

IKURATOOLS

FULL LINE-UP BROCHURE

hirosawa group



Manufactured by
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Access to website of
IKURASEIKI CO.,LTD by reading
the left QR code by smartphone
and tablet terminal.

IKURATOOLS

育良精機株式会社

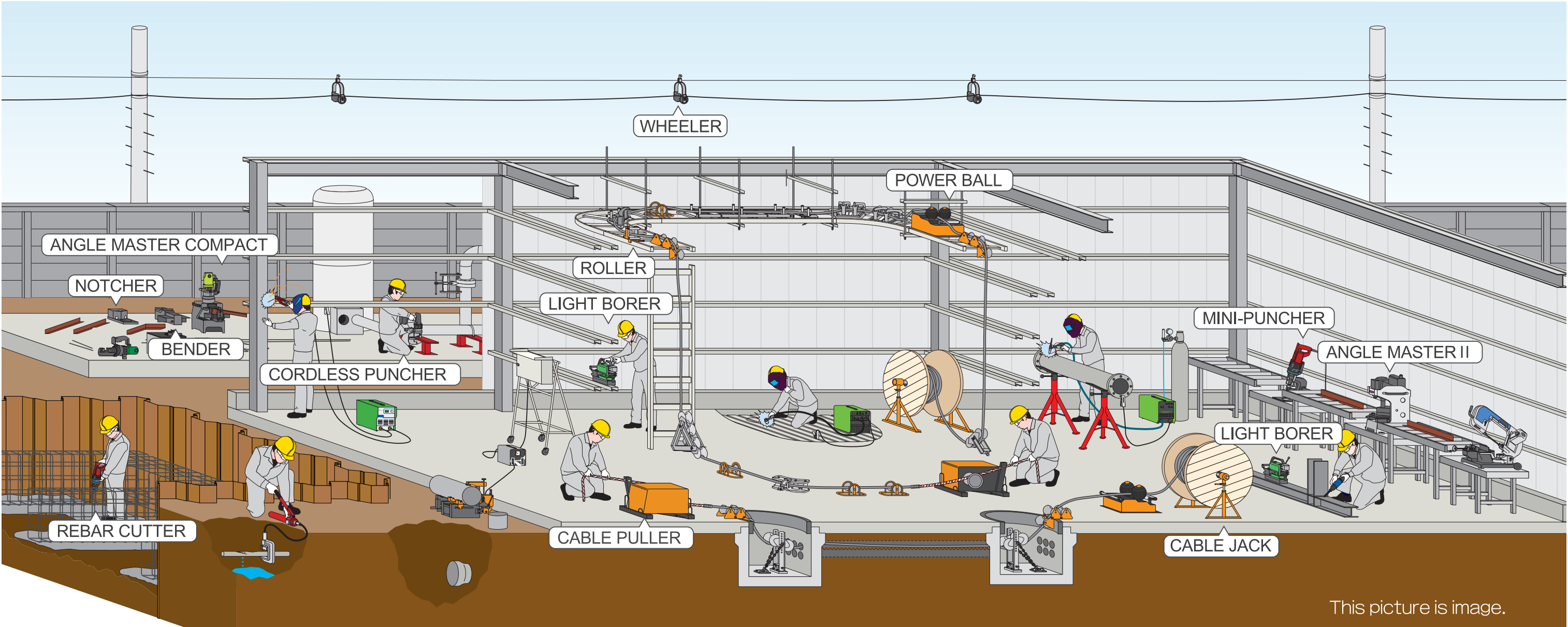
Leading Japan Brand



FULL LINE-UP BROCHURE

Ikura tools serves you
shorter constrution period&cost-saving.

<http://www.ikuratools.com>



This picture is image.

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Check



the demonstration video by reading the QR code.

Access to website of the demonstration video by reading the QR code by smartphone and tablet terminal.



INVERTER WINCH

CW-IV400

10142



Suitable combine with cable feeding machine
“POWER BALL” by adjusting the pulling speed widely.

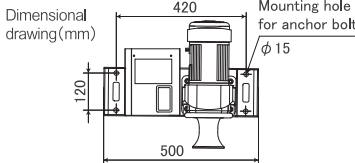
● Specification

Pulling Force	4.3kN (MAX)
Pulling Speed	0.8~17.0m/min
Power	AC100V-115V, AC220-230V 50/60Hz
Output	400W
Dimension	W500×L411×H269mm
Accessories	Foot Switch (Cord length : 2m), Controller

23kg



With digital display of pulling speed.
Can estimate the working hours.



Pulling speed (m/min)	0.8	4.2	8.5	17.0
Max pulling force (kN)	3.0	4.3	3.8	1.5

CABLE PULLER

CW-700D

10001

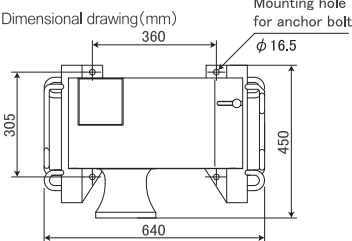
With reverse rotation
preventing mechanism.



59kg

● Specification

Pulling Force	3.9kN in high speed / 6.9kN in low speed
Pulling Speed	HIGH : 21.9~11.5m/min LOW : 12.5~6.6m/min
Power	AC100V-115V, AC220-230V 50/60Hz
Output	750W
Dimension	W450×L640×H300mm
Accessories	Foot Switch (Cord length : 1m)



CW-1500D

10002

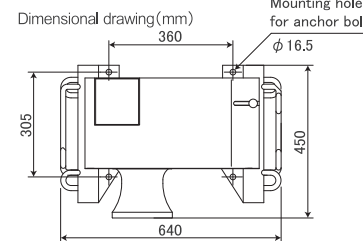
With reverse rotation
preventing mechanism.



59kg

● Specification

Pulling Force	7.8kN in high speed / 14.7kN in low speed
Pulling Speed	HIGH : 10.2~4.4m/min LOW : 5.8~2.5m/min
Power	AC100V-115V, AC220-230V 50/60Hz
Output	750W
Dimension	W450×L640×H300mm
Accessories	Foot Switch (Cord length : 1m)



CW-2500D

10003

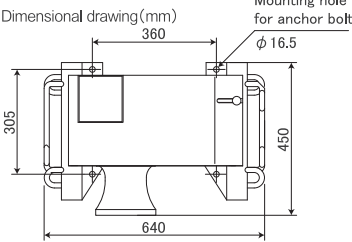
With reverse rotation
preventing mechanism.



