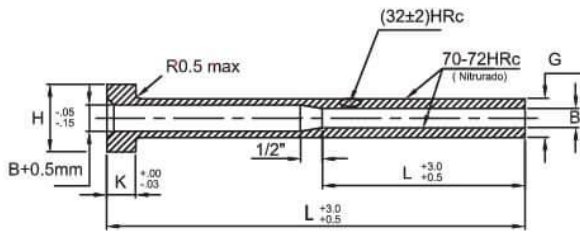
RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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MANGAS METRICAS MCB



INFORMACIÓN:

G = Diámetro Exterior
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 R = Radio
 B = Diámetro Interior

Material = H-13 (SKD61)
 Dureza Interior y Exterior =
 70-72 Rc NITRURADO
 (HV 1000 + 100)
 Dureza en Interior (corazón)=
 32 Rc + 2

Manufacturado conforme a los Estándares Industriales Japoneses (JIS)

CLAVE																												
B	G	H	K	M = 80		M = 100		M = 125		M = 150		M = 175		M = 200		M = 225		M = 250		M = 275		M = 300		M = 325		M = 350		
				L = 30	L = 40	L = 50	L = 60	L = 70	L = 80																			
1.5	4	8	6	MCB0101	MCB0201	MCB0301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.0	4	8	6	MCB0102	MCB0202	MCB0302	MCB0402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.5	8	6	-	MCB0203	MCB0303	MCB0403	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5	5	9	6	-	MCB0204	MCB0304	MCB0404	MCB0504	MCB0604	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	10	6	-	MCB0205	MCB0305	MCB0405	MCB0505	MCB0605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.0	5	9	6	-	MCB0206	MCB0306	MCB0406	MCB0506	MCB0606	MCB0706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	10	6	-	MCB0207	MCB0307	MCB0407	MCB0507	MCB0607	MCB0707	MCB0807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5	6.5	11	6	-	MCB0208	MCB0308	MCB0408	MCB0508	MCB0608	MCB0708	MCB0808	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	9	6	-	MCB0209	MCB0309	MCB0409	MCB0509	MCB0609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.0	6	10	6	-	MCB0210	MCB0310	MCB0410	MCB0510	MCB0610	MCB0710	MCB0810	MCB0910	MCB1010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5	11	6	-	MCB0211	MCB0311	MCB0411	MCB0511	MCB0611	MCB0711	MCB0811	MCB0911	MCB1011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.5	7	11	6	-	MCB0212	MCB0312	MCB0412	MCB0512	MCB0612	MCB0712	MCB0812	MCB0912	MCB1012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	10	6	-	MCB0213	MCB0313	MCB0413	MCB0513	MCB0613	MCB0713	MCB0813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.0	6.5	11	6	-	MCB0214	MCB0314	MCB0414	MCB0514	MCB0614	MCB0714	MCB0814	MCB0914	MCB1014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	11	6	-	MCB0215	MCB0315	MCB0415	MCB0515	MCB0615	MCB0715	MCB0815	MCB0915	MCB1015	MCB1115	MCB1215	-	-	-	-	-	-	-	-	-	-	-	-	-
5.5	6	10	6	-	MCB0216	MCB0316	MCB0416	MCB0516	MCB0616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6.5	11	6	-	MCB0217	MCB0317	MCB0417	MCB0517	MCB0617	MCB0717	MCB0817	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.0	7	11	6	-	MCB0218	MCB0318	MCB0418	MCB0518	MCB0618	MCB0718	MCB0818	MCB0918	MCB1018	MCB1118	MCB1218	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	13	8	-	MCB0219	MCB0319	MCB0419	MCB0519	MCB0619	MCB0719	MCB0819	MCB0919	MCB1019	MCB1119	MCB1219	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5	7	11	6	-	MCB0220	MCB0320	MCB0420	MCB0520	MCB0620	MCB0720	MCB0820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8	13	8	-	MCB0221	MCB0321	MCB0421	MCB0521	MCB0621	MCB0721	MCB0821	MCB0921	MCB1021	MCB1121	MCB1221	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	8	13	8	-	MCB0222	MCB0322	MCB0422	MCB0522	MCB0622	MCB0722	MCB0822	MCB0922	MCB1022	MCB1122	MCB1222	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	15	8	-	MCB0223	MCB0323	MCB0423	MCB0523	MCB0623	MCB0723	MCB0823	MCB0923	MCB1023	MCB1123	MCB1223	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5	8	13	8	-	MCB0224	MCB0324	MCB0424	MCB0524	MCB0624	MCB0724	MCB0824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10	15	8	-	MCB0225	MCB0325	MCB0425	MCB0525	MCB0625	MCB0725	MCB0825	MCB0925	MCB1025	MCB1125	MCB1225	-	-	-	-	-	-	-	-	-	-	-	-	-
8.0	10	15	8	-	MCB0226	MCB0326	MCB0426	MCB0526	MCB0626	MCB0726	MCB0826	MCB0926	MCB1026	MCB1126	MCB1226	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	17	8	-	MCB0227	MCB0327	MCB0427	MCB0527	MCB0627	MCB0727	MCB0827	MCB0927	MCB1027	MCB1127	MCB1227	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5	10	15	8	-	MCB0228	MCB0328	MCB0428	MCB0528	MCB0628	MCB0728	MCB0828	MCB0928	MCB1028	MCB1128	MCB1228	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	17	8	-	MCB0229	MCB0329	MCB0429	MCB0529	MCB0629	MCB0729	MCB0829	MCB0929	MCB1029	MCB1129	MCB1229	-	-	-	-	-	-	-	-	-	-	-	-	-
9.0	12	17	8	-	MCB0230	MCB0330	MCB0430	MCB0530	MCB0630	MCB0730	MCB0830	MCB0930	MCB1030	MCB1130	MCB1230	-	-	-	-	-	-	-	-	-	-	-	-	-
	12	17	8	-	MCB0231	MCB0331	MCB0431	MCB0531	MCB0631	MCB0731	MCB0831	MCB0931	MCB1031	MCB1131	MCB1231	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTA: Todas las dimensiones estan en mm.

TOLERANCIAS JIS						
B DIAM. INTERIOR DE MANGA	TOLERANCIA		G DIAMETRO DE MANGA	TOLERANCIA		
	1.5 a 3	+0.010		TODOS LOS TAMAÑOS	-0.010	-0.020
	3.5 a 5	0				
5.5 a 8.5	+0.012					
		0				
		+0.015				
		0				



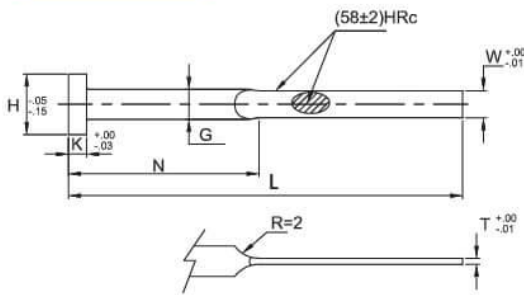
RESISTENCIAS Y ACCESORIOS
 PARA MOLDES

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BOTADORES MÉTRICOS NORMA NJ

TIPO ESPADA



INFORMACIÓN:

G = Diámetro del Hombro de Perno
 H = Diámetro de la Cabeza
 K = Espesor de la Cabeza
 L = Largo
 R = Radio
 W = Ancho de Espada
 T = Espesor de Espada
 Material = SKS21
 Dureza = 58 Rc + 2

Manufacturado conforme a los Estándares Industriales Japoneses (JIS)

K	H	G	W	T	CLAVE						
					M=100 N=40	M=125 N=50	M=150 N=60	M=175 N=70			
4	5	2	1.2	0.4	NJ120402	NJ120403	-	-			
				0.4	NJ150402	NJ150403	-	-			
		2	0.5	NJ150502	NJ150503	-	-				
			0.4	NJ200402	NJ200403	-	-				
			0.5	NJ200502	NJ200503	-	-				
			0.6	NJ200602	NJ200603	-	-				
	7	3.5	0.6	NJ350602	NJ350603	NJ350604	-				
			0.8	NJ350802	NJ350803	NJ350804	-				
			1.0	NJ351002	NJ351003	NJ351004	-				
			1.2	NJ351202	NJ351203	NJ351204	-				
			0.6	NJ300602	NJ300603	NJ300604	-				
			0.8	NJ300802	NJ300803	NJ300804	-				
8	4	1.0	NJ301002	NJ301003	NJ301004	-					
		1.2	NJ301202	NJ301203	NJ301204	-					
		0.8	NJ400802	NJ400803	NJ400804	NJ400805					
		1.0	NJ401002	NJ401003	NJ401004	NJ401005					
		1.2	-	NJ401203	NJ401204	NJ401205					
		1.5	-	NJ401503	NJ401504	NJ401505					
6	9	5	4	0.8	-	NJ500803	NJ500804	NJ500805	NJ500806	-	-
				1.0	-	NJ501003	NJ501004	NJ501005	NJ501006	-	-
				1.2	-	NJ501203	NJ501204	NJ501205	NJ501206	-	-
				1.5	-	NJ501503	NJ501504	NJ501505	NJ501506	-	-
				1.8	-	NJ501803	NJ501804	NJ501805	NJ501806	-	-
				2.0	-	NJ502003	NJ502004	NJ502005	NJ502006	-	-
	10	6	5	0.8	-	NJ600803	NJ600804	NJ600805	NJ600806	-	-
				1.0	-	NJ601003	NJ601004	NJ601005	NJ601006	-	-
				1.2	-	NJ601203	NJ601204	NJ601205	NJ601206	-	-
				1.5	-	NJ601503	NJ601504	NJ601505	NJ601506	-	-
				1.8	-	NJ601803	NJ601804	NJ601805	NJ601806	-	-
				2.0	-	NJ602003	NJ602004	NJ602005	NJ602006	-	-
8	11	7	6	0.8	-	NJ800803	NJ800804	NJ800805	NJ800806	NJ800808	-
				1.0	-	NJ801003	NJ801004	NJ801005	NJ801006	NJ801008	NJ801010
				1.2	-	NJ801203	NJ801204	NJ801205	NJ801206	NJ801208	NJ801210
				1.5	-	NJ801503	NJ801504	NJ801505	NJ801506	NJ801508	NJ801510
				1.8	-	NJ801803	NJ801804	NJ801805	NJ801806	NJ801808	NJ801810
				2.0	-	NJ802003	NJ802004	NJ802005	NJ802006	NJ802008	NJ802010
	15	10	8	1.0	-	NJ101004	NJ101005	NJ101006	NJ101008	NJ101010	NJ101012
				1.2	-	NJ101204	NJ101205	NJ101206	NJ101208	NJ101210	NJ101212
				1.5	-	NJ101504	NJ101505	NJ101506	NJ101508	NJ101510	NJ101512
				1.8	-	NJ101804	NJ101805	NJ101806	NJ101808	NJ101810	NJ101812
				2.0	-	NJ102004	NJ102005	NJ102006	NJ102008	NJ102010	NJ102012
				2.0	-	-	-	-	-	-	-

TOLERANCIAS JIS		
DIAM. G.	TOL.	
2 a 2.5	-0.008	
	-0.018	
3.5 a 5	-0.010	
	-0.020	
6 a 7	-0.015	
	-0.025	
10 a 12	-0.020	
	-0.030	

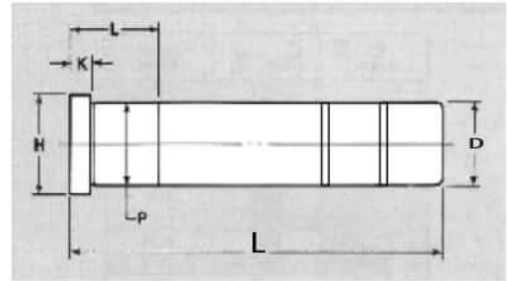
NOTA: Todas las dimensiones estan en mm

CLAVE	CLAVE		
	M=200 N=80	M=250 N=100	M=300 N=120
NJ500806	-	-	-
NJ501006	-	-	-
NJ501206	-	-	-
NJ501506	-	-	-
NJ501806	-	-	-
NJ502006	-	-	-
NJ600806	-	-	-
NJ601006	-	-	-
NJ601206	-	-	-
NJ601506	-	-	-
NJ601806	-	-	-
NJ602006	-	-	-
NJ800806	NJ800808	-	-
NJ801006	NJ801008	NJ801010	-
NJ801206	NJ801208	NJ801210	-
NJ801506	NJ801508	NJ801510	-
NJ801806	NJ801808	NJ801810	-
NJ802006	NJ802008	NJ802010	-
NJ101006	NJ101008	NJ101010	NJ101012
NJ101206	NJ101208	NJ101210	NJ101212
NJ101506	NJ101508	NJ101510	NJ101512
NJ101806	NJ101808	NJ101810	NJ101812
NJ102006	NJ102008	NJ102010	NJ102012





POSTE PARA MOLDE STD.



