2020

FORJADORES HERREROS Y FUNDIDORES DE MÉXICO

ALGUNAS HERRAMIENTAS PARA LA PRÁCTICA DE LA HERRERÍA

GRUDISA

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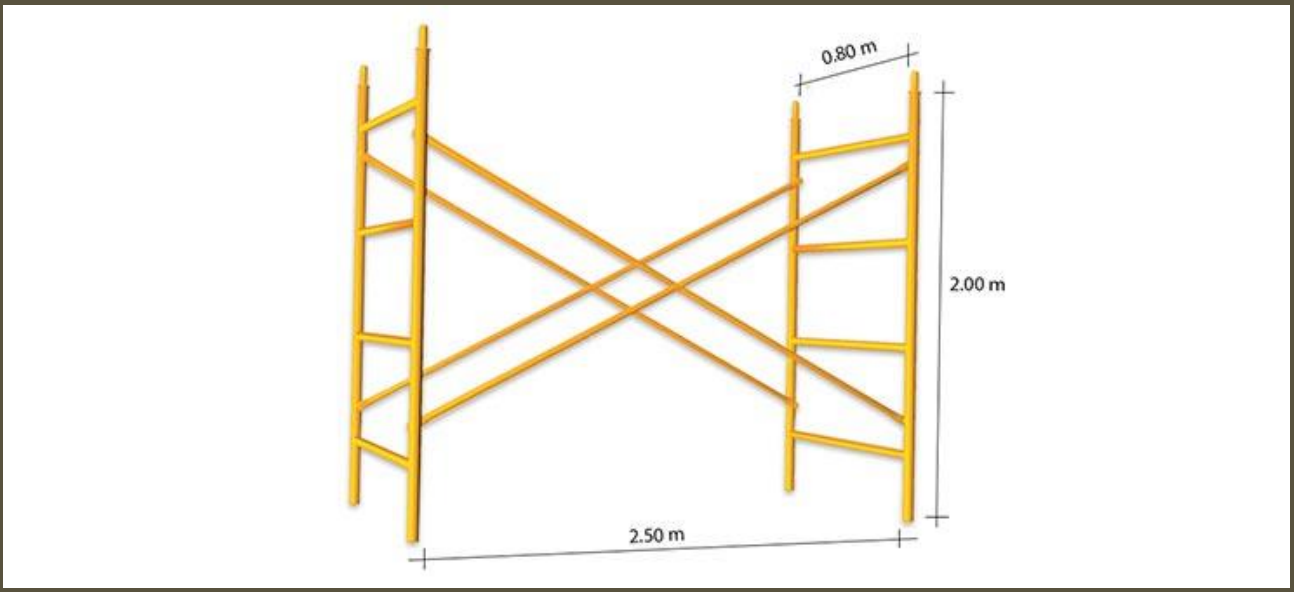
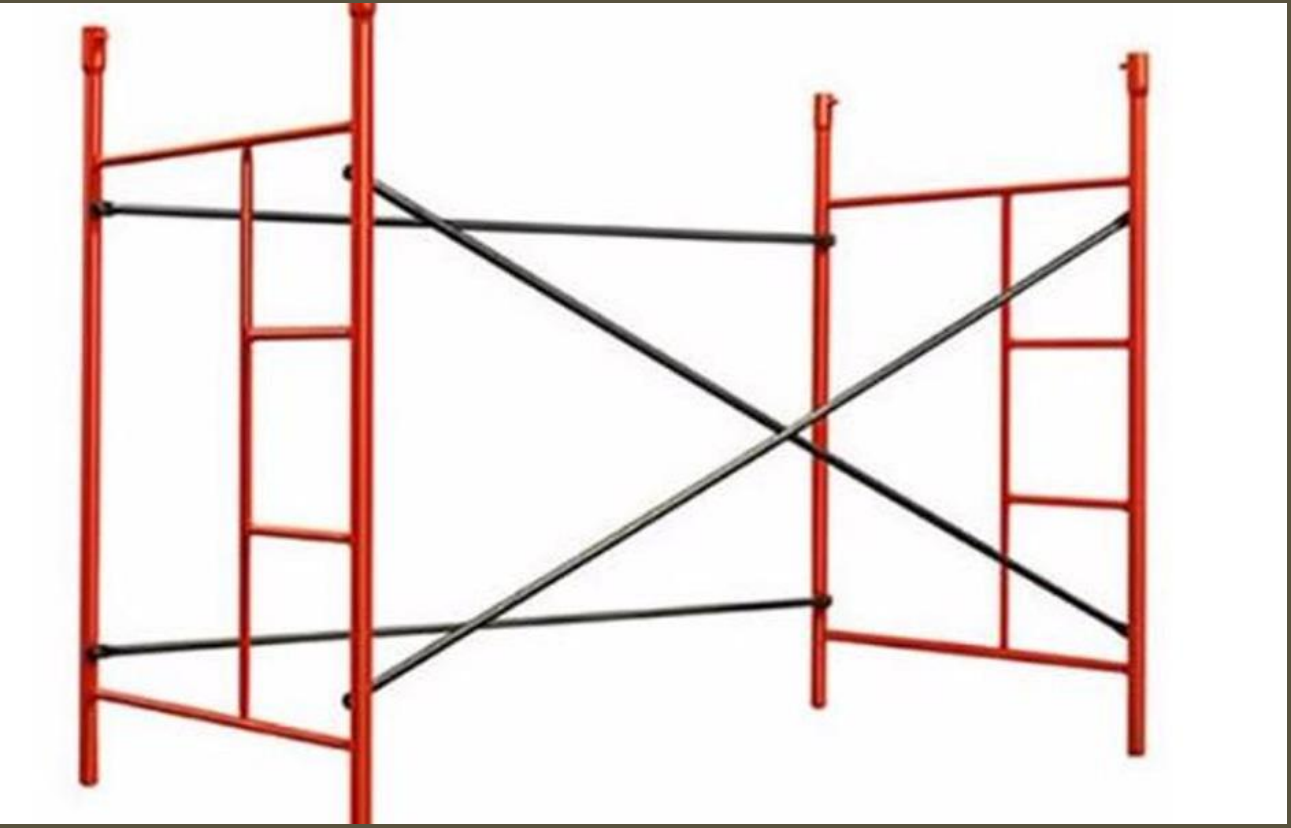
ACEITERAS

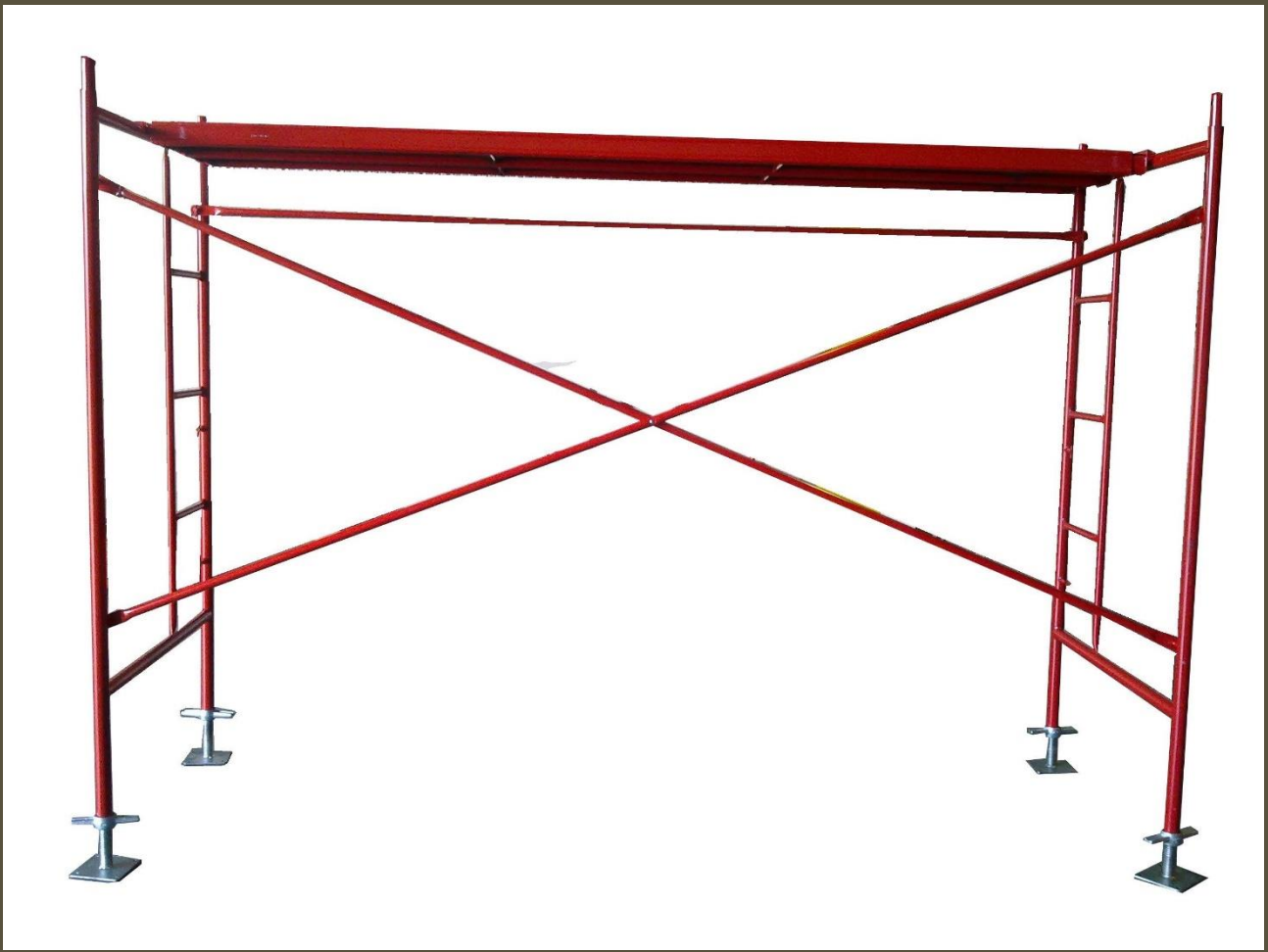
PRESSOL
No. 05 135
500 ml
PRESSOL Schmiergeräte GmbH
Parkstraße 7 · 93167 Falkenstein | Germany
www.pressol.com

ALICATE PARA FORJA

ANDAMIOS


0.80 m
2.00 m
2.50 m





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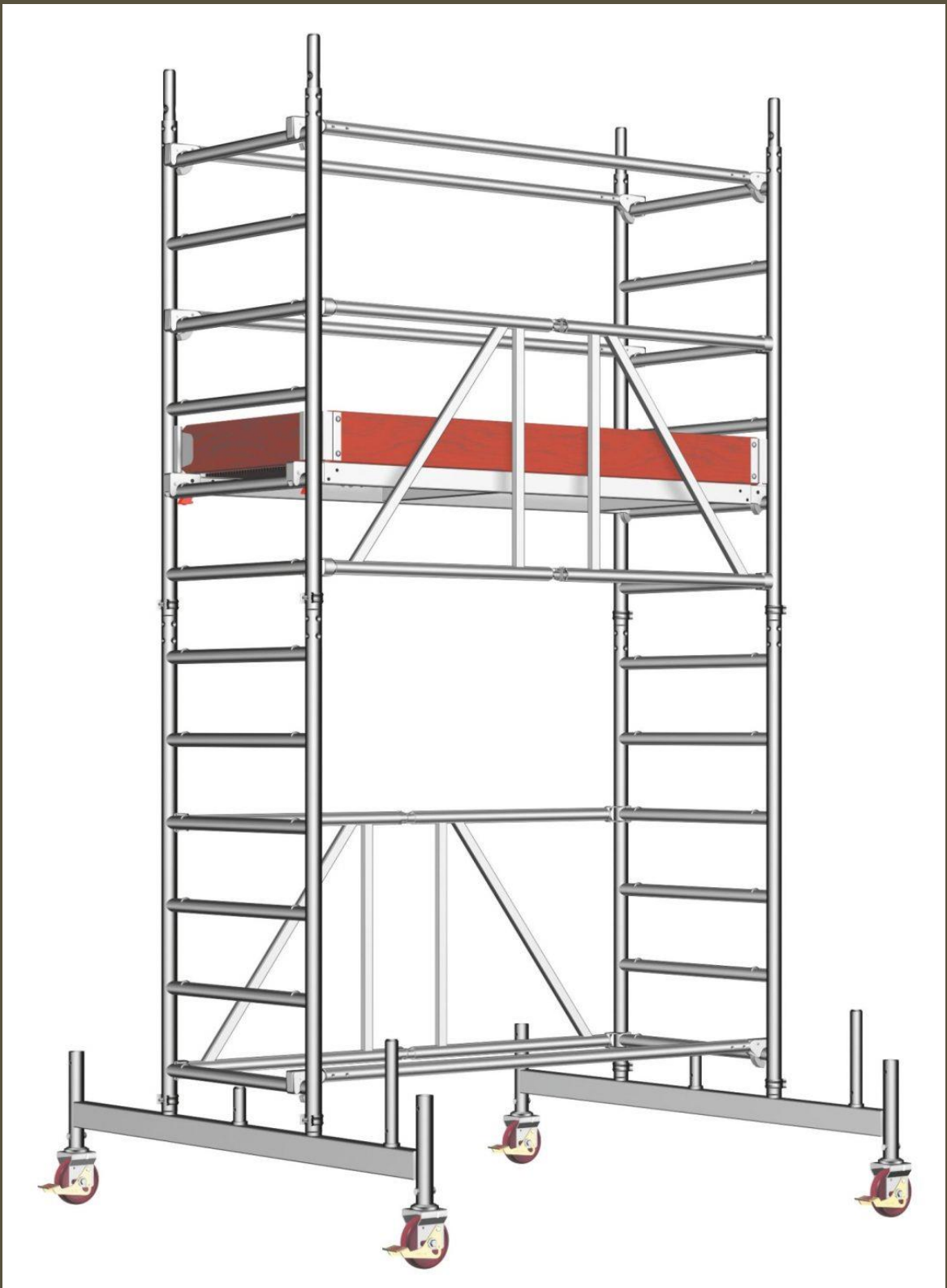

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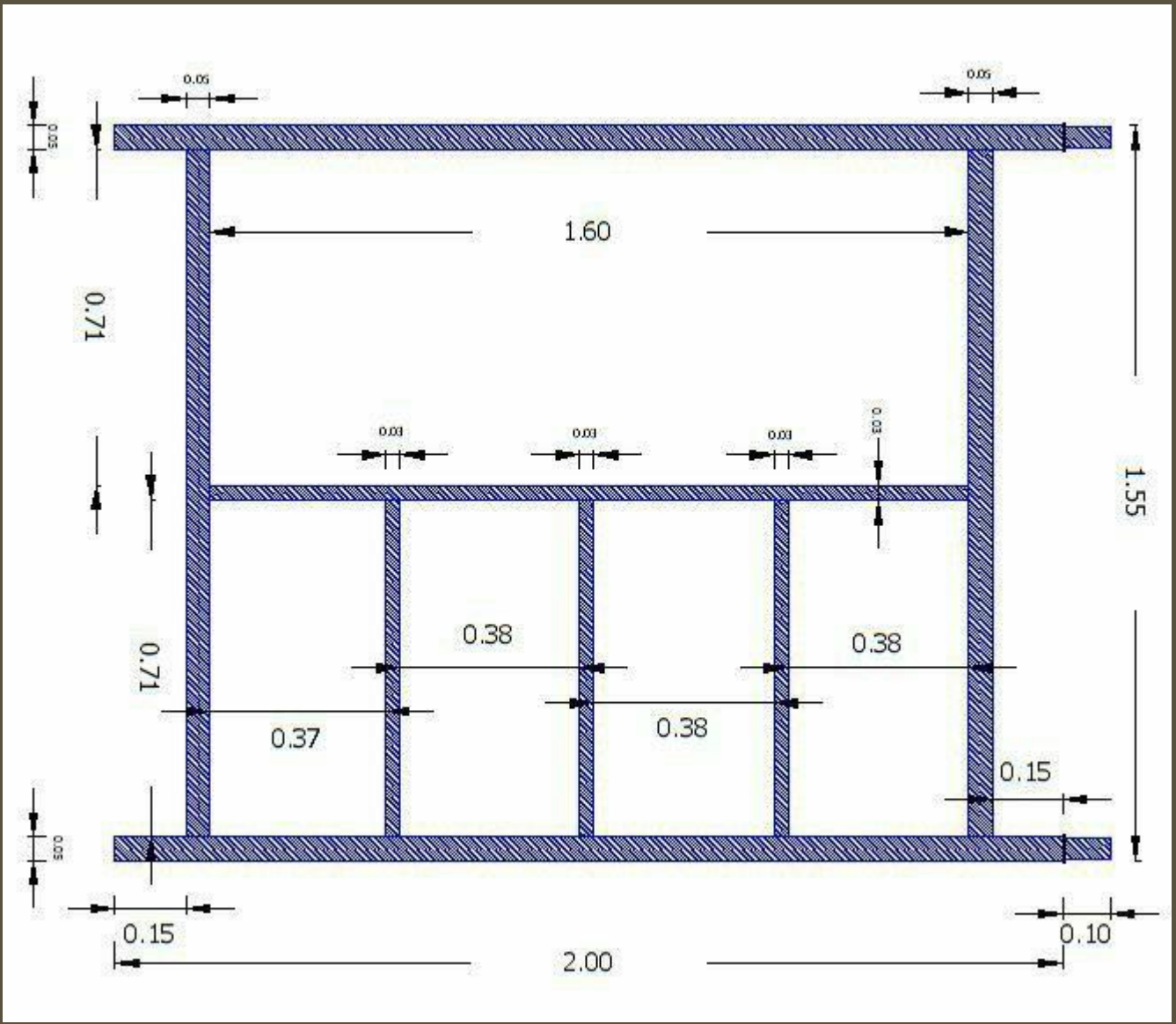
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/


0.05
0.05
0.05
1.60
0.71
0.03
0.03
0.03
0.03
1.55
0.38
0.38
0.71
0.37
0.38
0.15
0.05
0.15
0.10
2.00

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

Mide 130 de alto
60 de ancho
Y se desplega a 120
tubo de 3\4 cedula 30
Y la bisagra de 1
pulgada igual cedula 30

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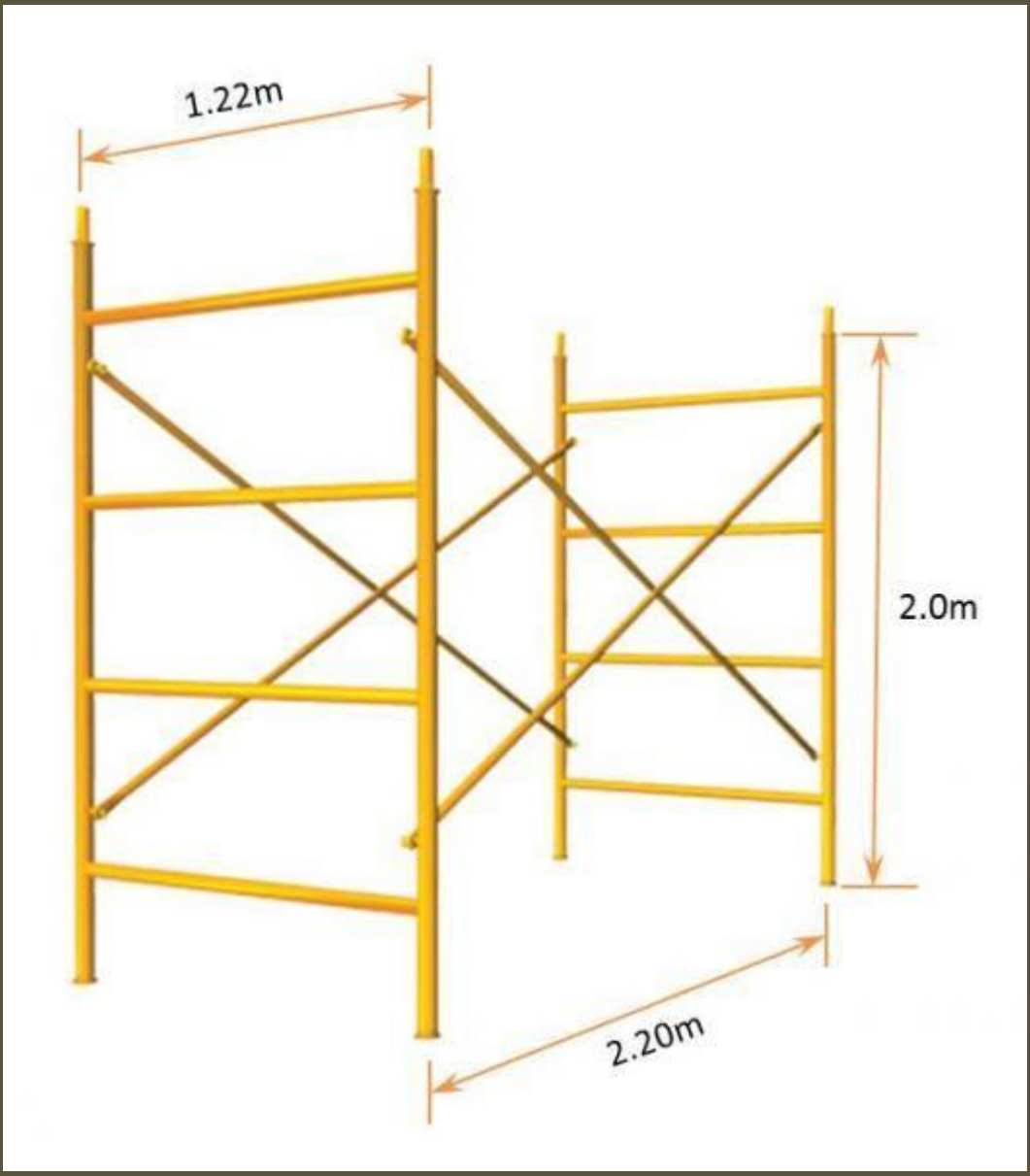
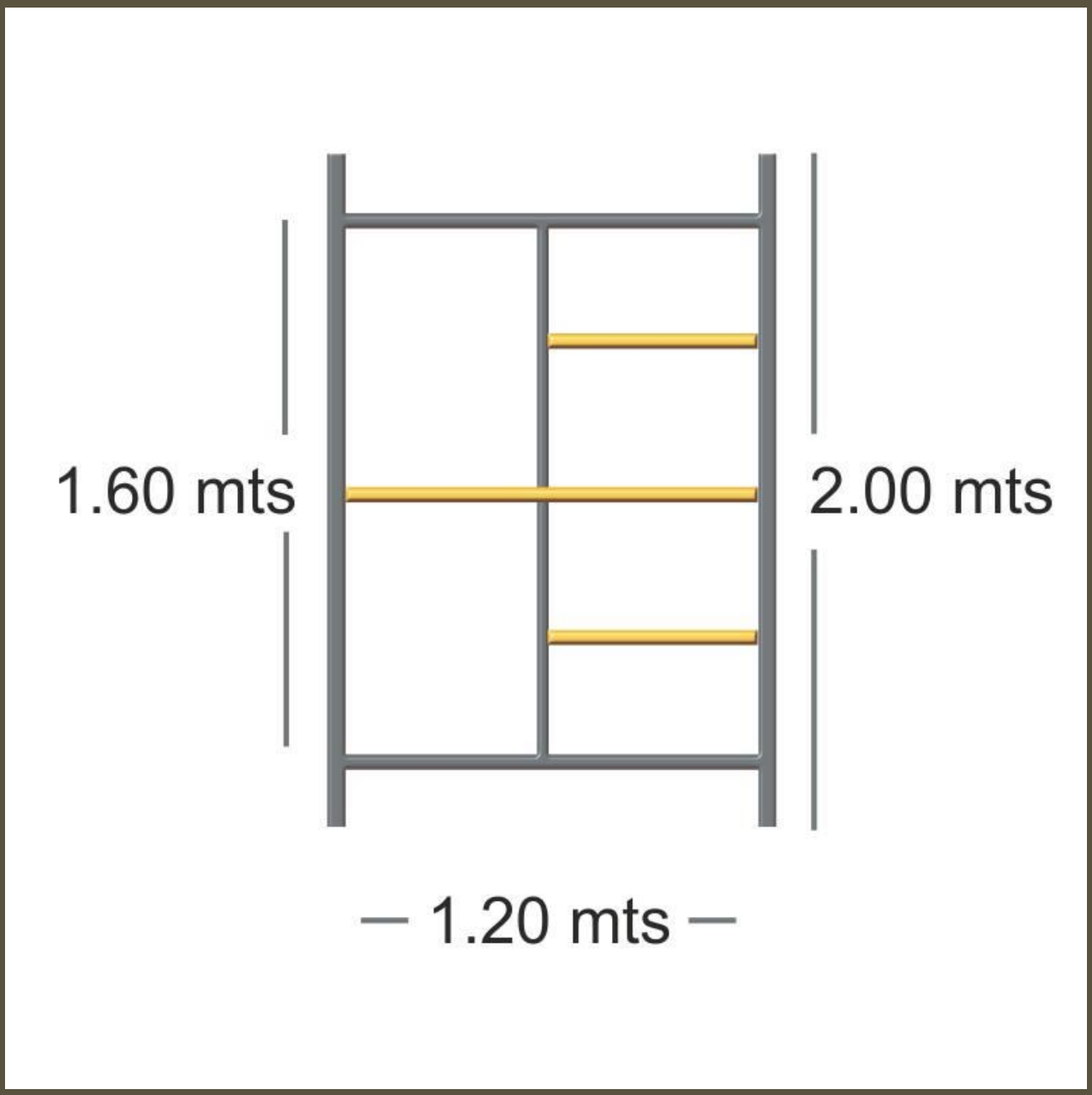