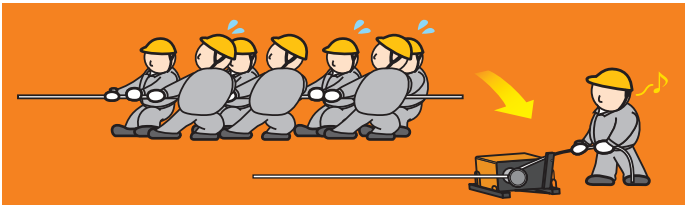
59kg

● Specification

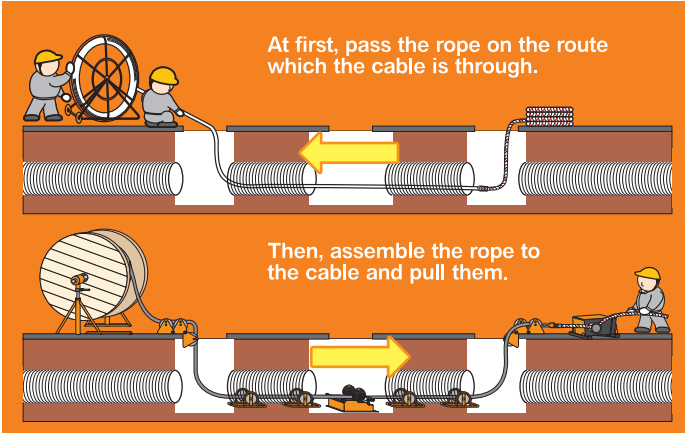
Pulling Force	14.7kN in high speed / 24.5kN in low speed
Pulling Speed	HIGH : 6.4~3.5m/min LOW : 3.7~2.0m/min
Power	AC100V-115V, AC220-230V 50/60Hz
Output	750W
Dimension	W450×L640×H300mm
Accessories	Foot Switch (Cord length : 1m)



Advantage of using the Cable puller



How to pass the cable by using our products



IKURA Cross rope



Processed both ends (with protective tube)
Cross rope
Aramid fiber rope
Vectran fiber rope

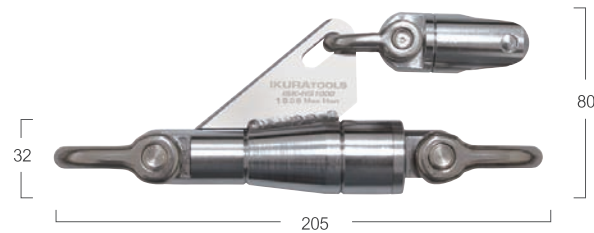
Cross rope					
Diameter (mm)	10			12	
Length (m)	50	100	200	50	100
Tension strength (kN)	20.6			28.9	
Code number	20200	20201	20202	20203	20204
Cross rope					
Diameter (mm)	14			16	
Length (m)	50	100	200	50	100
Tension strength (kN)	38.5			49.3	
Code number	20206	20207	20208	20209	20210
Cross rope		Aramid fiber rope		Vectran fiber rope	
Diameter (mm)	18	8		9	
Length (m)	50	100	200	100	200
Tension strength (kN)	61.5	32.5		31.5	
Code number	20212	20213	20214	20215	20216

Hyvel

ISK-HS1000

20112

Tow the cable and the spare rope at once.



Example



※The rope and the cable grip in the picture aren't standard.

● Specification

Maximum safe load	9.8kN
-------------------	-------

1kg

Cable master

PAT.P

ISK-DK325CV

10138

For stripping of waste wire.
Almighty, high power.



● Specification

Power source	AC100V 50/60Hz
Speed	CV 15m/min (100mm ² 50Hz) VVF 10m/min (φ2.6-3.2 50Hz)
Motor	750W
Dimension	W560×D270×H600mm

64kg

The wire which appropriate for cutting blade mode

CVT	6600V cross linked polyethylene insulated PVC sheathed cable (6600V CVT(EE) and CV(EE) can't separate easily.)
CV	
CV	
CVD	600V cross linked polyethylene insulated PVC sheathed cable (About multi core CV, Separate the cable jacket, then separate the single core by cutter.)
CVT	
CVQ	
IV	600 V polyvinyl chloride insulated wires
Dimension	Conductor : 8mm ² ~325mm ² External diameter of cable jacket : less than 38mm

The wire which appropriate for roller mode

VVF(VA)	600V Vinyl insulated Vinyl sheathed Flat-type cable Double core, triple core / with cable jacket
VVR(SV) (single core)	600V Vinyl insulated Vinyl sheathed cable (Separate the cable jacket by cutter, then separate the single core by roller.)
Dimension	Conductor φ1.6mm φ2.0mm φ2.6mm

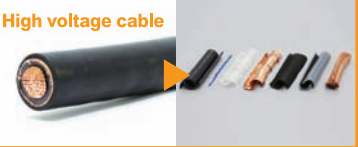
Cutting blade mode

CV Dimension of single core 8mm²~325mm²

600V



6600V



Roller mode

VVF(VA) Single core, double core, triple core φ1.6mm φ2.0mm φ2.6mm



Also twisted wire is OK.

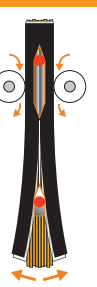


Can feed smoothly by adopting roller guide.

Cut in by using rotating cutter.

Extend the cut.

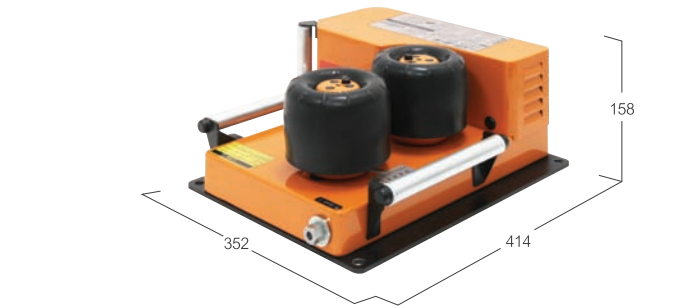
Easily stripping



POWER BALL MINI **PAT.P** Inverter control type cable feeding machine

ISK-PB203M Suitable in the narrowly spaced multistage rack and narrow laying route.

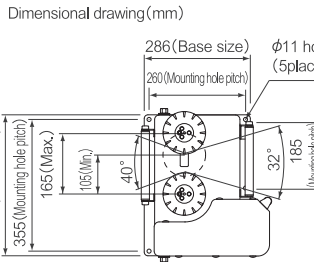
20116



●Specification

Power supply	Three phase 200V
Output	200W
Conveying power	196kN (200kgf)±10%
Conveying speed	4.2~20m/min
Applicable cable diameter	φ 1~65
Base size	W380×L286mm
Input cable	4m
Dimensions	W414×L352×H158mm
Accessories	Ratchet spanner Air pump

18kg



POWER BALL **PAT.P** Inverter control type cable feeding machine

ISK-PB203 In feeding of long distance with cable on the rack.

20107

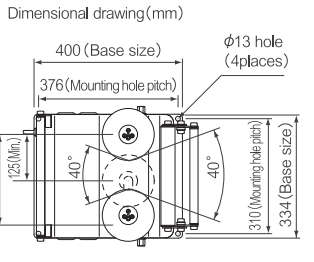


※Need to use with ISK-V100, ISK-V200 or ISK-V220

●Specification

Power supply	Three phase 200V
Output	200W
Conveying power	196kN (200kgf)±10%
Conveying speed	3.7~20m/min
Applicable cable diameter	φ 1~100
Base size	W334×L400mm
Input cable	4m
Dimensions	W376×L442×H270mm
Accessories	Ratchet spanner Air pump

26kg



POWER BALL **PAT.P** Inverter control type cable feeding machine

ISK-PB403 Feeding from cable drum or approach from cable duct.

