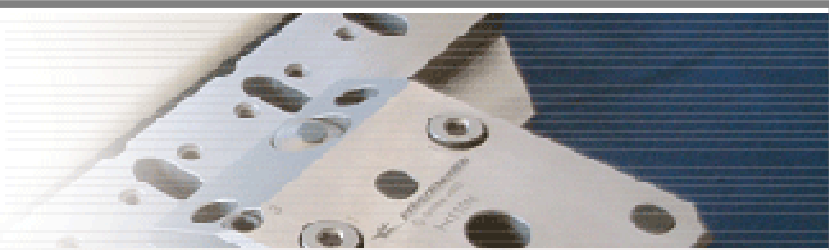




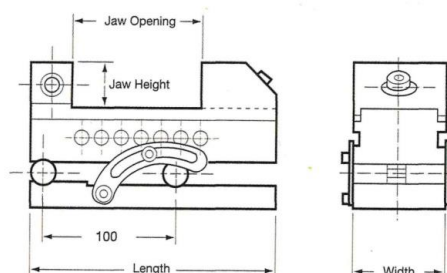
SKÄRPVERKTYG



Skruvstycken & chuckar med tillbehör

PRECISION MAKER VISE

MODEL:ESV-30A



25.4mm=1"

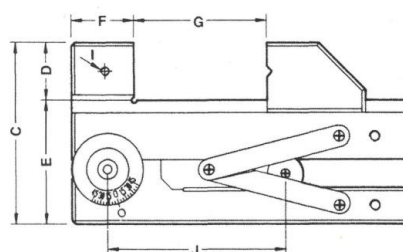
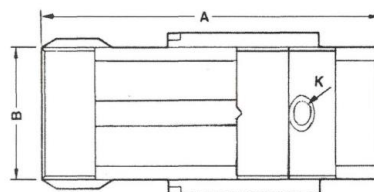
mm

MODEL	LENGTH	WIDTH	JAW OPENING	JAW HEIGHT	N.W.
ESV-20A	140	48	65	25	3.1kg
ESV-25A	170	63	90	35	4.6kg
ESV-30A	190	73	100	35	9.1kg

Material	SK 2
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.01mm/100mm
Harden treatment up to 55-58°	

HIGH QUALITY PRECISION MAKER VISE

MODEL:ESV



Material	YK30
Parallelism	Within 0.003mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 60	

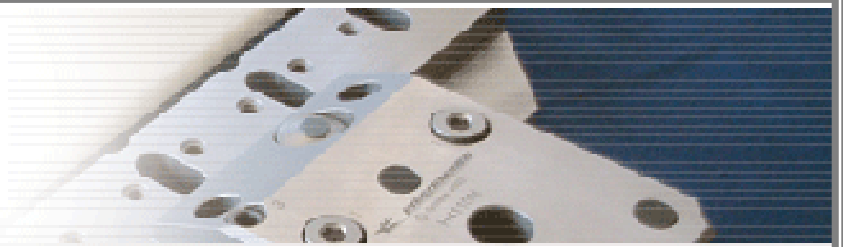
25.4mm=1"

mm

MODEL	A	B	C	D	E	F	G	I	J	K	N.W.
ESV-30	190	73	100	32	68	35	100	M6	100	M8×15	7.6 kg
ESV-40	230	98	115	40	75	40	125	M8	150	M10×65	13.5 kg

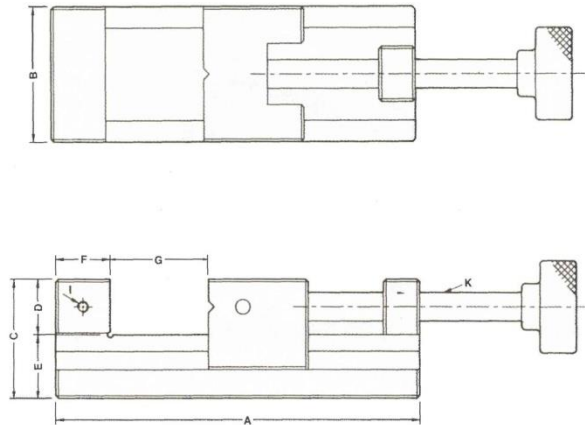
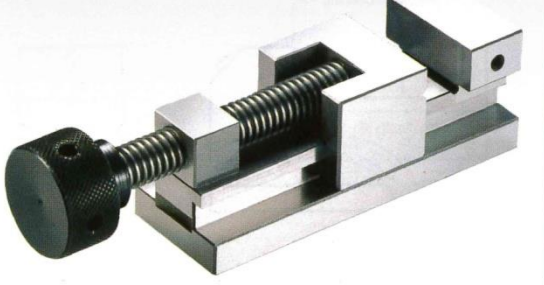


SKÄRPVERKTYG



HIGH QUALITY PRECISION MAKER VISE

MODEL:EUC



Material	YK30
Parallelism	Within 0.003mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 60	