DIMENSIONES GENERALES				
DIAM. NOMINAL	$\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	H $\begin{matrix} +.000 \\ -.030 \end{matrix}$	K	P $\begin{matrix} +.0005 \\ -.0000 \end{matrix}$
3/4	.749	.990	3/16	.751
7/8	.874	1.115	1/4	.876
1"	.999	1.240	1/4	1.001
1 1/4	1.249	1.490	5/16	1.251
1 1/2	1.499	1.740	5/16	1.501

D = 1/2 DIA. .999 $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	L $\begin{matrix} +.00 \\ -.06 \end{matrix}$ (LARGO)	D = 3/4 DIA. .749 $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	D = 7/8 DIA. .874 $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	D = 1" DIA. .999 $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	D = 1 1/4 DIA. 1.249 $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	D = 1 1/2 DIA. 1.499 $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$					
L		L		L		L		L		L	
CLAVE		CLAVE		CLAVE		CLAVE		CLAVE		CLAVE	
PM 500	1 3/4	7/8	PM 5000	7/8	PM 5099	7/8	PM 5198	-	-	-	-
PM 501	2 1/4	7/8	PM 5001	7/8	PM 5100	7/8	PM 5199	-	-	-	-
PM 502	2 3/4	7/8	PM 5002	7/8	PM 5101	7/8	PM 5200	7/8	PM 5300	-	-
PM 503	3 1/4	7/8	PM 5003	7/8	PM 5102	7/8	PM 5201	7/8	PM 5301	-	-
PM 504	3 3/4	7/8	PM 5004	7/8	PM 5103	7/8	PM 5202	7/8	PM 5302	13/8	PM 5402
PM 505	4 1/4	13/8	PM 5005	13/8	PM 5104	13/8	PM 5203	7/8	PM 5303	13/8	PM 5403
PM 506	4 3/4	13/8	PM 5006	13/8	PM 5105	13/8	PM 5204	13/8	PM 5304	13/8	PM 5404
PM 507	5 1/4	13/8	PM 5007	13/8	PM 5106	13/8	PM 5205	13/8	PM 5305	13/8	PM 5405
PM 508	5 3/4	17/8	PM 5008	13/8	PM 5107	13/8	PM 5206	13/8	PM 5306	13/8	PM 5406
PM 509	6 1/4	17/8	PM 5009	17/8	PM 5108	13/8	PM 5207	13/8	PM 5307	13/8	PM 5407
PM 510	6 3/4	17/8	PM 5010	17/8	PM 5109	17/8	PM 5208	17/8	PM 5308	13/8	PM 5408
PM 511	7 1/4	17/8	PM 5011	17/8	PM 5110	17/8	PM 5209	17/8	PM 5309	-	-
PM 512	7 3/4	17/8	PM 5012	17/8	PM 5111	17/8	PM 5210	17/8	PM 5310	17/8	PM 5410
PM 513	8 1/4	-	-	17/8	PM 5112	17/8	PM 5211	17/8	PM 5311	-	-
PM 514	8 3/4	-	-	17/8	PM 5113	17/8	PM 5212	17/8	PM 5312	17/8	PM 5412
PM 515	9 1/4	17/8	PM 5015	-	-	17/8	PM 5213	17/8	PM 5313	-	-
PM 516	9 3/4	-	-	-	-	17/8	PM 5214	17/8	PM 5314	17/8	PM 5414
PM 517	10 1/4	-	-	-	-	17/8	PM 5215	17/8	PM 5315	-	-
PM 518	10 3/4	-	-	17/8	K 5117	17/8	PM 5216	17/8	PM 5316	17/8	PM 5416
PM 519	11 1/4	-	-	-	-	17/8	PM 5217	17/8	PM 5317	-	-
PM 520	11 3/4	-	-	-	-	17/8	PM 5218	17/8	PM 5318	17/8	PM 5418
PM 521	12 1/4	-	-	17/8	K 5120	17/8	PM 5219	17/8	PM 5319	-	-
PM 522	12 3/4	-	-	-	-	-	-	17/8	PM 5320	17/8	PM 5420
PM 523	13 3/4	-	-	-	-	-	-	17/8	PM 5322	17/8	PM 5422
PM 524	14 3/4	-	-	-	-	-	-	17/8	PM 5324	17/8	PM 5424
PM 525	15 3/4	-	-	-	-	-	-	17/8	PM 5326	17/8	PM 5426

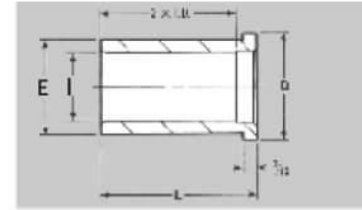




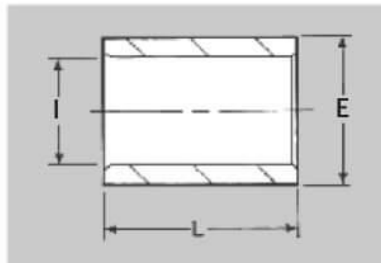
BUJE PARA MOLDE STD.

CON HOMBRO

DIMENSIONES GENERALES			
DIÁMETRO NOMINAL	I ^{+0.0005} / _{-0.0005}	E ^{+0.0005} / _{-0.0005}	D ^{+0.000} / _{-0.000}
¾"	.7505	1.1255	1.302
7/8"	.8755	1.2505	1.427
1"	1.0005	1.3755	1.552
1 ¼"	1.2505	1.6255	1.802
1 ½"	1.5005	2.0005	2.177



L ^{+0.00} / _{-0.06} (LARGO)	I = ¾" DIA. .7505 ^{+0.0005} / _{-0.0005}	I = 7/8" DIA. .8755 ^{+0.0005} / _{-0.0005}	I = 1" DIA. 1.0005 ^{+0.0005} / _{-0.0005}	I = 1 ¼" DIA. 1.2505 ^{+0.0005} / _{-0.0005}	I = 1 ½" DIA. 1.5005 ^{+0.0005} / _{-0.0005}
	CLAVE	CLAVE	CLAVE	CLAVE	CLAVE
7/8	BM 5700	BM 5710	BM 5730	BM 5750	BM 5770
1 3/8	BM 5701	BM 5711	BM 5731	BM 5751	BM 5771
1 7/8	BM 5702	BM 5712	BM 5732	BM 5752	BM 5772
2 3/8	BM 5703	BM 5713	BM 5733	BM 5753	BM 5773
2 7/8	BM 5704	BM 5714	BM 5734	BM 5754	BM 5774
3 3/8	BM 5705	BM 5715	BM 5735	BM 5755	BM 5775
3 7/8	BM 5706	BM 5716	BM 5736	BM 5756	BM 5776
4 3/8	BM 5707	BM 5717	BM 5737	BM 5757	BM 5777
4 7/8	BM 5708	BM 5718	BM 5738	BM 5758	BM 5778
5 7/8	BM 5709	BM 5720	BM 5740	BM 5760	BM 5780



BUJE PARA MOLDE RECTO

DIÁM NOMINAL	I ^{+0.0005} / _{-0.0005}	L ^{+0.00} / _{-0.06}	E ^{+0.0005} / _{-0.0005}	CLAVE
¾"	.7505	7/8	1.1255	BR 5500
		1 3/8	1.1255	BR 5501
7/8"	.8755	1 3/8	1.2505	BR 5502
		1"	1.3755	BR 5503
1"	1.0005	1 3/8	1.6255	BR 5504
		1 7/8	1.6255	BR 5505
1 ¼"	1.2505	1 3/8	2.0005	BR 5506
		1 7/8	2.0005	BR 5507
1 ½"	1.5005	3 7/8	2.5005	BR 5508
		4 7/8	3.2505	BR 5509
2"	2.0005	4 7/8	3.7505	BR 5510

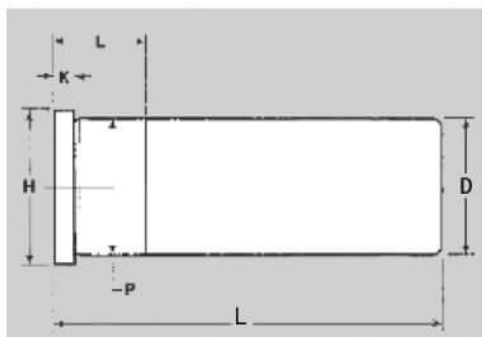


RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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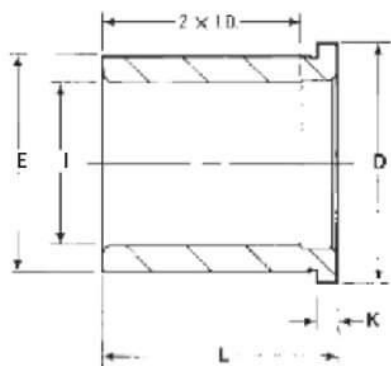
POSTE PARA MOLDE STD.



DIMENSIONES GENERALES				
DIÁM. NOMINAL	D	H	P	K
2"	1.999	2.240	2.001	5/16
2 ½"	2.499	2.740	2.501	5/16
3"	2.999	3.365	3.001	½

L	D = 2" DIA.		D = 2 1/2" DIA.		D = 3" DIA.	
	L	CLAVE	L	CLAVE	L	CLAVE
5 ¾"	1 7/8	PM 5606	2 3/8	PM 5806	-	-
6 ¾"	1 7/8	PM 5608	2 3/8	PM 5808	-	-
7 ¾"	1 7/8	PM 5610	2 3/8	PM 5810	-	-
8 ¾"	1 7/8	PM 5612	2 3/8	PM 5812	2 7/8	PM 6012
9 ¾"	1 7/8	PM 5614	2 3/8	PM 5814	-	-
10 ¾"	1 7/8	PM 5616	2 3/8	PM 5816	2 7/8	PM 6016
11 ¾"	1 7/8	PM 5618	2 3/8	PM 5818	-	-
12 ¾"	1 7/8	PM 5620	2 3/8	PM 5820	2 7/8	PM 6020
13 ¾"	1 7/8	PM 5622	2 3/8	PM 5822	-	-
14 ¾"	1 7/8	PM 5624	2 3/8	PM 5824	2 7/8	PM 6024
15 ¾"	1 7/8	PM 5626	2 3/8	PM 5826	-	-
16 ¾"	2 3/8	PM 5628	2 3/8	PM 5828	2 7/8	PM 6028
18 ¾"	2 3/8	PM 5632	2 3/8	PM 5832	2 7/8	PM 6032

BUJE PARA MOLDE STD.



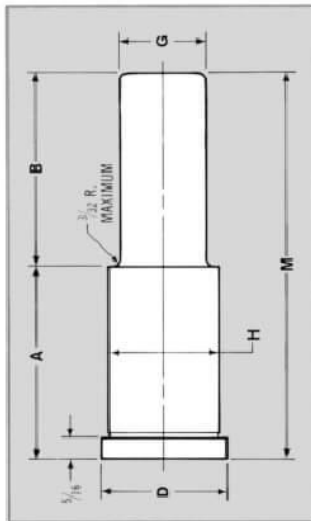
DIMENSIONES GENERALES				
D.I. NOMINAL	I	E	D	K
2"	2.0005	2.5005	2.677	3/16
2 ½"	2.5005	3.2505	3.427	3/16
3"	3.0005	3.7505	3.990	½

L	I = 2" DIA.		I = 2 1/2" DIA.		I = 3" DIA.	
	L	CLAVE	L	CLAVE	L	CLAVE
1 3/8"	BM 5901	BM 5951	-	-	-	-
1 7/8"	BM 5902	BM 5952	-	-	-	-
2 3/8"	BM 5903	BM 5953	-	-	-	-
2 7/8"	BM 5904	BM 5954	-	-	-	-
3 3/8"	BM 5905	BM 5955	-	-	-	-
3 7/8"	BM 5906	BM 5956	BM 5976	-	-	-
4 3/8"	BM 5907	BM 5957	-	-	-	-
4 7/8"	BM 5908	BM 5958	BM 5978	-	-	-
5 7/8"	BM 5910	BM 5960	BM 5980	-	-	-
7 7/8"	-	-	BM 5984	-	-	-





PERNOS CON HOMBRO PARA MOLDE STD.



A ^{+0.00} / _{-.03}	B ^{+0.00} / _{-.03}	M ^{+0.00} / _{-.06}	Ø 1/2	Ø 3/4	Ø 1"	Ø 1 1/4
7/8	7/8	1 3/4	PMH 0707			
	1 3/8	2 1/4	PMH 0713	PMA 0713	PMC 0713	
	1 7/8	2 3/4	PMH 0717	PMA 0717	PMC 0717	
	2 3/8	3 1/4	PMH 0723	PMA 0723		
	2 7/8	3 3/4	PMH 0727	PMA 0727	PMC 0727	
1 3/8	7/8	2 1/4	PMH 1307	PMA 1307	PMC 1307	
	13/8	2 3/4	PMH 1313	PMA 1313	PMC 1313	PMD 1313
	17/8	3 1/4	PMH 1317	PMA 1317	PMC 1317	
	23/8	3 3/4	PMH 1323	PMA 1323	PMC 1323	PMD 1323
	27/8	4 1/4	PMH 1327	PMA 1327	PMC 1327	
1 7/8	33/8	4 3/4	PMH 1333	PMA 1333	PMC 1333	PMD 1333
	7/8	2 3/4	PMH 1707	PMA 1707	PMC 1707	
	13/8	3 1/4	PMH 1713	PMA 1713	PMC 1713	PMD 1713
	17/8	3 3/4	PMH 1717	PMA 1717	PMC 1717	PMD 1717
	23/8	4 1/4	PMH 1723	PMA 1723	PMC 1723	PMD 1723
	27/8	4 3/4	PMH 1727	PMA 1727	PMC 1727	PMD 1727
	33/8	5 1/4		PMA 1733	PMC 1733	PMD 1733
2 3/8	37/8	5 3/4		PMA 1737	PMC 1737	PMD 1737
	7/8	3 1/4	PMH 2307			
	13/8	3 3/4	PMH 2313	PMA 2313	PMC 2313	PMD 2313
	17/8	4 1/4	PMH 2317	PMA 2317	PMC 2317	PMD 2317
	23/8	4 3/4		PMA 2323	PMC 2323	PMD 2323
	27/8	5 1/4		PMA 2327	PMC 2327	PMD 2327
2 7/8	33/8	5 3/4		PMA 2333	PMC 2333	PMD 2333
	37/8	6 1/4		PMA 2337	PMC 2337	PMD 2337
	13/8	4 1/4	PMH 2713	PMA 2713	PMC 2713	
	17/8	4 3/4		PMA 2717	PMC 2717	PMD 2717
	23/8	5 1/4		PMA 2723	PMC 2723	PMD 2723
	27/8	5 3/4		PMA 2727	PMC 2727	PMD 2727
	33/8	6 1/4		PMA 2733	PMC 2733	PMD 2733
3 3/8	37/8	6 3/4		PMA 2737	PMC 2737	PMD 2737
	43/8	7 1/4		PMA 2743	PMC 2743	PMD 2743
	17/8	5 1/4		PMA 3317	PMC 3317	PMD 3317
	23/8	5 3/4		PMA 3323	PMC 3323	PMD 3323
	27/8	6 1/4		PMA 3327	PMC 3327	PMD 3327
3 7/8	33/8	6 3/4		PMA 3333	PMC 3333	PMD 3333
	43/8	7 3/4		PMA 3343	PMC 3343	PMD 3343
	23/8	6 1/4		PMA 3717	PMC 3723	PMD 3723
	27/8	6 3/4		PMA 3723	PMC 3727	PMD 3727
4 3/8	33/8	7 1/4			PMC 3737	PMD 3737
	37/8	7 3/4			PMC 3747	PMD 3747
	43/8	8 3/4				
	27/8	7 1/4			PMC 4327	PMD 4327
	33/8	7 3/4				
4 7/8	37/8	8 1/4			PMC 4337	PMD 4337
	43/8	8 3/4			PMC 4343	
	47/8	9 1/4				PMD 4347
	37/8	8 3/4			PMC 4737	PMD 4737
5 7/8	43/8	9 1/4			PMC 4743	PMD 4743
	47/8	9 3/4			PMC 4747	PMD 4747
	53/8	10 1/4				PMD 4757
	37/8	9 3/4			PMC 5737	PMD 5737
	43/8	10 1/4				PMD 5743
5 7/8	47/8	10 3/4			PMC 5747	PMD 5747
	53/8	11 3/4			PMC 5757	PMD 5757

NOMINAL DIAMETRO	G ^{+0.0000} / _{-.0005}	H ^{+0.0005} / _{-.0000}	D (MAX)
1/2	.499	.751	.853
3/4	.749	1.126	1.228
1"	.999	1.376	1.510
1 1/4	1.249	1.626	1.791



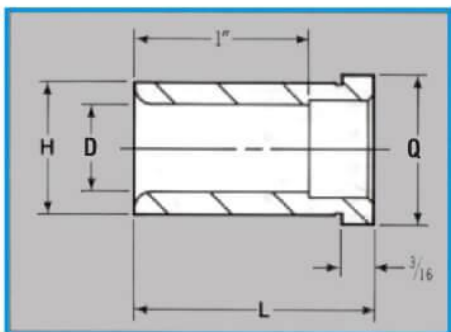


BUJE GUIA STD. Y MM.