20115

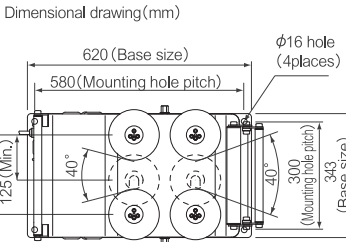


※Need to use with ISK-V100, ISK-V200 or ISK-V220

●Specification

Power supply	Three phase 200V
Output	400W
Conveying power	392 kN (400kgf)±5%
Conveying speed	4.9~27m/min
Applicable cable diameter	φ 1~100
Base size	W343×L620mm
Input cable	4m
Dimensions	W414×L352×H158mm
Accessories	Ratchet spanner Air pump

48kg



Inverter box

ISK-V100 Safe and maintenance for quality of cable laying. Efficiency of construction of cable feeding by using with winch.

20108

ISK-V200

20109

ISK-V220

20108

●Specification ISK-V100

Power supply	Single phase 100V 50/60Hz
Output voltage	Three phase 200V
Capacity	0.75kW
Adjustable range for conveying speed	35~120Hz
Input cable	3m
External dimensions	W192XL300XH470mm
Accessories	Controller

12.0kg

●Specification ISK-V220

Power supply	Single phase 220V 50/60Hz
Output voltage	Three phase 200V
Capacity	2.2kW
Adjustable range for conveying speed	35~120Hz
Input cable	3m
Dimensions	W192XL300XH470mm
Accessories	Controller

12.0kg

●Specification ISK-V200

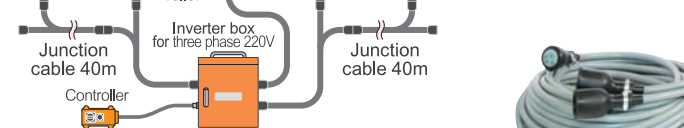
Power supply	Three phase 200V 50/60Hz
Output voltage	Three phase 200V
Capacity	3.7kW
Adjustable range for conveying speed	35~120Hz
Input cable	3m
External dimensions	W192XL300XH470mm
Accessories	Controller

12.5kg

40m Junction cable for inverter box.

ISK-PBC40

20016



The picture is for illustrative only.
If connect 18 units of power ball, can not use at maximum capacity.

Max number of connectable units

	Three phase 200V	Single phase 100V
ISK-PB203M	18units (Recommendation8units)	3units (Recommendation2units)
ISK-PB203	18units (Recommendation8units)	3units (Recommendation2units)
ISK-PB403	9units (Recommendation5units)	1units (Recommendation1units)※

※Max. Conveying power is 2.45kN (250kgf)

Rack mount base for Power ball

ISK-PR203 ISK-PB203M / ISK-PB203

20120



Image of ISK-PB203

●Specification

Adapted dimension of rack	Height : 70, 100mm Width : 500mm~
Adapted cable diameter	φ ~85 (Rack height 100mm) φ ~72 (Rack height 70mm)
Adapted model	ISK-PB203M / ISK-PB203
External dimension	W632 (Max)×L707×H125mm
Standard accessories	Hexagon bolt (M10×20)×4

9.5kg

Multipurpose wheeler

Three-sided metal wheel for extending the cable

Opening-closing with one-touch type



Open position

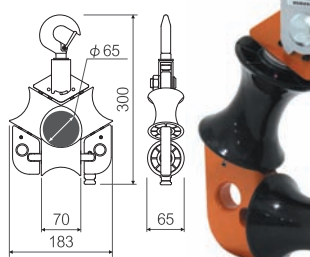
IS-3W65 Usage example



IS-3W65 Hook type

10126

Dimensional drawing (mm)



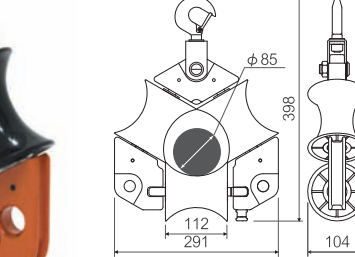
●Specification

Maximum safe load	2kN
Dimension of open position	68mm

IS-3W85 Hook type

10127

Dimensional drawing (mm)



●Specification

Maximum safe load	3kN
Dimension of open position	88mm



4.2kg

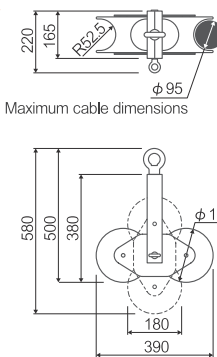
Seesaw wheeler

IS-CB I Can disassembling and carrying easily

10123



Dimensional drawing (mm)



●Specification

Maximum safe load	14.7kN
Radius	300mm

Light
Compact
Free radius

IS-CB II Can disassembling and carrying easily

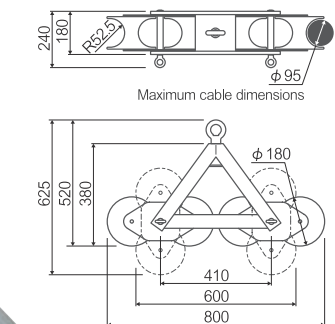
10124



Right and left rollers rotate independently.

Flexion part of cable extension construction

Dimensional drawing (mm)



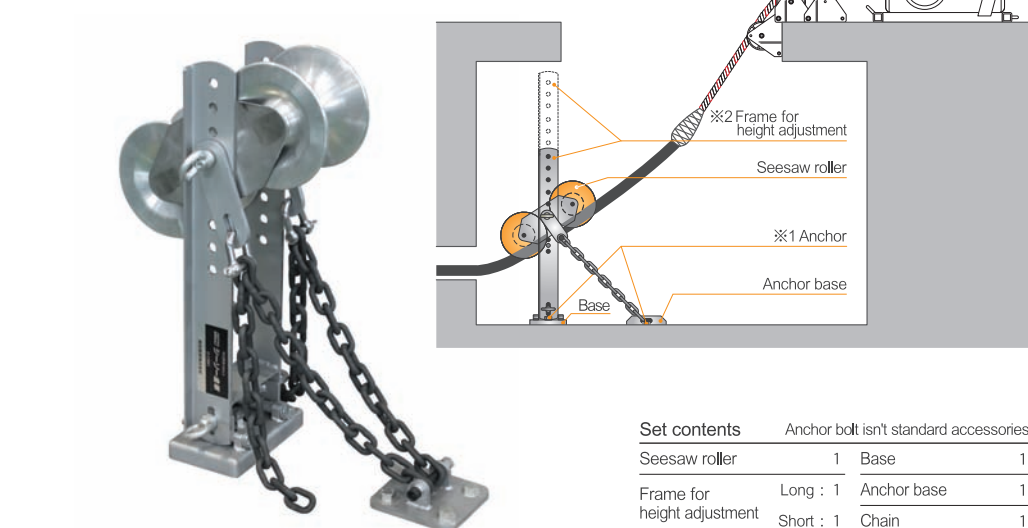
●Specification

Maximum safe load	19.6kN
Radius	600mm

Seesaw wheeler

IS-CBM I Easy to do Hand hole operation

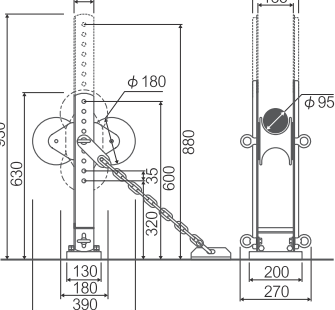
10125



Set contents	Anchor bolt isn't standard accessories.
Seesaw roller	1 Base 1
Frame for height adjustment	Long : 1 Anchor base 1
	Short : 1 Chain 1

Flexion part of cable extension construction

Dimensional drawing (mm)



※ 1 Maximum safe load depend on the force of anchor.
※ 2 Long and short frames are attached.
※ 3 If using winch, rope end retainer is needed.