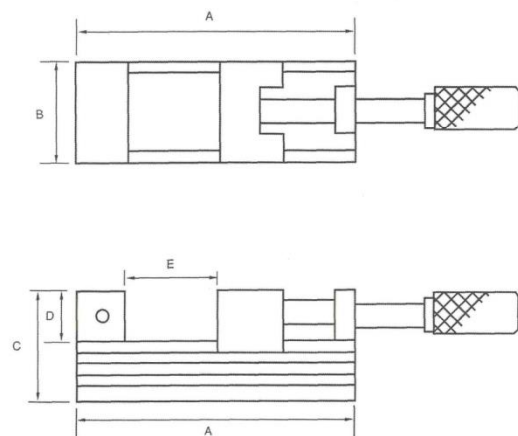
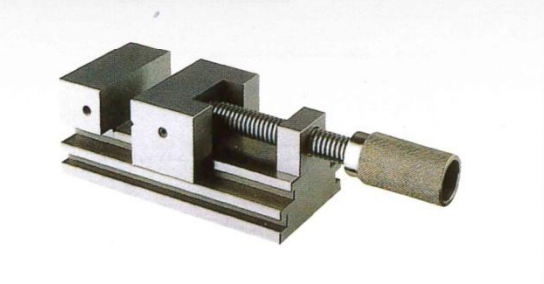
25.4mm=1"

mm

MODEL	A	B	C	D	E	F	G	I	J	K	N.W.
EUC-20	140	48	50	20	30	25	75	M6	—	Acme	2 kg
EUC-30	190	73	65	32	33	35	100	M6	—	Acme	5 kg
EUC-40	230	98	80	40	40	40	125	M8	—	Acme	10.5 kg

SUPER PRECISION MAKER VISE

MODEL:EUS



25.4mm=1"

mm

MODEL	A	B	C	D	E	N.W.
EUS-60	90	60	50	25	35	1.6kg
EUS-70	160	70	62	30	80	4.3kg

Material	SKS 3
Parallelism	Within 0.002mm/100mm
Squareness	Within 0.003mm/100mm
Harden treatment up to HRC 60	

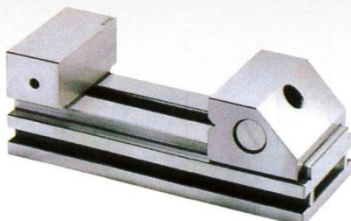


SKÄRPVERKTYG



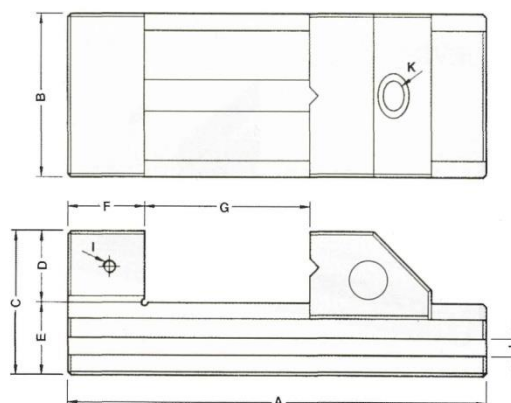
HIGH QUALITY PRECISION MAKER VISE

MODEL:EV



Material	YK30
Parallelism	Within 0.003mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 60	

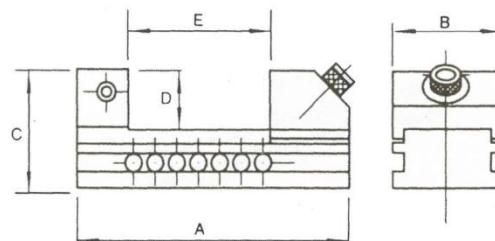
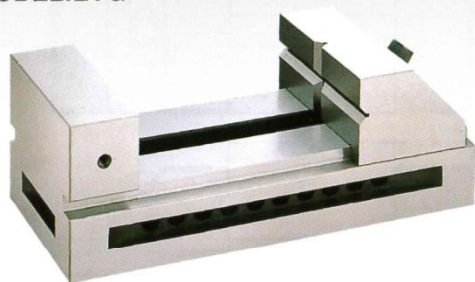
25.4mm=1"



MODEL	A	B	C	D	E	F	G	I	J	K	N.W.
EV-20	140	48	50	20	30	25	75	M6	6	M6×40	1.5 kg
EV-25	175	62	62	30	32	32	85	M6	8	M8×45	2.6 kg
EV-30	190	73	65	32	33	35	100	M6	8	M8×50	3.8 kg
EV-40	230	98	80	40	40	40	125	M8	10	M10×65	7.9 kg
EV-50	300	125	98	48	50	60	150	M8	12	M12×90	17 kg
EV-60	350	150	98	48	50	60	200	M8	12	M12×90	23 kg

PRECISION MAKER VISE

MODEL:EVG



25.4mm=1"

mm

MODEL	A	B	C	D	E	WEIGHT
EVG-50	285	125	100	50	150	17 KG
EVG-60	330	150	100	50	200	23 KG

Material	SK2
Parallelism	Within 0.003mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58	

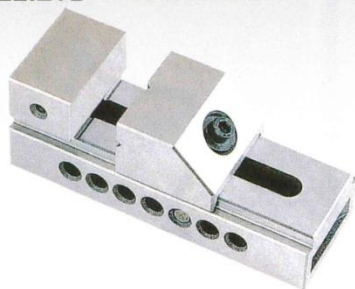


SKÄRPVERKTYG



PRECISION MAKER VISE

MODEL:EVB



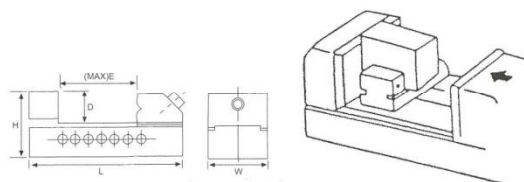
MODEL:EVB-10



25.4mm=1"

