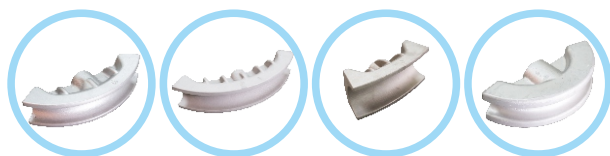




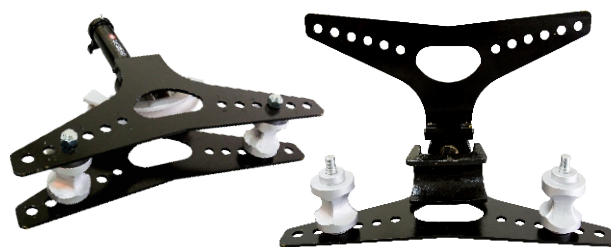
CPB-3



- ◆ Applicable to indoor electrical wires, water pipes, gas pipes, thick pipes, fire-fighting, and other bending engineer. It can bend and curve smoothly at different angles without wrinkles.
- ◆ The max. bending angle: 90 degrees. The max. bending diameter: 3". It can complete bending 1/2"~2" diameters at once; and approx. five times for the 2 1/2"~3" without depression.
- ◆ Meets the domestic piping demand, using aluminum alloy and ductile iron as alternatives for materials of bending dies.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).

CPB-4

- ◆ Applicable to indoor electrical wires, water pipes, gas pipes, thick pipes, fire-fighting, and other bending engineer. It can bend and curve smoothly at different angles without wrinkles.
- ◆ The max. bending angle: 90 degrees. The max. bending diameter: 3". It can complete bending 1/2"~2" diameters at once; and approx. five times for the 2 1/2"~4" without depression.
- ◆ Meets the domestic piping demand, using aluminum alloy and ductile iron as alternatives for materials of bending dies.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



P.S.: CPB-4 can be designed for a dual-circuit hydraulic cylinder to increase the speed of inlet and outlet oil (need to coordinate with the double-loop pump).

Standard Size Chart

Gas Pipe (SGP)				
Pipe Size	Pipe's Outer Diameter	Pipe's Inner Diameter	Pipe's Thickness	Bending Radius
SGP-15(1/2)	21.7	16.1	2.8	60
SGP-20(3/4)	27.2	21.6	2.8	80
SGP-25(1)	34	27.6	3.2	100
SGP-32(1 1/4)	42.7	35.7	3.5	130
SGP-40(1 1/2)	48.6	41.6	3.5	160
SGP-50(2)	60.5	52.9	3.8	220
SGP-65(2 1/2)	76.3	67.9	4.2	320
SGP-80(3)	89.1	80.7	4.2	425
SGP-90(3 1/2)	101.6	93.2	4.2	550
SGP-100(4)	114.3	105.3	4.2	600

Thick Steel Tube (B)				
Pipe Size	Pipe's Outer Diameter	Pipe's Inner Diameter	Pipe's Thickness	Bending Radius
B16(1/2)	21	16.4	2.3	75
B22(3/4)	26.5	21.9	2.3	90
B28(1)	33.3	28.3	2.5	130
B36(1 1/4)	41.9	36.9	2.5	195
B42(1 1/2)	47.8	42.8	2.5	230
B54(2)	59.6	54	2.8	270
B70(2 1/2)	75.2	69.6	2.8	450
B82(3)	87.9	82.3	2.8	500
B92(3 1/2)	100.7	93.7	3.5	500
B104(4)	113.4	106.4	3.5	680

Item	Output (Ton)	Thick Steel Tube (B)	Gas Pipe (SGP)	Weight (Kg)
CPB-3	17	D16(1/2")~D82(3")	D15(1/2")~D80(3")	18.6
CPB-4	20	D16(1/2")~D104(4")	D15(1/2")~D100(4")	28.8

Manual Bending E.M.T Pipe Tools (90-degree)

CPB-19A&CPB-25A&CPB-31A



- ◆ An aluminum gravity die casting has lightweight, high strength, smooth bending without wrinkling.
- ◆ A free bending E.M.T tube has the max. bending angle of 90 degrees. Attached with a handle that can easily make a one-time bending.