G $\begin{matrix} +.0000 \\ -.0005 \end{matrix}$	H	K	D $\begin{matrix} +.0005 \\ -.0000 \end{matrix}$
.499	.1875	3/16	.501

DIAM. NOMINAL	L
1/2	
1/2	1 3/4
1/2	2 1/4
1/2	2 3/4
1/2	3 1/4
1/2	3 3/4
1/2	4 1/4
1/2	4 3/4
1/2	5 1/4
1/2	5 3/4
1/2	6 1/4

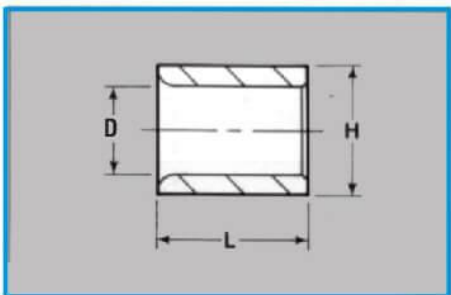


BUJES CON HOMBRO

L $\begin{matrix} +.00 \\ -.06 \end{matrix}$	G = 1/2 DIA.
	CLAVE
7/8	BM-5690
1 1/8	BM-5691
1 1/2	BM-5692
2 1/8	BM-5693

DIMENSIONES GENERALES

NOM. I.D.	D $\begin{matrix} +.0005 \\ -.0000 \end{matrix}$	H $\begin{matrix} +.0005 \\ -.0000 \end{matrix}$	Q (MAX.)
1/2	.500	.7505	.853



BUJES RECTO

L $\begin{matrix} +.00 \\ -.06 \end{matrix}$	G = 1/2 DIA.
	CLAVE
7/8	BR-5498
1 1/8	BR-5499



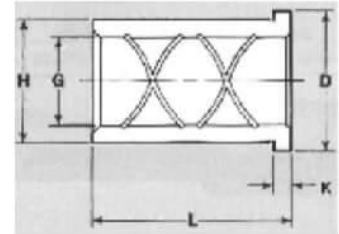


BUJES CON RECUBRIMIENTO DE BRONCE

ACABADO DE PRECISIÓN

DIMENSIONES GENERALES			
D.I. NOMINAL	H ^{+0.005} / _{-0.000}	D ^{+0.00} / _{-0.030}	K
3/4	1.1255	1.302	3/16
7/8	1.2505	1.427	
1"	1.3755	1.552	
1 1/4	1.6255	1.802	
1 1/2	2.0005	2.177	
2"	2.5005	2.677	
2 1/2	3.2505	3.427	
3"	3.7505	3.990	1/2

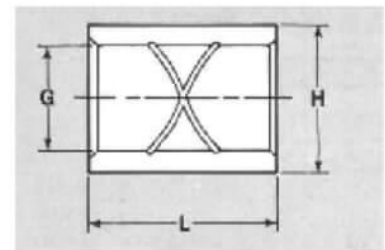
L ^{+0.00} / _{-0.03} (LARGO)	G = 3/4" DI DI .7505 ^{+0.0005} / _{-0.0000}	G = 7/8" DI DI .8755 ^{+0.0005} / _{-0.0000}
	CLAVE	CLAVE
7/8	K LBB-06-07	K LBB-07-07
1 3/8	K LBB-06-13	K LBB-07-13
1 7/8	K LBB-06-17	K LBB-07-17
2 3/8	K LBB-06-23	K LBB-07-23
2 7/8	K LBB-06-27	K LBB-07-27
3 3/8	K LBB-06-33	K LBB-07-33
3 7/8	K LBB-06-37	K LBB-07-37
4 3/8	K LBB-06-43	K LBB-07-43
4 7/8	K LBB-06-47	K LBB-07-47
5 7/8	K LBB-06-57	K LBB-07-57



L ^{+0.00} / _{-0.03} (LARGO)	G = 1" DI 1.0005 ^{+0.0005} / _{-0.0000}	G = 1 1/4" DI .12505 ^{+0.0005} / _{-0.0000}	G = 1 1/2" DI 1.5005 ^{+0.0005} / _{-0.0000}	G = 2" DI 2.0005 ^{+0.0005} / _{-0.0000}	G = 2 1/2" DI 2.5005 ^{+0.0005} / _{-0.0000}	G = 3" DI 3.0005 ^{+0.0005} / _{-0.0000}
	CLAVE	CLAVE	CLAVE	CLAVE	CLAVE	CLAVE
7/8	K LBB-08-07	K LBB-10-07	K LBB-12-07	-	-	-
1 3/8	K LBB-08-13	K LBB-10-13	K LBB-12-13	K LBB-16-13	K LBB-20-13	-
1 7/8	K LBB-08-17	K LBB-10-17	K LBB-12-17	K LBB-16-17	K LBB-20-17	-
2 3/8	K LBB-08-23	K LBB-10-23	K LBB-12-23	K LBB-16-23	K LBB-20-23	-
2 7/8	K LBB-08-27	K LBB-10-27	K LBB-12-27	K LBB-16-27	K LBB-20-27	-
3 3/8	K LBB-08-33	K LBB-10-33	K LBB-12-33	K LBB-16-33	K LBB-20-33	-
3 7/8	K LBB-08-37	K LBB-10-37	K LBB-12-37	K LBB-16-37	K LBB-20-37	K LBB-24-37
4 3/8	K LBB-08-43	K LBB-10-43	K LBB-12-43	K LBB-16-43	K LBB-20-43	-
4 7/8	K LBB-08-47	K LBB-10-47	K LBB-12-47	K LBB-16-47	K LBB-20-47	K LBB-24-47
5 7/8	K LBB-08-57	K LBB-10-57	K LBB-12-57	K LBB-16-57	K LBB-20-57	K LBB-24-57
7 7/8	-	-	-	-	-	K LBB-24-77

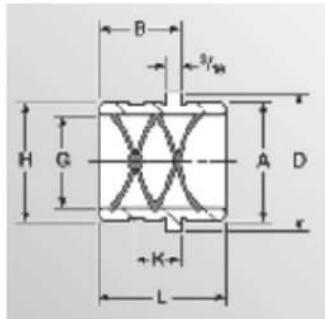
BUJES RECTOS CON RECUBRIMIENTO DE BRONCE

DINOMINAL	G ^{+0.0005} / _{-0.0000}	L ^{+0.00} / _{-0.03}	H ^{+0.0005} / _{-0.0000}	CLAVE
3/4	.7505	7/8	1.1255	K STB-06-07
		1 3/8	1.1255	K STB-06-13
7/8	.8755	1 3/8	1.2505	K STB-07-13
1"	1.0005	1 3/8	1.3755	K STB-08-13
1 1/4	1.2505	1 3/8	1.6255	K STB-10-13
		1 7/8	1.6255	K STB-10-17
1 1/2	1.5005	1 3/8	2.0005	K STB-12-13
		1 7/8	2.0005	K STB-12-17
2"	2.0005	3 7/8	2.5005	K STB-16-37
2 1/2	2.5005	4 7/8	3.2505	K STB-20-47
3"	3.0005	4 7/8	3.7505	K STB-24-47





BUJES AUXILIARES



INFORMACIÓN:

- Mantienen Alineadas las Placas de Botado.
- Soporta el Peso de las Placas Durante Todo el Ciclo de Botado.
- Reduce el Desgaste en los Componentes de Botado.
- Preveen el "amarre" de las Placas Botadoras.

DI NOMINAL	G $\begin{smallmatrix} +.0005 \\ -.0000 \end{smallmatrix}$	H $\begin{smallmatrix} +.0005 \\ -.0000 \end{smallmatrix}$	A $\begin{smallmatrix} +.000 \\ -.001 \end{smallmatrix}$	D $\begin{smallmatrix} +.000 \\ -.010 \end{smallmatrix}$	L $\begin{smallmatrix} +.00 \\ -.03 \end{smallmatrix}$	B	K	CLAVE
3/4	.751	1.1255	1.1240	1.302	1.50	1.00	.56	BA-750
7/8	.876	1.2505	1.2490	1.427	1.50	1.00	.56	BA-875
1"	1.001	1.3755	1.3740	1.552	1.75	1.12	.62	BA-100
1 1/4	1.251	1.6255	1.6240	1.802	1.75	1.12	.62	BA-125
1 1/2	1.501	2.0005	1.9990	2.177	1.75	1.12	.62	BA-150

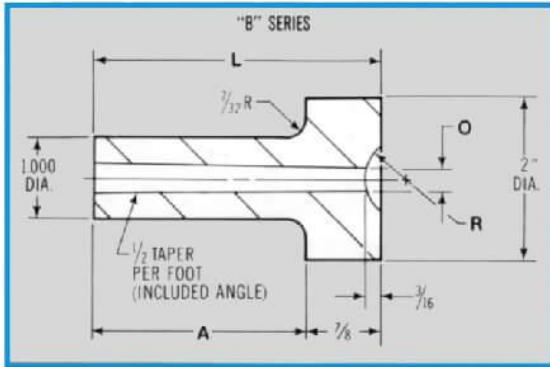


L	K	O	A	H	B	G	Nr./No.
26	9	6	20	25	17	14	DC/17/ 14
39	17		26	31	22	18	22/18
49	22		30	35	27	22	27/22
63	27		42	47	36	30	36/30





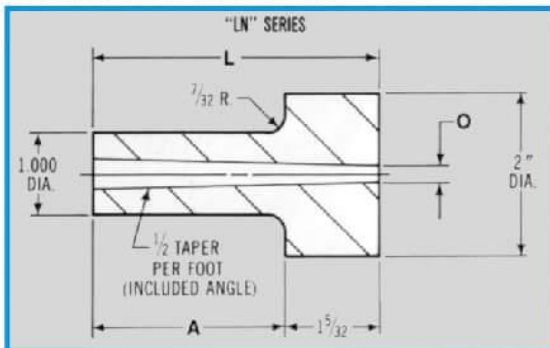
BOQUILLAS



Available with: $\text{O } 5/32, 7/32, 9/32 \text{ or } 11/32$ $\text{R } 1/2 \text{ or } 3/4$

CLAVE	A	L
DR-1000	$2\frac{9}{32}$	$1\frac{29}{32}$
DR-1001	$1\frac{13}{32}$	$2\frac{9}{32}$
DR-1002	$1\frac{29}{32}$	$2\frac{29}{32}$
DR-1003	$2\frac{13}{32}$	$3\frac{9}{32}$
DR-1004	$2\frac{29}{32}$	$3\frac{29}{32}$
DR-1005	$3\frac{13}{32}$	$4\frac{9}{32}$
DR-1006	$3\frac{29}{32}$	$4\frac{29}{32}$
DR-1007	$4\frac{13}{32}$	$5\frac{9}{32}$
DR-1008	$4\frac{29}{32}$	$5\frac{29}{32}$
DR-1010*	$5\frac{29}{32}$	$6\frac{29}{32}$
DR-1012	$6\frac{29}{32}$	$7\frac{29}{32}$

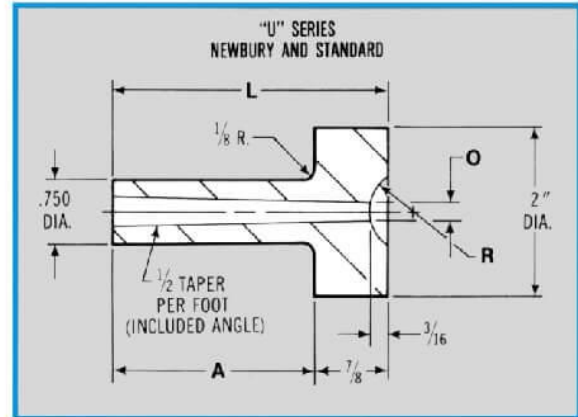
*B-6610: $\text{O } 5/32$ $\text{R } 3/4$ available on special order



Available with: $\text{O } 5/32, 7/32 \text{ or } 9/32$ $\text{R No Spherical Radius}$