mm

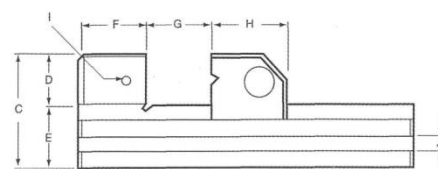
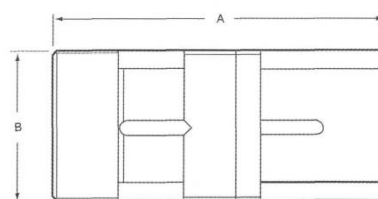
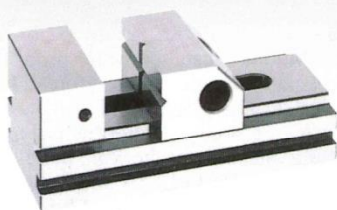
MODEL	L	W	E	D	H	N.W.
EVB-10	65	25	20	10	30	0.5 kg
EVB-15	100	36	40	20	40	1.3 kg
EVB-20	149	47	74	29	57	1.8 kg
EVB-25	169	62	89	34	62	2.8 kg
EVB-30	189	72	99	34	66	3.8 kg
EVB-35	225	88	120	45	85	7.5 kg
EVB-40	230	98	125	45	85	9 kg
EVB-50	287	125	157	50	100	18.3 kg
EVB-60	330	150	200	50	100	23 kg



Material	SK2
Parallelism	Within 0.003mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58	

PRECISION MAKER VISE

MODEL:EVC



Material	SK2
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58°	

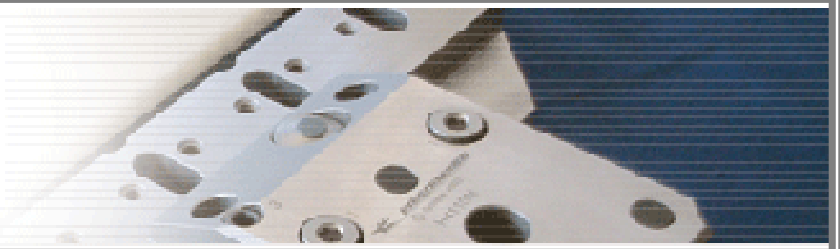
25.4mm=1"

mm

MODEL	A	B	C	D	E	F	G	H	I	J	N.W.
EVC-20	135	48	42	20	22	23	62	40	M6	5x7	2kg
EVC-25	160	70	62	30	32	33	80	45	M6	8x7	3kg
EVC-30	175	73	65	32	33	35	95	45	M6	8x7	4kg



SKÄRPVERKTYG



MC HYDRAULIC MACHINE VISE

MODEL:EBHV



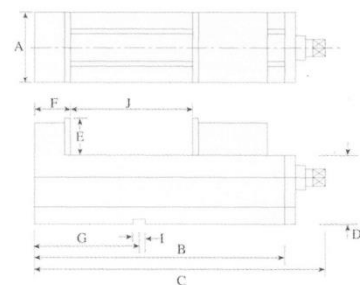
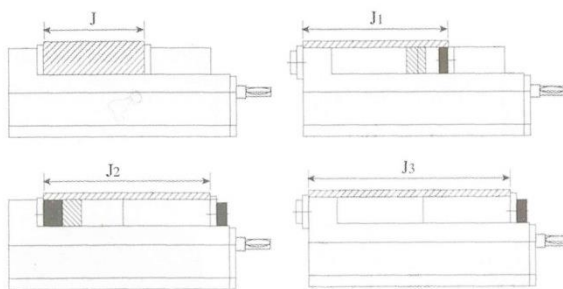
Hydraulic Type

FEATURES

1. One piece casting of vise bed and flexed jaw.
2. Down thrust "Semis-sphere Segment" mechanism-eliminates jaw lift and work tilt.
3. Rigid material-vise body of ductile iron FD60JIS (equal to GGG60) with 60 kgs/mm² or 80,000 psi tensile strength.
4. Vise bed flame with harden treatment up to HRC 45° and up takes up wear and maintain accuracy for long.

Accuracy testing standard

NO	Item	JIS grade 1	Guaranteed		
1	Vise side-lock on bottom to slide way square	0.020 100mm	0.010 100mm		
2	Keyways on bottom of vise bed square to clamping surface of jaw plate	0.020 100mm	0.015 100mm		
3	Both jaw plate parallel	0.020 100mm	0.020 100mm		
4	Max opening test block parallel to bottom of vise body	0.050 100mm	0.030 100mm		
5	Top of rectangular test block clamped tightly by jaw parallel to bottom of vise body	0.030 100mm	0.020 100mm		
6	Surface of vise bed parallel to bottom of vise body	0.020 100mm	0.015 100mm		



25.4mm=1"

mm

MODEL	A	B	C	D	E	F	G	I	Jaw Opening (Max.)				Clamping Force	Weight Body
									J	J1	J2	J3		
EBHV-100	101	340	470	85	48	80	125	16	125	190	230	320	4000kgf	27kg
EBHV-130	131	405	535	95	55	85	150	18	180	240	290	380	5000kgf	40kg
EBHV-160	161	495	625	105	58	100	165	18	240	320	360	470	6500kgf	58kg
EBHV-200	201	570	700	110	63	108	190	18	280	360	420	540	8000kgf	87kg