●Specification

Maximum safe load	9.8kN
Radius	300mm

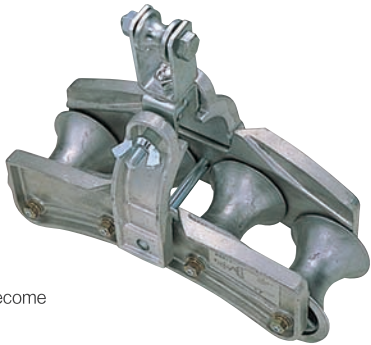
17(19) kg

4-Wheeler

IS-4W

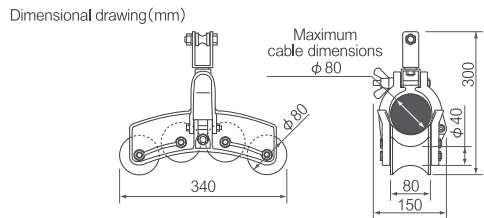
10100

Caution
Use for corners and so on.
Not for changing of direction.
Be sure to attach the fixed part
of hanging ring as it can move.
Otherwise, it might be caused become
deformed or breakdown.



4.5kg

●Specification	
Maximum safe load	6.8kN



IS-4WH

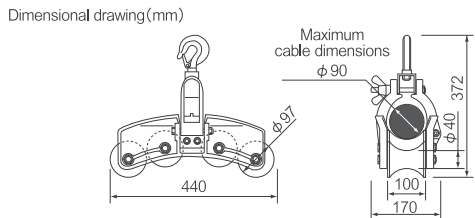
10101

Caution
Use for corners and so on.
Not for changing of direction.
Be sure to attach the fixed part
of hanging ring as it can move.
Otherwise, it might be caused become
deformed or breakdown.



7.8kg

●Specification	
Maximum safe load	17.6kN



Cable sheave

IS-OW1

10118



0.75kg

●Specification	
Maximum safe load	0.98kN
Dimentsion (mm)	A 104 C 220 B 65 D 60

ISK-OW2S

10137



0.85kg

●Specification	
Maximum safe load	1.17kN
Dimentsion (mm)	A 136 C 226 B 53 D 85

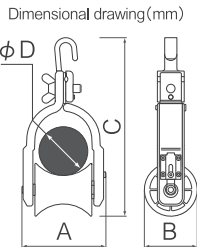
IS-OW2

10119



1.6kg

●Specification	
Maximum safe load	1.47kN
Dimentsion (mm)	A 148 C 298 B 104 D 100



Easy to open the arm by lever.
If close the arm, will be locked.
Adopted the roller with bearing.

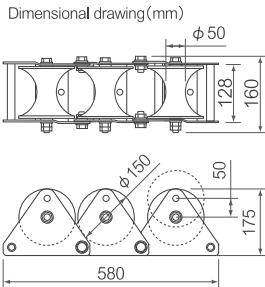
Flex roller

ISS-3600

10109



Useful for manhole.



12kg

●Specification	
Maximum safe load	5.8kN

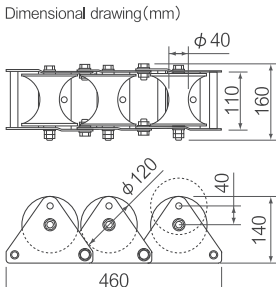
ISS-3400

10108



Angle of consecutive parts are flexible,
and can do additional.

Useful for rack.



6.5kg

●Specification	
Maximum safe load	3.9kN

Movable square roller

ISK-MW110

10140 PAT.P

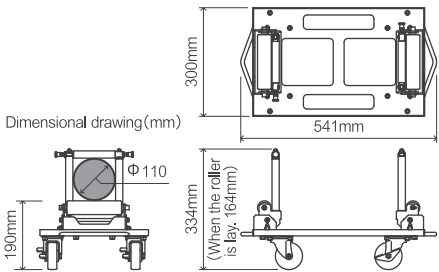
Can draw the cable with safe and sure without person
because move according to the swing of cable.



Carrying easily and saving-space
because can be stacking.

8.5kg

●Specification	
Maximum safe load	0.98kN
Maximum cable dimensions	110mm



Can opening-closing with
one-touch easily by using lever.
Can take the cable in and out easily.



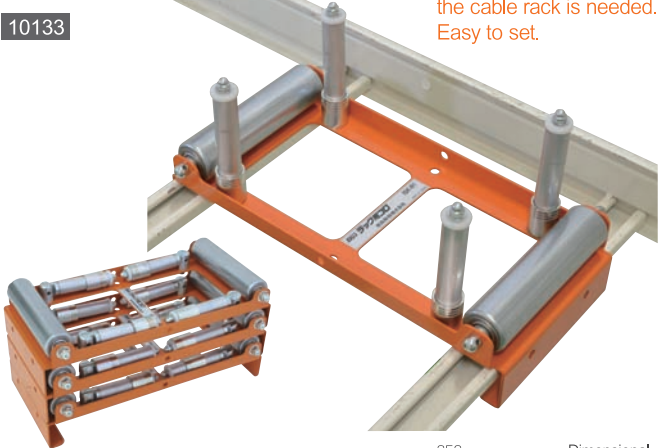
Roller for rack

PAT.

ISK-R1

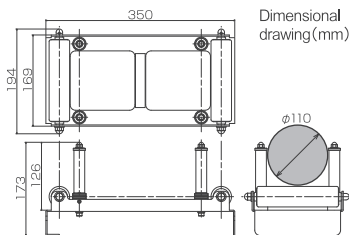
10133

For stabilize, only put it on
the cable rack is needed.
Easy to set.



Carrying easily and saving-space
because can be stacking.

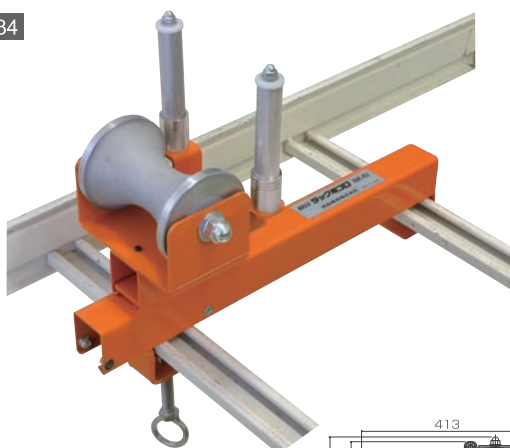
●Specification	
Maximum safe load	1.96kN
Maximum cable dimensions	110mm



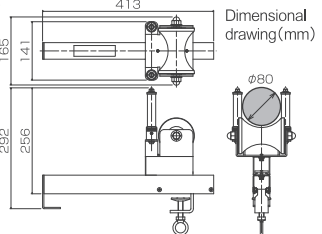
ISK-R2

10134

Easy to set when there are existing cable.