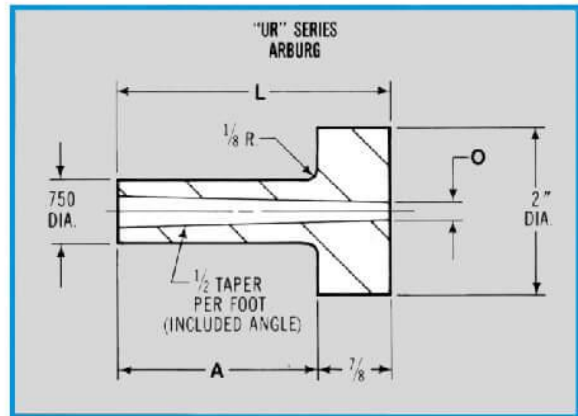
CLAVE	A	L
DS-1000	$2\frac{9}{32}$	$2\frac{1}{16}$
DS-1001	$1\frac{13}{32}$	$2\frac{9}{16}$
DS-1002	$1\frac{29}{32}$	$3\frac{1}{16}$
DS-1003	$2\frac{13}{32}$	$3\frac{9}{16}$
DS-1004	$2\frac{29}{32}$	$4\frac{1}{16}$
DS-1005	$3\frac{13}{32}$	$4\frac{9}{16}$

$\text{O } 11/32$ available on special order



Available with: $\text{O } 5/32, 7/32 \text{ or } 9/32$ $\text{R } 1/2 \text{ or } 3/4$

CLAVE	A	L
DR-750	$2\frac{9}{32}$	$1\frac{29}{32}$
DR-751	$1\frac{13}{32}$	$2\frac{9}{32}$
DR-752	$1\frac{29}{32}$	$2\frac{29}{32}$
DR-753	$2\frac{13}{32}$	$3\frac{9}{32}$
DR-754	$2\frac{29}{32}$	$3\frac{29}{32}$



Available with: $\text{O } 5/32, 7/32 \text{ or } 9/32$ $\text{R No Spherical Radius}$

CLAVE	A	L
DS-750	$2\frac{9}{32}$	$1\frac{29}{32}$
DS-751	$1\frac{13}{32}$	$2\frac{9}{32}$
DS-752	$1\frac{29}{32}$	$2\frac{29}{32}$
DS-753	$2\frac{13}{32}$	$3\frac{9}{32}$
DS-754	$2\frac{29}{32}$	$3\frac{29}{32}$

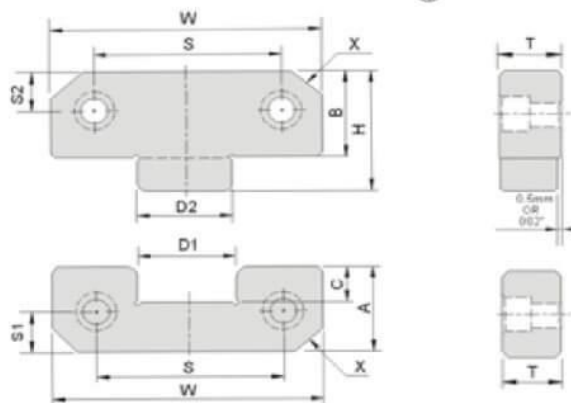




CENTRADOR LATERAL DE MOLDES

Material : YK30
Hardness : 52-58HRC

Diagram



INCH

Type No.	W 0 -0.0004	T	A	B	C	D1 +0.0002 +0.0004	D2 0 -0.0002	H	S	S1	S2	X	SHCS
APL1.5	1.500	0.620	0.87	0.87	0.33	0.500	0.500	1.180	0.938	0.281	0.437	0.19	1/4-20
APL2.0	2.000	0.620	0.87	0.87	0.33	0.680	0.680	1.180	1.250	0.375	0.437	0.19	1/4-20
APL3.0	3.000	0.745	1.37	1.36	0.57	1.000	1.000	1.910	2.250	0.688	0.688	0.38	3/8-16
APL4.0	4.000	0.745	1.87	1.87	0.79	1.375	1.375	2.640	2.750	0.875	0.875	0.50	3/8-16
APL5.0	5.000	1.120	1.87	1.87	0.79	1.750	1.750	2.640	3.500	0.875	0.875	0.50	1/2-13

METRIC

Type No.	W 0 -0.01	T	A	B	C	D1 +0.0002 +0.0004	D2 0 -0.0002	H	S	S1	S2	X	SHCS
APL38	38	13	22	22	8.5	12	12	30	22	7	7	5	M6
APL50	50	16	21.5	21.5	9.5	17	17	30	34	11	11	5	M6
APL75	75	19	36	36	15	25	25	50	50	18	18	8	M10
APL100	100	19	45	45	21	35	35	65	70	22	22	10	M10
APL125	125	25	45	45	21	45	45	65	84	22	22	10	M10

Order: Type No. x PCS
APL38 x 10



RESISTENCIAS Y ACCESORIOS
PARA MOLDES

www.wisher.com



TORNILLOS ALLEN STANDARD



High grade alloy steel, heat treated to 38-45 Rc.
Tensile strength: 180,000 psi minimum.

D= DIAMETRO DEL CUERPO											
	No 6	No. 8	No. 10	1/4	5/16	3/8	1/2	5/8	3/4	1	
DECIMAL EQUIVALENT	.138	.164	.190	.250	.3125	.375	.500	.625	.750	1.000	DECIMAL EQUIVALENT
THREADS PER INCH NATIONAL COARSE	32	32	24	20	18	16	13	11	10	8	THREADS PER INCH NATIONAL COARSE
1/4	•	•									1/4
3/8	•	•	•	•	•						3/8
1/2	•	•	•	•	•	•	•				1/2
5/8	•	•	•	•	•	•	•	•			5/8
3/4	•	•	•	•	•	•	•	•	•		3/4
7/8	•	•	•	•	•	•	•	•	•		7/8
1	•	•	•	•	•	•	•	•	•	•	1
1 1/4		•	•	•	•	•	•	•	•	•	1 1/4
1 1/2		•	•	•	•	•	•	•	•	•	1 1/2
1 3/4			•	•	•	•	•	•	•	•	1 3/4
2			•	•	•	•	•	•	•	•	2
2 1/4			•	•	•	•	•	•	•	•	2 1/4
2 1/2			•	•	•	•	•	•	•	•	2 1/2
2 3/4				•	•	•	•	•	•	•	2 3/4
3			•	•	•	•	•	•	•	•	3
3 1/4				•	•	•	•	•	•	•	3 1/4
3 1/2			•	•	•	•	•	•	•	•	3 1/2
4			•	•	•	•	•	•	•	•	4
4 1/2				•	•	•	•	•	•	•	4 1/2
5				•	•	•	•	•	•	•	5
5 1/4					•	•	•	•	•	•	5 1/4
5 1/2				•	•	•	•	•	•	•	5 1/2
5 3/4					•	•	•	•	•	•	5 3/4
6				•	•	•	•	•	•	•	6
6 1/2					•	•	•	•	•	•	6 1/2
7					•	•	•	•	•	•	7
7 1/2						•	•	•	•	•	7 1/2
8					•	•	•	•	•	•	8
9						•	•	•	•	•	9
10							•	•	•	•	10
12								•	•	•	12
MAX. HEAD DIAMETER	.226	.270	5/16	3/8	15/32	9/16	3/4	15/16	1 1/8	1 1/2	MAX. HEAD DIAMETER
MAX. HEAD HEIGHT	.138	.164	.190	1/4	5/16	3/8	1/2	5/8	3/4	1	MAX. HEAD HEIGHT
SIZE OF HEX. HOLE	7/64	9/64	5/32	3/16	1/4	5/16	3/8	1/2	5/8	3/4	SIZE OF HEX. HOLE

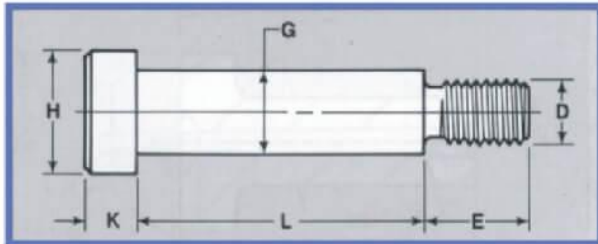
L = LONGITUD DEBAJO DE LA CABEZA

L = LONGITUD DEBAJO DE LA CABEZA





TORNILLOS GUIA Y PERNO DE REGISTRO



- Concentricidad entre diámetros G y H esta dentro de tolerancia .005" T.I.R.
- Tolerancia de G dia. es $\begin{matrix} +.000 \\ -.003 \end{matrix}$

G Shoulder Diameter	1/4	5/16	3/8	1/2	5/8	3/4
D Thread	No. 10-24	1/4-20	5/16-18	3/8-16	1/2-13	5/8-11
E Thread Length	3/8	7/16	1/2	5/8	3/4	7/8
H Head Diameter	3/8 $\begin{matrix} +.000 \\ -.018 \end{matrix}$	7/16 $\begin{matrix} +.000 \\ -.015 \end{matrix}$	9/16 $\begin{matrix} +.000 \\ -.015 \end{matrix}$	3/4 $\begin{matrix} +.000 \\ -.021 \end{matrix}$	7/8 $\begin{matrix} +.000 \\ -.022 \end{matrix}$	1" $\begin{matrix} +.000 \\ -.023 \end{matrix}$
K Head Height	3/16 $\begin{matrix} +.000 \\ -.006 \end{matrix}$	7/32 $\begin{matrix} +.000 \\ -.006 \end{matrix}$	1/4 $\begin{matrix} +.000 \\ -.006 \end{matrix}$	5/16 $\begin{matrix} +.000 \\ -.006 \end{matrix}$	3/8 $\begin{matrix} +.000 \\ -.007 \end{matrix}$	1/2 $\begin{matrix} +.000 \\ -.008 \end{matrix}$
Hex hole Across Flats	1/8	5/32	3/16	1/4	5/16	3/8

LONGITUD DEL CUERPO "L"	DIAMETRO DEL CUERPO "G"					
	1/4	5/16	3/8	1/2	5/8	3/4
3/8	•	•	•			
1/2	•	•	•	•		
5/8	•	•	•	•		
3/4	•	•	•	•		
1	•	•	•	•		
1 1/4	•	•	•	•	•	
1 1/2	•	•	•	•	•	•
1 3/4	•	•	•	•	•	•
2	•	•	•	•	•	•
2 1/4	•	•	•	•	•	•
2 1/2	•	•	•	•	•	•
2 3/4			•	•	•	•
3			•	•	•	•
3 1/4			•	•	•	•
3 1/2			•	•	•	•
3 3/4			•	•	•	•
4			•	•	•	•
4 1/4				•	•	
4 1/2				•	•	•
4 3/4				•	•	
5				•	•	•
5 1/2				•	•	•
6				•	•	•
7				•		

PERNO DE REGISTRO



LONGITUD	DIAMETRO									LONGITUD
	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	
3/8	•	—	—	—	—	—	—	—	—	3/8
1/2	•	•	•	•	•	—	—	—	—	1/2
3/4	•	•	•	•	•	•	—	—	—	3/4
1	•	•	•	•	•	•	•	—	—	1
1 1/4	•	•	•	•	•	•	•	—	—	1 1/4
1 1/2	•	•	•	•	•	•	•	—	—	1 1/2
2	•	•	•	•	•	•	•	•	•	2
2 1/2	—	—	•	•	•	•	•	•	—	2 1/2
3	—	—	•	•	•	•	•	•	•	3
4	—	—	—	—	—	•	•	•	•	4
5	—	—	—	—	—	—	•	•	•	5

CUANDO USTED ORDENE POR FAVOR ESPECIFICAR:

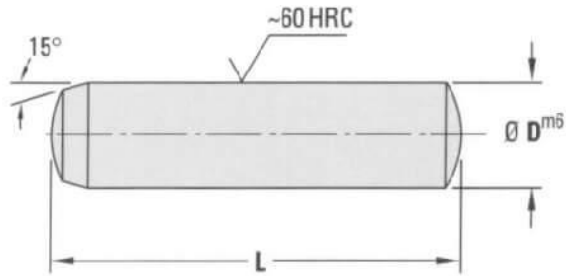
1. Cantidad
2. Diámetro
3. Longitud



PERNO SOLIDO Y TORNILLO GUIA MM.

PERNO SOLIDO MM.

INFORMACION:
 D= Diámetro Exterior
 L= Longitud
 Standard: DIN 6325, ISO 8734
 Material: Per DIN and ISO Specifications
 Surface Finish Definitions: See Appendix E
 Fit Tolerances: See Appendix F
 Dimensions: Shown in Millimeters (mm)



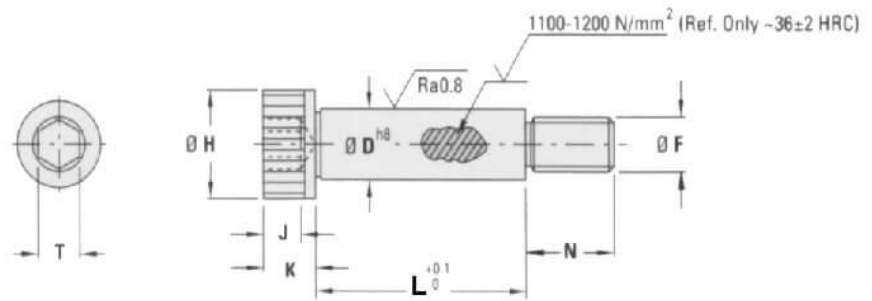
CLAVE	D	L																			
		6	8	10	12	14	16	18	20	24	28	32	36	40	50	60	80	100	120	140	
PS	2																				
	3																				
	4																				
	5																				
	6																				
	8																				
	10																				
	12																				
	16																				
20																					

COMO ORDENAR: Mencione Diámetro del Cuerpo letra "PS" y Longitud letra "L"

Prefix D L Ejemplo: Ejemplo:
 PS D L PS= D 2-L8 PS= D20-L60

TORNILLO GUIA MM.