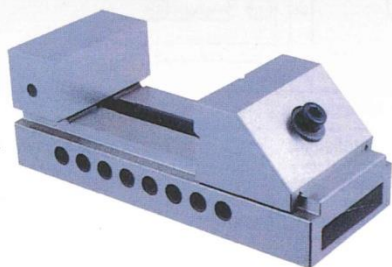


SKÄRPVERKTYG



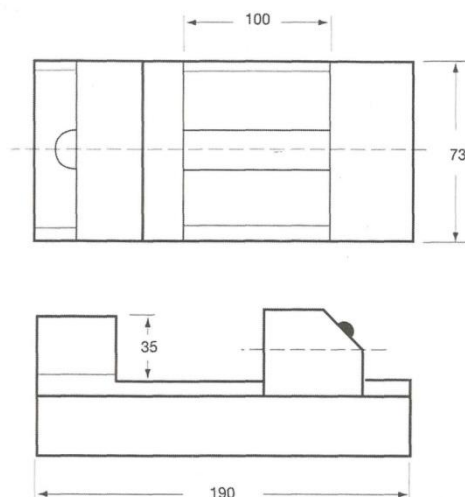
STAINLESS TYPE PRECISION VISE

MODEL:EV-30ST



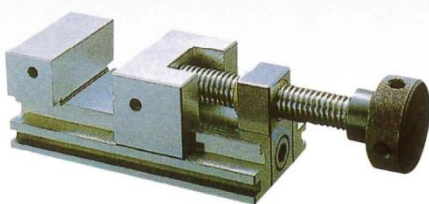
N.W.4kg

Material	SUS440
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58°	



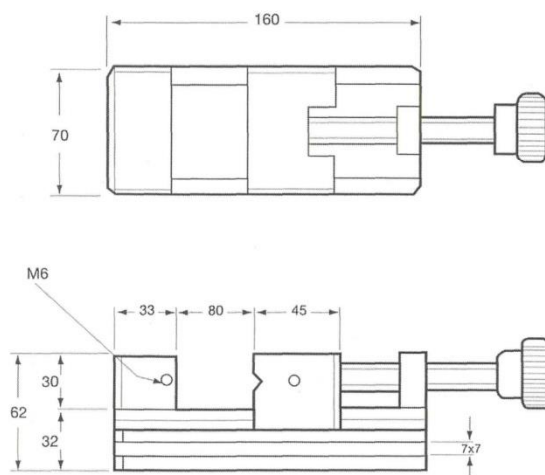
STAINLESS TYPE PRECISION VISE

MODEL:EU-25ST



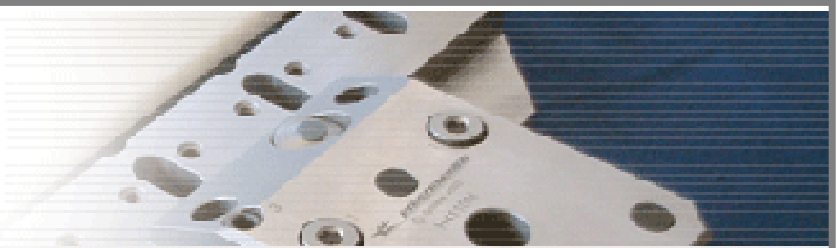
N.W.4kg

Material	SUS440
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58°	



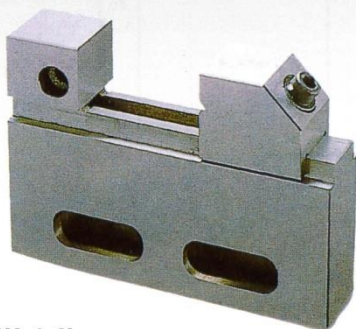


SKÄRPVERKTYG

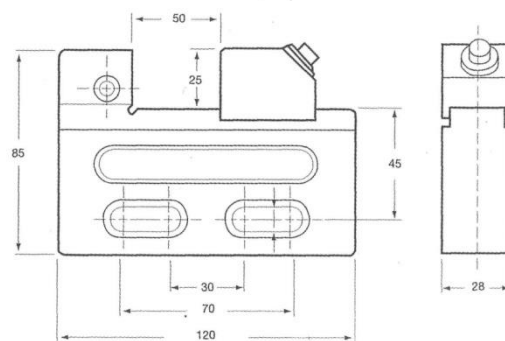


STAINLESS TYPE PRECISION VISE (For wire cutter use)

MODEL:EW-50ST



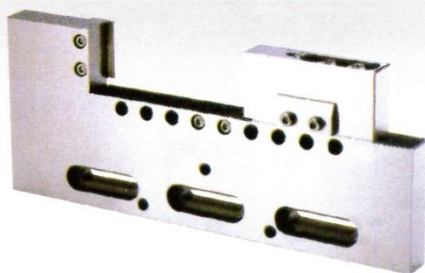
N.W. 1.4kg



Material	SUS440
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to	HRC 50-55°

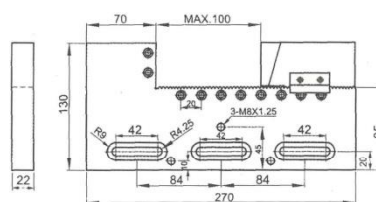
STAINLESS TYPE PRECISION VISE (For wire cutter use)