Item	Applicable E.M.T. Tube Diameter (mm)	Bending Angle	Weight (Kg)
CPB-19A	D19	90	0.5
CPB-25A	D25	90	0.8
CPB-31A	D31	90	1.5

Manual Bending E.M.T Pipe Tools (45-degree)

CPB-19B&CPB-25B&CPB-31B

- ◆ An aluminum gravity die casting has lightweight, high strength, smooth bending without wrinkling.
- ◆ A free bending E.M.T tube has the max. bending angle of 45 degrees. Attached with a handle that can easily make a one-time bending.

Item	Applicable E.M.T. Tube Diameter (mm)	Bending Angle	Weight (Kg)
CPB-19B	D19	45	0.3
CPB-25B	D25	45	0.4
CPB-31B	D31	45	0.76



Manual Ratchet Cable Bending Tool

CBH-90



- ◆ An aluminum gravity die casting has lightweight, high strength, smooth bending without wrinkling.
- ◆ A free bending E.M.T tube has the max. bending angle of 45 degrees. Attached with a handle that can easily make a one-time bending.

Item	Applicable Bending Range (mm ²)	Bending Angle	Weight (Kg)
CBH-90	150~325	90	3.1

Manual Brass Bending Tool

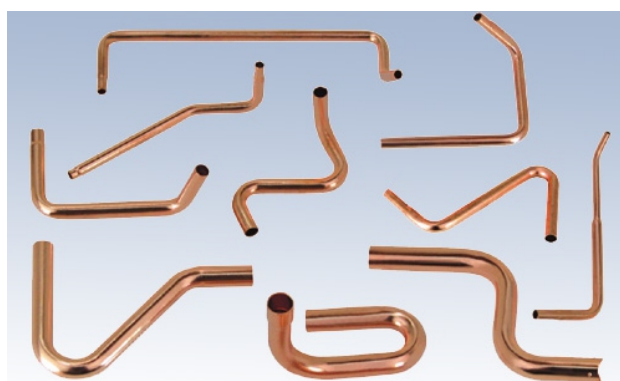
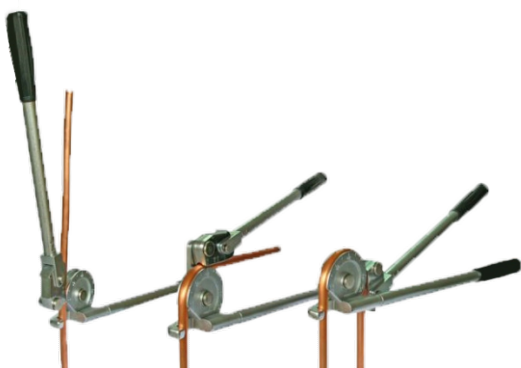


Imperial Standard Brass Range

Item	Applicable Tube Diameter (inch)	Radius of Tube Center (Inch)
CT-364A-04	1/4"	9/16"
CT-364A-05	5/16"	11/16"
CT-364A-06	3/8"	15/16"
CT-364A-08	1/2"	1-1/2"
CT-364A-10	5/8"	2-1/4"
CT-364A-12	3/4"	3"
CT-364A-14	7/8"	3"
CT-364A-10-4	5/8"	4"
CT-364A-12-4	3/4"	4"
CT-364A-14-4	7/8"	4"

Metric Standard Brass Range

Item	Applicable Tube Diameter (mm)	Radius of Tube Center (Inch)
CT-364M-06	6	9/16"
CT-364M-08	8	11/16"
CT-364M-10	10	15/16"
CT-364M-12	12	1-1/2"
CT-364M-16	16	2-1/4"
CT-364M-19	19	3"
CT-364M-22	22	3"



Manual Stainless Steel Bending Tool



Imperial Standard Brass Range		
Item	Applicable Tube Diameter (inch)	Radius of Tube Center (Inch)
CT-366A-04	1/4"	9/16"
CT-366A-05	5/16"	11/16"
CT-366A-06	3/8"	15/16"
CT-366A-08	1/2"	1-1/2"

Metric Standard Brass Range		
Item	Applicable Tube Diameter (mm)	Radius of Tube Center (Inch)
CT-366M-06	6	9/16"
CT-366M-08	8	11/16"
CT-366M-10	10	15/16"
CT-366M-12	12	1-1/2"



If there is a rusty nut is hard to remove or replace, this specific tool is able to cut the nut off and remove it easily.