1.22m
2.0m
2.20m


1.60 mts
2.00 mts
1.20 mts

ARCO PARA SEGUETA

HECORT
INFINITY

TRUPER
TRUPER

LENOX
LENOX
MEDIUM METAL
MADE IN USA
BiMetal

AYUDANTES

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

BROCAS

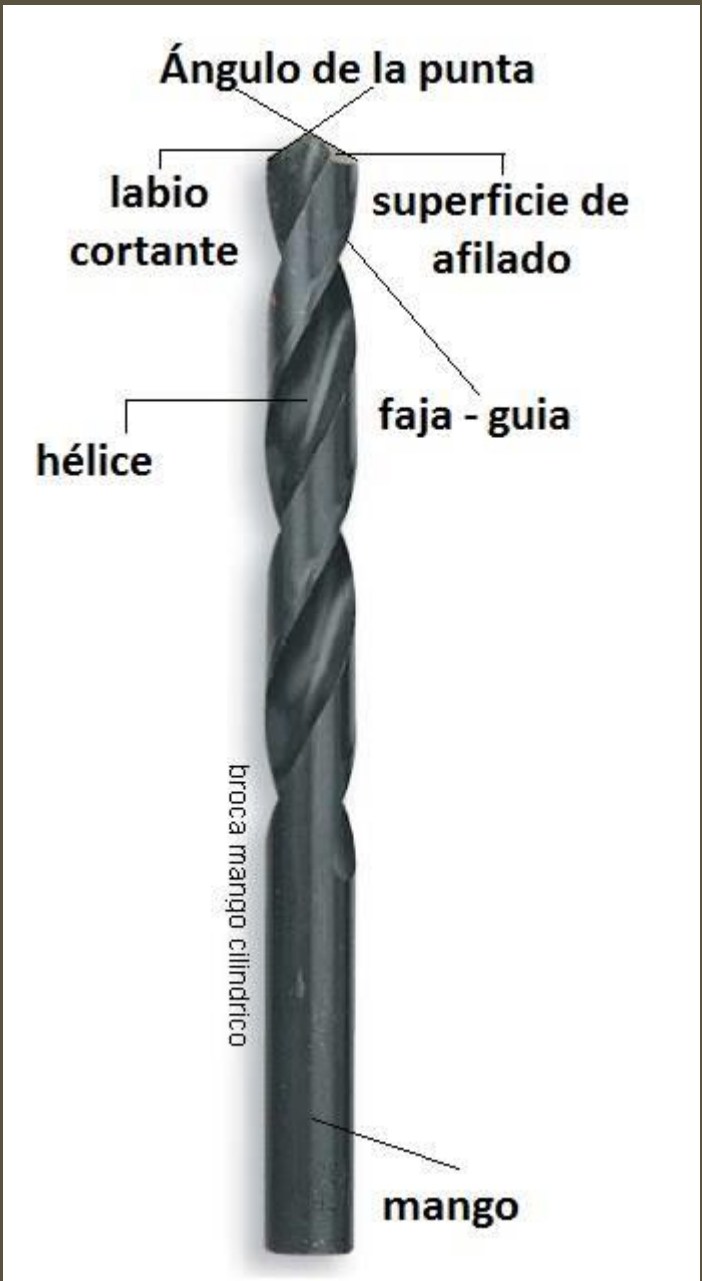
3/16
1/4
5/16
3/8
7/16
1/2
1/4
5/16
3/8
7/16
1/2
9/16
5/8
11/16
3/4
7/32
1/4
9/32
5/16
11/32
3/8
13/32
7/16
15/32
1/2

1/8"
3/16"
1/4"
CHINA
5/16"
CHINA
3/8"
CHINA
1/2"
CHINA

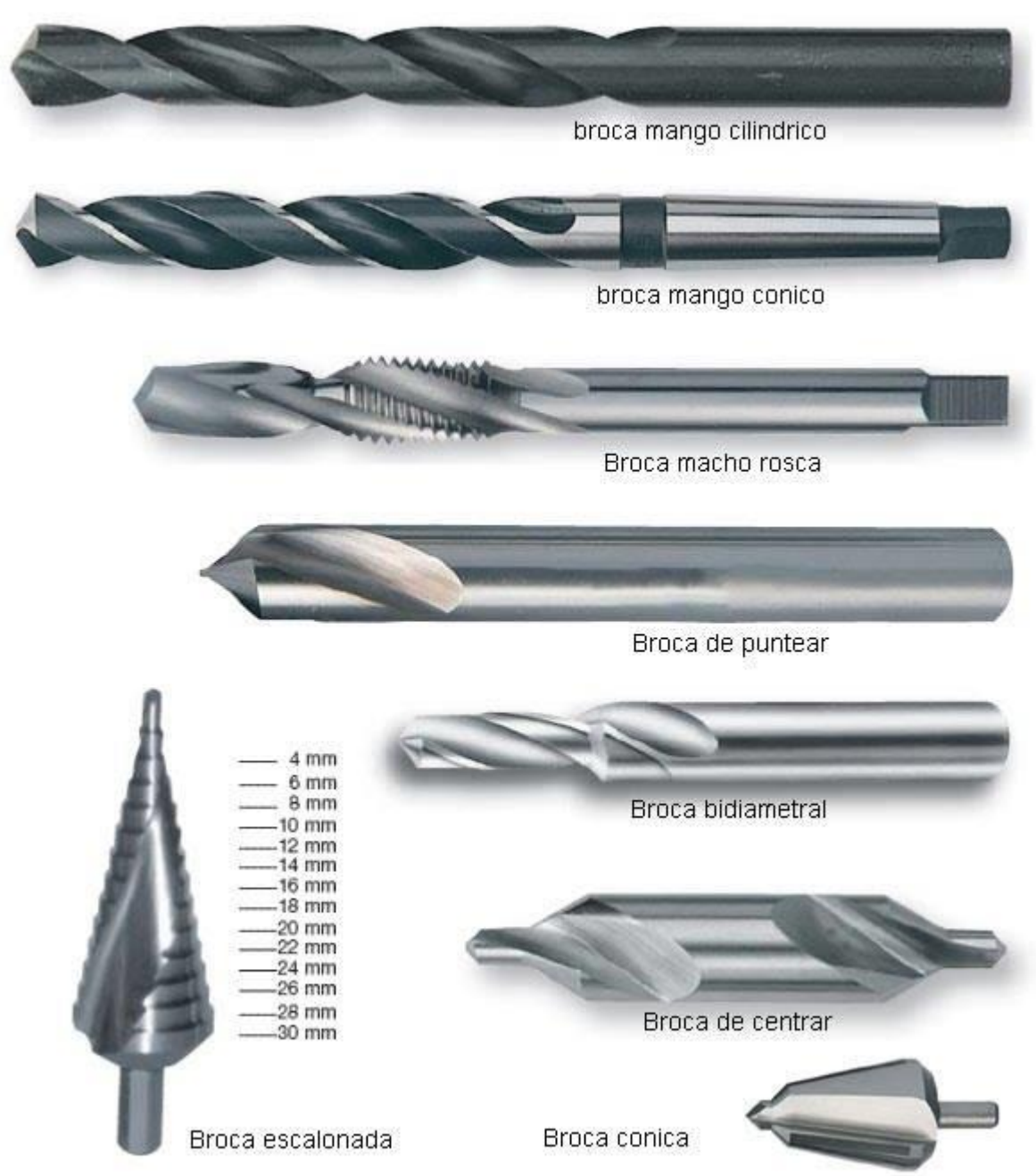
10#
#8

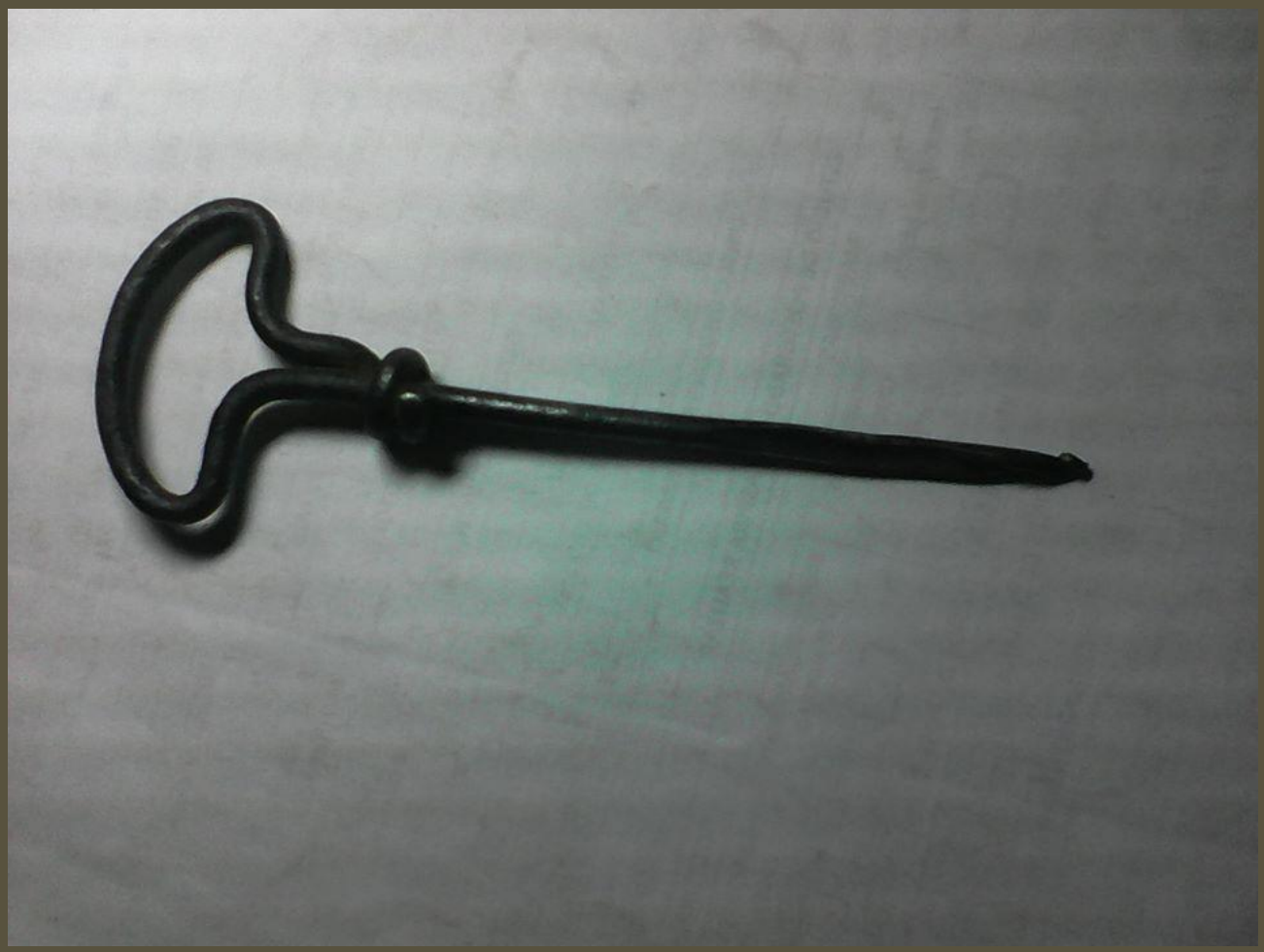
SKU 300518

SILVERLINE


Ángulo de la punta
labio cortante
superficie de afilado
faja - guia
hélice
broca mango cilíndrico
mango

Brocas para madera


broca mango cilindrico
broca mango conico
Broca macho rosca
Broca de puntear
Broca bidiametral
Broca de centrar
Broca conica
Broca escalonada
4 mm
6 mm
8 mm
10 mm
12 mm
14 mm
16 mm
18 mm
20 mm
22 mm
24 mm
26 mm
28 mm
30 mm



Información Técnica

TABLA DE REVOLUCIONES POR MINUTO (R.P.M.) SEGUN Ø BROCA Y VELOCIDAD DE CORTE (Vc)

VDAD. CORTE	Ø BROCA Y REVOLUCIONES POR MINUTO																
m/min.	2	2,5	3	4	5	6,5	8	10	13	16	20	25	30	40	50	63	80
3	477	382	318	238	190	147	119	95	73	60	48	38	32	24	19	15	12
5	796	636	530	398	318	245	198	159	122	99	80	64	53	40	32	25	20
8	1.273	1.018	848	636	509	392	318	254	195	159	127	102	85	64	50	40	32
10	1.592	1.273	1.061	795	636	490	398	318	245	199	159	127	106	80	64	50	40
12	1.910	1.528	1.273	955	764	588	477	382	294	238	190	152	127	95	76	60	48
15	2.387	1.910	1.592	1.194	955	735	596	477	367	298	138	190	159	119	95	75	60
20	3.183	2.546	2.122	1.592	1.273	979	795	636	490	398	318	255	212	159	127	101	80
25	3.979	3.183	2.652	1.989	1.592	1224	995	795	612	497	398	318	265	198	159	126	99
30	4.775	3.820	3.183	2.387	1.910	1469	1.194	995	735	596	477	382	318	238	190	151	119
35	5.570	4.456	3.714	2.785	2.228	1.714	1.393	1.114	857	696	557	445	371	278	222	176	139
40	6.366	5.092	4.245	3.183	2.456	1958	1.592	1.273	979	795	636	509	424	318	255	202	159
45	7.162	5.730	4.775	3.581	2.865	2.204	1.790	1.432	1.102	895	716	572	477	358	286	227	179
50	7.958	6.366	5.305	3.978	3.183	2.448	1.990	1.592	1.224	995	795	636	530	398	318	252	198
55	8.754	7.002	5.836	4.376	3.501	2.693	2.188	1.750	1.346	1.094	875	700	584	438	350	277	218
60	9.550	7.639	6.366	4.775	3.820	2.938	2.388	1.910	1.469	1.194	955	764	636	477	382	303	238
70	11.142	8.912	7.428	5.570	4.456	3.428	2.785	2.228	1.714	1.392	1.114	891	742	557	445	354	278
75	11.937	9.549	7.958	5.968	4.775	3.672	2.981	2.387	1.836	1.492	1.194	955	795	596	477	378	298
80	12.732	10.185	8.488	6.366	5.092	3.918	3.183	2.546	1.958	1.592	1.273	1.018	848	636	509	404	318
90	14.324	11.459	9.550	7.162	5.730	4.407	1.581	2.865	2.204	1.790	1.432	1.145	955	716	572	455	358
100	15.915	12.732	10.611	7.958	6.366	4.897	3.978	3.183	2.448	1.989	1.592	1.273	1.061	795	636	505	398

FÓRMULAS DE CONVERSIÓN

$$R.P.M = \frac{Vc \times 1.000}{Ø \times \div}$$

$$Vc. = \frac{R.P.M. \times Ø \times \div}{1.000}$$

R.P.M. = REVOLUCIONES POR MINUTO
Vc. = VELOCIDAD CORTE EN METROS/MINUTO
Ø = DIÁMETRO DE LA BROCA
÷ = 3,1416

EJEMPLO:

Material a taladrar: FUNDICIÓN GRIS
Ø Broca: 10 Vc: 20 m/min.

$$R.P.M. = \frac{20 \times 1.000}{10 \times 3,1416} = 637$$

CABLES PARA PORTAELECTRODO

Y TIERRA FÍSICA

Cables Recomendados para el Portaelectrodo y Conexión a Tierra

Fuente de energia		Cable AWG para el tramo combinado de cables del portaelectrodo y tierra				
Intensidad (A)	Ciclo de trabajo % / 10'	0 a 15 m	15 a 30m	30 a 46m	46 a 61m	61 a 76m
100	20	6	4	3	2	1
180	20-30	4	4	3	2	1
200	60	2	2	2	1	1/0
200	50	3	3	2	1	1/0
250	30	3	1/0	2	1	1/0
300	60	1/0	2/0	1/0	2/0	3/0
400	60	2/0	2/0	2/0	3/0	4/0
500	60	2/0	2/0	3/0	3/0	4/0
600	60	2/0	2/0	3/0	4/0	*

DIÁMETRO Y CAPACIDAD DE LOS CABLES

Número AWG	Diámetro (mm)	Sección (mm2)	Capacidad (A)
4/0	11,86	107,2	319
3/0	10,4	85,3	240
2/0	9,226	67,43	190
0	8,252	53,48	150
1	7,348	42,41	120
2	6,544	33,63	96
3	5,827	26,67	78
4	5,189	21,15	60
5	4,621	16,77	48
6	4,115	13,3	38
7	3,665	10,55	30

Amperaje que soportan los cables de cobre

Nivel de temperatura:	60°C	75°C	90°C
Tipo de aislante:	TW	RHW, THW, THWN	THHN, XHHW-2, THWN-2
Medida / calibre del cable	Amperaje soportado		
14 AWG	15 A	15 A	15 A
12 AWG	20 A	20 A	20 A
10 AWG	30 A	30 A	30 A
8 AWG	40 A	50 A	55 A
6 AWG	55 A	65 A	75 A
4 AWG	70 A	85 A	95 A
3 AWG	85 A	100 A	115 A
2 AWG	95 A	115 A	130 A
1 AWG	110 A	130 A	145 A
1/0 AWG	125 A	150 A	170 A
2/0 AWG	145 A	175 A	195 A
3/0 AWG	165 A	200 A	225 A
4/0 AWG	195 A	230 A	260 A

60°C	
SPT	
Medida / calibre del cable	Amperaje soportado
20 AWG	2 A
18 AWG	10 A
16 AWG	13 A
14 AWG	18 A
12 AWG	25 A

CAJA PARA HERRAMIENTA

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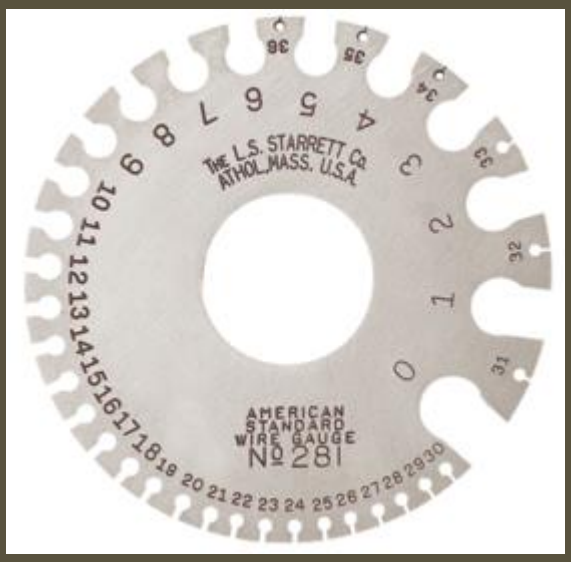
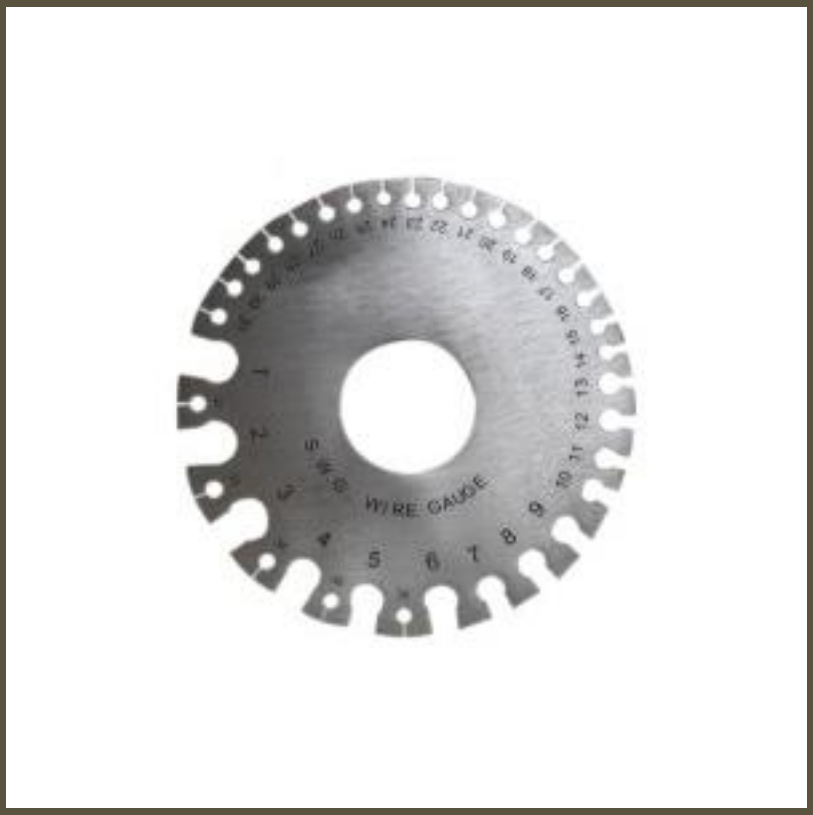
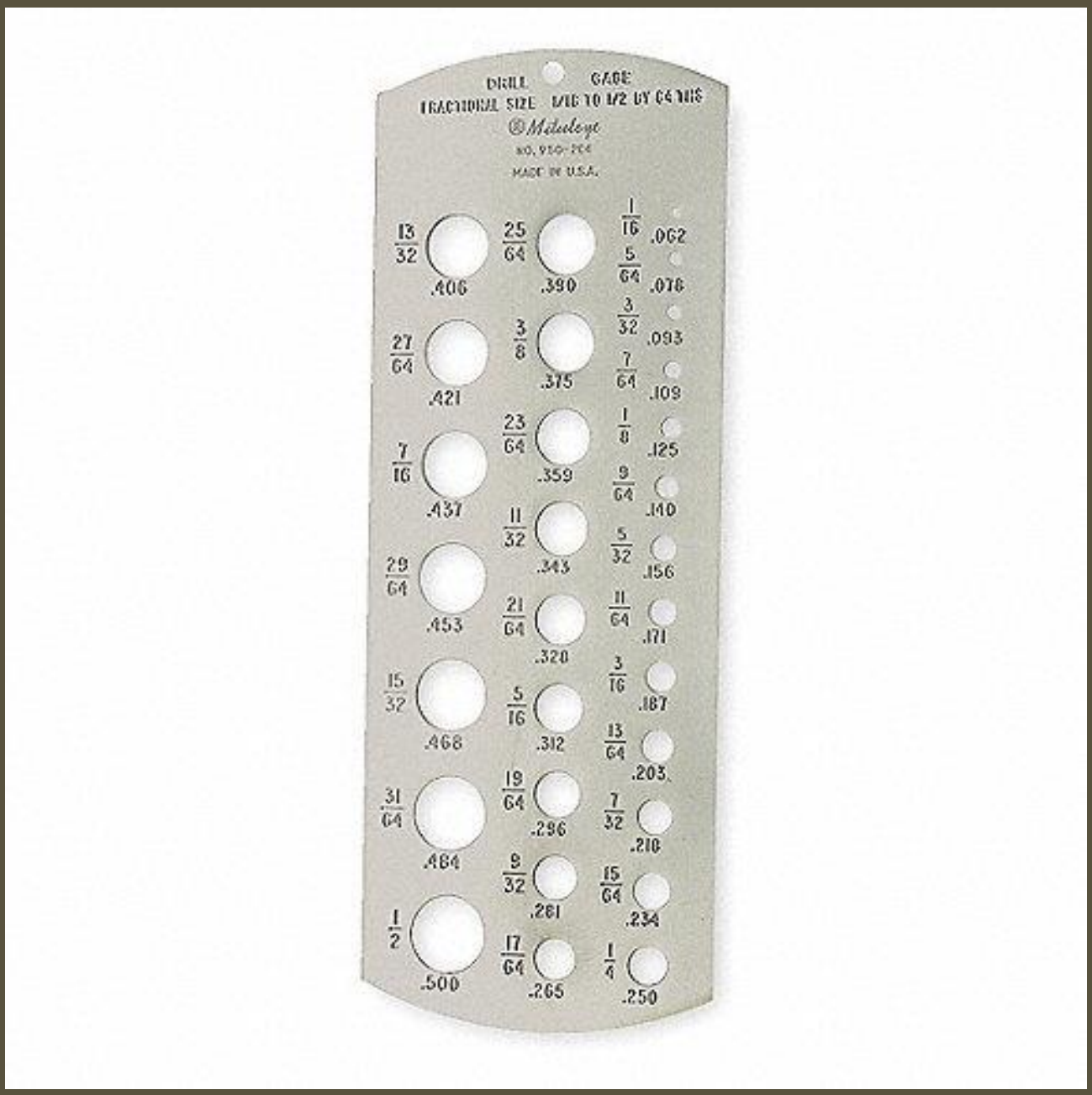
DEWALT
DEWALT
DEWALT