EW-100ST, EW-150ST



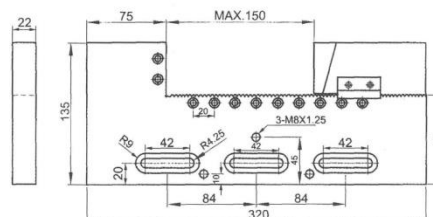
EW-100ST

N.W. 4.5kg



EW-150ST

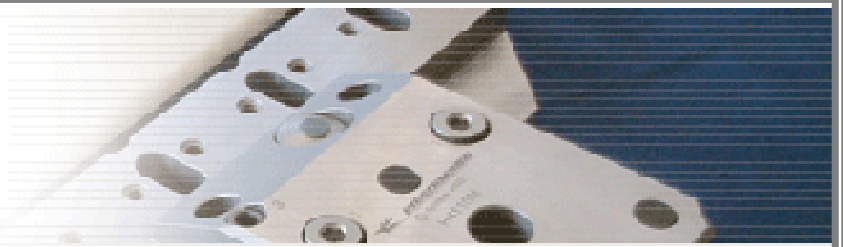
N.W. 5.5kg



Material	SUS440
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to	HRC 50-55°

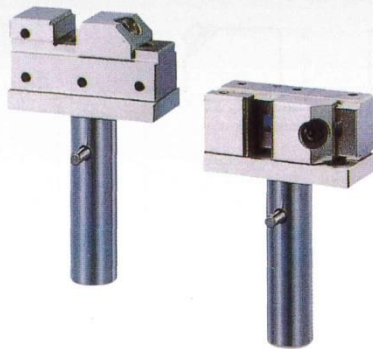


SKÄRPVERKTYG



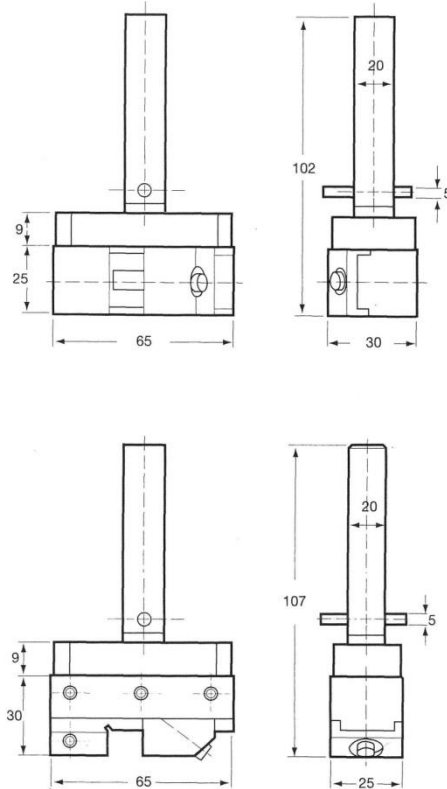
STAINLESS TYPE PRECISION VISE (For electrode machine use)

MODEL:EEV-20H



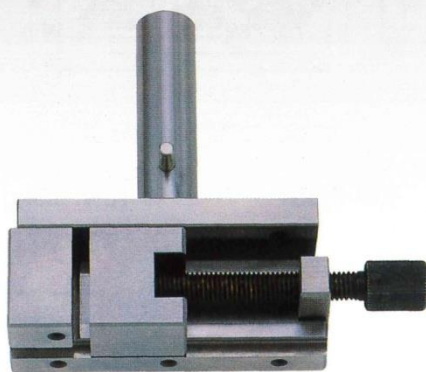
N.W. 0.8kg

Material	SUS440
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58°	

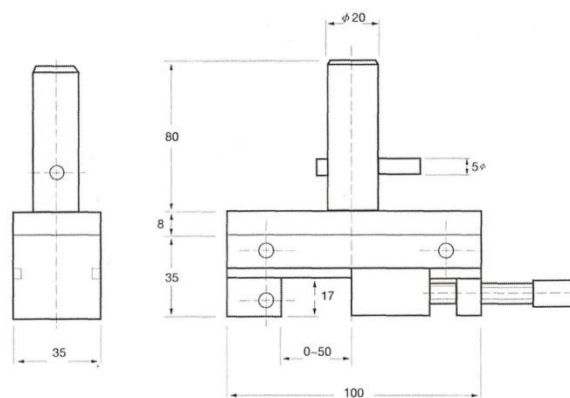


STAINLESS TYPE PRECISION VISE (For electrode machine use)

MODEL:EEU-50H



N.W. 1.2kg



Material	SUS440
Parallelism	Within 0.005mm/100mm
Squareness	Within 0.005mm/100mm
Harden treatment up to HRC 55-58°	

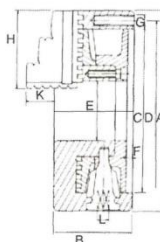
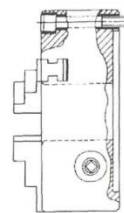
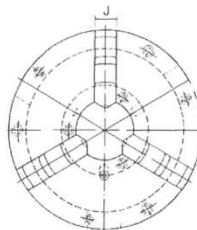


SKÄRPVERKTYG



3-JAW CHUCK

MODEL:SC



(Cheaper price required as Model SC-C see at price list)

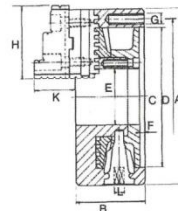
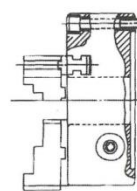
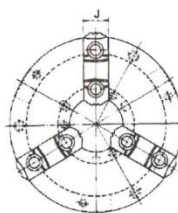
25.4mm=1"