●Specification	
Maximum safe load	0.98kN
Maximum cable dimensions	80mm



ISK-R3

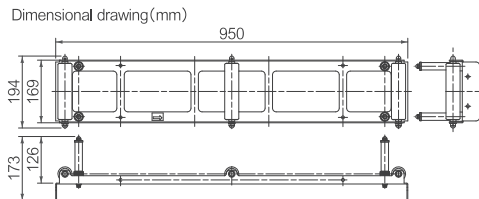
10141

For stabilize, only put it on
the cable rack is needed.
Easy to set.



Carrying easily and saving-space
because can be stacking.

●Specification	
Maximum safe load	1.96kN
Maximum cable dimensions	110mm



Universal roller

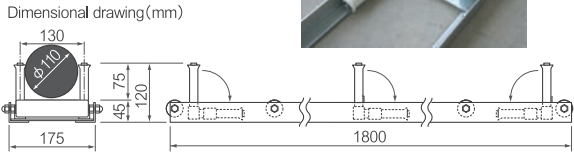
KD-1800R

20106

Appropriate for multipurpose.
Cable rack, concrete U-shaped gutter,
metallic duct, and so on.
Upright roller prevent to come the cable off
from universal roller.



Upright roller can be lain down easily.
※Do not use at the corners.



●Specification	
	5kg

Square roller

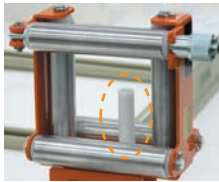
ISH-80

10122



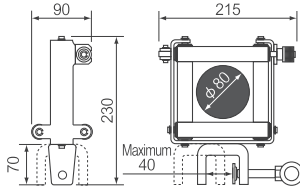
● Specification
Maximum safe load 0.98kN

2.5kg



Option
2pcs of Support roller
(For separation pf cables) ¥8,000

Dimensional drawing(mm)



ISH-110

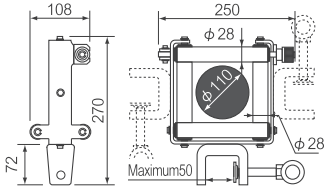
10110



● Specification
Maximum safe load 2.94kN

3.7kg

Dimensional drawing(mm)



Maximum cable diameter is 110mm.
With vise for maximum 50mm.

It can be mounted at
any place and swing.

Cable roller

ISS- I

10111



● Specification
model ISS- I
Maximum safe load 4.9kN

1.5kg

ISS- I R

10112



● Specification
model ISS- I R
Maximum safe load 4.9kN

1.5kg

ISS- II

10113



● Specification
model ISS- II
Maximum safe load 4.9kN

3.5kg

ISS- I HL

10120



● Specification
model ISS- I HL
Maximum safe load 4.9kN

1.8kg

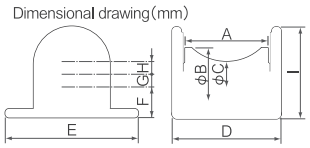
ISS- II H

10121



● Specification
model ISS- II H
Maximum safe load 4.9kN

4.1kg



Model	A	B	C	D	E	F	G	H	I
ISS- I	110	85	40	154	320	67	-	-	117
ISS- I R	110	85	40	154	380	67	-	-	117
ISS- II	200	130	65	262	320	82	-	-	158
ISS- I HL	110	85	40	192	320	75	20	-	175
ISS- II H	200	130	65	306	306	90	30	30	235



Feature of I HL · II H
Hard to derail cable by tall side frame
can be stacked, and easy to store. (II H)

Corner roller

KD-325C

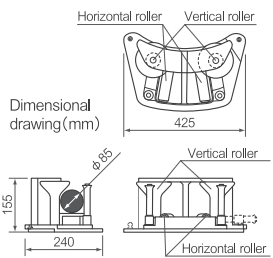
20101



● Specification
Maximum safe load 3.92kN

6kg

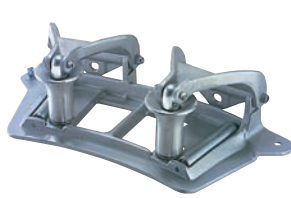
For inner corner



Corner roller

KD-400C

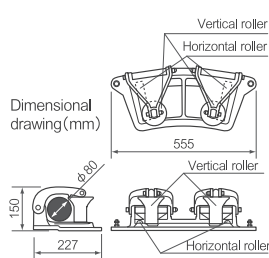
20102



● Specification
Maximum safe load 3.92kN

6kg

For outer corner



Vise for corner roller

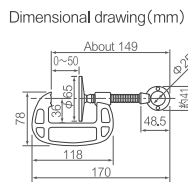
KD-325CB

20103



● Specification

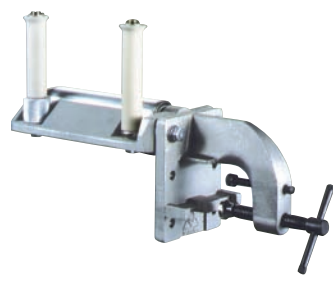
0.2kg



Super wire extend roller

KD-325S II

20100



● Specification
Maximum safe load 0.78kN

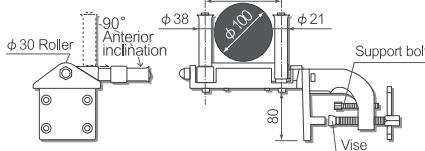
Have 3 mode.
Capacity is $\phi 1 \sim 90$.



Can work by using KD-325SII even if there are
existing cables.

The design which can use even if there are 2 or 3 cable racks.

Dimensional drawing(mm)



2.4kg

Cable jack

ISG-5000

10202

(A pair of leg with shaft)

ISG-3000

10201

(A pair of leg with shaft)

ISG-2000

10200

(A pair of leg with shaft)

Stepless adjustment by screw jack.

Useful compact design to transfer and storage.

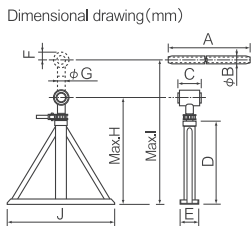
Cable shaft with built-in level.



● Specification ※105kg ※68kg ※36kg

Model	ISG-5000	ISG-3000	ISG-2000
Lift power	49kN	29.4kN	19.6kN
Lifting height	300mm	250mm	200mm
Shaft diameter	70mm	50.8mm	40mm
Shaft length	1800mm	1500mm	1300mm
Height	800~1100mm	670~920mm	450~650mm
Base dimensions	W160×L800mm	W120×L700mm	W100×L500mm
Weight	1leg : 40kg Shaft : 25kg	1leg : 27kg Shaft : 14kg	1leg : 14kg Shaft : 8kg

※Weight is for 2 legs + 1 shaft.



Option

Shaft

For ISG-5000 12035 ¥44,000 For ISG-3000 12034 ¥28,000 For ISG-2000 12033 ¥22,000

Model	A	B	C	D	E	F	G	H	I	J
ISG-2000	1300	39.5	100	322	100	40	40.4	450	650	500
ISG-3000	1500	50.8	150	533	120	50.8	51	680	920	700
ISG-5000	1800	70	170	640	160	60.25	70.3	800	1100	800

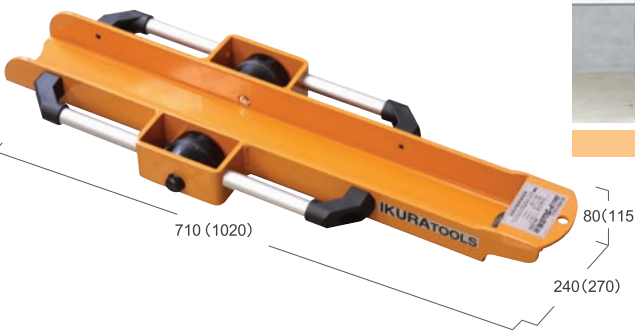
Drum turning base

ISK-DR85

20113

ISK-DR110

20114



Easy to change of
direction by by oneself

Useful to transfer the drum by
using 2units.