CALIBRADORES


THE L.S. STARRETT Co.
ATHOL, MASS. U.S.A.
AMERICAN
STANDARD
WIRE GAUGE
Nº 281


WIRE GAUGE

24GA.(.0239)
22GA.(.0299)
20GA.(.0359)
18GA.(.0478)
16GA.(.0598)
14GA.(.0747)
1/8" (.125)
10GA.(.1345)
3/16" (.1875)
1/4" (.250)
5/16" (.3125)
.024"
.030"
.035"
1
2


DRILL GAGE
FRACTIONAL SIZE 1/16 TO 1/2 BY 64 THS
Midwaloyt
MADE IN U.S.A.
13/32 .406
25/64 .390
1/16 .062
5/64 .078
3/32 .093
27/64 .421
3/8 .375
7/64 .109
23/64 .359
1/8 .125
7/16 .437
9/64 .140
11/32 .343
5/32 .156
29/64 .453
21/64 .328
11/64 .171
3/16 .187
15/32 .468
5/16 .312
13/64 .203
19/64 .296
7/32 .218
31/64 .484
9/32 .281
15/64 .234
1/2 .500
17/64 .265
1/4 .250

CARETAS

CRAFTSMAN

Oakland

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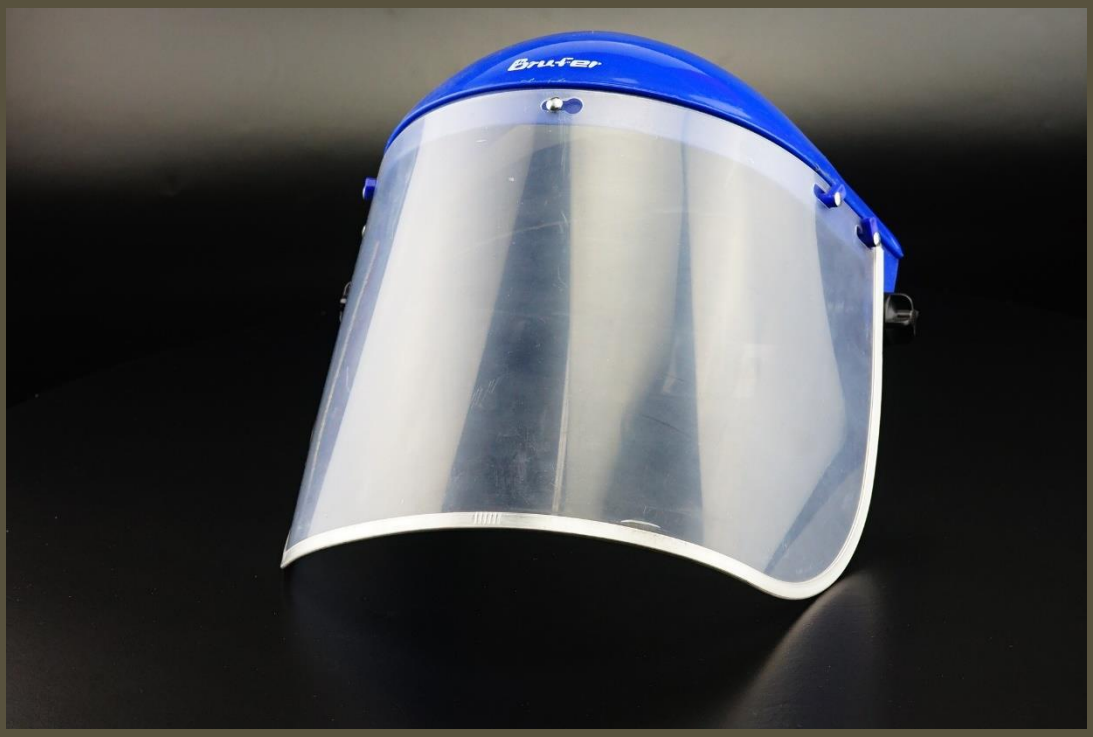

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CATÁLOGO DE COLORES

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

CEPILLO DE ALAMBRE

OSBORN

CINCEL

86 A 1/2 — URRER

BULLET

COMPÁS

COMPRESORA

TUCSON
OOLS
20GLB0901130408
AIR COMPRESSOR

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

90
60
120
150
6
4
10
2
12
0
kg/cm²

CORTADORA DE LÁMINA (CIZALLA)

CINCINNATI

makita

MFG CO
ATLANTA GA

CORTADORA DE METAL (SENSITIVA)

metabo

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

DEWALT

PEMEX

DAMERO o CHANCHA

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

DESARMADOR

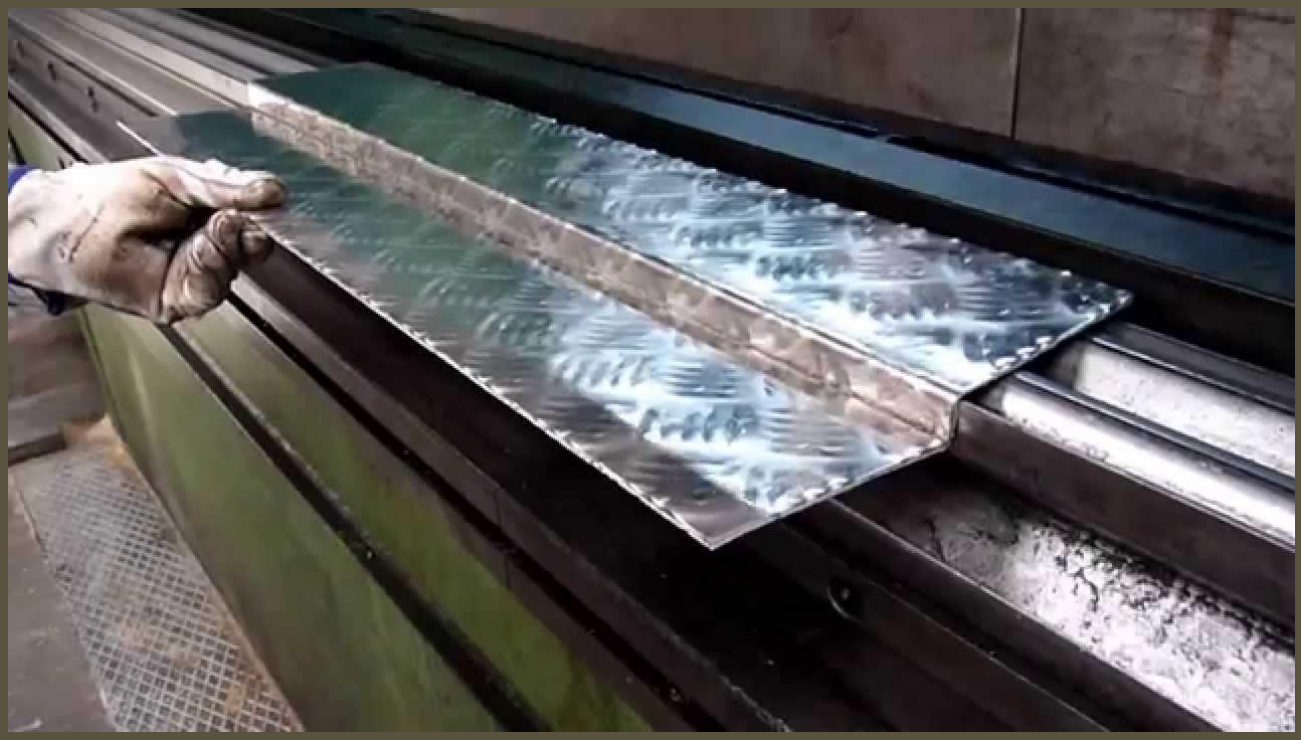
Milwaukee
Milwaukee

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

DOBLADORA DE ESNEIDER

DOBLADORA DE LÁMINA

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



DOBLADORA DE PERFIL

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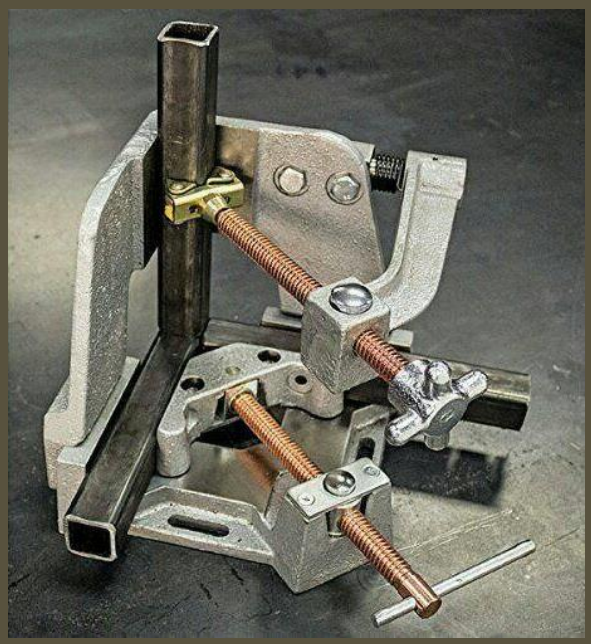
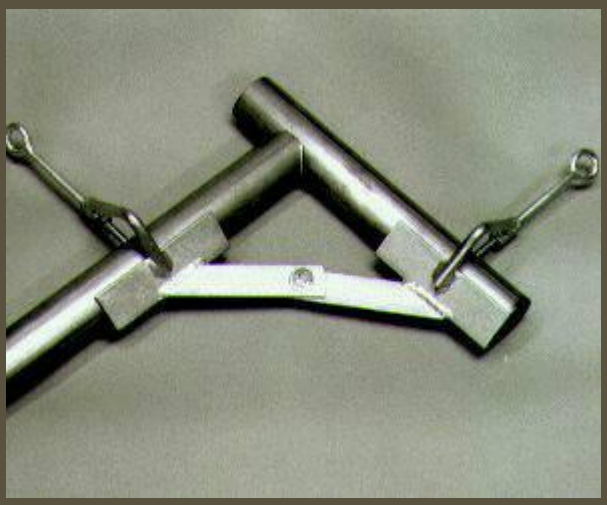
MATRICOLA
USARE LA CONTROFORMA
USARE IL RULLO
AVVERTENZE

EJE DE 3 PUNTOS



08/12/2012



ENGRASADORA

WÜRTH
Hochdruck – Gummipanzerschlauch DIN 1283
High Pressure Armoured Rubber Hose 1 HJ 16
Working Pressure 40 MPa / Burst Pressure 165 MPa

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

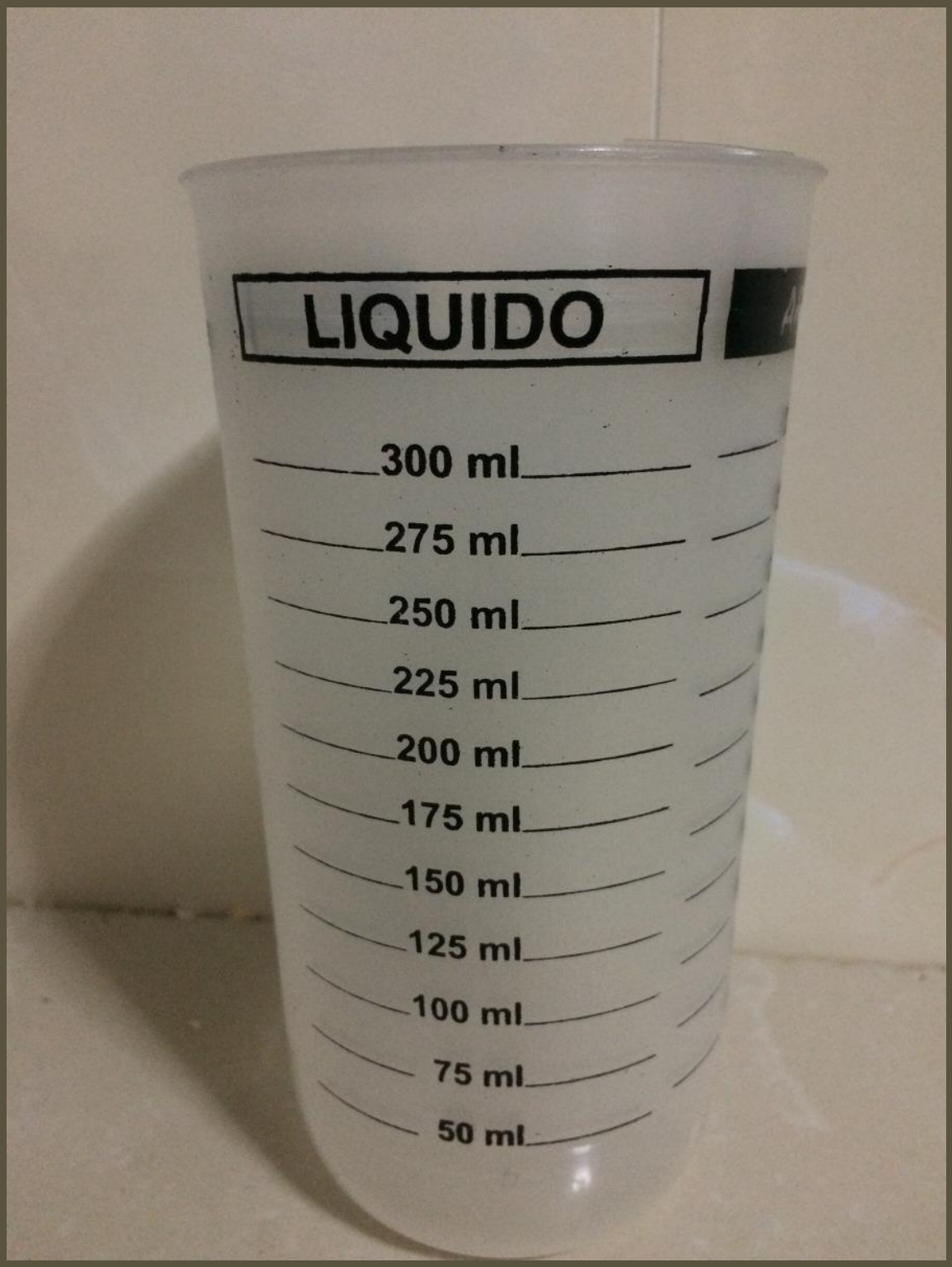
EQUIPO DE MEDICIÓN

100 kPa
psi
ACETYLENE
USE
50
10
5
30
200
psi
kPa
12000
8000
16000
4000
20000
0
24000
28000
2000
1000
OXYGEN
USE
3000
4000
psi
KPa

USE NO OIL
Lb/in²
kg/cm²
ACETYLENE
WELDTECH MODEL:
2001104
MAX. INLET:
350 psig(2400 kpa)
CAUTION: READ
INSTRUCTIONS BEFORE USE
weldtech

DCV
1000
OFF
750
ACV
200
200
20
DCA
200µ
2000m
2000µ
200m
20m
200m
2000k
200k
10A
20k
2000
Ω
200
hFE
NPN
PNP
CE
10Amax
unfused
10ADC
VΩmA
750VAC
1000VDC
200mAmax
COM
500Vmax
DT-830B
DIGITAL
MULTIMETER

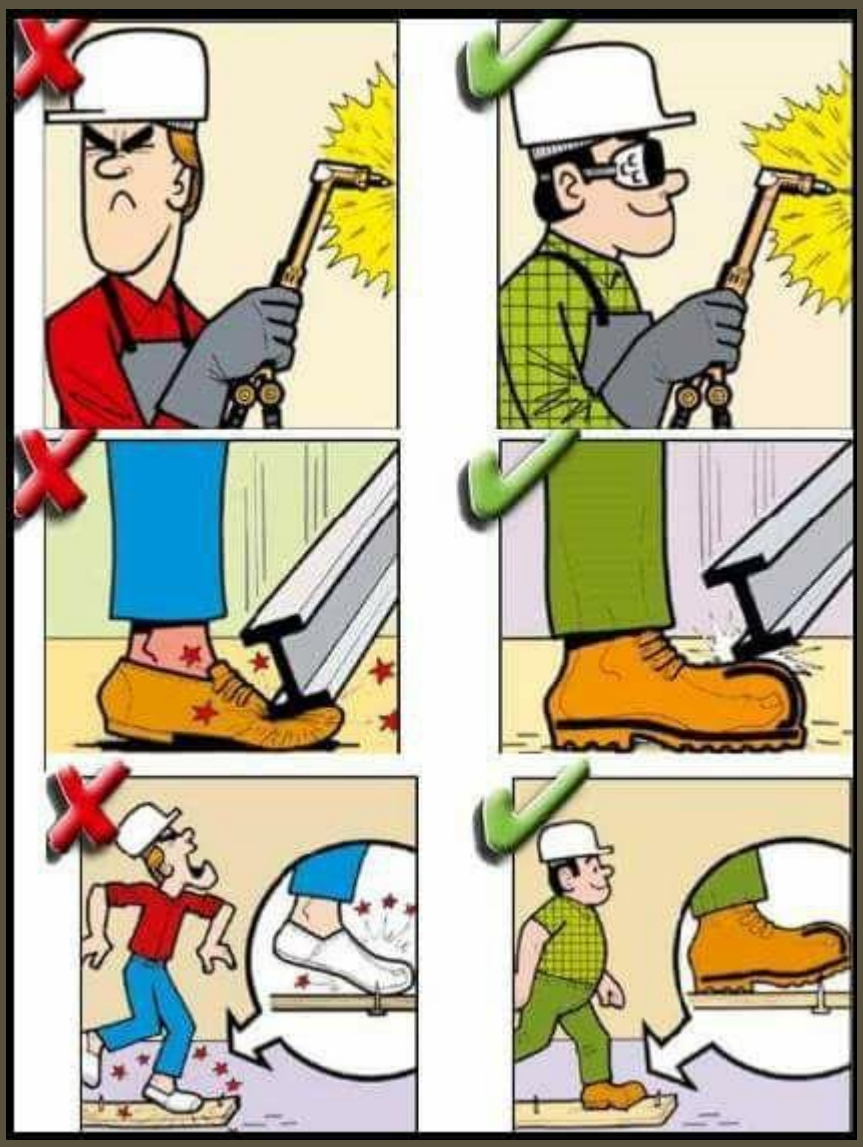
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/


LIQUIDO
300 ml
275 ml
250 ml
225 ml
200 ml
175 ml
150 ml
125 ml
100 ml
75 ml
50 ml

EQUIPO DE SEGURIDAD

NECC 5
NORMA ESTANDAR
CODIGO DE COLORES
APLICACION PRACTICA
DE COLORES DE CONTROL
DE RIESGOS
NORMA
ESTANDAR
DE COLORES Y ETIQUETAS
PARA LA IDENTIFICACION
DE VOLTAJES
ELECTRICOS
PELIGRO
480 VOLTS.
PELIGRO
13800 VOLTS.
110 VOLTS.
PELIGRO
380 VOLTS.
PELIGRO
4160 VOLTS.
PELIGRO
110 VOLTS.
PELIGRO
2400 VOLTS.
PELIGRO
5000 VOLTS.
PELIGRO
500 VOLTS.
CODELCO CHILE
CHUQUICAMATA

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



A PARTIR DE ESTE PUNTO
EQUIPO DE SEGURIDAD
OBLIGATORIO
CASCO
ZAPATOS
LENTES
TAPONES

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

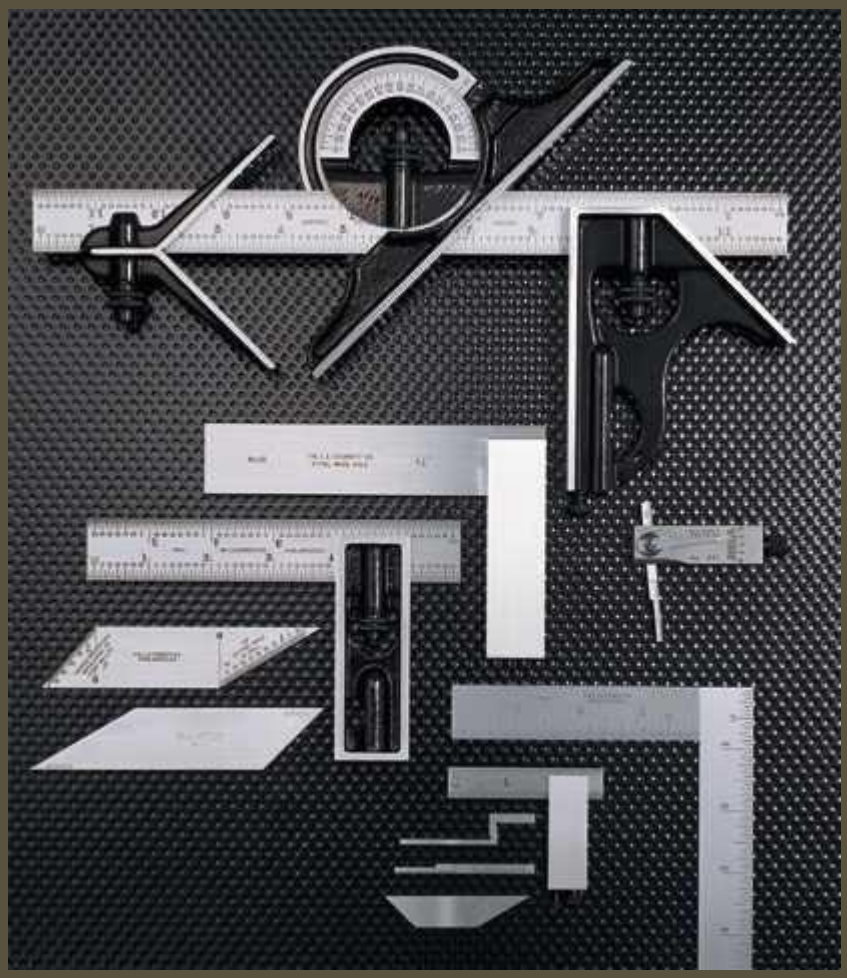
ESCALERAS

LOUISVILLE
LOUISVILLE

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

ESCUADRAS

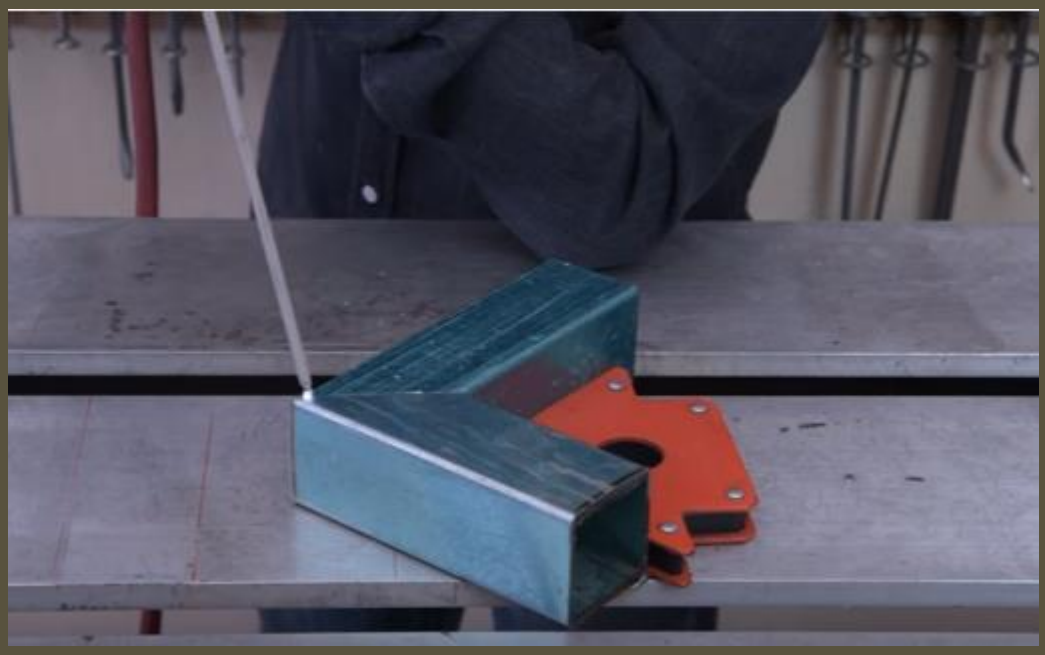
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