Unit:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	Allowable (R.P.M)	Clamping Diameter		N.W.
													Outer Diameter	Inner Diameter	
SC-3	85	45	60	73	16	3.5	3-M6	35	11	15	7	2500	φ 2-70	φ 24-64	1.5kg
SC-4	112	58	80	95	24	4.5	3-M8	42	14	18	8	2500	φ 3-90	φ 32-84	3.7kg
SC-5	130	60	100	115	32	4.5	3-M8	50	16	20	8	2500	φ 3-110	φ 35-100	5.2kg
SC-6	167	65	130	147	45	5	3-M10	65	19	27	10	2000	φ 4-160	φ 48-150	9.3kg
SC-7	192	76	155	172	58	5	3-M10	75	22	28	11	2000	φ 4-180	φ 56-170	14.2kg
SC-8	202	76	160	176	58	5	3-M10	75	22	28	11	2000	φ 4-180	φ 56-170	16.0kg
SC-9	232	84	190	210	70	6	3-M12	85	24	33	12	2000	φ 5-220	φ 62-210	22.7kg
SC-10	273	86	230	250	89	6	3-M12	98	28	37	12	1800	φ 6-260	φ 70-250	31.8kg
SC-12	310	96	260	285	105	7	3-M12	110	30	44	14	1800	φ 10-300	φ 86-290	44.8kg
SC-16	405	122	345	375	145	8.5	6-M14	146	40	56	15	1500	φ 14-400	φ 100-380	102.0kg

3-JAW CHUCK (Powerful Type)

MODEL:SK



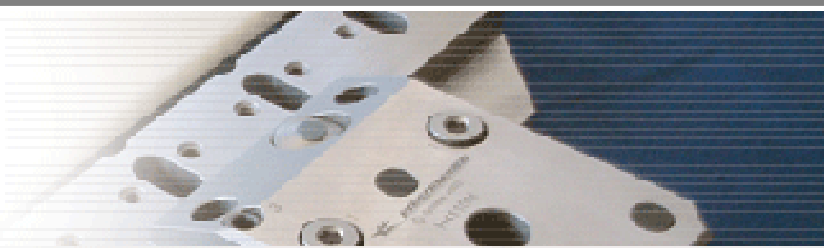
25.4mm=1"

Unit:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	Allowable (R.P.M)	Clamping Diameter		N.W.
													Outer Diameter	Inner Diameter	
SK-6	167	65	130	147	45	5	3-M10	68	26	39	10	2000	φ 8-160	φ 55-150	9.0kg
SK-7	192	76	155	172	58	5	3-M10	82	28	43	11	2000	φ 8-180	φ 62-170	13.8kg
SK-8	202	76	160	176	58	5	3-M10	82	28	43	11	2000	φ 8-180	φ 62-170	15.5kg
SK-9	232	84	190	210	70	6	3-M12	94	32	50	12	2000	φ 11-220	φ 70-210	22.0kg
SK-10	273	86	230	250	89	6	3-M12	94	32	50	12	1800	φ 12-260	φ 80-250	29.7kg
SK-12	310	96	260	285	105	7	3-M12	118	40	56	14	1800	φ 15-300	φ 90-290	43.5kg
SK-16	405	122	345	375	145	8.5	6-M14	150	45	75.5	15	1500	φ 30-400	φ 110-380	98.0kg



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WORK STOP TOOL

MODEL:EMS-160AH



MODEL:EMS-160BH



Typical Application



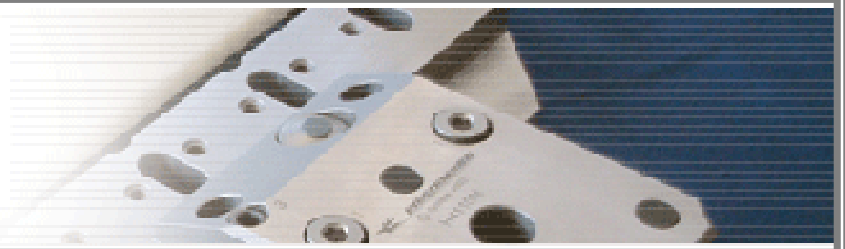
FEATURES

- 1.Quick, accurate and repeated use.
Set-up on many positions.
- 2.It can be locked in general machinery.
- 3.Operate easily and arbitrarily in adjusting height and direction.

MODEL	Apply to	N.W.	G.W.	Shipment Size	Remarks
EMS-160AH	All Machine Models	0.99kg	1.06kg	34x26x11cm	8pcs / CTN
EMS-160BH		0.8kg	0.88kg	34x26x11cm	8pcs / CTN

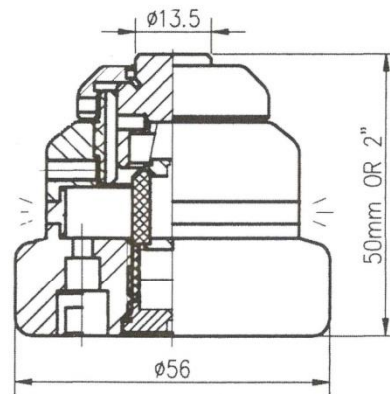


SKÄRPVERKTYG



Z AXIAL PRESET GAUGE

MODEL: EZOP-50

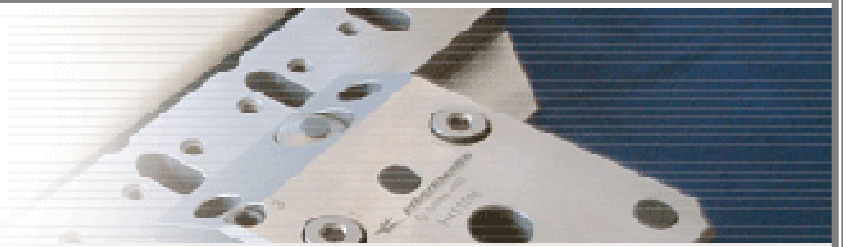


FEATURES

- 1.Height 50mm.
- 2.With the magnetic base.
- 3.The red lamp will light up when touched.
- 4.Accuracy 0.002mm.
- 5.Combine vertical and horizontal in one unit.
- 6.Net weight 0.5kg.