Directly Screw Nut Cutting Tool

CNC-1924A

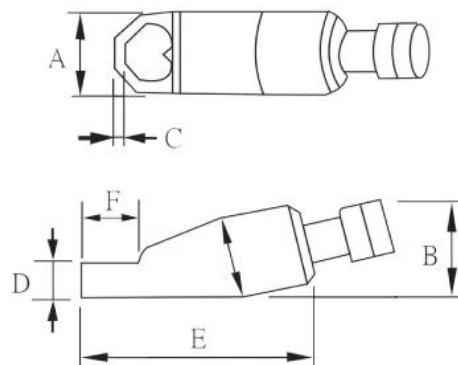


- ◆ A one-shaped EHV-hydraulic cutting machine uses two-stage manual oil output – high and low voltages. The max. output pressure: 700kgf/cm² (10000psi).
- ◆ Lightweight, easy to carry and operate, suitable for working high above the ground.
- ◆ The alloy-steel-made on the edge of a blade can get rid of all kinds of none-hardness screw nuts.
- ◆ Applicable to break bolts between the ranges: M12 to M16; nuts between the ranges: 19 to 24 (across flats-A/F).

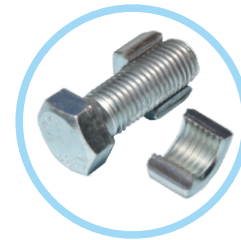


CNC-2432A

- ◆ A one-shaped EHV-hydraulic cutting machine uses two-stage manual oil output – high and low voltages. The max. output pressure: 700kgf/cm² (10000psi).
- ◆ Lightweight, easy to carry and operate, suitable for working high above the ground.
- ◆ The alloy-steel-made on the edge of a blade can get rid of all kinds of none-hardness screw nuts.
- ◆ Applicable to break bolts between the ranges: M16 to M22; nuts between the ranges: 24 to 32 (across flats-A/F).

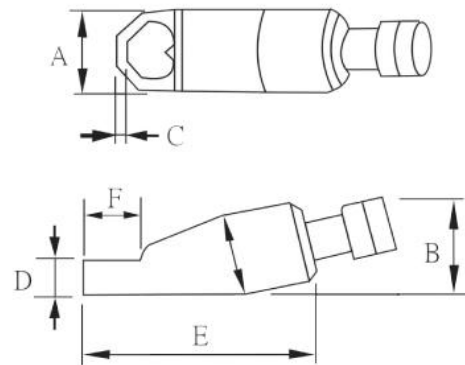


Item	Output (Ton)	Bolt Range (mm)	Hexagon Nut Range (mm)	Weight (Kg)	Sizes (mm)					
					A	B	C	D	E	F
CNC-1924A	10	M12-M16	A/F 19-24	4.5	40	48	6	19	119	28
CNC-2432A	17	M16-M22	A/F 24-32	7	55	71	8	25	153	38



Separate Screw Nut Cutting Tool

- ◆ The main part is made of alloy steel. Lightweight design, easy to operate, not easy to be damaged.
- ◆ The alloy-steel-made on the edge of a blade can get rid of all kinds of none-hardness screw nuts.
- ◆ There are seven standard screw-nut-breaking tools available.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).



Item	Output (Ton)	Bolt Range (mm)	Hexagon Nut Range (mm)	Weight (Kg)	Sizes (mm)					
					A	B	C	D	E	F
CNC-1319	5	M6-M12	A/F 13-19	2.3	40	48	6	19	119	28
CNC-1924	10	M12-M16	A/F 19-24	2.3	55	71	8	25	153	38
CNC-2432	14	M16-M22	A/F 24-32	3.1	62	76	10	30	177	49
CNC-3241	20	M22-M27	A/F 32-41	5.1	76	90	15	35	212	63
CNC-4150	35	M27-M33	A/F 41-50	12	96	109	18	45	244	73
CNC-5060	50	M33-M39	A/F 50-60	12.5	106	128	21	54	298	88
CNC-6075	90	M39-M48	A/F 60-75	18.2	156	184	27	75	365	110