Empire
7"
RAFTER SQUARE
BUY ONE GET ONE
FREE
MADE IN USA

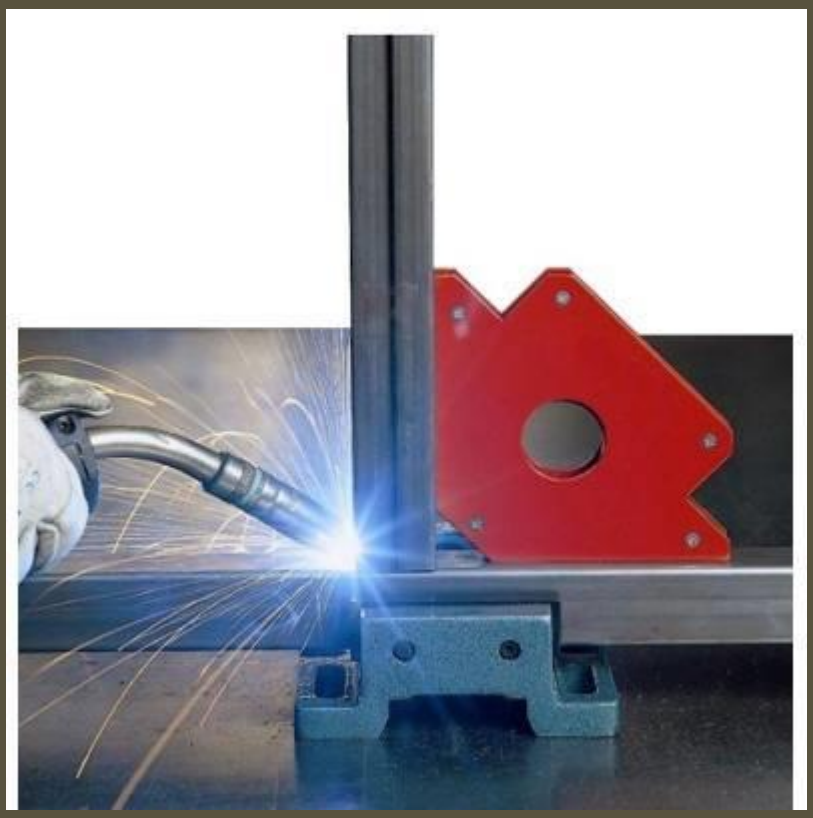
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

ESCUADRAS MAGNÉTICAS

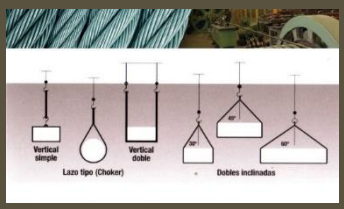


PINER

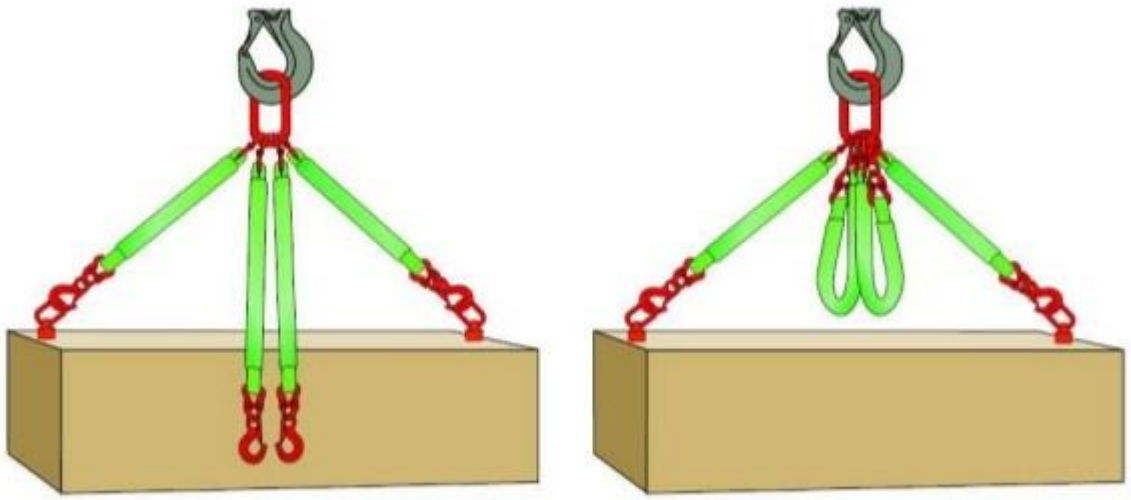
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



ESLINGAS


Vertical simple
Vertical doble
Lazo tipo (Choker)
Dobles inclinadas

Los ganchos vacíos deben estar unidos al anillo de carga con el fin de evitar accidentes.



prohibido **permitido**

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

Carga en %		100 %	200 %	140 %	80 %	100 %
C.M.U	Colores			de 7º a 45º		de 45º a 60º
1 T	Lila	1.000	2.000	1.400	800	1.000
2 T	Verde	2.000	4.000	2.800	1.600	2.000
3 T	Amarillo	3.000	6.000	4.200	2.400	3.000
4 T	Gris	4.000	8.000	5.600	3.200	4.000
5 T	Rojo	5.000	10.000	7.000	4.000	5.000
6 T	Marrón	6.000	12.000	8.400	4.800	6.000
8 T	Azul	8.000	16.000	11.200	6.400	8.000
10 T	Naranja	10.000	20.000	14.000	8.000	10.000
15 T	Naranja	15.000	30.000	21.000	12.000	15.000
25 T	Naranja	25.000	50.000	35.000	20.000	25.000
30 T	Naranja	30.000	60.000	42.000	24.000	30.000
40 T	Naranja	40.000	80.000	56.000	32.000	40.000

* Carga máxima de utilización

Cód. color Norma CEN	Carga max. de utiliz. kg	Anchura Grosor
Violeta	1.000	30/7,
Verde	2.000	60/7,
Amarillo	3.000	90/7,
Gris	4.000	120/7,
Rojo	5.000	150/7,
Marrón	6.000	180/7,
Azul	8.000	240/7,
Naranja	10.000	300/7,

ESMERIL DE BANCO

ESMERIL DE MANO (AMOLADORA)

CRAFTSMAN
CRAFTSMAN
ANGLE GRINDER
ANIOLADORA ANGULAR
6.5 AMP
941773

DEWALT
DEWALT

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

EXTENSIÓN PARA SOLDAR

FERRETERIA CALZADA

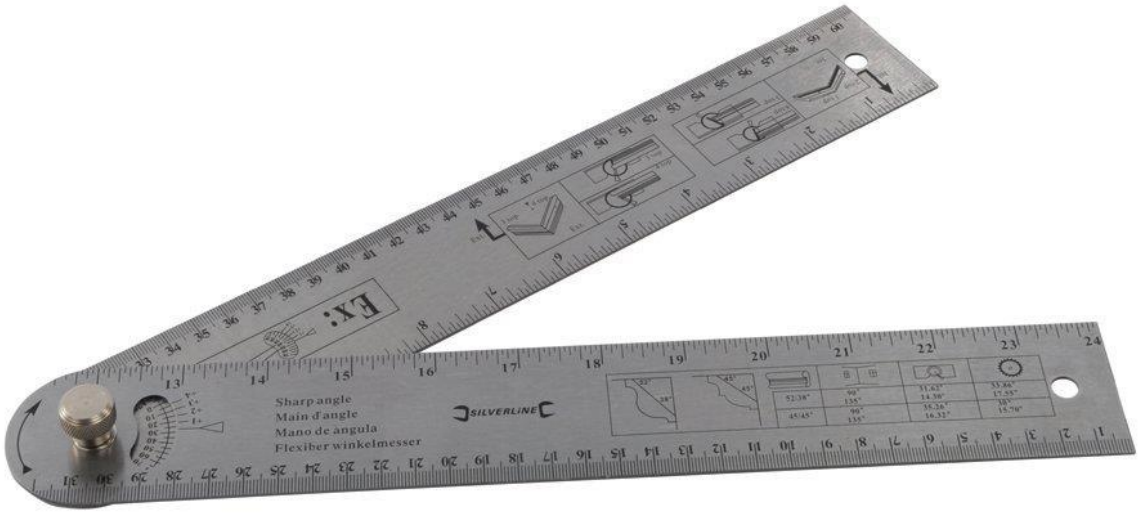
EXTRACTOR DE BALEROS

FALSA ESCUADRA

SOLA

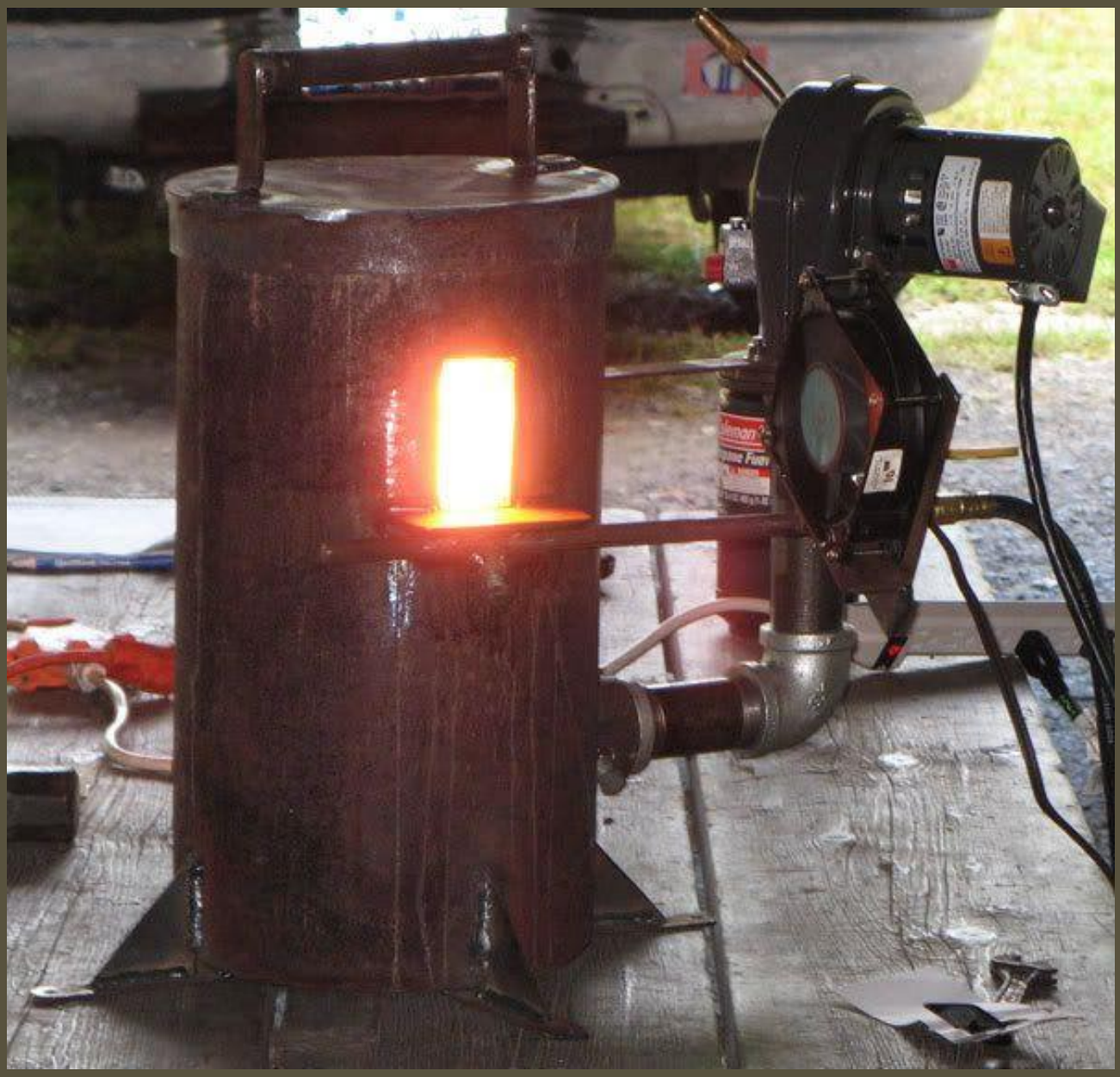
URREA

No.18 STANLEY


Sharp angle
Main d'angle
Mano de ángula
Flexiber winkelmesser
SILVERLINE

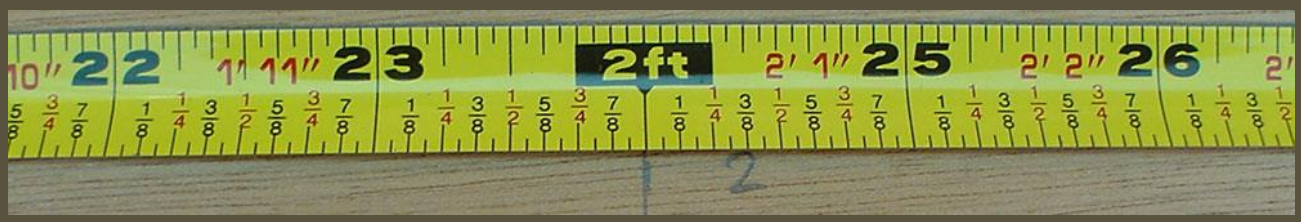
FRAGUA

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



FLEXÓMETRO

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



1
2
3

15 ft
15-1
15-2
15-3
6
7
8
9
1
2
3
4

DEWALT
5,5m

FUELLE (SOPLADOR PARA FRAGUA)

FORGE CO
N.Y.
BUFFALO
USA

Z
B9

BLOWER & FORGE CO.
PA. U.S.A.

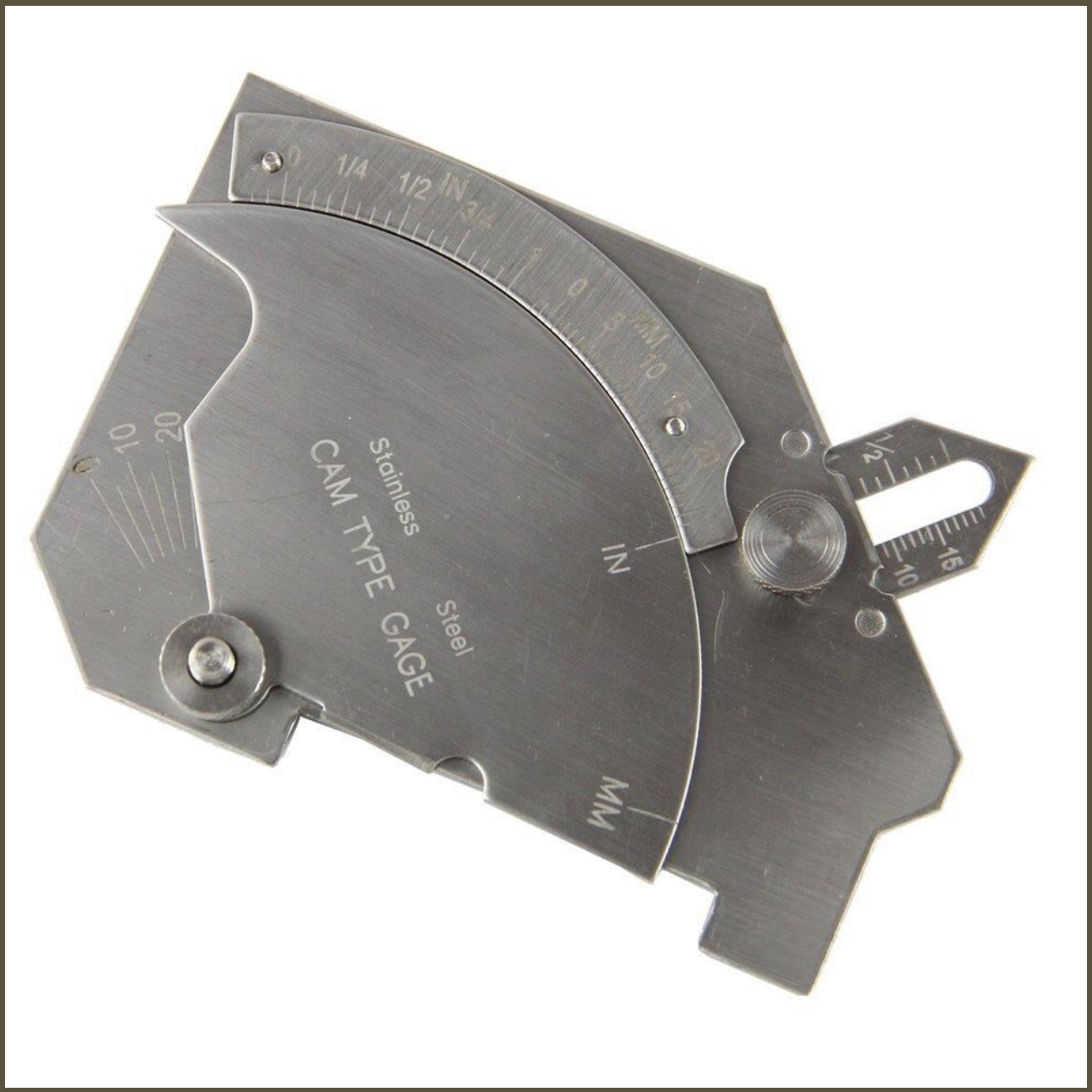
CARRETA

CD
CD 1
www.todocoleccion.net

HAND BLOWER

GALGA

70°
INOX
60°
90°


Stainless
Steel
CAM TYPE GAGE
IN
MM
1/4
1/2
IN
3/4
1
0
5
10
15
20
25
10
20
1/2
15
10

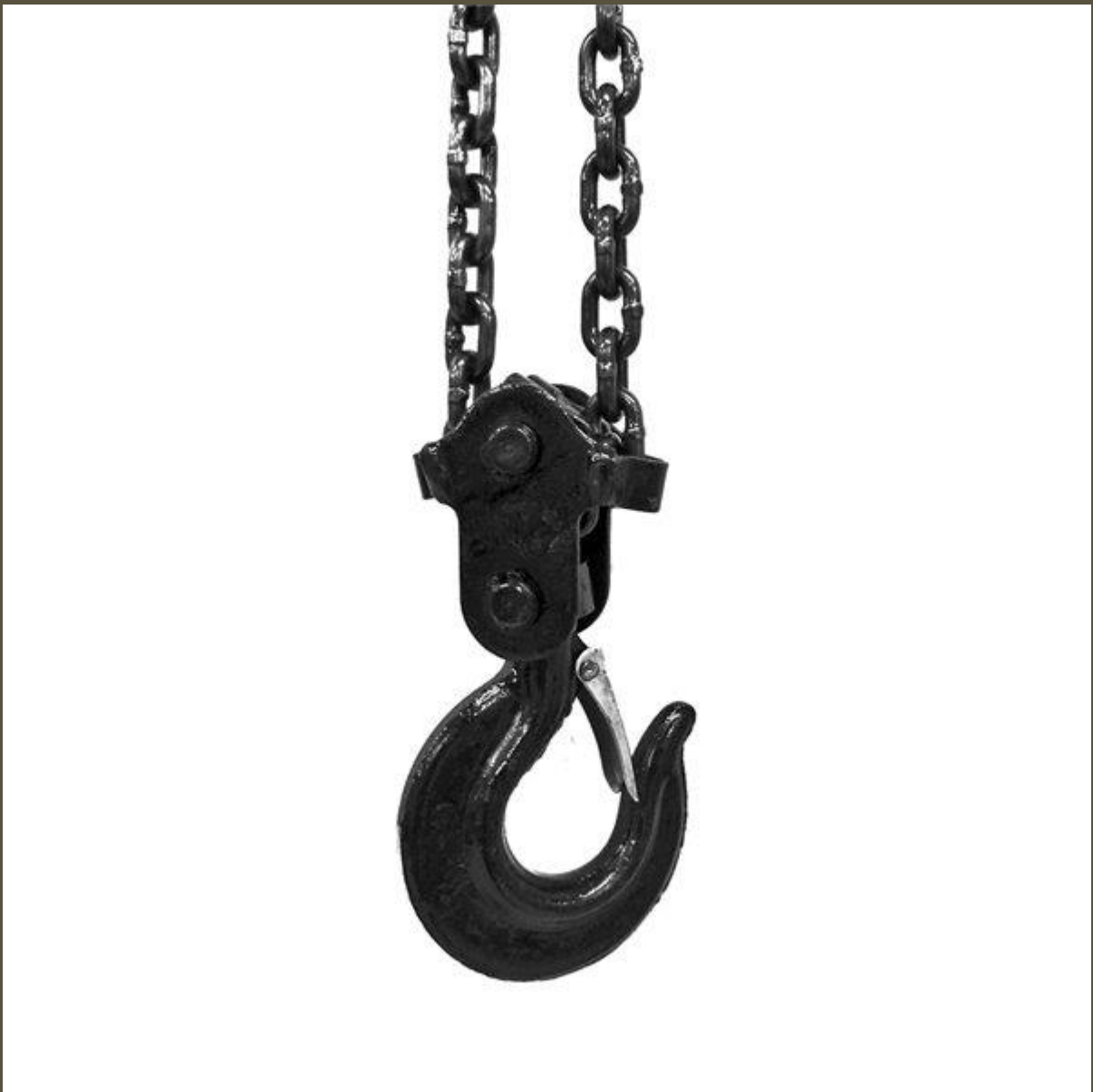
SWP
Stainless
Steel
WELD FILLET GAUGE
3/4"
19.1 mm
1/4"
6.4 mm
3/4"
19.1 mm
7/8"
22.2 mm
3/16"
4.8mm
1"
25.4 mm
1"
25.4 mm
1/4"
6.4 mm
3/8
9.5 mm
5/16"
7.9mm

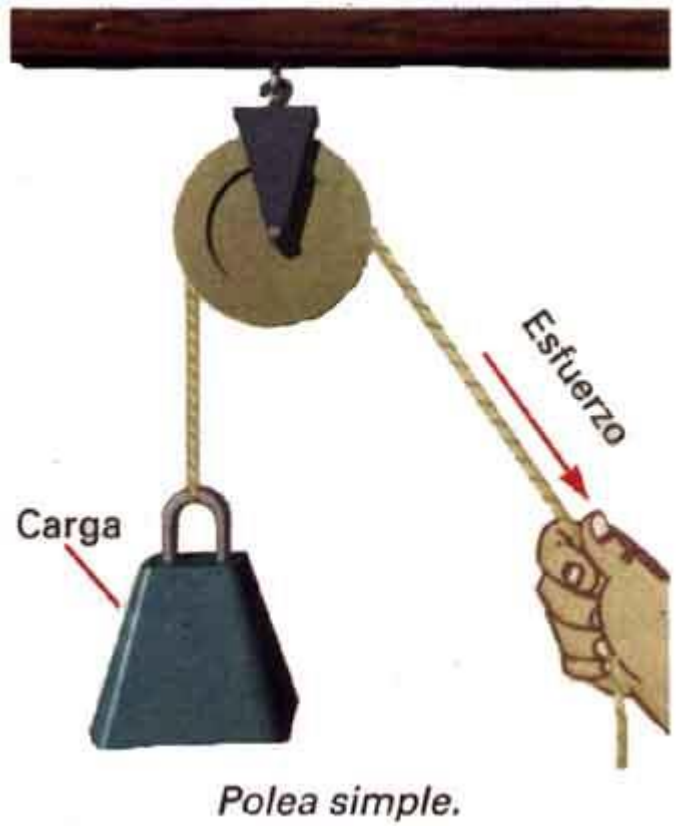
STAINLESS
HARDENED
MADE IN CHINA
15 mm
14
13
12
11
10
9
8
7
6
5
4
3
2
MM