Please don't keep the cable drum loading on this product except when use this product.

● Specification 8.9kg

Model	ISK-DR85
Maximum safe load	9.8kN
Dimension	W240×L710×H80mm
Width of groove	88mm

● Specification 21kg

Model	ISK-DR110
Maximum safe load	29.4kN
Dimension	W270×L1020×H115mm
Width of groove	113mm

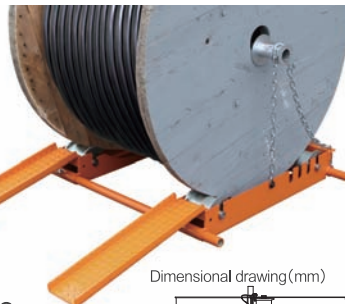
Drum roller

ISR-1200

10130

No need Jack

Cable drum loading type turning base



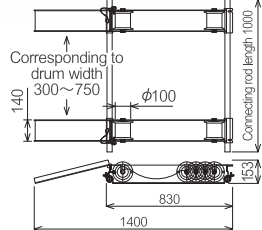
● Specification 56.8kg

Capacity of drum diameter	$\phi 400 \sim 1200$ mm
Capacity of drum width	300~750mm
Withstand load	1000kg

Contents

- Base (Right side · Left side)
- Roller (4pcs)
- Slope (2pcs)
- Connecting bar (2pcs)
- Coming off prevention bar (1pcs)
- Coming off prevention chain (2pcs)

Dimensional drawing(mm)



Wire reel

ISK-CR430 PAT.

10131

Can stack.
Have the output
ports on both sides.



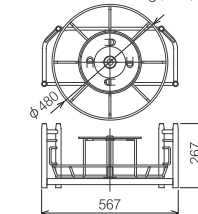
● Specification 4.5kg

Dimension	W567×L480×H267
Dimensions of inside reel	Outside reel $\phi 430 \times$ Inside reel $\phi 220 \times 145$

Available electric wire	Wire diameter	Strip length
IV	5.5mm ²	300m
VVF	1.6mm×2core·3core	100m
	2.0mm×2core·3core	100m
	2.6mm×2core·3core	100m

Contents
• Cable holder
• Reel
• Fram
• Rubber cap (4)

Dimensional drawing(mm)



ANGLE MASTER II

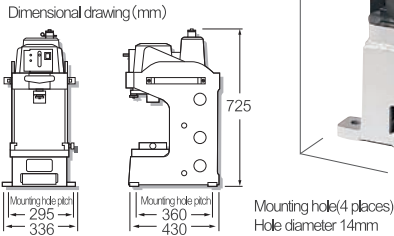
Motor driven hydraulic angle processing machine

IS-756LM II

50104

Stainless is available

●Specification	113kg
Max Capacity	275kN (28ton)
Motor	AC100V-115V, AC220-230V 50/60Hz
Electric Consumption	1400W
Stroke length	0~45mm
Attachment	non-step adjustment one-touch exchange method



Accessories Hexagon wrench #3・6・8, Spanner #10・17, Foot Switch (cord length : 2.5m)

High power

Max capacity is 28ton, process the stainless steel Angle easily.

Low noise

Significant reduction in operating sound by noise control of each portion.

High precision processing

Can be high precision processing. Burr can't occur on the cut surface easily.

Easy operation

Operation is only stepping on the foot switch.

Pursue better overability

Stroke adjustment mechanism

According to each processing, stroke of main shaft is adjustable at stepless. Just adjust the stroke adjustment lever to the scale of each processing position. Also, can fine tune by the knob.

One action Foot Switch

Start by stepping and automatically return to the start portion.

Selector switch

It can select whether the stroke return automatically or stop in the middle of processing. It is useful when careful work like positioning of material.

Other equipment

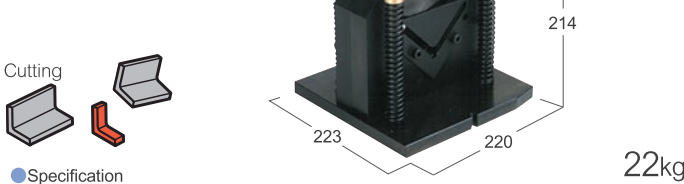
One-touch exchange method of attachment, Scraps vent in front, easy clean the scraps.

This picture is ANGLE MASTER II with Nother attachment for reference.

ANGLE MASTER II ATTACHMENT

C756- II CUTTER

50105



●Specification	22kg
Max Capacity	Material ASTM58 L75×75×t6 Material Stainless L75×75×t6
Dimension	W223×L220×H214mm
Accessories	Safety cover (For both side of blades)

V756- II NOTCHER

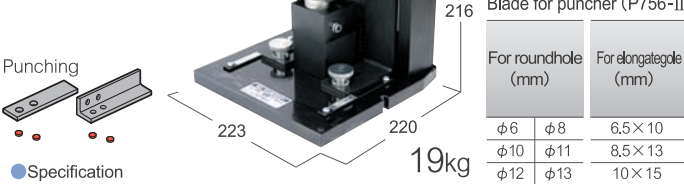
50106



●Specification	23kg
Max Capacity	Material ASTM58 L75×75×t6 Material Stainless L75×75×t6
Dimension	W230×L260×H217mm
Accessories	Safety cover, Stopper

P756- II PUNCHER

50108



●Specification	19kg
Max Capacity	Material ASTM58 φ20 t10 Material Stainless φ20 t6
Dimension	W223×L220×H216mm
Accessories	Material stopper, Guide, Punch・Dice (H11B)

※It can punch a hole in flat plate.
ASTM58 : less than 10mm
Stainless : less than 6mm

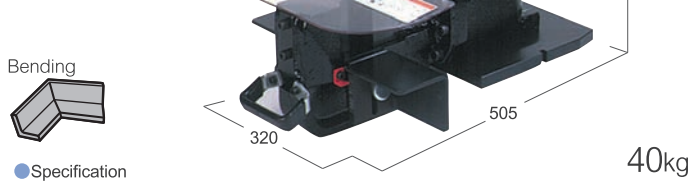
Blade for puncher (P756-II)

For roundhole (mm)		For elongatehole (mm)
φ6	φ8	6.5×10
φ10	φ11	8.5×13
φ12	φ13	10×15
φ14	φ15	11×15
φ16	φ17	12×18
φ18	φ19	13×19.5
φ20	—	14×21

* Please refer to P.11

B756- II BENDER

50107



●Specification	40kg
Max Capacity	Material ASTM58 L75×75×t6 Material Stainless L75×75×t6
Dimension	W320×L505×H255mm
Accessories	Safety guard, Doubling plate

Reference Angle size(Equal angle steel)

Material ASTM58	Angle (Equal angle steel)				Material Stainless	Angle (Equal angle steel)			
	AxBxC	AxBxC	AxBxC	AxBxC		AxBxC	AxBxC	AxBxC	AxBxC
	25x25x3	45x45x4	50x50x6	65x65x6		20x20x3	30x30x4	40x40x4	50x50x5
	30x30x3	45x45x5	60x60x4	65x65x8		25x25x3	30x30x5	40x40x5	50x50x6
	40x40x3	50x50x4	60x60x5	70x70x6		25x25x4	30x30x6	40x40x6	60x60x5
	40x40x5	50x50x5	65x65x5	75x75x6		30x30x3	40x40x3	50x50x4	60x60x6

※Please note that the above table is the size list of angle material (Equal angle steel), not the size list of processible material for ANGLE MASTER/ANGLE COMPO/ANGLE MASTER COMPACT.