INFORMACION:
 D= Diámetro Cuerpo
 F= Diámetro Cuerda
 H= Diámetro Cabeza
 J= Profundidad Hexágono
 K= Espesor Cabeza
 N= Longitud Cuerda
 L= Longitud Cuerpo
 T= Diámetro Hexágono
 Standard= AFNOR E 27-192 Class 12.9
 Material= AFNOR 35 NC 6 (AISI 3135 Type) Steel
 Surface Finish Definitions: See Appendix E
 Fit Tolerances: See Appendix F
 Dimensions: Shown in Millimeters (mm)



CLAVE	H	K	N	D	T	J	F	L																																						
								6	8	10	12	14	16	20	25	30	40	50	60	70	80	90	100	110	120	140	160	200	250																	
TG 5	9	4	8	6	3	2.5	M5							✓		✓		✓																												
TG 6	11	5	10	8	4	3	M6							✓		✓		✓																												
TG 8	14	6	12	10	5	4	M8							✓		✓		✓																												
TG 10	18	8	16	12	6	5	M10							✓		✓		✓																												
TG 12	22	10	20	16	8	6	M12							✓		✓		✓																												
TG 16	28	12	25	20	10	8	M16							✓		✓		✓																												
TG 20	36	16	32	25	14	11	M20							✓		✓		✓																												
TG 24	45	20	40	32	17	12	M24							✓		✓		✓																												

COMO ORDENAR: Mencione el Diámetro del Cuerpo letra "D" mas letra "L" Longitud del Cuerpo. KEY TO CHART

Clave D L Ejemplo: Ejemplo:
 TG D L TG 8 X 20 TG 24 X 120

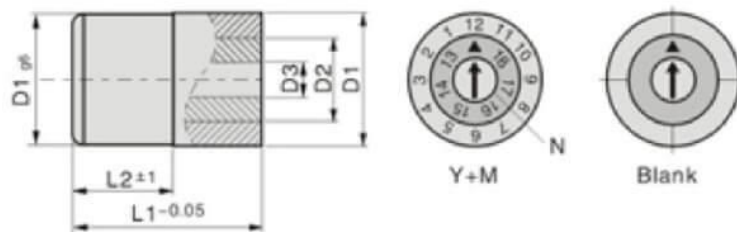
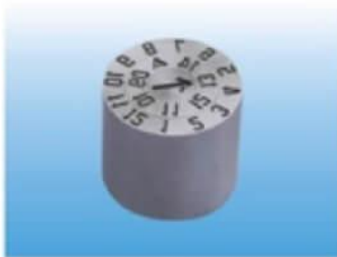




FECHADOR DOAL DOBLE

DOUBLE DATE STAMP AFDA.

Double Date Stamp. Allows two different indications on the plastic part without the need for 2 date stamps, reducing costs and space required. In the standard version (12 months + years), it saves to periodically change the central insert during 5/6/10 consecutive years. The same height is always maintained between all the rings.



⊗ N stands for displayed number of years.

Type No. (begin from 13) +Month (1-12)	Size				
	D1	D2	D3	L1	L2
AFDA. 12106/..	φ 6	4	2	12	6+1
AFDA. 12108/..	φ 8	5	2.5	12	6+1
AFDA. 121010/..	φ 10	6	3	12	6+1
AFDA. 121012/..	φ 12	8	4	14	7+1
AFDA. 121016/..	φ 16	10	5	14	7+1
AFDA. 121020/..	φ 20	12	6	16	8+1



Order: Type No. x PCS
AFDA.12106 x 10



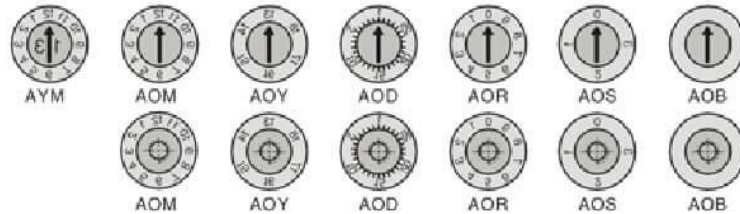
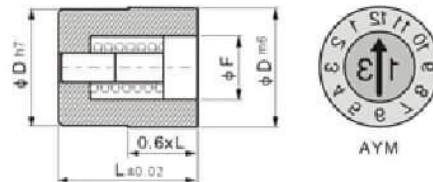
RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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FECHADOR STANDARD

INSERTED RENEWABLE DATE SEAL AYM.



Months+Year	Months	Year	Days (1-31)	1st digit	2nd digit	Blank	ϕD	L	ϕF
AYM_*_04	AOM0004	AOY_*_04	---		AOS0004	AOB0004	4	8	2.1
AYM_*_06	AOM0006	AOY_*_06		AOR0006	AOS0006	AOB0006	6	8	3.1
AYM_*_08	AOM0008	AOY_*_08	---	AOR0008	AOS0008	AOB0008	8	10	4.4
AYM_*_10	AOM0010	AOY_*_10		AOR0010	AOS0010	AOB0010	10	12	5.2
AYM_*_12	AOM0012	AOY_*_12	AOD0012	AOR0012	AOS0012	AOB0012	12	14	6.2
AYM_*_16	AOM0016	AOY_*_16	AOD0016	AOR0016	AOS0016	AOB0016	16	14	8.2
AYM_*_20	AOM0020	AOY_*_20	AOD0020	AOR0020	AOS0020	AOB0020	20	16	11

Please fill the beginning year on " * " when you make and order

Months	Year	Days	1st digit	2nd digit	Blank	ϕD	L	ϕF
AOM0004	AOY_*_04	---	---	AOS0004	AOB0004	4	8	2.1
AOM0006	AOY_*_06	---	AOR0006	AOS0006	AOB0006	6	8	3.1
AOM0008	AOY_*_08	---	AOR0008	AOS0008	AOB0008	8	10	4.4
AOM0010	AOY_*_10	---	AOR0010	AOS0010	AOB0010	10	12	5.2
AOM0012	AOY_*_12	AOD0012	AOR0012	AOS0012	AOB0012	12	14	6.2
AOM0016	AOY_*_16	AOD0016	AOR0016	AOS0016	AOB0016	16	14	8.2
AOM0020	AOY_*_20	AOD0020	AOR0020	AOS0020	AOB0020	20	16	11

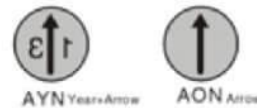
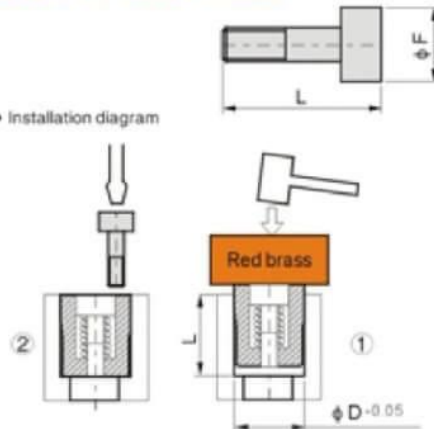
Please fill the beginning year on " * " when you make and order

Order: Type No. x PCS
AYM_*_04 x 10

INNER POINTER OF DATE STAMP

AYN.

• Installation diagram



Year and Arrow	Arrow	L	ϕF
AYN_*_04	AON0004	8	2.1
AYN_*_06	AON0006	8	3.1
AYN_*_08	AON0008	10	4.4
AYN_*_10	AON00010	12	5.2
AYN_*_12	AON00012	14	6.2
AYN_*_16	AON00016	14	8.2
AYN_*_20	AON00020	16	11

Order please * Please fill in first year

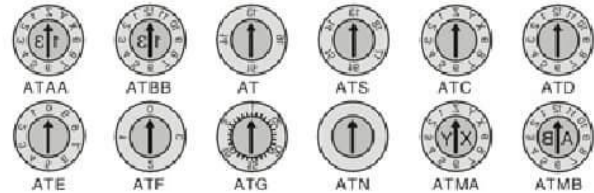
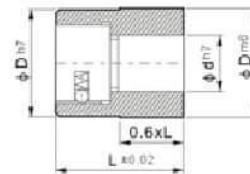




FECHADOR STANDARD BALIN JAPONES

Japanese standard

SPLIT - TYPE DATE STAMP ATAA.



Months+Year	Months+Year	Year	Year	Months	Months	ϕD	L	ϕF
ATAA4_*	ATBB4_*	AT4_*	ATS4_*	ATC_*	ATD4_*	4	8	2.2
ATAA5_*	ATBB5_*	AT5_*	ATS5_*	ATC_*	ATD5_*	5	8	2.5
ATAA6_*	ATBB6_*	AT6_*	ATS6_*	ATC_*	ATD6_*	6	8	63
ATAA8_*	ATBB8_*	AT8_*	ATS8_*	ATC_*	ATD8_*	8	8	4
_____	ATBB10_*	AT10_*	ATS10_*	_____	ATD10_*	10	10	5
_____	ATBB12_*	AT12_*	ATS12_*	_____	ATD12_*	12	12	6.5
_____	ATBB16_*	AT16_*	ATS16_*	_____	ATD16_*	16	14	10
_____	ATBB20_*	AT20_*	_____	_____	ATD20_*	20	16	12

Please fill the beginning year on " * " when you make and order

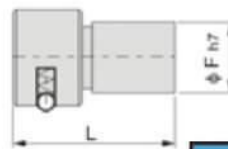
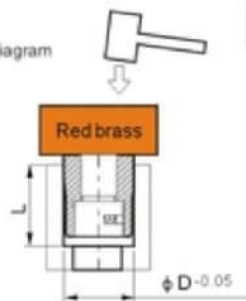
1st digit	2nd digit	Days	Blank	XY+Year	AB+Year	ϕD	L	ϕF
ATE4	ATF4	_____	ATN4	_____	_____	4	8	2.2
ATE5	ATF5	_____	ATN5	ATMA5	ATNB5	5	8	2.5
ATE6	ATF6	_____	ATN6	ATMA6	ATNB6	6	8	63
ATE8	ATF8	_____	ATN8	ATMA8	ATNB8	8	8	4
ATE10	ATF10	_____	ATN10	_____	ATNB10	10	10	5
ATE12	ATF12	_____	ATN12	_____	ATNB12	12	12	6.5
ATE16	ATF16	ADT16_*	ATN16	_____	ATNB16	16	14	10
ATE20	ATF20	ADT20_*	ATN20	_____	ATNB20	20	16	12

INNER POINTER OF DATE STAMP

AYY.

Order: Type No. x PCS
ATAA4 x 10

* Installation diagram



Year+Arrow	Arrow	AB+Arrow	L	ϕF
AYY4_*	AN4	AM5	8	2.2
AYY5_*	AN5	AM6	8	2.5
AYY6_*	AN6	AM8	8	3
AYY8_*	AN8	AM10	8	4
AYY10_*	AN0	AM12	10	5
AYY12_*	AN12	AM16	12	6.5
AYY16_*	AN16	AM20	14	10
AYY20_*	AN20	_____	16	12

Please fill the beginning year on " * " when you make and order



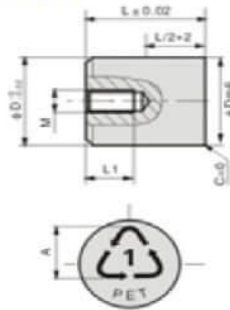
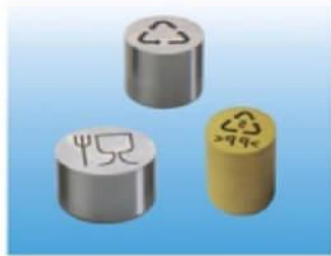
RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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FECHADOR DE RECICLAJE (TRIPLE Y CUADRUPLE)

RECYCLING INSERTS AT01



- Environmental protection stamp indicates indication sign to recover plastic products due to those reasons, such as the age and decrease of quality, etc.
- It indicates grade of plastics, which is convenient to classify indications or trademark or other characters or patterns needed to be indicated when recovery is made, due to those reasons, such as environmental protection of products, etc.
- Copper recycling insert is suitable for thin-walled mold plastic products, because the heat dissipation is good.

Type No.	φ Dm6	L	L1	A	M	Depth of characters	
AT01	4	6/8	4	2	2x0.4	0.2	
	5	+0.012 +0.004	8	4	3		2x0.45
	6		8/10	5	4		3x0.5
	8	+0.015 +0.006	10	6	5		4x0.7
	10		12	6	6		4x0.7
	12		12	6	6		5x0.8
	16	+0.018 +0.007	14	6	6	5x0.8	0.3
	20		12	7	7	5x0.8	
	14		7	7	6x1		
	16	7	10	6x1			
14	8	12	6x1				
16	10	6x1					

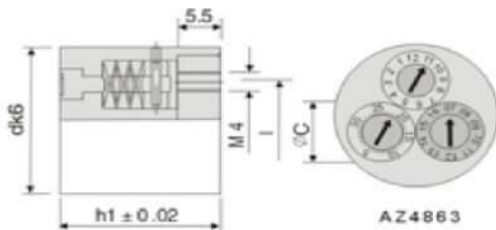
Order: Type No. x PCS
AT01 x 10

DC STANDARD

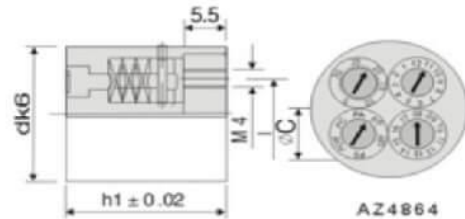
MULTIDATE STAMP AZ4863 AZ4864



This date stamp is a component with year, month, day and recycling insert, the perfect combination, full use of space, applied to the production control.



AZ4863



AZ4864

Type No.	Size				Unit price
	d	h ₁	l	c	
AZ4863/28	28	25	16	12	
AZ4863/32	32		18	14	
AZ4863/36	36		22	16	

Type No.	Size			
	d	h ₁	l	c
AZ4864/32	32	25	18	12
AZ4864/36	36		22	14
AZ4864/40	40		26	16

Order: Type No. x PCS
AZ4863/28 x 10



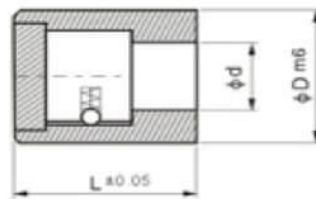
RESISTENCIAS Y ACCESORIOS PARA MOLDES

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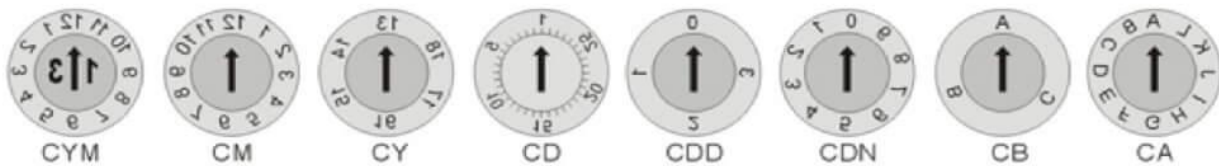


FECHADOR MM. Y STANDARD

TRADITIONAL DATE STAMP AT02



- 1, It has ball structure with fit tightness.
- 2, It has accurate arrow indication, and uses ball positioning.
- 3, It is cost-effective, and easy to assemble.
- 4, The following specification is subject to ACT, moreover, it can be processed according to the specification and length proposed by the customers.