GARRUCHA

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

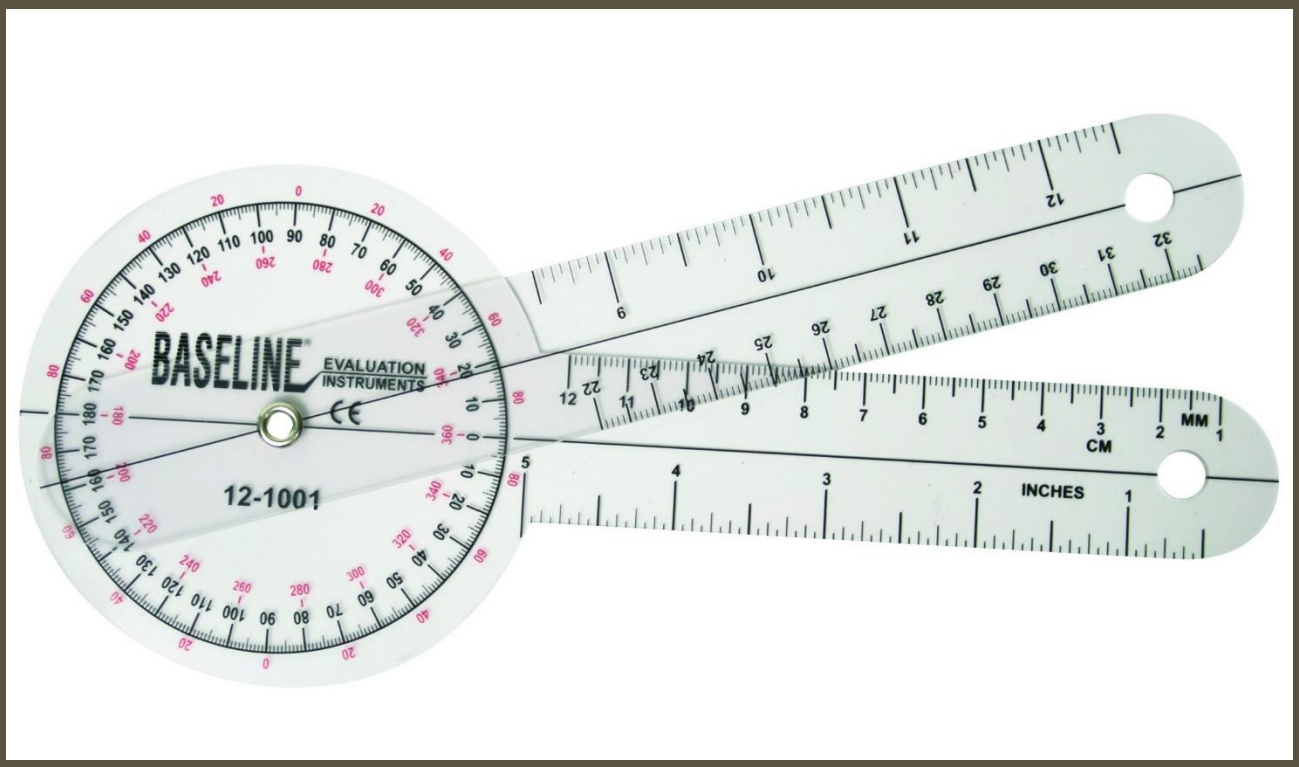
02183A
NEIKO
TOOLS
1 TON CHAIN HOIST, 20' LIFT

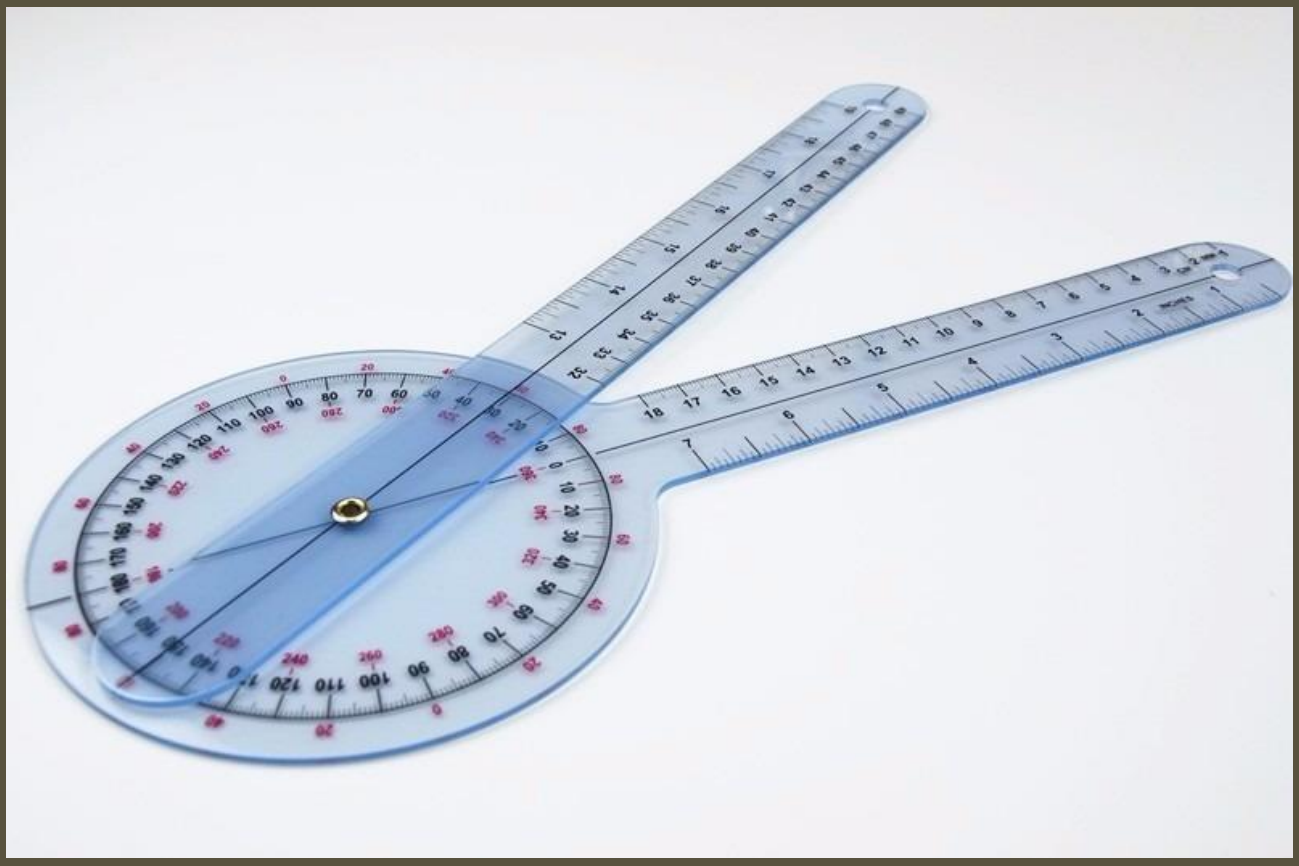


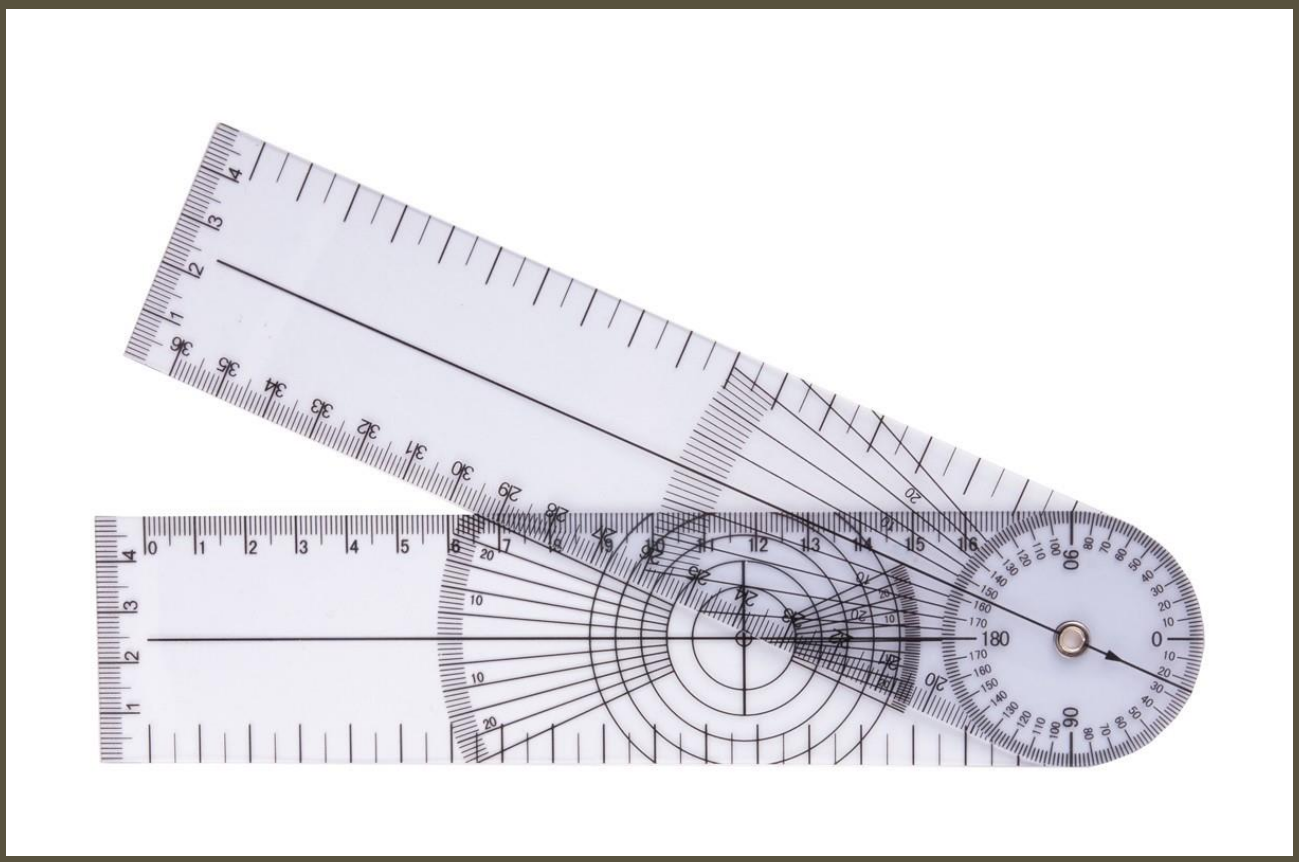


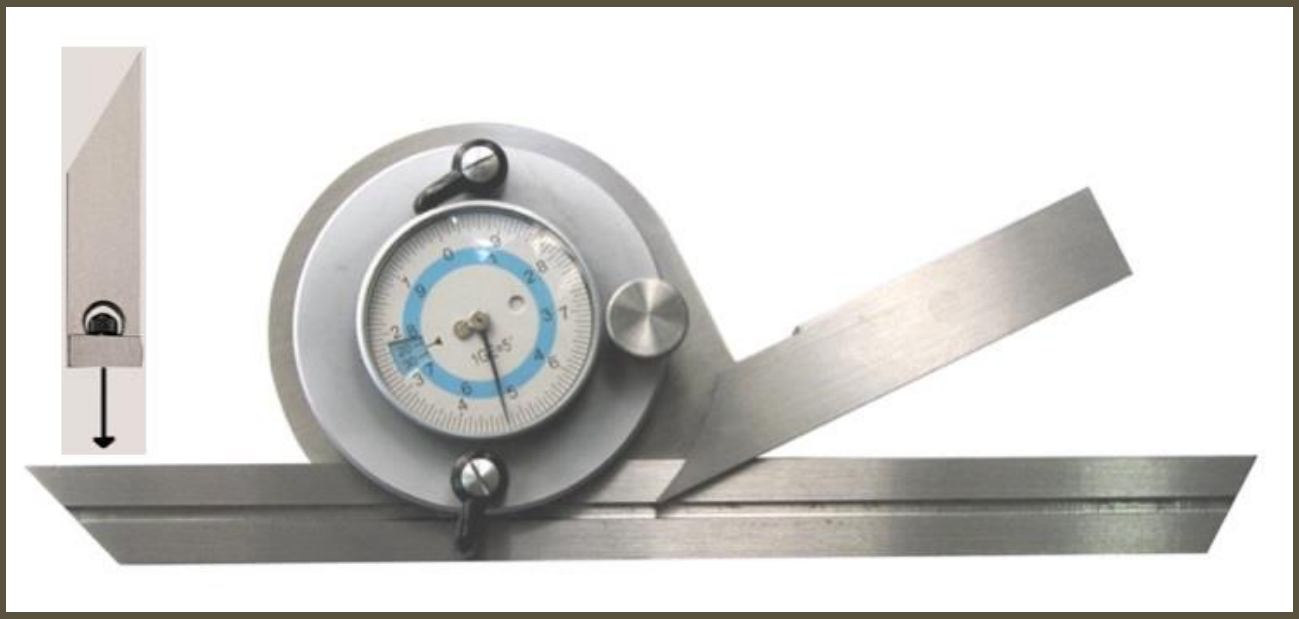
Polea simple.

GONIÓMETRO


BASELINE
EVALUATION INSTRUMENTS
12-1001
INCHES
CM
MM







GRAMIL

GRIFA

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https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

GRÚA VIAJERA

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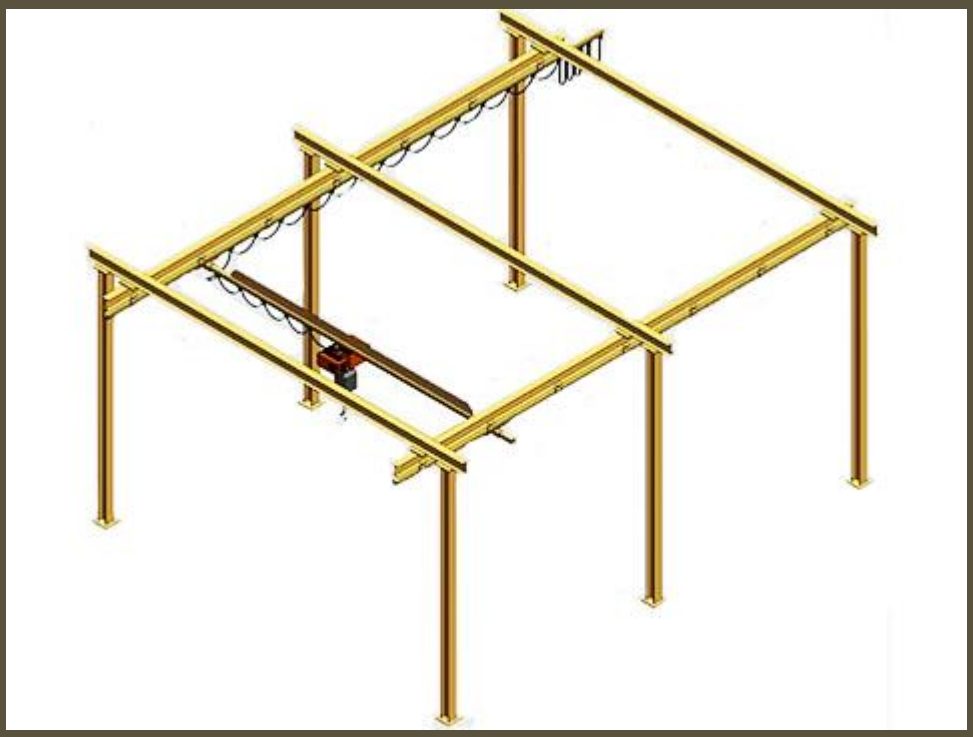
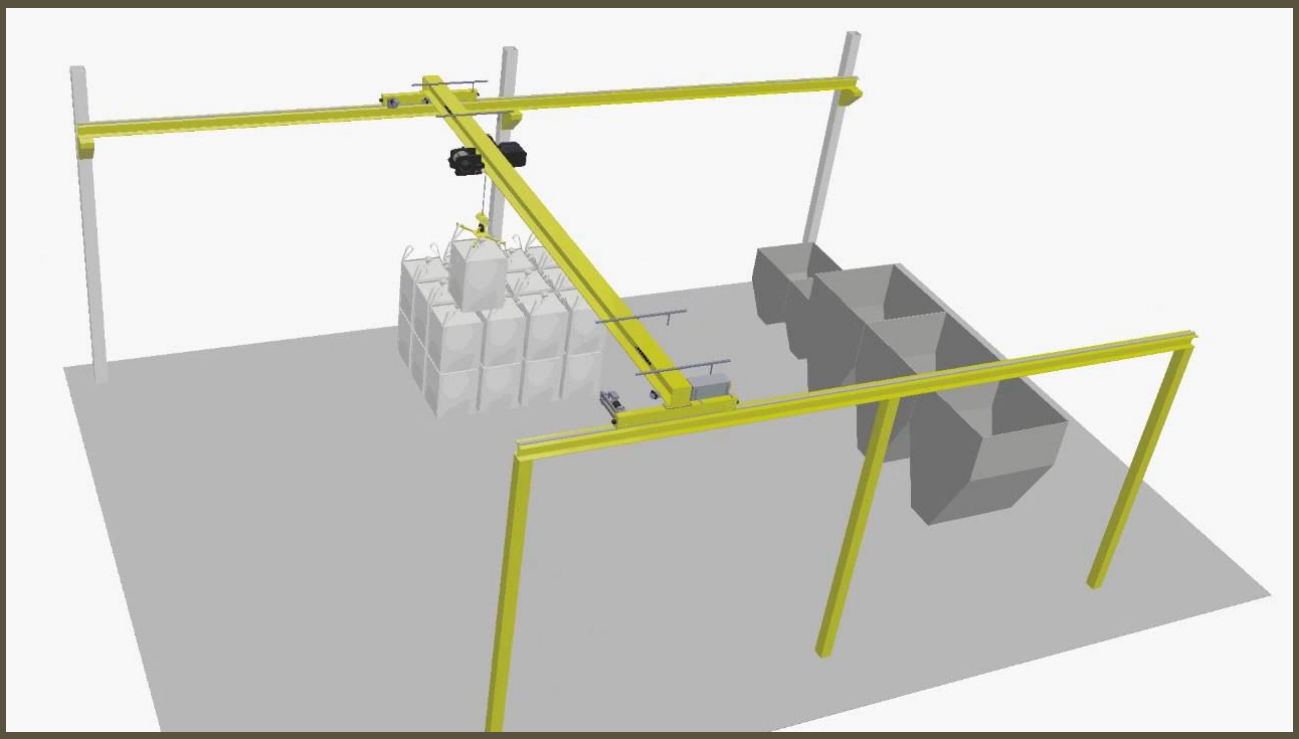
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/





INVERSORA

ENERGY
POWER
O. C
100
120
IGBT140A/220M
SOLDADORA INVERTER ELECTRODO/
INVERSOR PARA SOLDA ELETRODO

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https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

néo
IE 10250/5/220M
SOLDADORA INVERTER ELECTRODO
INVERSOR PARA SOLDA ELETRODO
250
20
50
80
110
140
200
AMP

LIJADORAS

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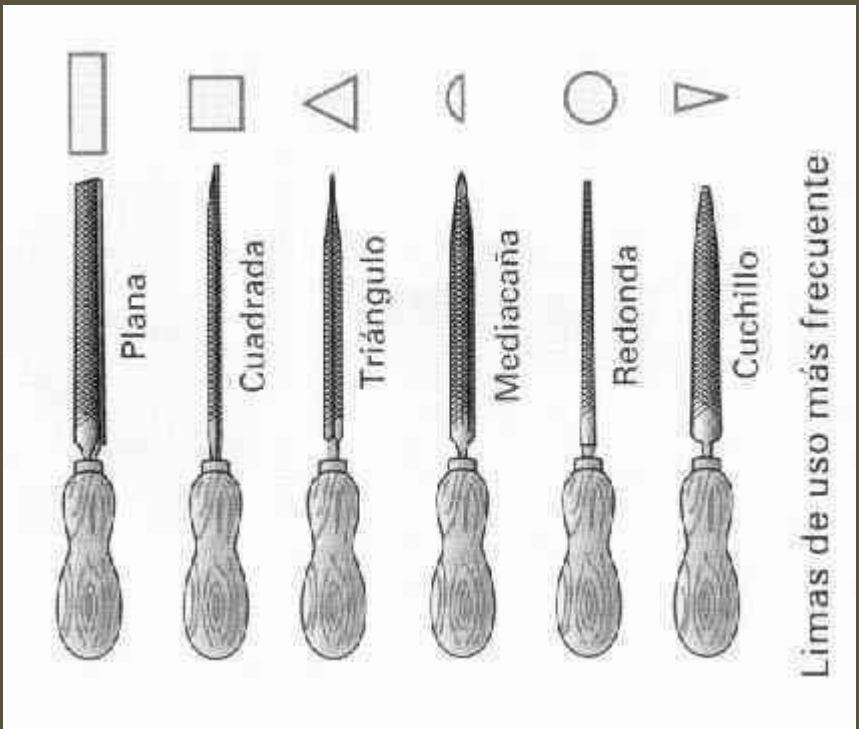
LIMAS


Plana
Cuadrada
Triángulo
Mediacaña
Redonda
Cuchillo
Limas de uso más frecuente

LLAVE CALIFORNIA (PARA ALAMBRAR)

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LLAVE INGLESA (PERICA)

LLAVE STILSON

STANLEY HEAVY DUTY

STANLEY

Llave inglesa (francesa)
Llave Stilson (Grifa)

RIDGID

LLAVES ALLEN

3/8
7/32
3/16
5/32
1/8

Medidas en pulgadas.
Inch sizes.
Medidas milimétricas.
Metric sizes.
TRUPER

BONTRAGER

No 365
1000 V
GERMANY
EN 60900

LLAVES ESPAÑOLAS

MALACATE

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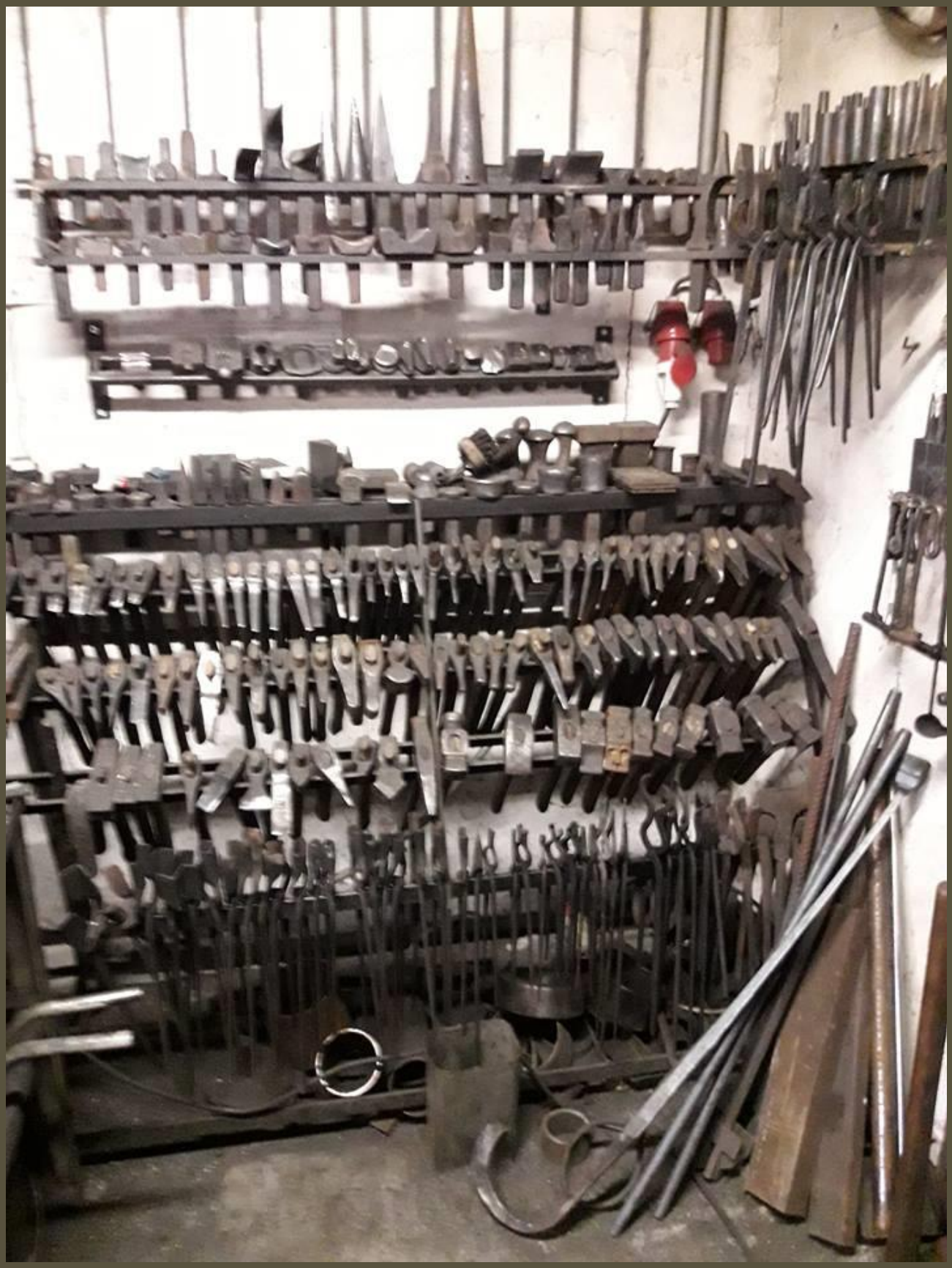
MARTELINA