SKÄRPVERKTYG



MECHANICAL EDGE FINDER

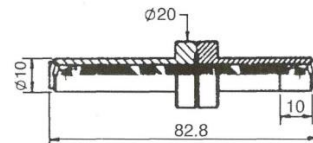
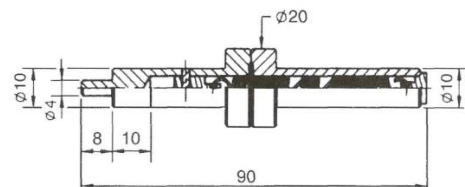
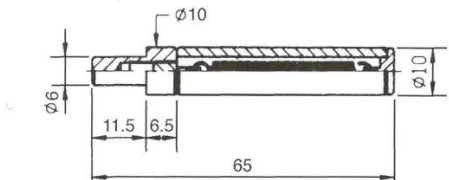
MODEL:ECE-3352 ECE-3354 ECE-3356



N.W. 0.05Kg

N.W. 0.10Kg

N.W. 0.11Kg

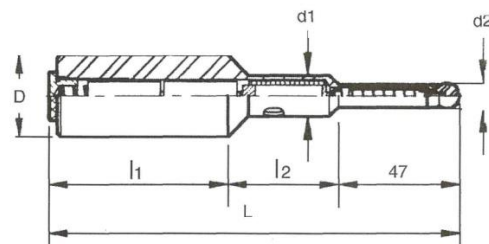
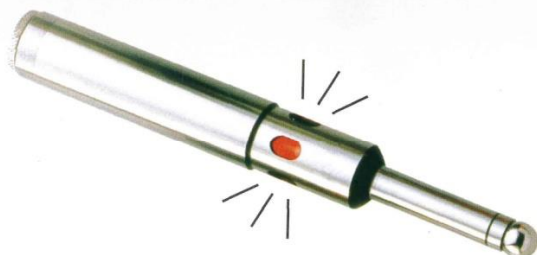


FEATURES

1. Accuracy of zero point is within 0.002mm.
2. R.P.M. within 400-600.
3. Min. (4mm) can be test mini hole for your workpiece.
4. Suitable for milling machine, drilling machine, boring machine.

OPTICAL EDGE FINDER

MODEL:ECE-3300



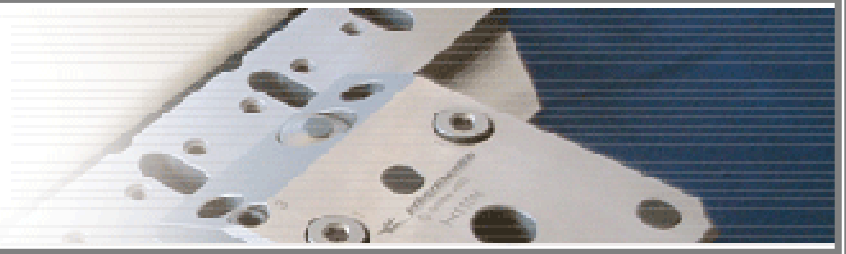
FEATURES

1. Quickly locate work edges.
2. Save time to find positions, for milling machines, jig borers, and other machine tools.
3. Uses dry batteries to light the red lamp.
4. The scope of application includes edge surface, inside and outside diameters and high efficiency.
5. There is a safety spring puller, which will put a ball precisely back to the position when ball breaks away from ball seat.

MODEL	D	d ₁	d ₂	L	l ₁	l ₂	BATTERY TYPE	WEIGHT
ECE-3301	OP-20	18	10	160	79	34	UM-5#(SP)×2PCS R1/1.5V	0.30 KG
ECE-3302	OP-32	18	10	160	79	34		0.60 KG
ECE-3303	OP-MT2	18	10	160	79	34		0.20 KG



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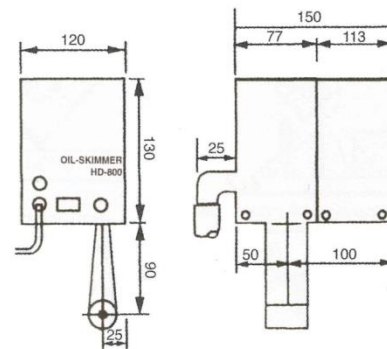
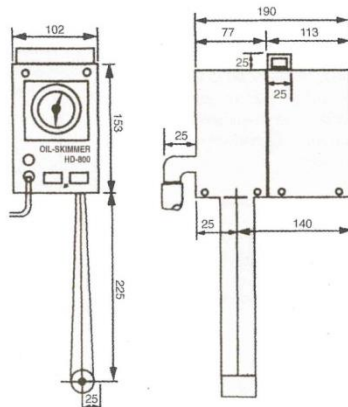
OIL SKIMMER

「OIL SKIMMER」 FOR MACHINE TOOL. IT IS FOR CLEAR FLOATING OIL ON CUTTING LIQUID.