Type No.								Size
Months+ Year	Months (1~12)	Year (13~18)	Day (1~31)	Day (Digit)	Day (Digit)	Shift (A~C)	(A~L)	
—	ACM3-6	ACY3-6	—	ACDD3-6	—	ACB3-6	—	ϕ 3-6mm
ACYM4-6	ACM4-6	ACY4-6	—	ACDD4-6	ACDN4-6	ACB4-6	ACA4-6	ϕ 4-6/8mm
ACYM5-8	ACM5-8	ACY5-8	ACD5-8	ACDD5-8	ACDN5-8	ACB5-8	ACA5-8	ϕ 5-8mm
ACYM6-8	ACM6-8	ACY6-8	ACD6-8	ACDD6-8	ACDN6-8	ACB6-8	ACA6-8	ϕ 6-8mm
ACYM6-10	ACM6-10	ACY6-10	ACD6-10	ACDD6-10	ACDN6-10	ACB6-10	ACA6-10	ϕ 6-10mm
ACYM8-10	ACM8-10	ACY8-10	ACD8-10	ACDD8-10	ACDN8-10	ACB8-10	ACA8-10	ϕ 8-10mm
ACYM10-10	ACM10-10	ACY10-10	ACD10-10	ACDD10-10	ACDN10-10	ACB10-10	ACA10-10	ϕ 10-10mm
ACYM10-12	ACM10-12	ACY10-12	ACD10-12	ACDD10-12	ACDN10-12	ACB10-12	ACA10-12	ϕ 10-12mm
ACYM12-12	ACM12-12	ACY12-12	ACD12-12	ACDD12-12	ACDN12-12	ACB12-12	ACA12-12	ϕ 12-12mm
ACYM16-14	ACM16-14	ACY16-14	ACD16-14	ACDD16-14	ACDN16-14	ACB16-14	ACA16-14	ϕ 16-14mm
ACYM20-14	ACM20-14	ACY20-14	ACD20-14	ACDD20-14	ACDN20-14	ACB20-14	ACA20-14	ϕ 20-14mm

Statement: if the date stamp haven't the slot to fix, it will random move, so the effect of indicating the date.



Order: Type No. x PCS
AT02 x 10



RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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INSERTOS FECHADORES

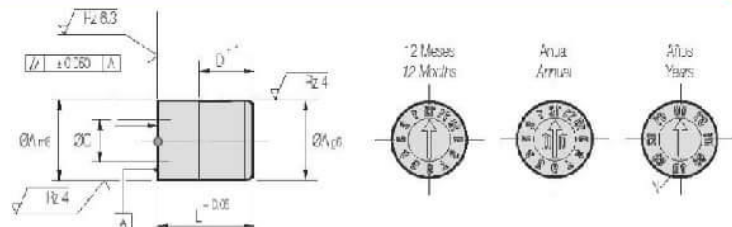
Fechador Mes y Año

Características:

El cambio del mes o del año, se realiza sin desmontar el fechador del molde, simplemente gire a la derecha o a la izquierda el indicador anual. Totalmente Inoxidable.

Material: INOX 1.4034 - Templado 48/54HRC.

Temp. Máxima de Trabajo: 150°C



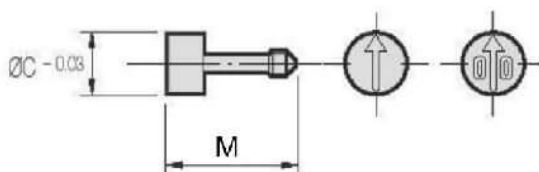
CLAVE			A	C	D	E	L	N
12 MESES	MES Y AÑO	AÑOS						Nº AÑOS
FA.0422SF	FA.042212-..	FA.042204-..	4	2.2	5	2.5	12	4
FA.0530SF	FA.053012-..	FA.053004-..	5	3	5	3.5	12	4
FA.0632SF	FA.063212-..	FA.063205-..	6	3.2	12	4	20	5
FA.0847SF	FA.084712-..	FA.084705-..	8	4.7	12	6	20	5
FA.1057SF	FA.105712-..	FA.105706-..	10	5.7	12	8	20	6
FA.1267SF	FA.126712-..	FA.126708-..	12	6.7	12	10	20	8
FA.1687SF	FA.168712-..	FA.168710-..	16	8.7	12	12	20	10

En el modelo Mes y año indicar el año deseado en el inserto
En el modelo Años indicar el primer año a grabar.

Inserto Interior Flecha y Año Características:

Su ajuste frontal, permite el cambio del inserto sin necesidad de Desmontar el molde de la maquina. El inserto se cambia con un destornillador, sin necesidad de ninguna otra manipulación.

Material: INOX 1.4034 - Templado 48/54HRC.



En el modelo flecha y año, Indicar el año deseado después de la referencia.

CLAVE			
SÓLO FECHA	FECHA + AÑO	C	M
IA.2275SF	IA.2275..	2.2	7.5
IA.3075SF	IA.3075..	3	7.5
IA.3217SF	IA.3217..	3.2	17
IA.4717SF	IA.4717..	4.7	17
IA.5717SF	IA.5717..	5.7	17
IA.6717SF	IA.6717..	6.7	17
IA.8717SF	IA.8717..	8.7	17
IA.1007SF	IA1007..	10.7	17

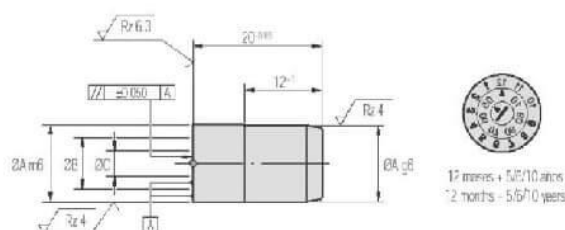
Fechador Doble

Características:

Permite marcar dos informaciones diferentes en un único fechador, lo que se supone un ahorro de espacio y costo. En el modelo estándar (12 meses + años), se evita el cambio del inserto durante 5/6/10 años consecutivos, manteniendo siempre el mismo nivel en toda su superficie.

Material: INOX 1.4034 - Templado 48/54HRC.

Temp. Máxima de Trabajo:



CLAVE	A	B	C	E	CONTIENE
FD.080512-..	8	5.5	3	6	12 meses + 5 años
FD.120812-..	12	8	4	10	12 meses + 6 años
FD.161012-..	16	10.5	5.3	12	12 meses + 10 años

IMPORTANTE:

Para cambiar el mes, girar hacia la izquierda (las dos coronas centrales se mueven).
Para cambiar el año, girar hacia la derecha (sólo se mueve la corona central).



RESISTENCIAS Y ACCESORIOS
PARA MOLDES

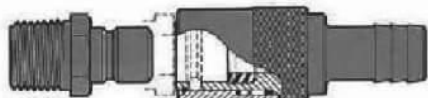
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CONECTORES RÁPIDOS PARA AGUA

Los conectores Jiffy-Tite son diseñados para su uso en moldes de plástico y moldeo de metal para líneas de agua, aire o aceite. Con una combinación de latón y acero inoxidable a prueba de fugas; poseen una máxima capacidad de 200 psi; y superan temperaturas de hasta 205°C, con los sellos de Viton provistos.

CONECTORES JIFFY-TITE (DE FLUJO DIRECTO)



CONECTORES JIFFY-MATIC (TIPO VALVULADOS)



CONECTORES DE FLUJO DIRECTO				CONECTORES VALVULADOS	
DESCRIPCION	CLAVE	DIAM. INTERIOR DE LA MANGUERA	DIAM. INTERIOR DEL CONECTOR	USADO CON: CONECTORES STD. MACHOS, HEMBRAS O DE EXTENSION	CLAVE
RECTO	LW - 204	1/4	3/16	NW-(F/B) 250 a 253	LW - 204 - V
	LW - 205	5/16	1/4	NW-(F/B) 250 a 253	LW - 205 - V
	LW - 206	3/8	1/4	NW-(F/B) 250 a 253	LW - 206 - V
	* LW - 306 *	3/8	1/4	NW-(F/B) 351 a 354	* LW - 306 - V *
	LW - 308	1/2	3/8	NW-(F/B) 351 a 354	LW - 308 - V
	* LW - 504 *	1/2	3/8	NW-(F) 553 a 556	* LW - 504 - V *
SALIDA 90°	LW - 506	3/4	5/8	NW-(F) 553 a 556	LW - 506 - V
	LW - 214	1/4	3/16	NW-(F/B) 250 a 253	LW - 214 - V
	LW - 215	5/16	1/4	NW-(F/B) 250 a 253	LW - 215 - V
	LW - 216	3/8	1/4	NW-(F/B) 250 a 253	LW - 216 - V
	* LW - 316 *	3/8	1/4	NW-(F/B) 351 a 354	* LW - 316 - V *
	LW - 318	1/2	3/8	NW-(F/B) 351 a 354	LW - 318 - V
SALIDA 45°	* LW - 514 *	1/2	3/8	NW-(F) 553 a 556	* LW - 514 - V *
	LW - 516	3/4	9/16	NW-(F) 553 a 556	LW - 516 - V
	LW - 224	1/4	3/16	NW-(F/B) 250 a 253	LW - 224 - V
	LW - 225	5/16	1/4	NW-(F/B) 250 a 253	LW - 225 - V
	LW - 226	3/8	1/4	NW-(F/B) 250 a 253	LW - 226 - V
	* LW - 326 *	3/8	1/4	NW-(F/B) 351 a 354	* LW - 326 - V *
ROSCA NTP HEMBRA	LW - 328	1/2	3/8	NW-(F/B) 351 a 354	LW - 328 - V
	* LW - 524 *	1/2	3/8	NW-(F) 553 a 556	* LW - 524 - V *
	LW - 526	3/4	9/16	NW-(F) 553 a 556	LW - 526 - V
ROSCA NTP MACHO	LW - 200	1/8 NPT	1/4	NW-(F/B) 250 a 253	LW - 200 - V
	LW - 300	1/4 NPT	3/8	NW-(F/B) 351 a 354	LW - 300 - V
	LW - 500	1/2 NPT	5/8	NW-(F) 553 a 556	LW - 500 - V
	LW - 201 - M	1/8 NPT	1/4	NW-(F/B) 250 a 253	LW - 201 - MV
	LW - 302 - M	1/4 NPT	3/8	NW-(F/B) 351 a 354	LW - 302 - MV
	LW - 504 - M	1/2 NPT	9/16	NW-(F) 553 a 556	LW - 504 - MV

* INDICAN NUEVOS TAMAÑOS *



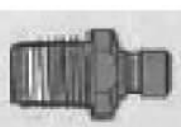
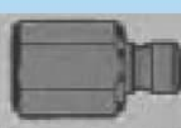


CONECTORES RÁPIDOS PARA MOLDE

Todos los Conectores Machos (incluyendo series SV) y Extensiones incluyen el sellador de rosca Jiffy-Seal. Eliminando la necesidad de utilizar cinta o algún compuesto, el sellador soporta temperaturas de hasta 205°C y presiones de hasta 200 psi.

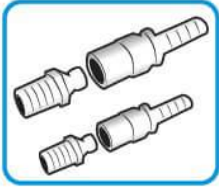
CONECTORES JIFFY-TITE; MACHO Y HEMBRA PARA SU USO CON CONECTORES JIFFY-TITE O JIFFY-MATIC (INCLUYENDO SERIES SV)



DESCRIPCION	LARGO L	ROSCA DE TUBERIA	DIAM. DE TUBERIA	TAMAÑO HEX.	CLAVE	USADO CON CONECTOR SERIE :
 CONECTOR MACHO (LATH)	59/64	1/16 NPT	3/16	7/16	* NW-250 *	LW-204-(V/SV)
	59/64	1/8 NPT	1/4	7/16	NW-251	a
	1 5/32	1/4 NPT	1/4	9/16	NW-252	LW-226-(V/SV)
	1 3/16	3/8 NPT	1/4	11/16	NW-253	
	1 3/16	1/8 NPT	1/4	9/16	* NW-351 *	LW-306-(V/SV)
	1 25/64	1/4 NPT	3/8	9/16	NW-352	a
	1 25/64	3/8 NPT	3/8	11/16	NW-353	LW-328-(V/SV)
	1 37/64	1/2 NPT	3/8	7/8	NW-354	
	1 9/16	3/8 NPT	7/16	7/8	* NW-553 *	LW-504-(V)
	1 3/4	1/2 NPT	5/8	7/8	NW-554	a LW-526-(V)
1 3/4	3/4 NPT	5/8	1 1/8	NW-556		
 CONECTOR HEMBRA (LATH)	1"	1/16 NPT	1/4	1/2	* NW-0250 *	LW-204-(V/SV)
	1"	1/8 NPT	1/4	1/2	NW-0251	a
	1 9/32	1/4 NPT	1/4	5/8	NW-0252	LW-226-(V/SV)
	1 13/32	3/8 NPT	1/4	3/4	NW-0253	
	1 9/32	1/8 NPT	11/32	5/8	* NW-0351 *	LW-306-(V/SV)
	1 31/64	1/4 NPT	3/8	5/8	NW-0352	a
	1 37/64	3/8 NPT	3/8	3/4	NW-0353	LW-328-(V/SV)
	1 49/64	1/2 NPT	3/8	15/16	NW-0354	
	1 11/16	3/8 NPT	9/16	15/16	* NW-0553 *	LW-504-(V)
	1 49/64	1/2 NPT	5/8	15/16	NW-0554	a LW-526-(V)
1 49/64	3/4 NPT	5/8	1 1/8	NW-0556		

* INDICA NUEVOS TAMAÑOS *





EXTENSIONES

PARA SU USO CON CONECTORES JIFFY-TITE O JIFFY-MATIC (INCLUYENDO SERIES SV)



ROSCA NPT	TAMAÑO HEX.	O.A.L.	CLAVE	USADO CON CONECTORES :
1/8	9/16	4"	* EXT-3514 *	LW-306-(V/SV) a LW-328-(V/SV)
1/8	9/16	6"	* EXT-3516 *	
1/8	9/16	8"	* EXT-3518 *	
1/4	9/16	4"	EXT-3524	
1/4	9/16	6"	EXT-3526	
1/4	9/16	8"	EXT-3528	
3/8	11/16	4"	EXT-3534	
3/8	11/16	6"	EXT-3536	
3/8	11/16	8"	EXT-3538	

* INDICAN NUEVOS TAMAÑOS *

ROSCA NPT	TAMAÑO HEX.	O.A.L.	CLAVE	USADO CON CONECTORES :
1/8	7/16	4"	EXT-2514	LW-204-(V/SV) a LW-226-(V/SV)
1/8	7/16	6"	EXT-2516	
1/8	7/16	8"	EXT-2518	
1/4	9/16	4"	EXT-2524	
1/4	9/16	6"	EXT-2526	
1/4	9/16	8"	EXT-2528	
3/8	11/16	4"	EXT-2534	
3/8	11/16	6"	EXT-2536	
3/8	11/16	8"	EXT-2538	

Sellos de Reemplazo

Los Conectores Jiffy-Tite y Jiffy-Matic son provistas con sellos de Viton para usarse con aplicaciones de aire, agua o aceites de transferencia de calor los cuales no exceden 205°C y 200 psi. Los Sellos deben de ser reemplazados periódicamente según se requiera para asegurar que las conexiones estén libres de fugas.