Oliver Hoy

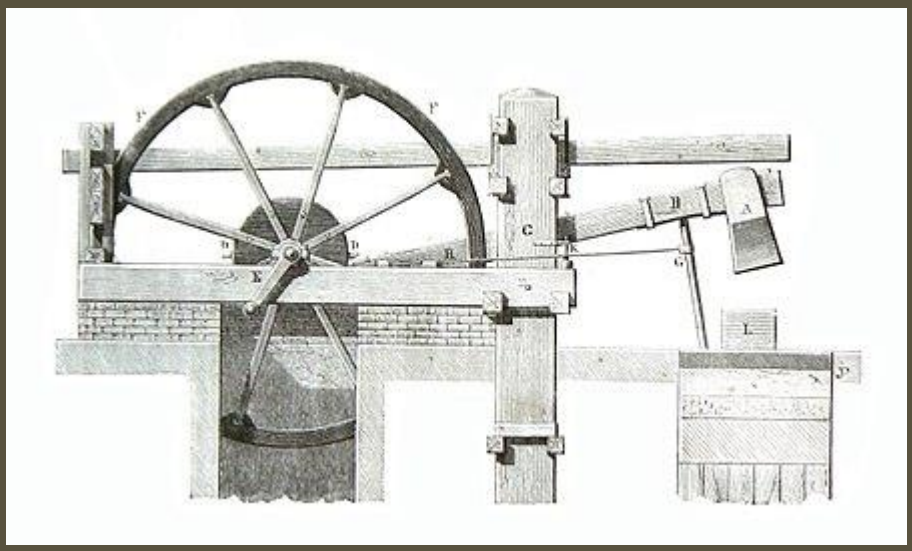
Martelina forjada en una pieza
- Afilado en punta y escoplo
ESPECIFICACIONES
Cabeza: 20 oz
Escoplo: 40 mm
Mango: 14"
Mango con TPR que reduce las vibraciones del golpe
Forjada en acero al carbono

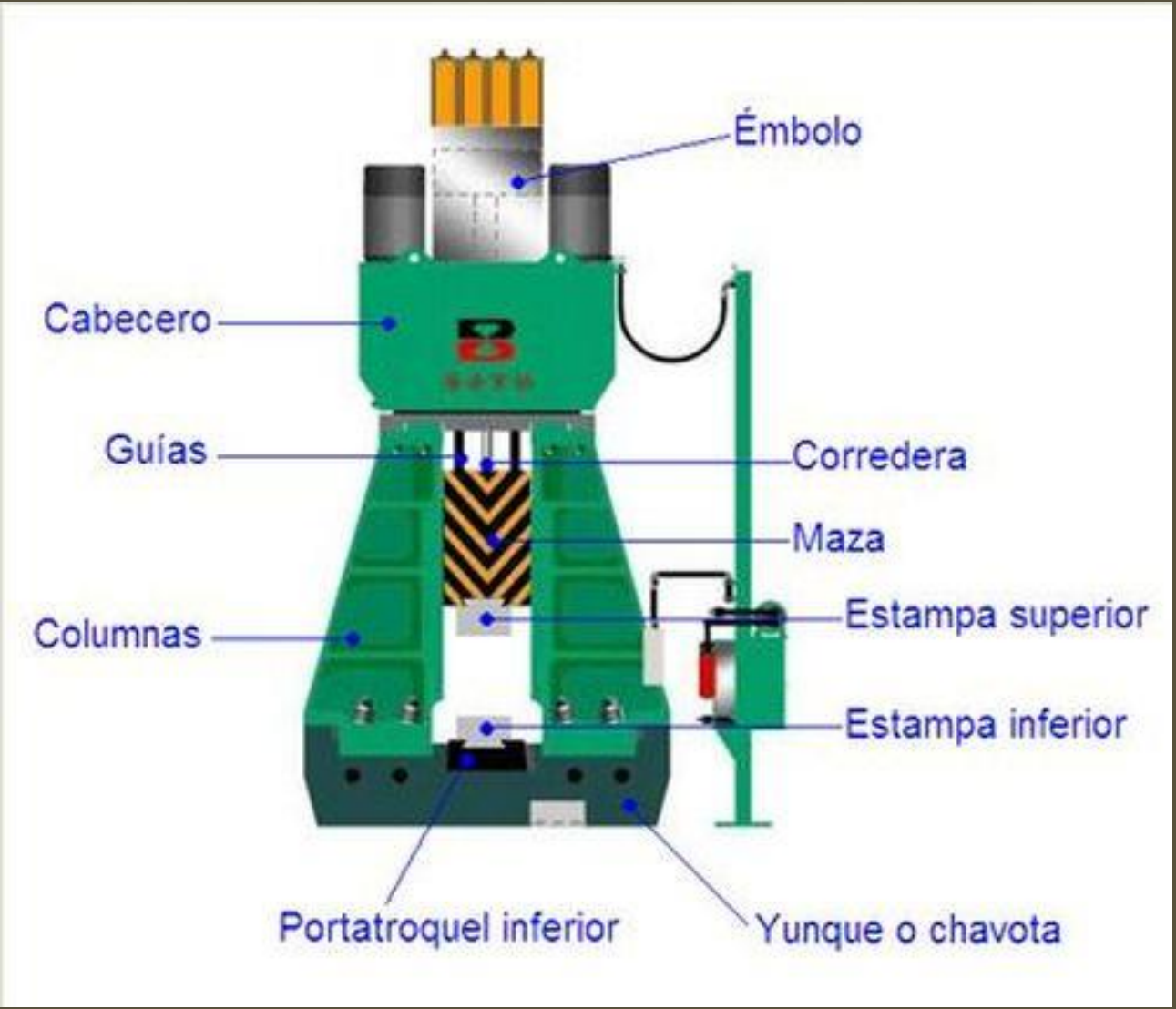
MARTILLO

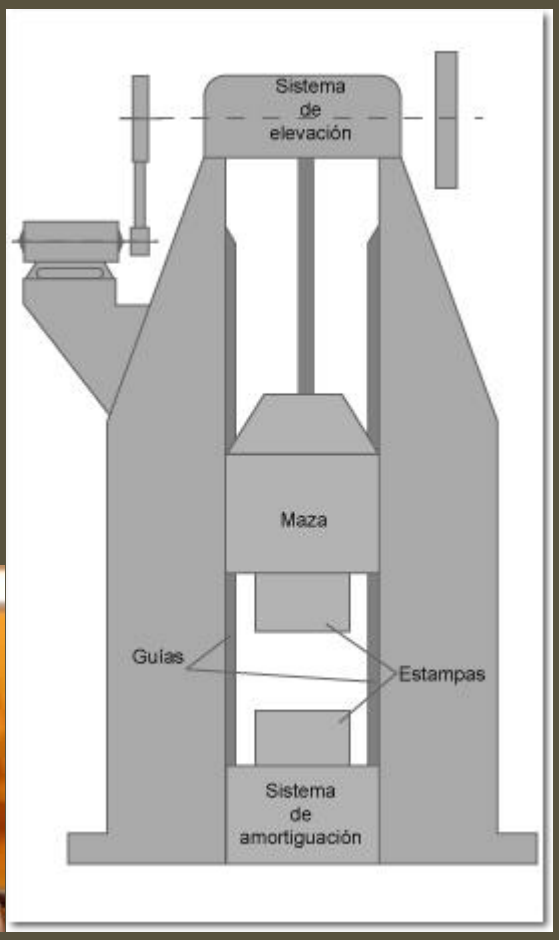


MATTVIBE

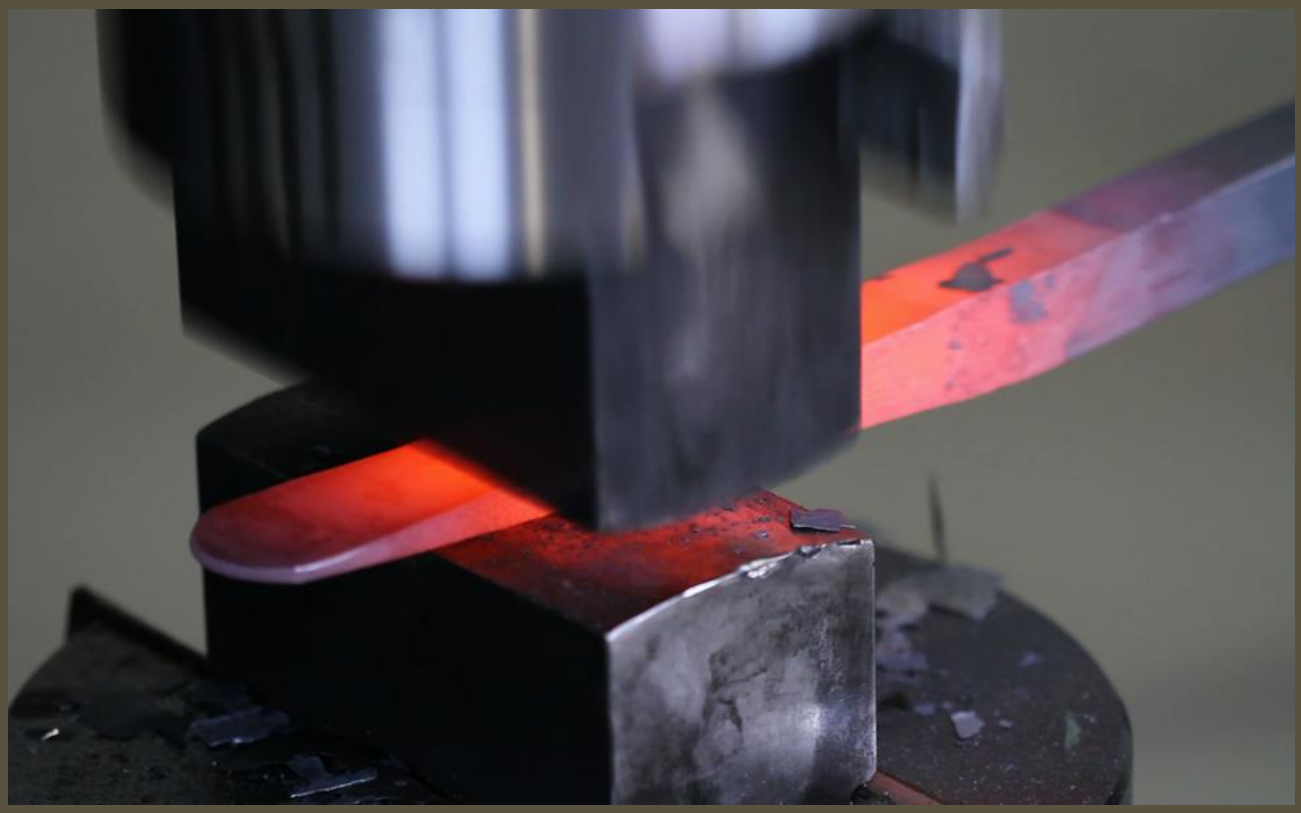
MARTINETE

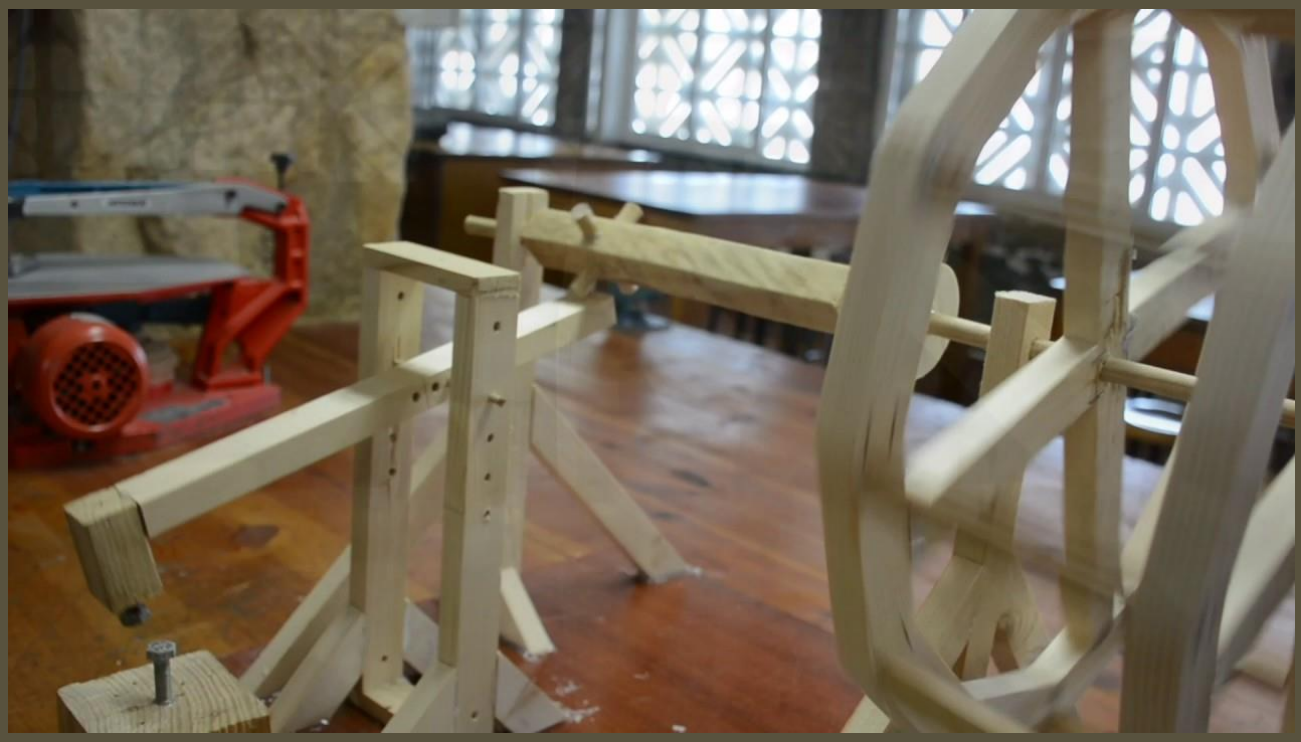



Émbolo
Cabecero
Guías
Corredera
Maza
Columnas
Estampa superior
Estampa inferior
Portatroquel inferior
Yunque o chavota


Sistema
de
elevación
Maza
Guías
Estampas
Sistema
de
amortiguación

MP60





MASCARILLA

MESA DE TRABAJO

VIPER

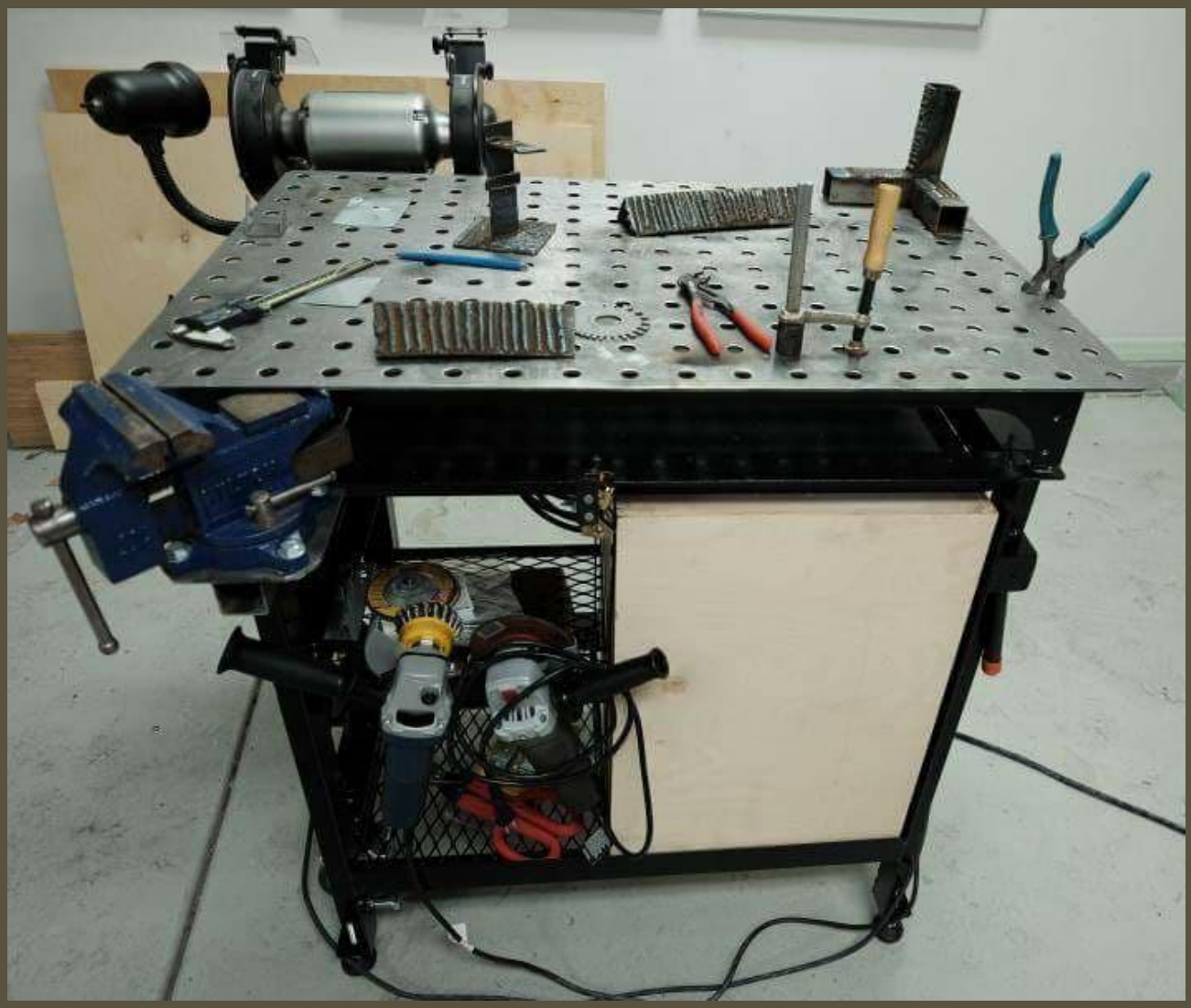
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

HOBART

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

ELWIN
machine
aldatrice
soudage
oldadora
elügerät

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/



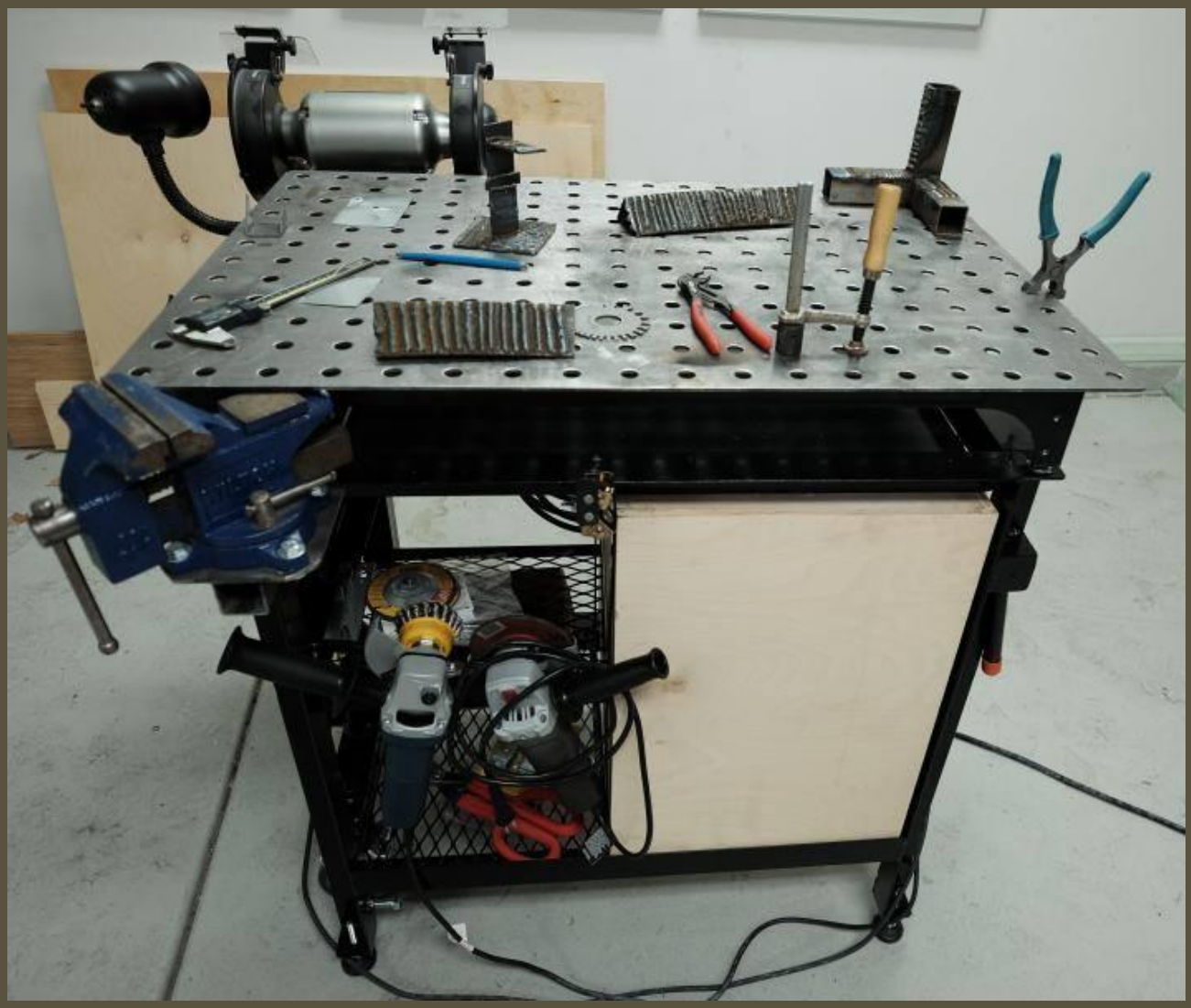
CTZ-7173

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

THERMAL
Miller



https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

MOLDES PARA FORJA (ESTAMPAS)

MOLETEADORA

NIVEL

RIDGID
MODEL NO
395
RIDGE TOOL CO.
ELYRIA, OHIO

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

PINZAS DE ELECTRICISTA

PINZAS DE MECÁNICO

URREA
276
MEXICO

PINZAS DE PRESIÓN (VISE GRIP)

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

IRWIN
9R

PINZAS PARA FORJA

PINZAS VARIAS

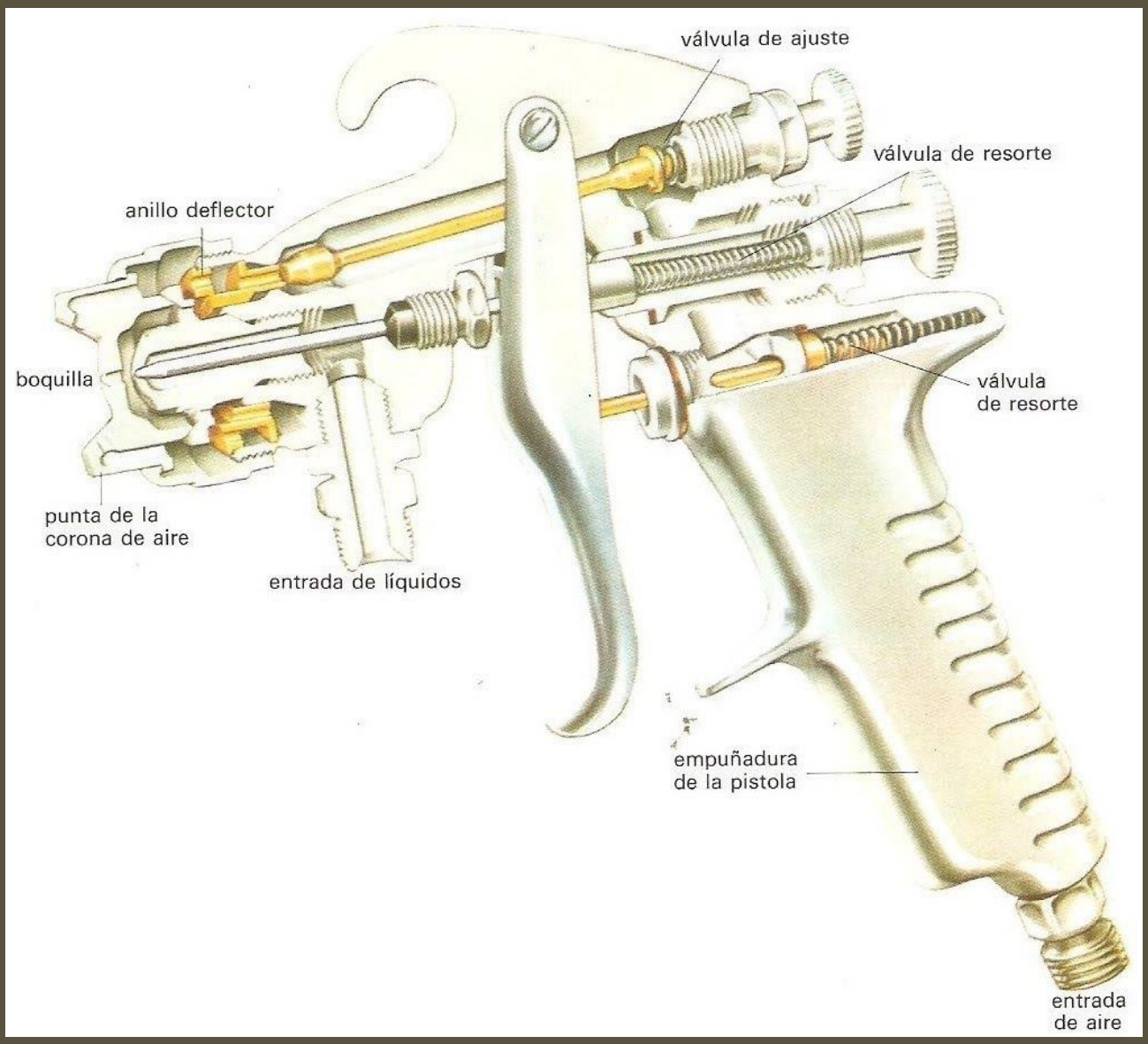
PIQUETA (ESCORIADOR)