MODEL:EHD-800



MODEL:EHD-810



FEATURES:

- 1.Oily leather belt cycle for collecting oil and efficiently and completely getting rid of useless oil.
- 2.Much less cost of running; without any material expended.
- 3.Small volume; light weight; easy to install and to operate.
- 4.Special leather belt with feature of excellent durability, heat-resistance, and chemical-resistance.
- 5.EHD-800 attached a 24 hours procedure timer to run repeatly in accordance with time proportion which it is set, and also provides the best efficiency of sucking floating oil.

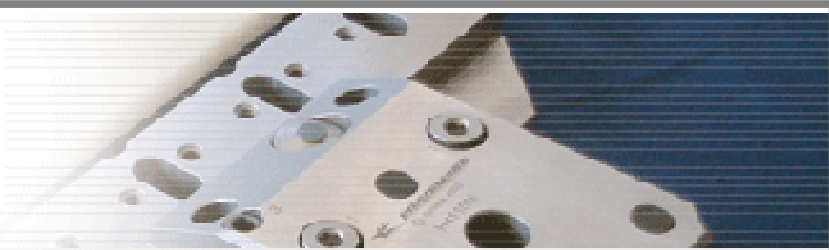
25.4mm=1"

mm

MODEL	POWER SOURCE	CAPACITY	DIMENSION			WEIGHT	BELT DIMENSION		DIMENSION OF HOSE
			L	B	H		B	L	
EHD-800	AC	4L/h	190 m/m	102 m/m	153 m/m	3.5 kg	39	800m/m	φ 22 x 600mm
EHD-810	110/220V		150 m/m	102 m/m	138 m/m	3.0 kg	39	550m/m	



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PRECISION PARALLELS SET

MODEL:ECE-014



N.W. 10kg SET mm

MODEL	W × H × L × PCS
ECE-014	10×14×150×2PCS
	10×16×150×2PCS
	10×18×150×2PCS
	10×20×150×2PCS
	10×22×150×2PCS
	10×24×150×2PCS
	10×26×150×2PCS
	10×28×150×2PCS
	10×30×150×2PCS
	10×32×150×2PCS
	10×35×150×2PCS
	10×40×150×2PCS
	10×45×150×2PCS
	10×50×150×2PCS

MODEL:ECE-017



N.W. 10kg SET mm

MODEL	W × H × L × h × PCS
ECE-017	5×16×100× 2PCS
	6×18×100× 2PCS
	8×24×100× 2PCS
	10×30×100× 2PCS
	12×36×150× 2PCS
	14×48×150× 2PCS
	18×60×150× 2PCS
	22×62×150× 2PCS
	31×15×200×2.5×2PCS

MODEL:EJC-345

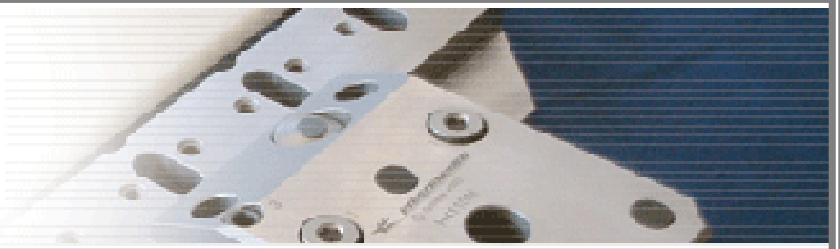


N.W. 6kg SET mm

MODEL	W × H × L × h × PCS
EJC-345	8×24×200× 2PCS
	12×36×200× 2PCS
	22×40×200× 2PCS
	31×15×200×2.5×2PCS

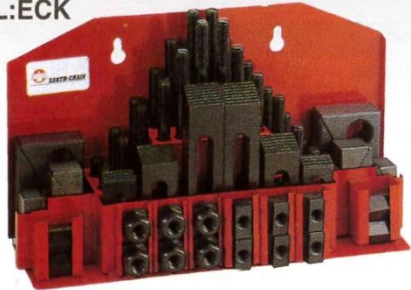


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52-PCS CLAMPING KIT

MODEL:ECK



T-Nuts 6pcs
Coupling Nuts 4pcs
Flange Nuts 6pcs
Step Clamps 6pcs
Step Blocks 6pcs
Studs 24pcs
24pcs Studs (3,4,5,6,7,8 inches or 75,100,125,150,175,200mm).
Heat treated steel black oxide finished.
Can be purchased individually all the parts of every specifications.

Unit:mm

Unit : inch

MODEL	TABLE SLOT	STUD SIZE	G.W. kg	MEAS. CFT
ECK-103A	7/16"	3/8"-16	8.0	(C)
ECK-103B	1/2"			0.8
ECK-104A	9/16"	1/2"-13	11.7	(C)
ECK-104B	5/8"			1.0
ECK-105A	11/16"	5/8"-11	14.5	(C)
ECK-105B	3/4"			1.5

MODEL	TABLE SLOT	STUD SIZE	G.W. kg	MEAS. CFT
ECK-08	10	8-1.25P	7.0	(C)
ECK-10	12	10-1.5P	8.5	0.8
ECK-12A	14	12-1.75P	11.0	(C)
ECK-12B	15.7			1.0
ECK-14	16	14-2.0P	12.5	(C)
ECK-16	18	16-2.0P	14.5	1.5
ECK-18	20	18-2.5P	31	(C)1.6



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