Standard Type

- ◆ One-shaped EHV-hydraulic pulling machine uses manual extruding output. The max. output pressure: 700kgf/cm² (10000psi).
- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of 2-&3-claws and claws in different lengths can be used in and switching for different working environments.
- ◆ Removable telescopic handle and 360 ° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item	Output (Ton)	Pulling Depth (mm)	Pulling OD (mm)	Stroke (mm)	Hook Specification (mm)			Piston Specification (mm)			Weight (Kg)
					A	B	C	D	E	F	
CK-4in	4	165	30-200/260	55-105	15	7	22	85	42	25	5.5
CK-6in	6	165	30-200/260	82-130		7	22				5.9
CK-6inL		165	30-200/300	82-180	15	7	26	85	42	25	7
CK-6inB		165/195				7	26				8.4
CK-8in	8	210	30-250/355	82-160	20	7	26				8.1
CK-8inL		240	30-300/380	82-240	20	9	30	85	50	28	9.4
CK-8inB		210/240			20	7/9	26/30				11.5
CK-15in	15	240	50-280/380	82-180	20	9	30				9.8
CK-15inL		320	50-350/410	82-280	28	11	33	85	60	35	16.7
CK-15inB		240/320			20/28	9/11	30/33				18.9

Cobra Enhanced Type




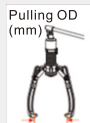
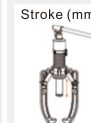
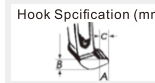

- ◆ One-shaped EHV-hydraulic pulling machine uses manual extruding output. The max. output pressure: 700kgf/cm² (10000psi).
- ◆ The forging alloy-steel-made cylinder and claw hooks are higher-strength not easily deformed, have high safety factor.
- ◆ Imitation Cobra type claw hook design, using triangular superficial measure design to withstand the maximum pulling up to 56800kgf, increasing more security, reliability.
- ◆ A combined design of 2-&/3-claws and claws in different lengths can be used in and switching for different working environments.
- ◆ Removable telescopic handle and 360° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item	Output (Ton)	Pulling Depth (mm)	Pulling OD (mm)	Stroke (mm)	Hook Specification (mm)			Piston Specification (mm)			Weight (Kg)
					A	B	C	D	E	F	
CK-10inC	10	195	30-250/310	82-130	13	5	22				7.4
CK-10inCL		250	30-280/340	82-180	15	8	25	103	42	25	9.9
CK-10inCB		195/250			13/15	5/8	22/25				10.8
CK-12inC	12	240	30-300/370	82-160	15		25				10.6
CK-12inCL		280	30-330/400	82-240	18	8	29	103	50	28	12.6
CK-12inCB		240/280			15/18		25/29				15.6
CK-20inC	20	275	50-360/430	82-180	18	8	29				14
CK-20inCL		330	50-380/450	82-280	28	11	33	103	60	35	16.5
CK-20inCB		275/330			18/28	8/11	29/33				22.5
CK-25inC	25	315	50-410/480	110-220	28	11	33				22
CK-25inCL		380	50-440/540	110-330	30	14	40	103	66	45	26.5
CK-25inCB		315/380			28/30	11/14	40				33.7
CK-30inC	30	405	100-540/610	110-260	30	14	40	160	76	55	35.4



Straight Screw Claw Type






- ◆ One-shaped EHV-hydraulic pulling machine uses manual extruding output. The max. output pressure: 700kgf/cm² (10000psi).
- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of screw claw, straight claw and collocate with press plate. Claws lengths can be lengthen, applicable to long axis, additional three-claw-seat can be purchased separately.
- ◆ Removable telescopic handle and 360° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item	Output (Ton)										Weight (Kg)
					A	B	C	D	E	F	
CK-601	6	300	90-210	82	—	—	—	85	42	25	6.9
CK-601C	10							103			
CK-801	8	300	90-220		—	—	—	85	50	28	7.4
CK-801C	12							103			
CK-602	6	190	90-210		15	7	24	85	42	25	6.6
CK-602C	10							103			
CK-802	8	245	90-220					103	50	28	7.7
CK-802C	12										
CK-603	6	190	90-210					85	42	25	8.6
CK-603C	10										
CK-803	8	245	90-220					85	50	28	9.8
CK-803C	12										