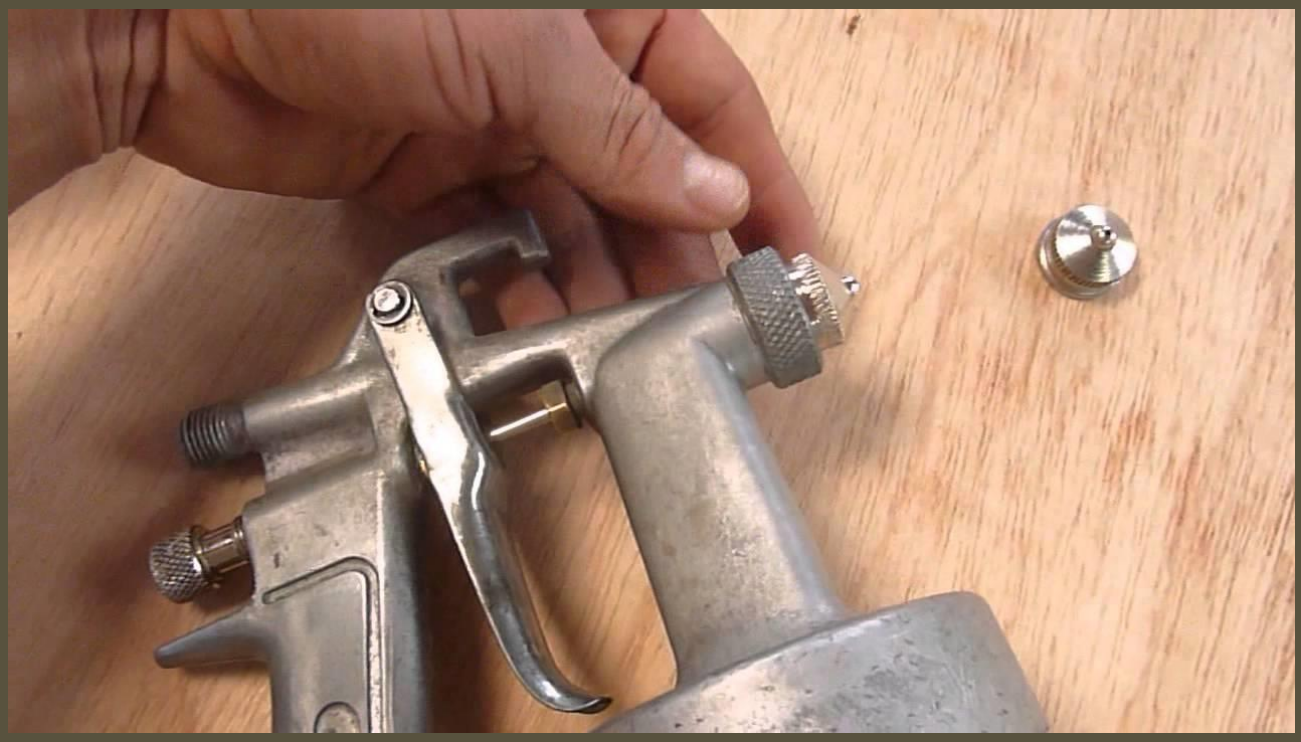
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

PISTOLA CALAFATEADORA

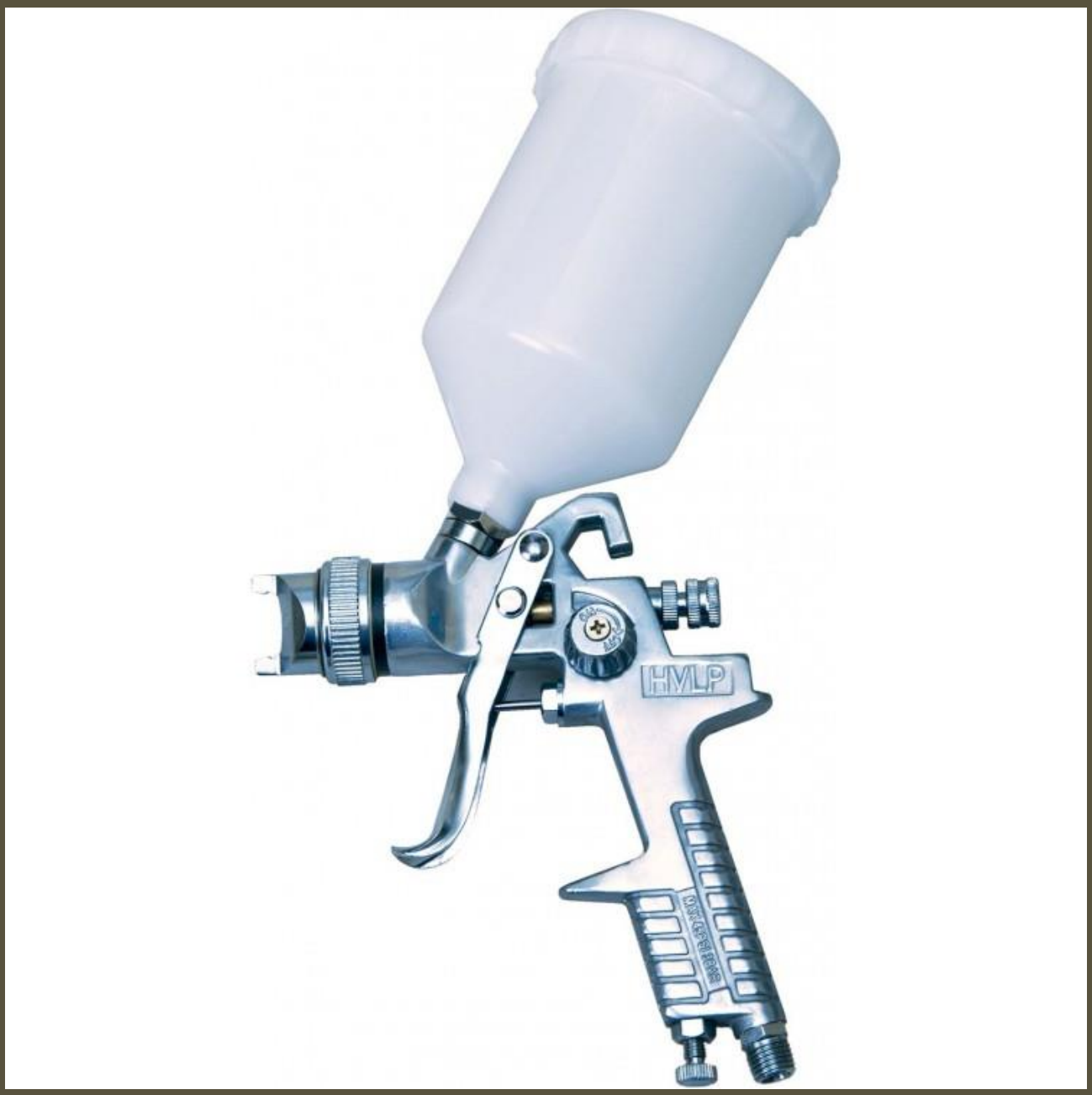
TRAMONTINA
MASTER

PISTOLA PARA PINTAR


válvula de ajuste
válvula de resorte
anillo deflector
boquilla
válvula
de resorte
punta de la
corona de aire
entrada de líquidos
empuñadura
de la pistola
entrada
de aire



FAST PAINT


HVLP

GONI

SAGOLA
CLASSIC LUX

PLANTA ELÉCTRICA PARA SOLDAR

(MÁQUINA)

SOLDADORA POR ARCO ELECT. MOD. 200M
1
4
5
AMP
45
120
60
140
75
160
105 MIN
200 MAX
REGULACION
MONOFASICA
MINIMO
CONEXION 220volt
FRECUENCIA 50C
VOLT. EN VACIO 55 REF.
POTENCIA KVA 6,5
AMPERAJE MAX. 200
Tehuelche

ATENCION
Entrada de
corriente
127 VOLTS

SOLDADORAS
AKRON
MR
125
150
AKRON 180
AMPERES
180

MODELO
NFINITY 300
ENCENDIDO
PINZAS
AC
PINZAS
DC

MIG. TIG.
MADE IN
U.S.A

HIGH POWER
Alto Poder en herramientas
HP-250
250
AMPERES

HIGH POWER
MODELO HP-300
Alto Poder en herramientas
SOLDADORA ELECTRICA
150
200
100
250
50
300
300
AMPERES
TIERRA BAJA
TIERRA ALTA

MODEL AC-225-S
ARC WELDER
CODE
AMPERES
115 130
100
145
90
160
75
180
60
200
40
225
INPUT
LINCOLN
ARC WELDER
AC 225 AMP
LINCWELDER
LINCOLN
ELECTRIC

SOLDADORA
PREMIER
PR-250

PORTA ELECTRODO Y TIERRA FÍSICA

A-14-HD 400 AMPS

DROP-FORGED

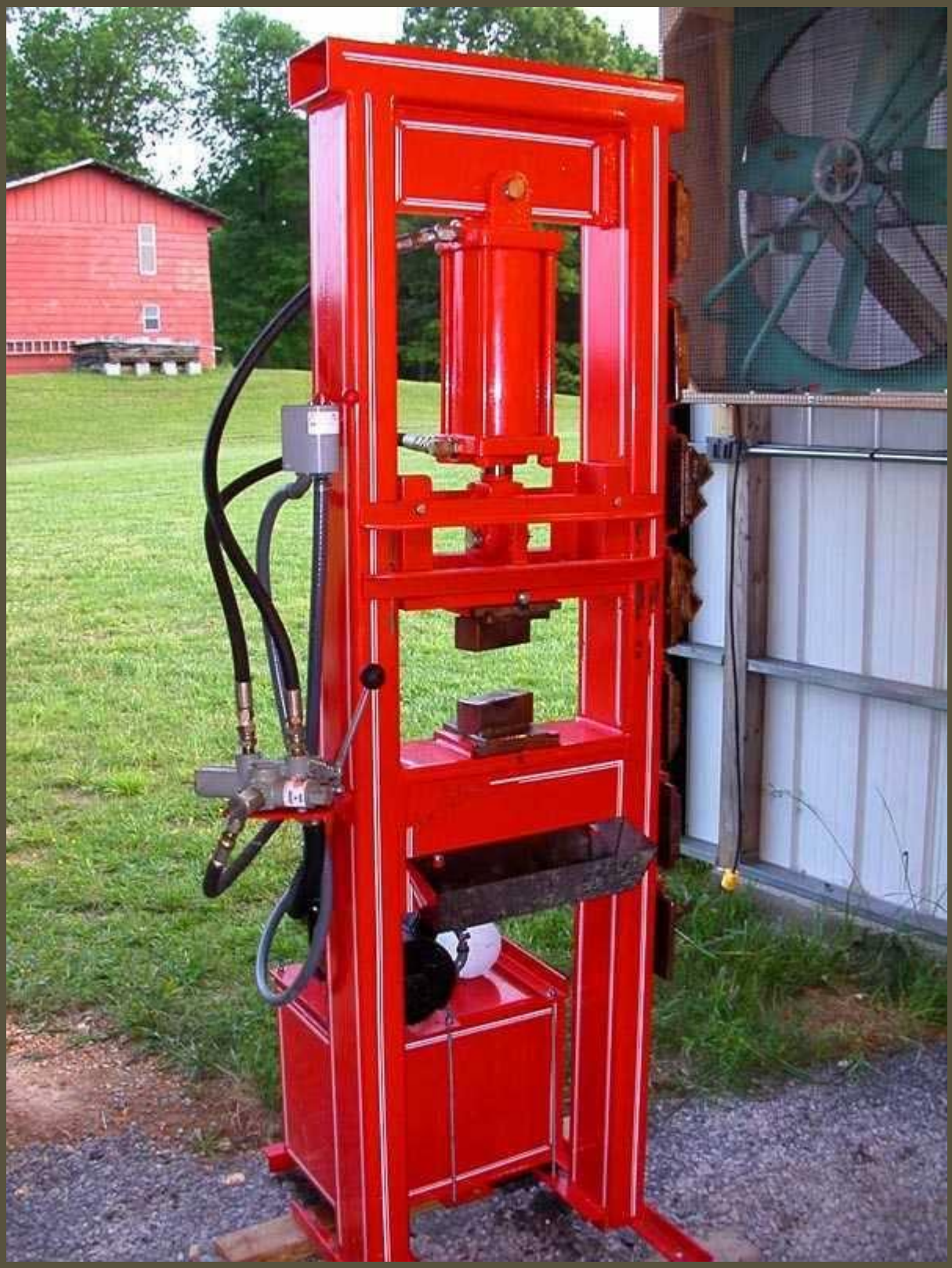
PRENSA

TORNILLO

TUP

5 MINUTE
VULCANIZER

30.11.2017 17:15



75cm
10cm
30cm
26cm
9cm
12cm

PUNZÓN (GRANETE)

STANLEY
Center Punch
Centropunto
Centre-
poinçon
3/8"
10
mm

RECTIFICADORA (MOTOTUL-BURIL)

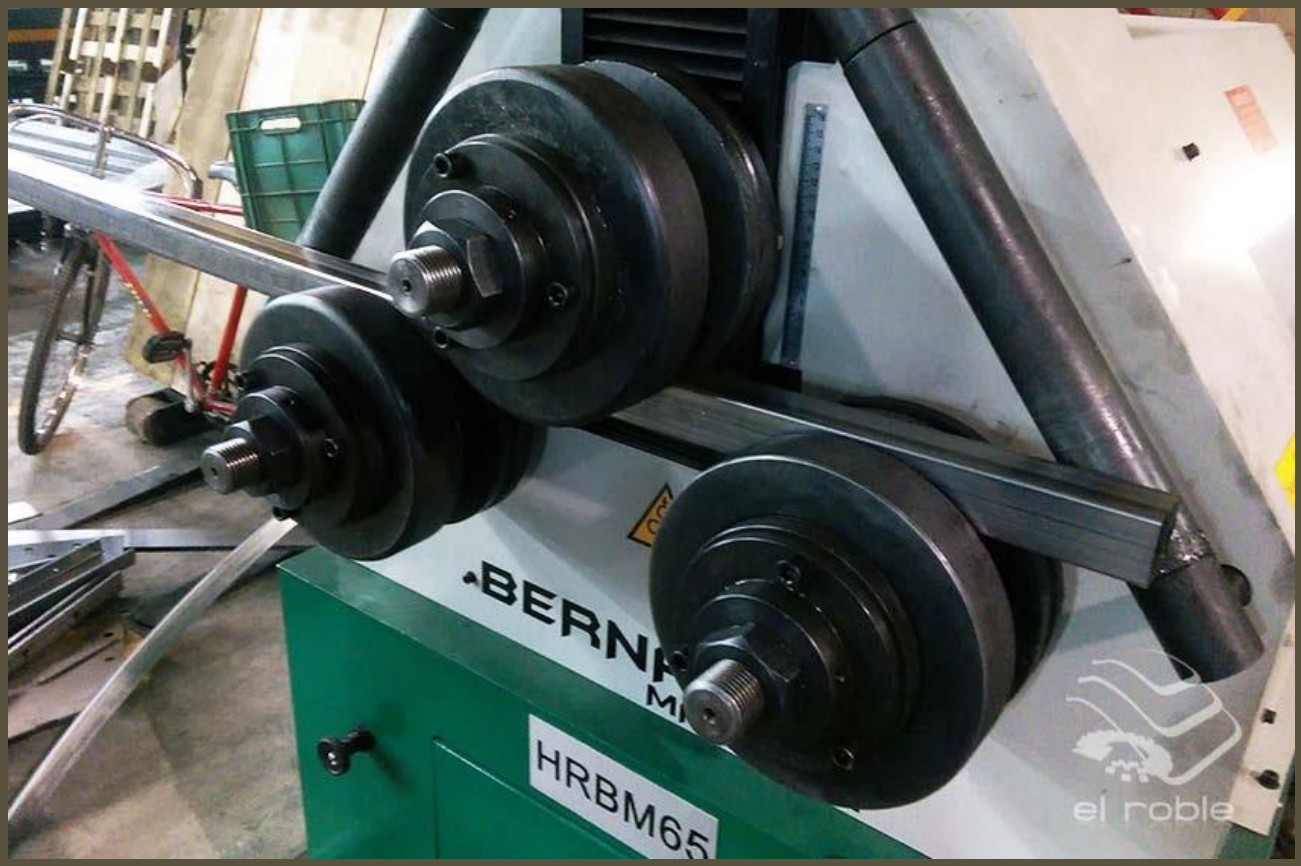
makita

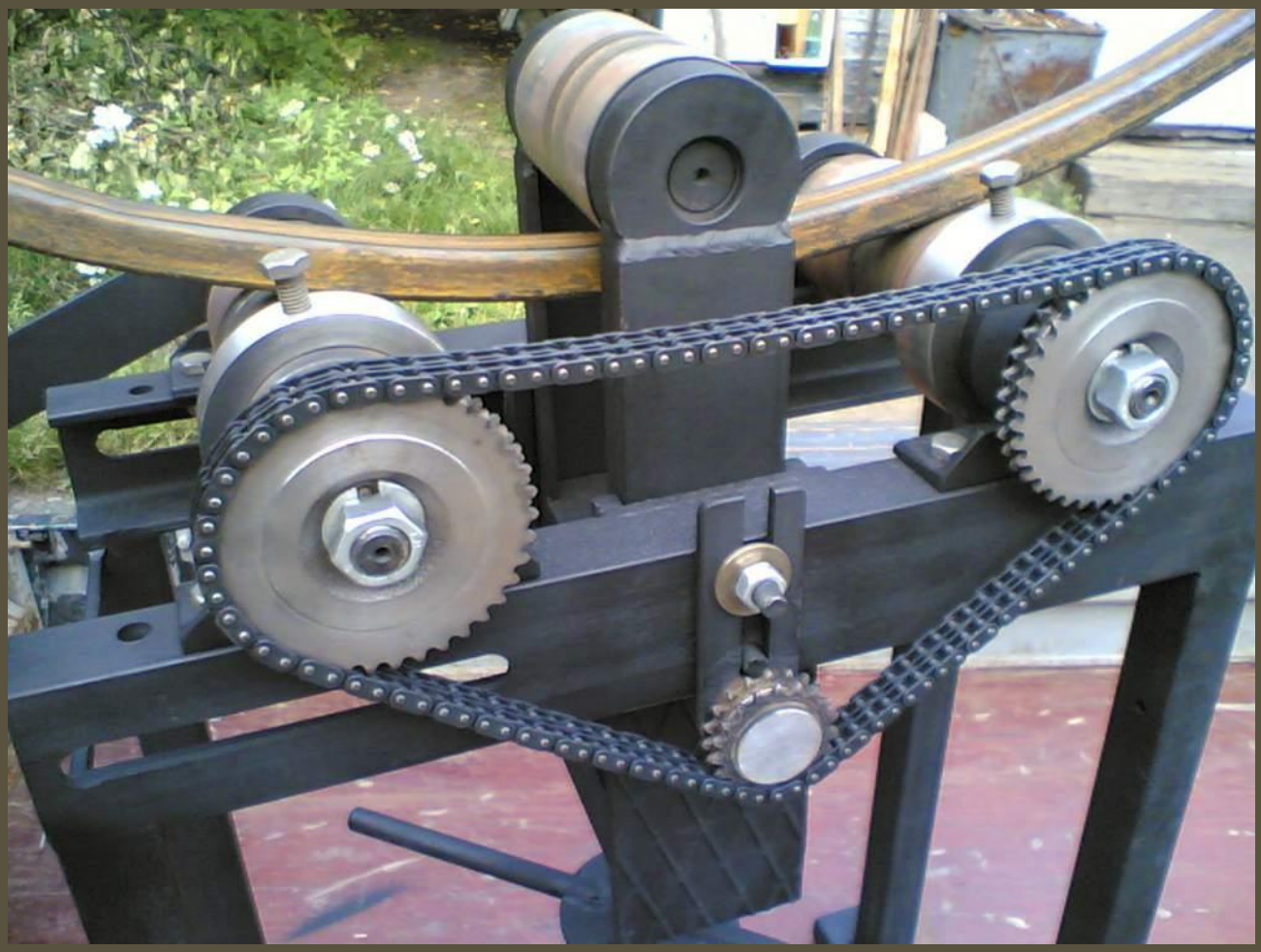
ROLADORA PARA LÁMINA

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

ROLADORA PARA PERFIL HUECO


HRBM65
el roble



ROLADORA PARA PERFIL MACIZO

DEWALT

INDIO

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

PARLEC

P
P

AMF

RUEDA INGLESA

SOLDADORA MIG

HOBART
Handler 140
HOBART

MIG
MAG
Solmec
INDUSTRIA ARGENTINA
N USAR PROTECCION

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SOLDADORA TIG

TIG200 AC/DC II
TSOLDA

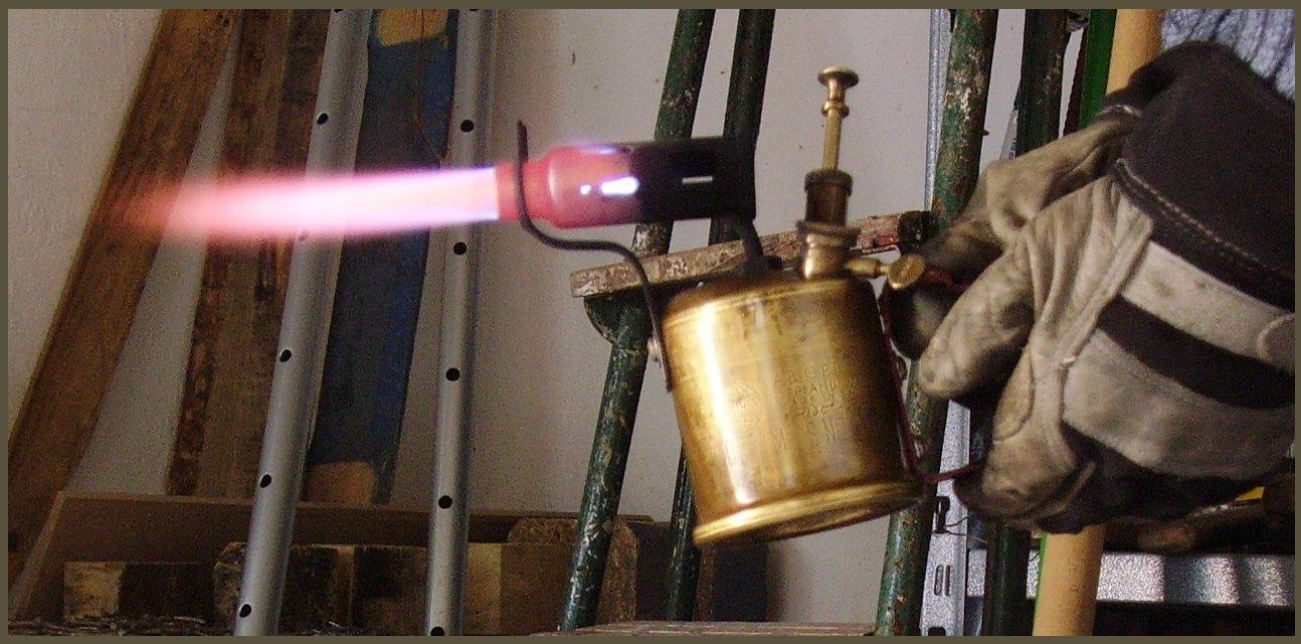
ARCTRON 205 MP

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

SOPLETE DE GASOLINA

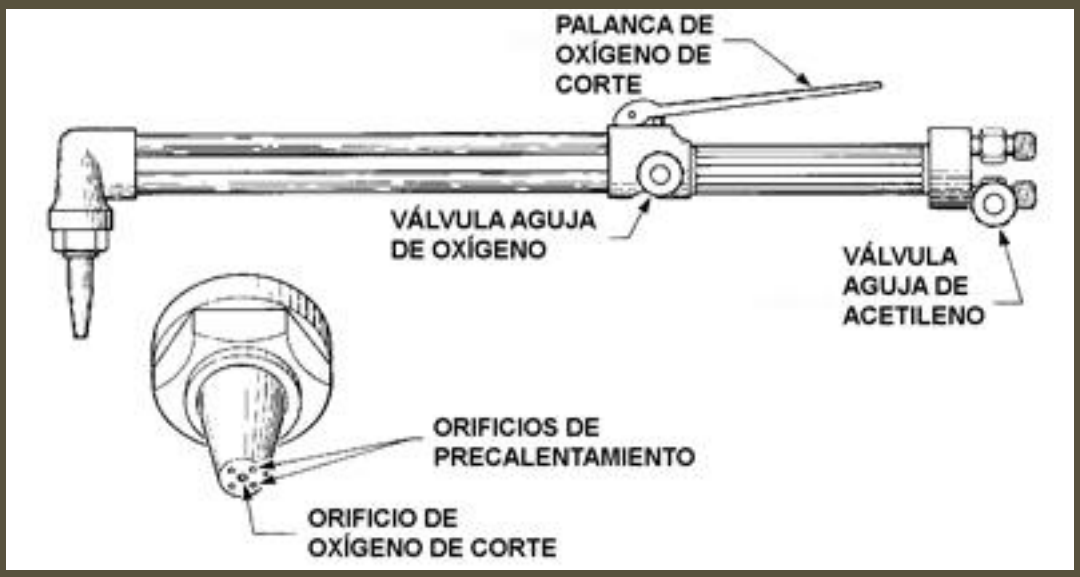
A.B. OPTIMUS
345

NEW



SOPLETE DE OXICORTE

Soplete de Corte


PALANCA DE OXÍGENO DE CORTE
VÁLVULA AGUJA DE OXÍGENO
VÁLVULA AGUJA DE ACETILENO
ORIFICIOS DE PRECALENTAMIENTO
ORIFICIO DE OXÍGENO DE CORTE