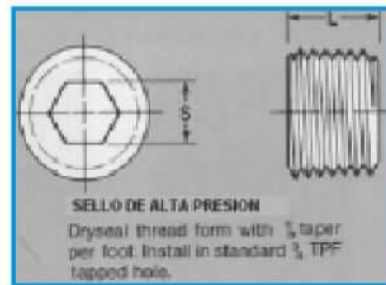
MAXIMA TEMPERATURA/PRESION OPERATIVA = 205 °C / 200 PSI

PARA SU USO CON:	MATERIAL DEL SELLO	CLAVE	USADO CON CONECTORES
Aire, Agua o Aceite de Transferencia de Calor	Viton (Verde)	EB 200-8	LW-204-(V/SV) a 226-(V/SV)
		EB 300-8	LW-306-(V/SV) a 328-(V/SV)
		EB 500-8	LW-504-(V) a 526-(V)

Tapones de Latón a presión

Los Tapones de Latón a Presión con Rosca proporcionan un sello de alta presión a través de una diferencia deliberada del entre el tapón y el agujero. La nivelación se logra a través de un control más cercano de las formas y tamaños de los machuelos. Pueden usarse en líneas de vapor o agua. Soportan presiones de hasta 600 PSI.

CLAVE	TAMAÑO NOMINAL	LARGO L	TAMAÑO HEX. S	ROSCA HILOS POR PULGADA	TAMAÑO DE BROCA
TL-10	1/8 NPT	.250	3/16	27	21/64
TL-20	1/4 NPT	.406	1/4	18	27/64
TL-40	3/8 NPT	.406	5/16	18	9/16
TL-60	1/2 NPT	.531	3/8	14	11/16
TL-100	3/4 NPT	.531	9/16	14	57/64
TL-140	1" NPT	.656	5/8	11 1/2	1 1/8
TL-116	1 1/16 NPT	.250	5/32	27	19/64



RESISTENCIAS Y ACCESORIOS PARA MOLDES

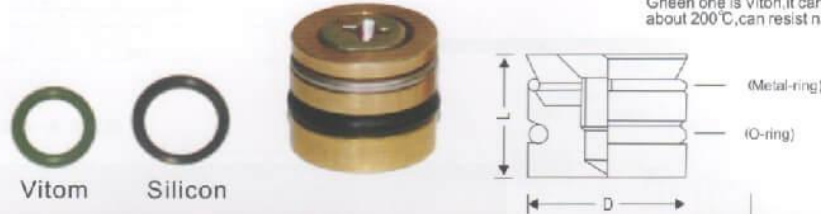
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TAPONES, EXTENSIÓN Y CONEXIÓN

Cooling System

(Water Stopper)



Black one is Silicon, it can resist high temperature about 100°C, and can resist water but not oil.
Green one is Viton, it can resist high temperature about 200°C, can resist water and oil.

編號(Item No.)	WS-06	WS-08	WS-10	WS-12	WS-14	WS-16	WS-18	WS-20	WS-25	WS-30
D	Φ6	Φ8	Φ10	Φ12	Φ14	Φ16	Φ18	Φ20	Φ25	Φ30
L	10	10	10	12	13	14	16	19	19	19

: mm

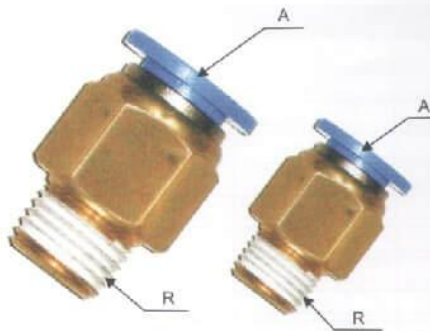
(Brass Pressure)

(Seamless Steel Tube)



(Series)	(Open No.)	D	L	A	d
01PT	1/8PT-(50)-(75)-(100)-(125)-(150)-(200)-(250)	1/8PT	(50)-(75)-(100)-(125)-(150)-(200)-(250)	1/8PT	7.0
02PT	1/4PT-(50)-(75)-(100)-(125)-(150)-(200)-(250)	1/4PT	(50)-(75)-(100)-(125)-(150)-(200)-(250)	1/4PT	9.0
03PT	3/8PT-(50)-(75)-(100)-(125)-(150)-(200)-(250)	3/8PT	(50)-(75)-(100)-(125)-(150)-(200)-(250)	3/8PT	12.0

(Quick Fittings)



(Series)	(Item No.)	TUBE OD(A)	(Thread Size)(R)
SPC	SPC6-01PT	6	1/8PT
	SPC6-02PT		1/4PT
	SPC8-01PT	8	1/8PT
	SPC8-02PT		1/4PT
	SPC8-03PT		3/8PT
	SPC10-01PT	10	1/8PT
	SPC10-02PT		1/4PT
	SPC10-03PT		3/8PT
	SPC12-02PT	12	1/4PT
	SPC12-03PT		3/8PT



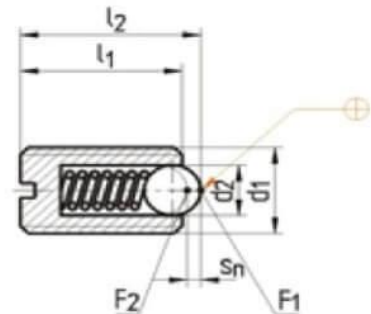


OPRESOR CON BALIN STD. Y LARGO

BALL PLUNGER AZ371

Material : 1.4305

Description : Slotted



Type No.	max. °C	d ₂	S _n	F ₁ [N]	F ₂ [N]	l ₂	d ₁	l ₁
AZ371/4 x 9	250	2.5	0.64	6.0	11.6	9.8	M4	9
5 x 12		3	0.72	8.8	13.3	12.9	M5	12
6 x 14		3.5	0.8	11.2	15.1	15.0	M6	14
8 x 16		5	1.2	18.5	29.5	17.5	M8	16
10 x 19		6	1.3	23.9	43.0	21.0	M10	19
12 x 22		8	2.0	35.9	59.8	24.5	M12	22
16 x 24		10	2.4	74.0	101.6	27.0	M16	24

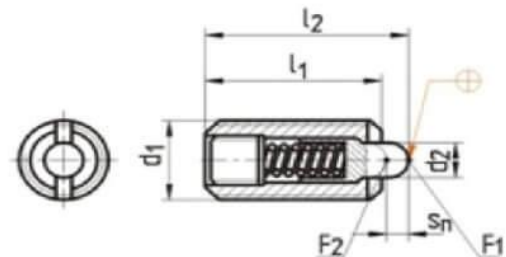


Order: Type No. x PCS
AZ371/4x9 x 10

SPRING PLUNGER AZ372

Material : 1.0718

Description : Slotted, With stud



Type No.	max. °C	d ₂	S _n	F ₁ [N]	F ₂ [N]	l ₂	d ₁	l ₁
AZ372/3 x 12	250	1.0	0.8	1.7	2.8	13.0	M3	12
4 x 15		1.5	1.2	5.0	12.0	16.5	M4	15
5 x 18		2.4	1.8	7.0	16.0	20.3	M5	18
6 x 20		2.7	2.0			22.5	M6	20
8 x 22		3.5	2.1	9.0	28.0	25.0	M8	22
10 x 22		4.0					M10	22
12 x 28		6.0	3.2	15.0	44.0	32.0	M12	28
16 x 32		7.5	4.0	45.0	80.0	37.0	M16	32
20 x 40		10.0	5.6	70.0	112.0	47.0	M20	40
24 x 52		12.0	8.0	80.0	144.0	62.0	M24	52



Order: Type No. x PCS
AZ372/3x12 x 10



RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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PIEDRAS PARA PULIR

EDM PIEDRA DE PULIR AM-8

AM-8	100	120	150	180	220	280	320	400	600
1/16X1/4X6		20120	20230	20340	20450	20560	20670	20780	21000
1/16X1/2X6	20020	20130	20240	20350	20460	20570	20680	20790	21010
1/8X1/8X6	20030			20360	20470		20690	20800	21020
1/8X1/4X6	20040	20150	20260	20370	20480	20590	20700	20810	21030
1/8X1/2X6	20050	20160	20270	20380	20490	20600	20710	20820	21040
1/8X1X6	20060	20170	20280	20390	20500	20610	20720	20830	21050
5/32X5/32X6	20070	20180		20400	20510		20730	20840	21060
1/4X1/4X6	20090	20200	20310	20420	20530	20640	20750	20860	21080
1/4X1/2X6	20100	20210	20320	20430	20540	20650	20760	20870	21090
1/4X1X6	20110	20220	20330	20440	20550	20660	20770	20880	21100
3/8X3/8X6	20112	20222	20332	20442	20552		20772		



CARACTERISTICAS AM-8

- Es diseñada para remover escala de Electroerosión en todo tipo de acero para Moldes y Troqueles.
- Es una excelente herramienta para pulir esquinas y zonas con detalles pequeños.
- Puede ser usado de forma Manual o con Equipos de pulido, y Equipos de Ultrasonido.
- La Mayoría de los Pulidores Profesionales recomiendan utilizar thinner lubricante TL-4.

PIEDRA DE USO EN GENERAL - Oxido de Aluminio AM-2

AM-2	100	150	180	220	280	320	400	600	900
1/16X1/4X6	23210	23340		23600	23730	23860	23990	24250	24510
1/16X1/2X6	23220	23350		23610		23870	24000	24260	24520
1/8X1/8X6	23230	23360	23490	23620		23880	24010	24270	24530
1/8X1/4X6	23240	23370	23500	23630	23760	23890	24020	24280	24540
1/8X1/2X6	23250	23380	23510	23640	23770	23900	24030	24290	24550
1/8X1X6	23260	23390	23520	23650	23780	23910	24040	24300	
5/32X5/32X6	23270	23400	23530	23660		23920	24050	24310	24570
1/4X1/4X6	23290	23420	23550	23680	23810	23940	24070	24330	24590
1/4X1/2X6	23300	23430	23560	23690	23820	23950	24080	24340	24600
1/4X1X6	23310	23440	23570	23700	23830	23960	24090	24350	24610
3/8X3/8X6	23315	23445		23705	23835	23965	24095	24355	
1/2X1/2X6	23320	23450	23580	23710	23840	23970	24100	24360	24620
1/2X1X6	23330	23460	23590	23720	23850	23980	24110	24370	24630
1X1X6	23331	23461	23591	23721		23981	24111	24371	



CARACTERISTICAS AM-2

- Es una piedra de grano fino de oxido de aluminio fue diseñada para pulir a mano todo tipo de aceros de moldes de plástico y metal.
- Incluyendo Aceros SAE1045, HB, 9840T, 4140T, P-20, H-13, S-7 y T-420.
- Por su acción suave y desgaste perfecto nos permite pulir Metales no ferrosos como: Aluminio, Cobre-Berilio y Aceros Inoxidable con alto contenido en Cromo y Níquel.

PIEDRA PRE-LUBRICADA AO

AO	120	150	220	320	400	600
1/16X1/4X6	33101	33201	33401	33601	33701	33901
1/16X1/2X6	33105	33205	33405	33605	33705	33905
1/8X1/8X6	33109	33209	33409	33609	33709	33909
1/8X1/4X6	33113	33213	33413	33613	33713	33913
1/8X1/2X6	33117	33217	33417	33617	33717	33917
1/8X1X6	33121	33221	33421	33621	33721	
5/32X5/32X6	33125	33225	33425	33625	33725	33925
1/4X1/4X6	33129	33229	33429	33629	33729	33929
1/4X1/2X6	33133	33233	33433	33633	33733	33933
1/4X1X6	33137	33237	33437	33637	33737	33937
3/8X3/8X6	33141	33241	33441	33641	33741	
1/2X1/2X6	33145	33245	33445	33645	33745	33945
1/2X1X6	33149	33249	33449	33649	33749	33949
1X1X6	33153	33253	33453	33653	33753	33953



CARACTERISTICAS AO

- Por sus características, esta piedra de oxido de aluminio es la piedra "ideal" para comenzar el pulido después del maquinado ó erosionado de la cavidad.
- Durante su fabricación esta piedra es impregnada de aceite, por lo que el tiempo de pre-libricación es menor.
- Para Superficies Maquinadas es ideal iniciar con la de grano 220-
- Se recomienda lubricar con Thinner TL-4 todos los tamaños y granos
- Para el grado EDM se recomienda grano 320 y 220.

Nota : Para partidas que no esten en existencia el pedido minimo sera de 12 pzas.