ANGLE MASTER COMPACT

Discrete type angle processing machine

POWER UNIT + FRAME

Portable type

Can separate the POWER UNIT and FRAME

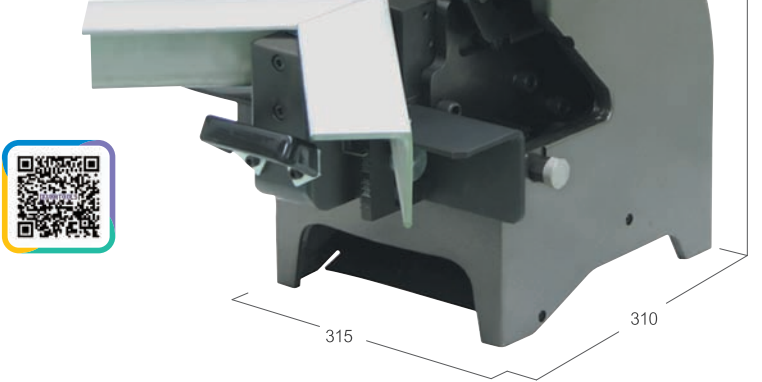
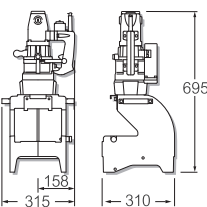
High power max pressure 28 ton

Max capacity L75×75×t6
(Material Stainless steel angle)

Compact・Light weight

POWER UNIT + Frame Totalwight : 60kg

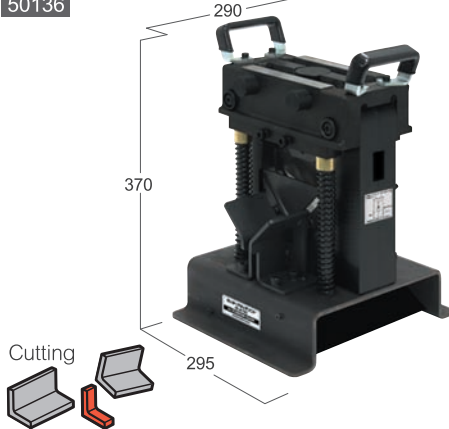
Dimensional drawing(mm)



ANGLE MASTER COMPACT ATTACHMENT

IS-A75C CUTTER

50136

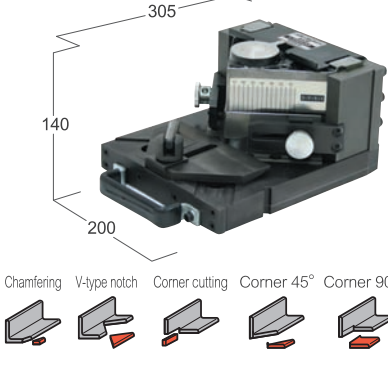


●Specification	33kg
Max Capacity	Material ASTM58 L75×75×t6 Material Stainless L75×75×t6
Dimension	W295×L290×H370 mm

IS-A75V NOTCHER

50130

※When using Notcher need FRAME (IS-A75F)

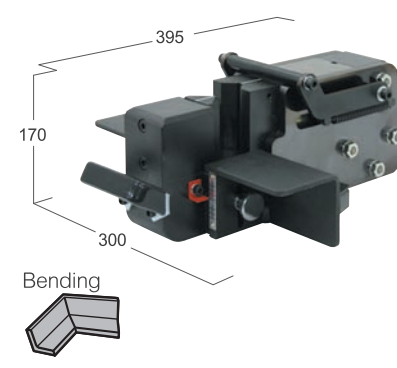


●Specification	18.5kg
Max Capacity	Material ASTM58 L75×75×t6 Material Stainless L75×75×t6
Dimension	W200×L305×H140mm

IS-A75B BENDER

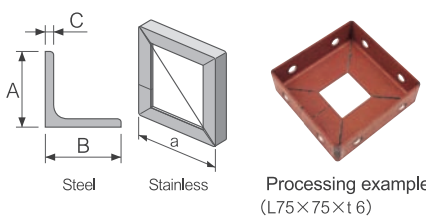
50131

※When using Bender need FRAME (IS-A75F)



●Specification	29.2kg
Max Capacity	Material ASTM58 L75×75×t6 Material Stainless L75×75×t6
Dimension	W300×L395×H170mm

Reference Minimum requirement dimension of square form



Normal dimension of equal angle steel	Minimum requirement a dimension	Normal dimension of equal angle steel	Minimum requirement a dimension
A × B × C		A × B × C	
40mm × 40mm × t3	110mm	60mm × 60mm × t4	130mm
40mm × 40mm × t5	110mm	60mm × 60mm × t5	130mm
45mm × 45mm × t4	110mm	65mm × 65mm × t5	140mm
45mm × 45mm × t5	110mm	65mm × 65mm × t6	140mm
50mm × 50mm × t4	110mm	70mm × 70mm × t6	150mm
50mm × 50mm × t5	110mm	75mm × 75mm × t6	160mm
50mm × 50mm × t6	110mm		

※Bule color portion is for ANGLE MASTER II and ANGLE MASTER COMPACT

ANGLE COMPO Portable angle processing machine

IS-CP13 POWER UNIT

50109



Both hands can be freely used by using Foot switch. (Option)

Double Insulation

Dimensional drawing (mm)

4.8kg

320

212

72.5

●Specification

Max Capacity	127kN (13ton)
Motor	AC100V-115V, AC220-230V 50/60Hz
Electric Consumption	500W
Standard Accessory	Hexagon wrench # 6, Carrying case

IS-CP13L CORDLESS POWER UNIT

50137



Battery pack and charger are standard accessories.