TALADRO

Milwaukee

makita
makita

TENAZAS PARA FORJA

TENAZA DE DEHERRAR
TENAZA DE REMACHAR (COCODRILO)
TENAZA UNIVERSAL (CORTA CLAVOS)
PINZA DE FORJA

TENSADORES PARA DESPLEGADOS Y MALLAS

DEWALT

TIJERAS PARA ALAMBRE

KNIPEX
KNIPEX 95 11 165

TIJERAS PARA LÁMINA

KEN-RO

CHICAGO
ELECTRIC
POWER TOOLS

TORNILLO DE BANCO (MORSA)

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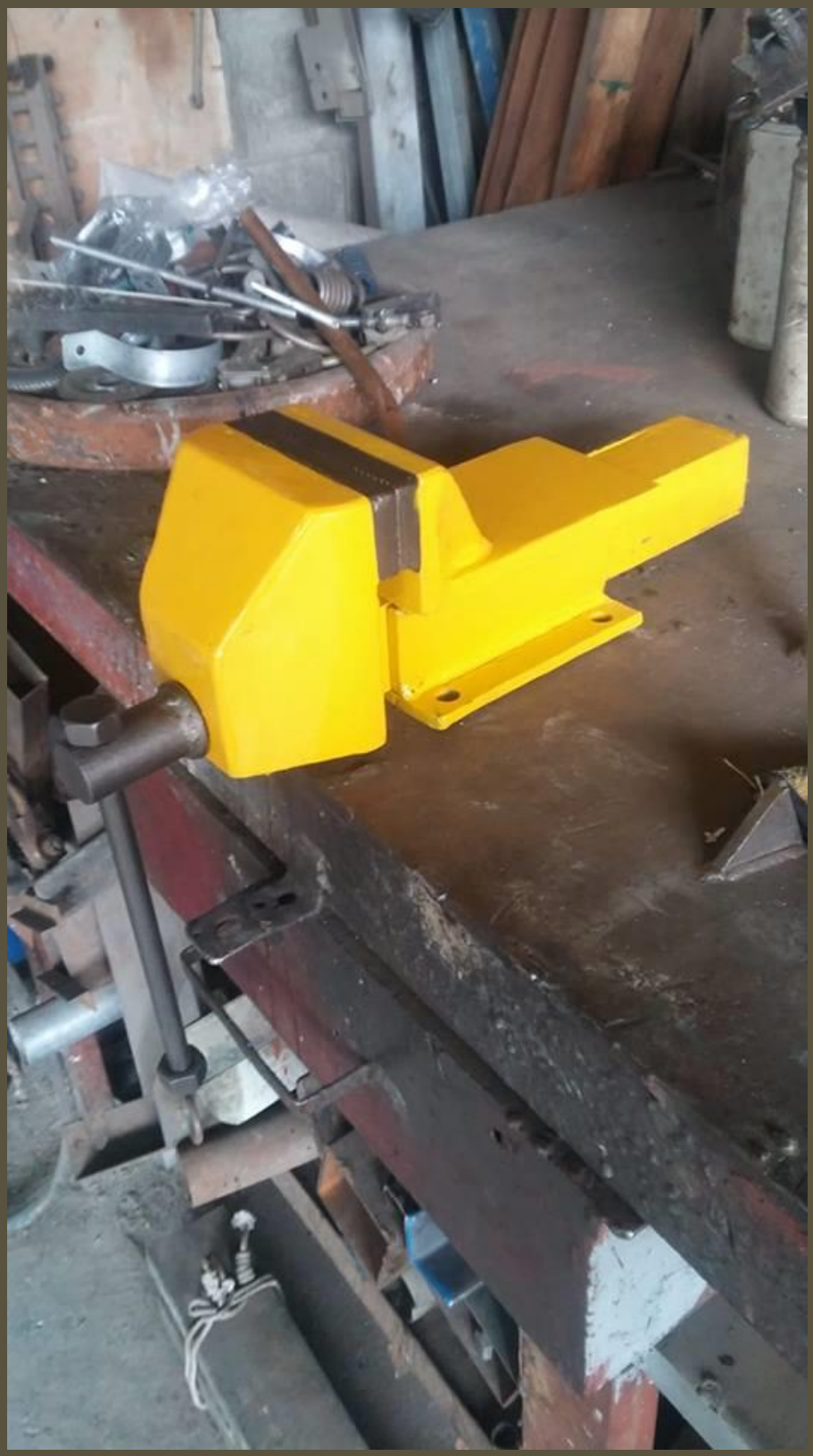
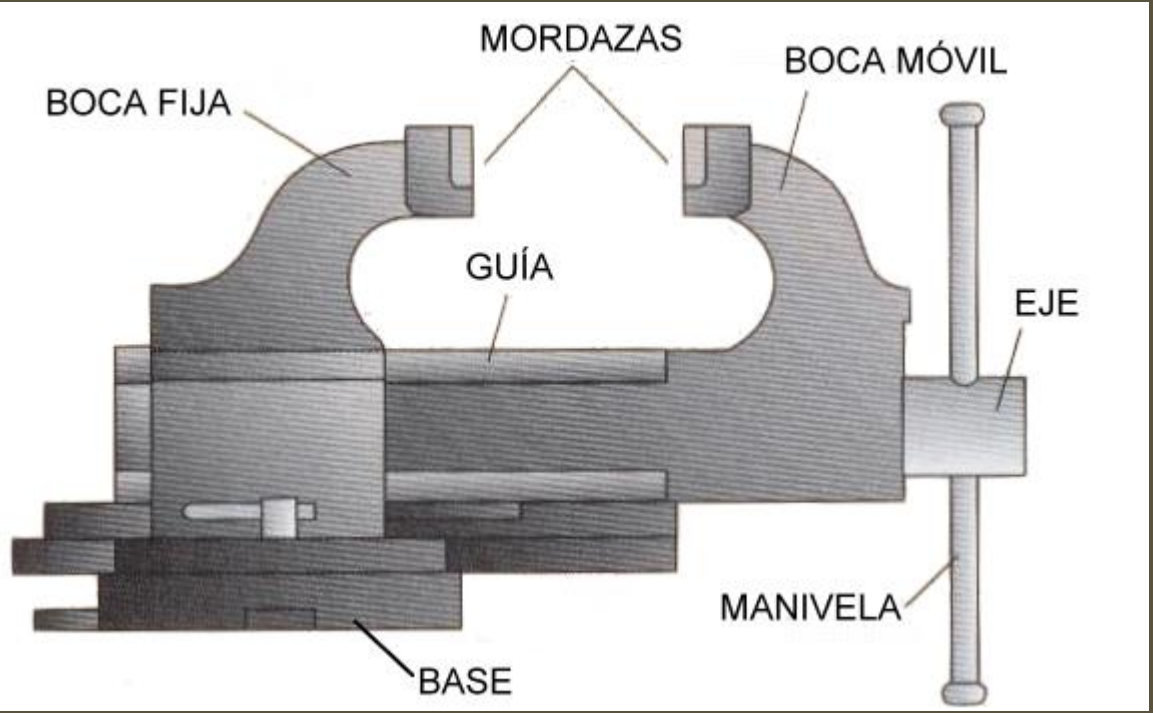
TORILLO

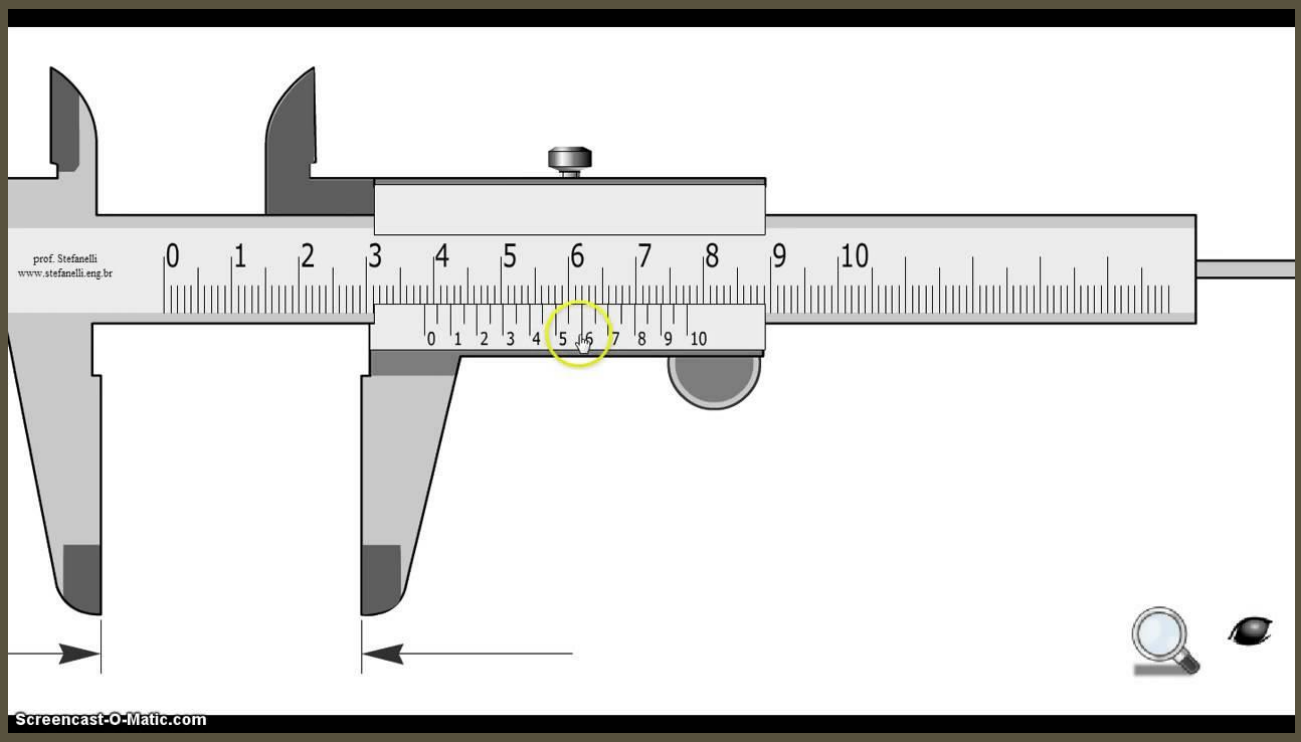
Nº8
VALCO

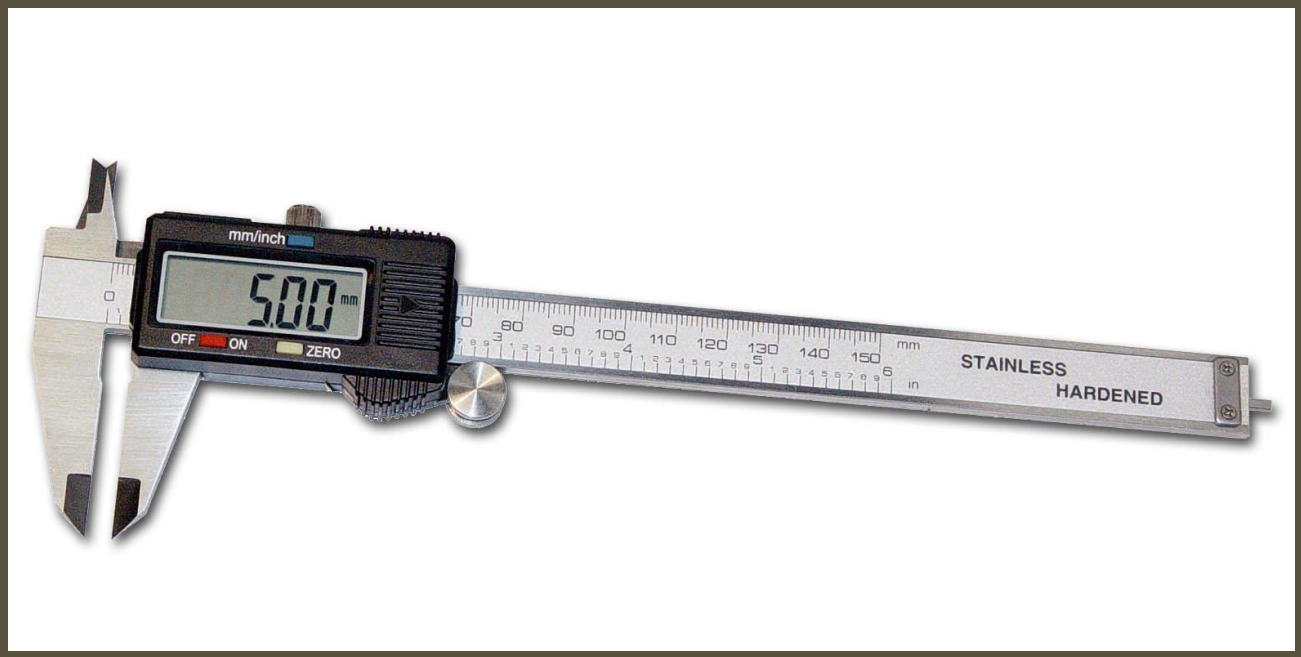
https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

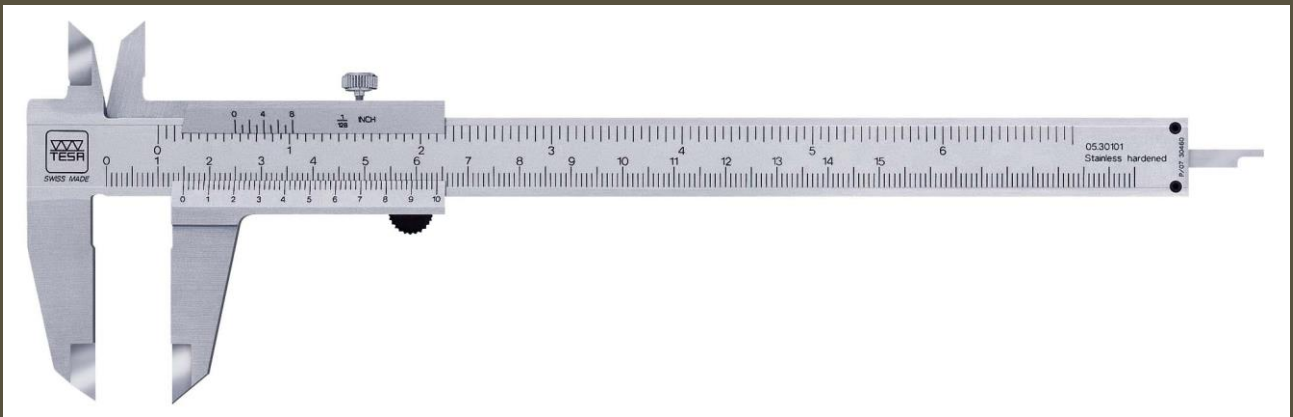



MORDAZAS
BOCA MÓVIL
BOCA FIJA
GUÍA
EJE
MANIVELA
BASE

VERNIER (PIE DE REY)


prof. Stefanelli
www.stefanelli.eng.br
0 1 2 3 4 5 6 7 8 9 10
0 1 2 3 4 5 6 7 8 9 10
Screencast-O-Matic.com


mm/inch
5.00 mm
OFF ON
ZERO
STAINLESS
HARDENED


TESA
SWISS MADE
INCH
05.30101
Stainless hardened

mm
6 inch
0.1 mm

VETEADORES

Allway
WOOD GRAINING SET
HERRAMIENTAS PARA GRANULACIÓN DE MADERA
LES OUTILE DE VEINAGE DE BOIS
SIMULATE WOOD GRAIN ON ANY SURFACE
SIMULAR GRAINO DE MADERA NATURAL
SIMULER LE GRAIN NATUREL DU BOIS
GT3
10023
allwaytools.com

YUNQUE

ITAKA

DEYSSER
HAMMER

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RM

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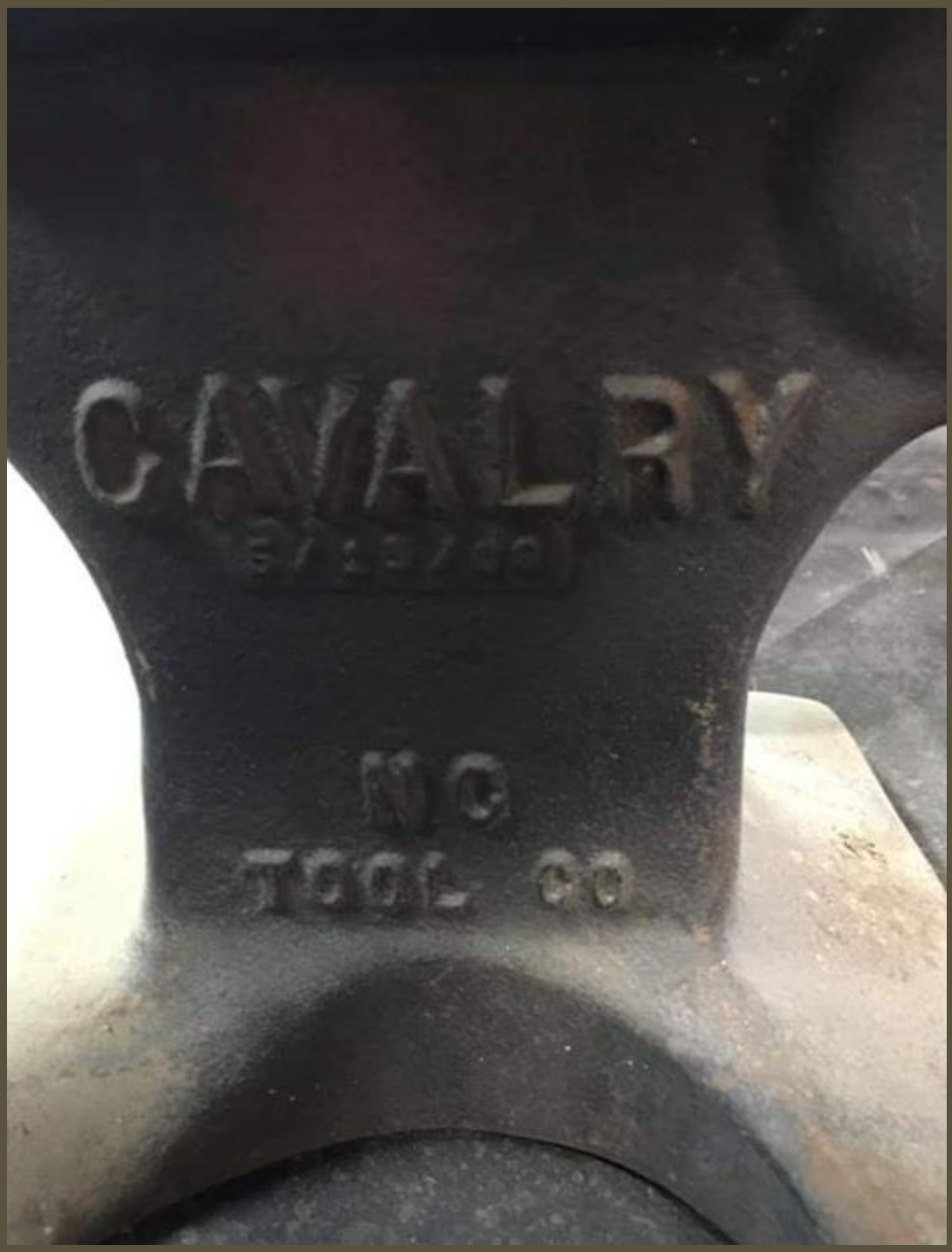
BauKer

3005
23

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

https://fhfdemexico.jimdofree.com/ https://www.grudisa.net/

BROOKS
ENGLAND
56 LB


CAVALRY
NC
TOOL CO

DEWALT

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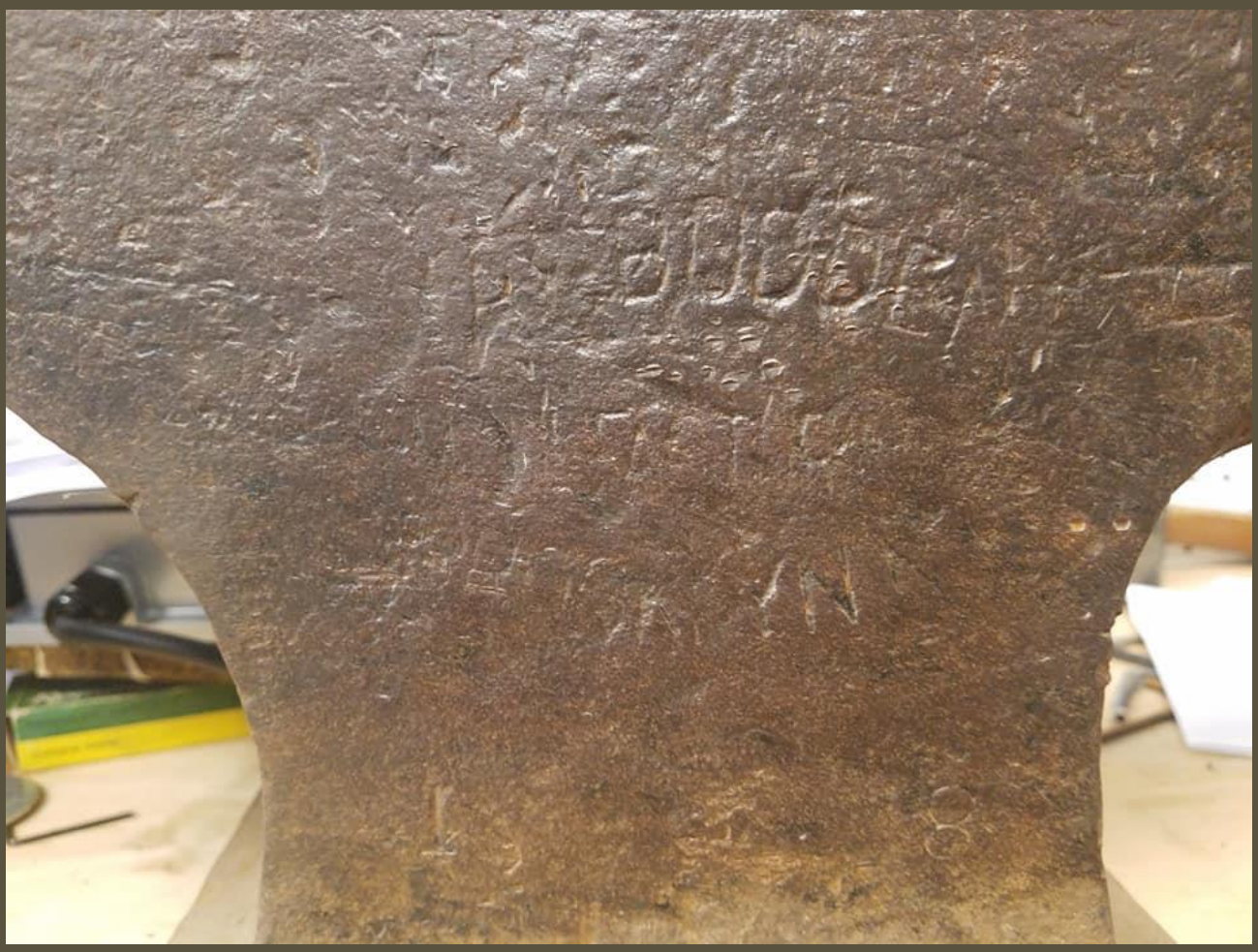

BURLINGTON, IA.

JOHN BROC
ENGLA

W.G

LIDER

MADE IN SWEDEN

PFP

PETER
WRIGHT
PATENT
ENGLAND

PEUGEOT

150
570KG

VULCAN