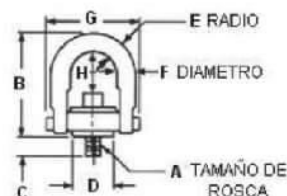
RESISTENCIAS Y ACCESORIOS
PARA MOLDES

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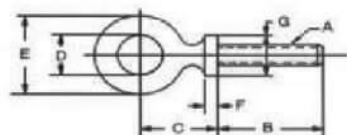
CANCAMOS MOVIBLES MÉTRICOS Y FIJOS



Cáncamos Movers Métricos

CLAVE	TAMAÑO DE ROSCA	CAPACIDAD (KG)	C "LARGO DE ROSCA"	B	D	E	F	G	H	ROSCA KG. M	TORNILLOS DE REPLAZO
23456	M8x1.25	400	12.5	67.8	19	10.9	9.7	46.7	32	1	23656
23458	M10x1.50	450	17.5	67.8	19	10.9	9.7	46.7	30	1.7	23658
23462	M12x1.75	1,050	19	121.4	38.1	22.4	19	89.4	60.5	3.8	23662
23465	M16x2.0	1,900	29	121.4	38.1	22.4	19	89.4	56.5	8.2	23665
23468	M20x2.5	2,150	34	121.4	38.1	22.4	19	89.4	52.5	13.6	23668
23471	M20x2.5	3,000	32	165.6	58.7	35.6	25.4	130.6	73	13.6	23671
23474	M24x3.0	4,200	37	165.6	58.7	35.6	25.4	130.6	69	31	23674
23478	M30x3.5	7,000	41.9	221.7	81	44.5	31.7	165.1	107.4	60	23678
23479	M30x3.5	7,000	61.7	221.7	81	44.5	31.7	165.1	107.4	60	23679
23483	M36x4.0	11,000	63.5	316.7	106.4	57.2	44.4	217.2	166.5	100	23683
23484	M42x4.5	12,500	68	316.7	106.4	57.2	44.4	217.2	160.5	100	23684
23485	M48x5.0	13,500	88	316.7	106.4	57.2	44.4	217.2	154.5	100	23685
23488	M64x6.0	22,500	96	419.1	146	76.2	57.15	297.6	210	290	23688

CANCAMOS FIJOS ESTÁNDAR



Material: C1030 acero forjado, tratado a calor, saciado y extraído.

Fuerza de Tensión: 65,000 PSI min.

Fuerza de Rendimiento: 50,000 PSI min.

Elongación: 30% min.

Reducción de Area: 60% min.

CLAVE	A	CARGA DE TRABAJO (KGS)	B	C	D	E	F	G	PESO (KGS)
DC 250	1/4" -20	227	1	11/16"	3/4"	1 3/16	3/16"	1/2"	0.05
DC 312	5/16" -18	408	1 1/8	7/8"	7/8"	1 7/8	3/16"	5/8"	0.10
DC 375	3/8" -16	590	1 1/4	1 1/16	1"	1 11/16	3/16"	11/16"	0.16
DC 437	7/16" -14	816	1 3/8"		1 1/16"	1 13/16			
DC 500	1/2" -13	1,089	1 1/2	1 5/16	1 3/16	2 1/8	1/4"	7/8"	0.36
DC 625	5/8" -11	1,814	1 3/4	1 19/32	1 3/8	2 9/16	1/4"	1 1/8"	0.65
DC 750	3/4" -10	2,268	2	1 23/32	1 1/2	2 13/16	5/16"	1 1/4"	1.00
DC 875	7/8" -9	3,175	2 1/4	2 3/16	1 5/8	3 3/16	3/8"	1 7/16"	1.70
DC1000	1" -8	4,082	2 1/2	2 13/32	1 13/16	3 9/16	13/32"	1 9/16"	2.36
DC1125	1 1/8" -7	5,443	2 3/4	2 23/32	2	4 1/16	15/32"	1 11/16"	3.41
DC1250	1 1/4" -7	6,804	3	2 15/16	2 3/16	4 7/16	1/2"	1 7/8"	4.68
DC1500	1 1/2" -6	9,525	3 1/2	3 7/16	2 1/2	5 3/16	9/16"	2 3/16"	7.77
DC1750	1 3/4" -5	12,700	3 3/4	3 31/32	2 7/8	6	5/8"	2 1/2"	11.35
DC2000	2" -4 1/2	17,236	4	4 1/2	3 1/4	6 7/8	3/4"	2 7/8"	16.70





RESORTES PARA TROQUEL Y MOLDE

RANGO DE DEFORMACION RECOMENDABLE	25% - 35%	20% - 25%	15% - 20%	15% - 17%
COLOR	AZUL	ROJO	DORADO	VERDE
CLAVE + MEDIDA	RA	RR	RD	RV

L	DIA EXT 3/8 DIA INT 3/16	1/2 9/32	5/8 11/32	3/4 3/8	1" 1/2	1 1/4 5/8	1 1/2 3/4	2" 1"
1"	RA 3/8 *1"	RA1/2 *1"	RA 5/8 *1"	RA 3/4 *1"	RA 1" *1"	RA 11/4 *1"	RA 11/2 *1"	RA 2" *1"
1 1/4	RA 3/8 *1 1/4	RA1/2 *1 1/4	RA 5/8 *1 1/4	RA 3/4 *1 1/4	RA 1" *1 1/4	RA 11/4 *1 1/4	RA 11/2 *1 1/4	RA 2" *1 1/4
1 1/2	RA 3/8 *1 1/2	RA1/2 *1 1/2	RA 5/8 *1 1/2	RA 3/4 *1 1/2	RA 1" *1 1/2	RA 11/4 *1 1/2	RA 11/2 *1 1/2	RA 2" *1 1/2
1 3/4	RA 3/8 *1 3/4	RA1/2 *1 3/4	RA 5/8 *1 3/4	RA 3/4 *1 3/4	RA 1" *1 3/4	RA 11/4 *1 3/4	RA 11/2 *1 3/4	RA 2" *1 3/4
2"	RA 3/8 *2"	RA1/2 *2"	RA 5/8 *2"	RA 3/4 *2"	RA 1" *2"	RA 11/4 *2"	RA 11/2 *2"	RA 2" *2"
2 1/4	RA 3/8 *2 1/4	RA1/2 *2 1/4	RA 5/8 *2 1/4	RA 3/4 *2 1/4	RA 1" *2 1/4	RA 11/4 *2 1/4	RA 11/2 *2 1/4	RA 2" *2 1/4
2 1/2	RA 3/8 *2 1/2	RA1/2 *2 1/2	RA 5/8 *2 1/2	RA 3/4 *2 1/2	RA 1" *2 1/2	RA 11/4 *2 1/2	RA 11/2 *2 1/2	RA 2" *2 1/2
2 3/4	RA 3/8 *2 3/4	RA1/2 *2 3/4	RA 5/8 *2 3/4	RA 3/4 *2 3/4	RA 1" *2 3/4	RA 11/4 *2 3/4	RA 11/2 *2 3/4	RA 2" *2 3/4
3"	RA 3/8 *3"	RA1/2 *3"	RA 5/8 *3"	RA 3/4 *3"	RA 1" *3"	RA 11/4 *3"	RA 11/2 *3"	RA 2" *3"
3 1/4	RA 3/8 *3 1/4	RA1/2 *3 1/4	RA 5/8 *3 1/4	RA 3/4 *3 1/4	RA 1" *3 1/4	RA 11/4 *3 1/4	RA 11/2 *3 1/4	RA 2" *3 1/4
3 1/2	RA 3/8 *3 1/2	RA1/2 *3 1/2	RA 5/8 *3 1/2	RA 3/4 *3 1/2	RA 1" *3 1/2	RA 11/4 *3 1/2	RA 11/2 *3 1/2	RA 2" *3 1/2
3 3/4	RA 3/8 *3 3/4	RA1/2 *3 3/4	RA 5/8 *3 3/4	RA 3/4 *3 3/4	RA 1" *3 3/4	RA 11/4 *3 3/4	RA 11/2 *3 3/4	RA 2" *3 3/4
4"	RA 3/8 *4"	RA1/2 *4"	RA 5/8 *4"	RA 3/4 *4"	RA 1" *4"	RA 11/4 *4"	RA 11/2 *4"	RA 2" *4"
4 1/2	RA 3/8 *4 1/2	RA1/2 *4 1/2	RA 5/8 *4 1/2	RA 3/4 *4 1/2	RA 1" *4 1/2	RA 11/4 *4 1/2	RA 11/2 *4 1/2	RA 2" *4 1/2
5"	RA 3/8 *5"	RA1/2 *5"	RA 5/8 *5"	RA 3/4 *5"	RA 1" *5"	RA 11/4 *5"	RA 11/2 *5"	RA 2" *5"
5 1/2	RA 3/8 *5 1/2	RA1/2 *5 1/2	RA 5/8 *5 1/2	RA 3/4 *5 1/2	RA 1" *5 1/2	RA 11/4 *5 1/2	RA 11/2 *5 1/2	RA 2" *5 1/2
6"	RA 3/8 *6"	RA1/2 *6"	RA 5/8 *6"	RA 3/4 *6"	RA 1" *6"	RA 11/4 *6"	RA 11/2 *6"	RA 2" *6"
7"	RA 3/8 *7"	RA1/2 *7"	RA 5/8 *7"	RA 3/4 *7"	RA 1" *7"	RA 11/4 *7"	RA 11/2 *7"	RA 2" *7"
8"	RA 3/8 *8"	RA1/2 *8"	RA 5/8 *8"	RA 3/4 *8"	RA 1" *8"	RA 11/4 *8"	RA 11/2 *8"	RA 2" *8"
9"	RA 3/8 *9"	RA1/2 *9"	RA 5/8 *9"	RA 3/4 *9"	RA 1" *9"	RA 11/4 *9"	RA 11/2 *9"	RA 2" *9"
10"	RA 3/8 *10"	RA1/2 *10"	RA 5/8 *10"	RA 3/4 *10"	RA 1" *10"	RA 11/4 *10"	RA 11/2 *10"	RA 2" *10"
11"	RA 3/8 *11"	RA1/2 *11"	RA 5/8 *11"	RA 3/4 *11"	RA 1" *11"	RA 11/4 *11"	RA 11/2 *11"	RA 2" *11"
12"	RA 3/8 *12"	RA1/2 *12"	RA 5/8 *12"	RA 3/4 *12"	RA 1" *12"	RA 11/4 *12"	RA 11/2 *12"	RA 2" *12"

CONFIRME SUS PEDIDOS COMO EL SIGUIENTE EJEMPLO

CLAVE DESCRIPCION

RA 5/8 *1 RESORTE AZUL 5/8 *1

INDIQUE EL COLOR CONFORME LO INDICA LA TABLA

RA=AZUL RR=ROJO RD=DORADO RV=VERDE

NOTA IMPORTANTE:

FABRICAMOS CUALQUIER TIPO DE RESORTE EN LA MEDIDA QUE USTED LO REQUIERA Y EN LAS DIMENSIONES QUE USTED LO NECESITE



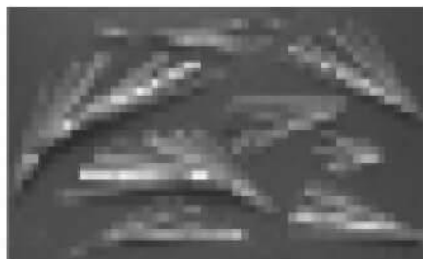
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PIEDRAS DE CERAMICA Y PASTA DE DIAMANTE



PIEDRAS DE CERAMICA

LARGO 100MM	VIOLETA 120	CAFÉ OSCURO 220	CAFÉ 300	NARANJA 400	NEGRO 600	AZUL 800	BLANCO 1000	ROJO 1200
.5 X 4	-----	A-D-0504M	A-L-0504M	A-O-0504M	A-P-0504M	A-B-0504M	A-W-0504M	A-R-0504M
.5 X 6	-----	A-D-0506M	A-L-0506M	A-O-0506M	A-P-0506M	A-B-0506M	A-W-0506M	A-R-0506M
.5 X 10	-----	A-D-0510M	A-L-0510M	A-O-0510M	A-P-0510M	A-B-0510M	A-W-0510M	A-R-0510M
.8 X 4	-----	A-D-0804M	A-L-0804M	A-O-0804M	A-P-0804M	A-B-0804M	A-W-0804M	A-R-0804M
.8 X 6	-----	A-D-0806M	A-L-0806M	A-O-0806M	A-P-0806M	A-B-0806M	A-W-0806M	A-R-0806M
.8 X 10	-----	A-D-0810M	A-L-0810M	A-O-0810M	A-P-0810M	A-B-0810M	A-W-0810M	A-R-0810M
1 X 2	A-V-1002M	A-D-1002M	A-L-1002M	A-O-1002M	A-P-1002M	A-B-1002M	A-W-1002M	A-R-1002M
1 X 4	A-V-1004M	A-D-1004M	A-L-1004M	A-O-1004M	A-P-1004M	A-B-1004M	A-W-1004M	A-R-1004M
1 X 6	A-V-1006M	A-D-1006M	A-L-1006M	A-O-1006M	A-P-1006M	A-B-1006M	A-W-1006M	A-R-1006M
1 X 8	A-V-1008M	A-D-1008M	A-L-1008M	A-O-1008M	A-P-1008M	A-B-1008M	A-W-1008M	A-R-1008M
1 X 10	A-V-1010M	A-D-1010M	A-L-1010M	A-O-1010M	A-P-1010M	A-B-1010M	A-W-1010M	A-R-1010M
3 MM	P-V-30M	P-M-30M	P-L-30M	P-O-30M	P-P-30M	P-B-30M	P-W-30M	P-R-30M



Presentación 10 y 20 grs.

CÓMO ORDENAR:

Seleccione No. de Parte más -
Presentación en 10 o 20gms.
Ejemplo: MDP3-20

PASTA DE DIAMANTE

MICRONES	CLAVE	APLICACIÓN
1	DC AC 1 (marfil)	Acabado espejo para moldes de productos de grado óptico (transparente)
3	DC AC 3 (amarillo)	Acabado espejo para moldes de piezas de plástico translúcidas
6	DC AC 6 (naranja)	Acabado fina para la mayoría de los moldes de plástico
9	DC AC 9 (verde)	Pulido intermedio para moldes de plástico y acabado final para moldes de inyección de metal
15	DC AC 15 (azul)	
30	DC AC 30 (rojo)	Pulido preliminar para moldes de inyección de plástico de metal
45	DC AC 45 (café)	
60	DC AC 60 (blanco)	Desbaste rápido