Straight Screw Claw Combo Type

- ◆ One-shaped EHV-hydraulic pulling machine uses manual extruding output. The max. output pressure: 700kgf/cm² (10000psi).
- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of screw claw, straight claw and collocate with press plate. Claws lengths can be lengthen, applicable to long axis, additional three-claw-seat can be purchased separately.
- ◆ Removable telescopic handle and 360 ° operation designed to facilitate the use in limited space.
- ◆ With rapid positioning adjustment nut design, improving efficiency, saving time and effort.
- ◆ Product surfaces by electroplating treatment, rust and wear-resistant.
- ◆ With fall prevention safety net and portable toolbox.

Item	Output (Ton)	Pulling Depth (mm)	Pulling OD (mm)	Stroke (mm)	Hook Spcification (mm)			Piston Specification (mm)			Weight (Kg)
						A	B	C		D	
CK-605	6	190/300	90-210	82	15	7	24	85	42	25	12.6
CK-605C	10							103			12.5
CK-805	8	245/300						85	50	28	13.7
CK-805C	12							103			13.5

Two-Slices Type Press Plate

- ◆ The forging alloy-steel-made press plates are not easily deformed.
- ◆ Puller work with kinds of different applications, avoiding damage the demolished objects.
- ◆ To hold the blade-style-designed press plate, suitable for use in narrow space.



Item	Output (Ton)	Sustain Range (Ton)	Diagram					Weight (Kg)
			A	B	C	D	E	
MP-40	4	5-60	4	18	100	62	M10X1.0	0.6
MP-90	4-12	15-110	4	21	125	89	M14X1.5	2.3
MP-115	8-12	15-150	5	26	145	112	M14X1.5	5.1
MP-140	4-15	35-170	7	34	255	153	5/8X18P	4.7
MP-225	20-40	20-180	6	32	255	148	M22X2.5	8.8
MP-300	25-50	25-250	7	40	355	218	M22X2.5	11.3



Standard Type

- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of 2-&/3-claws and claws in different lengths can be used in and switching for different working environments.
- ◆ Product by surfaces treatment, rust and wear-resistant.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Claws lengths can be customized in special lengthen and shape.



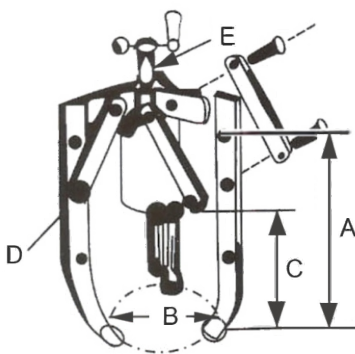
Item	Output (Ton)	Pulling OD (mm)	Accessory Hook (pcs)	Pulling Stroke (mm)
CPS-10L	10	304	3	254
CPS-15L	15	304	3	254
CPS-25L	25	457	3	364
CPS-50L	50	635	3	336
CPS-100L	100	1778	3	336



CPS-10



CPS-20



A: Hook length
B: Pulling range
C: Axis stroke
D: Fasten the adjustment screw
E: Rotation axis

Hollow Type

- ◆ The alloy-steel-made cylinder and claw hooks are not easily deformed, have high safety factor.
- ◆ A combined design of 2- & 3-claws and claws in different lengths can be used in and switching for different working environments.
- ◆ Unique center screw pre-conditioning designed, increasing the range of pulling depth, especially suitable for use in narrow space.
- ◆ Product by surfaces treatment, rust and wear-resistant.
- ◆ Need to coordinate with hydraulic pump (power pump: CTE-25AS, hand pump: CP-700, or foot pump: CFP-800).
- ◆ Claws lengths can be customized in special lengthen and shape.

Item	Output (Ton)	Hook Length A(Ton)	Pulling Range B(mm)	Axis Stroke C(Ton)	Pulling Stroke (mm)	Weight (Kg)
CPS-10	10	246	50-300	95	28	11
CPS-20	20	244	50-300	300	89	40
CPS-30	30	487	800	500	89	75
CPS-50	50	700	1000	700	85	139