80

282

303

●Specification (Including battery pack)

5.1kg

Dimensional drawing (mm)

80

282

303

●Specification

Max Capacity	127kN (13ton)
Motor	DC18V
Power	Li-ion Battery pack DC18V 3.0Ah
Battery charger	AC100V 50/60Hz
Charging time	60min
Standard Accessory	Battery charger , Battery pack 1pc
Hexagon wrench # 6, Carrying case	

Option

Li-ion Battery pack

LIB1830

52129

Battery charger

LBC1814

52128

ANGLE COMPO ATTACHMENT

IS-A50C CUTTER

50111



8.2kg

246

162

150

●Specification

Max Capacity	Material ASTM58 L50×50×16
Material Stainless	L50×50×14
Dimension	W162×L150×H246mm
Accessories	Stopper, Hexagon wrench # 6

IS-A14P PUNCHER

50114



Depth 25mm

232

100 (193)

207

●Specification (Including stand)

4kg

Max Capacity

Material ASTM58	φ 14 t6
Material Stainless	φ 14 t4

Dimension

W100(190)×L207×H232mm

Accessories

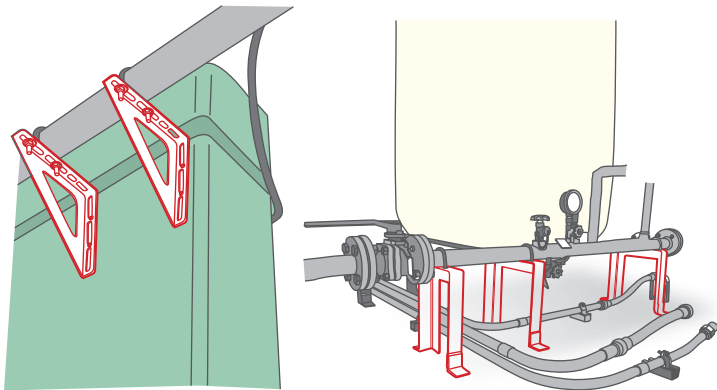
Punch and dice (φ11), Stand, Spanner 10mm, Hexagon wrench # 3

Blade for puncher (IS-A14P)

For round hole (mm)	φ 6	φ 8	φ 10	φ 11	φ 12	φ 13	φ 14
For elongate hole (mm)	6.5×10	8.5×13	10×15	11×15			

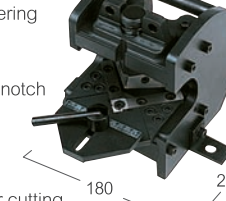
* Please refer to P.11

Processing samples, Usage



IS-A50VI NOTCHER

50112



16kg

215

245

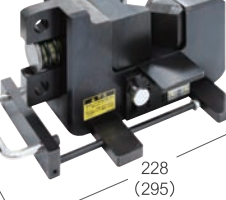
180

●Specification

Max Capacity	Material ASTM58 L50×50×16
Material Stainless	L50×50×14
Dimension	W180×L245×H215mm
Accessories	Fixing clasp, Hexagon wrench # 5・# 6

ISK-A50BII BENDER

50163



7.0kg

124

130

228 (295)

●Specification

Max Capacity	Material ASTM58 L50×50×16
Material Stainless	L50×50×14
Dimension	W130×L228(295)×H124mm
Accessories	Hexagon wrench # 3・# 6

CORDLESS PUNCHER

IS-MP15LX

50138



270 times punching in one charge (material ASTM58 φ11 t=6)

In case of SS400 φ 15 t=6 is 215 times.

345

96

288

Max Capacity

material ASTM58

φ 15 t=6mm

material Stainless

φ 15 t=4mm

5.7kg (Including battery pack)

Depth 25mm

Basic dimensional drawing of head portion (mm)

●Specification

Motor	DC18V
Power	Li-ion Battery pack DC18V 3.0Ah
Battery charger	AC100V-115V, AC220-230V 50/60Hz
Charging time	60min
Output	117.6kN (12,000kgf)
Stroke	12mm

Option Blade size

	Hole diameter (φ)	6	8	10	11	12	13	14	15
For round hole (mm)	SS400Max. thickness (t)	4	6	6	6	6	6	6	6
	SUS304Max. thickness (t)	-	4	5	5	5	4	4	4
	Channel	-	-	7.5	7.5	7.5	-	-	-
For elongate hole (mm)	Hole diameter (W×L)	6.5×10	8.5×13	10×15	11×15				
	SS400Max. thickness (t)	6	6	6	6				
	SUS304Max. thickness (t)	4	5	5	4				

- A dice is for 2~3.2mm thin plate.
- B dice is for 4~6mm thick plate.



Li-ion Battery

Power last a long time & have resistance of repeated charging



Display of battery charging remaining

POWER INDICATION

Common standard accessories

Spanner # 10・17, Hexagon wrench # 3,
Li-ion Battery pack, Battery charger,
Punch and dice (MP18LE: 11B, MP15LX: SL11B) ,
Carrying case

Common options

Battery pack and charger are standard accessories.

Motor driven hydraulic rechargeable puncher

IS-MP18LE

50133



220 times punching in one charge (material ASTM58 φ11 t=6)

In case of SS400 φ 18t=6 is 135 times.

369

103

287

Max Capacity

material ASTM58

φ 18 t=6mm

material Stainless

φ 18 t=4mm

7.9kg (Including battery pack)

Depth 50mm

Basic dimensional drawing of head portion (mm)

●Specification

Motor	DC18V
Power	Li-ion Battery pack DC18V 3.0Ah
Battery charger	AC100V-115V, AC220-230V 50/60Hz
Charging time	60min
Output	127.4kN (13,000kgf)
Stroke	14mm

Option Blade size

	Hole diameter (φ)	6	8	10	11	12	13	14	15	16	17	18
For round hole (mm)	SS400Max. thickness (t)	4	6	6	6	6	6	6	6	6	6	6
	SUS304Max. thickness (t)	-	4	5	5	5	5	5	5	4	4	4
	Channel	-	-	7.5	7.5	7.5	7.5	7.5	7.5	-	-	-
For elongate hole (mm)	Hole diameter (W×L)	6.5×10	8.5×13	10×15	11×15	12×18	13×19.5	14×21				
	SS400Max. thickness (t)	6	6	6	6	6	6	6	6			
	SUS304Max. thickness (t)	4	5	5	5	4	4	4	4			
	Channel	-	7.5	7.5	7.5	-	-	-	-			

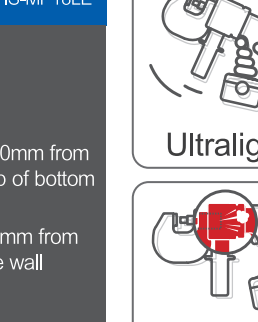
- A dice is for 2~3.2mm thin plate.
- B dice is for 4~6mm thick plate.



Universal design!

①300mm from top of bottom

②25mm from the wall



Only IS-MP18LE

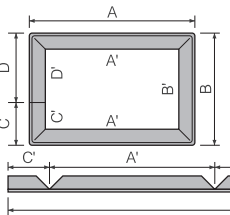
Ultralight

With pressure control valve assy

Reference Hint of machining

Measurement differs from the kind of material and tensile strength. Roughly refer to the table below.

Thickness of material	3 t	4 t	5 t	6 t
Curve radius R	3	3	5	5
R + t	6	7	10	11
Two-sided bending constant α	7	8	12	12.5
One-sided bending constant β	3.5	4	6	6.5



Equation of material total length

$$\begin{aligned} A' &= A - 2(R+t) + \alpha \\ B' &= B - 2(R+t) + \alpha \\ C' &= C - (R+t) + \beta \\ D' &= D - (R+t) + \beta \\ L &= 2A' + B' + C' + D' \end{aligned}$$

Calculation example (mm)

In case of left drawing,
if A=500 B=400 C=100 D=300 t=6
A'=500-2(11)+12.5=490.5
B'=400-2(11)+12.5=390.5
C'=100-11+6.5=95.5
D'=300-11+6.5=295.5
L=2×490.5+390.5+95.5+295.5=1762.5
※Bend at first from both edges of V-notch part.

LIGHT BORER
 PAT.

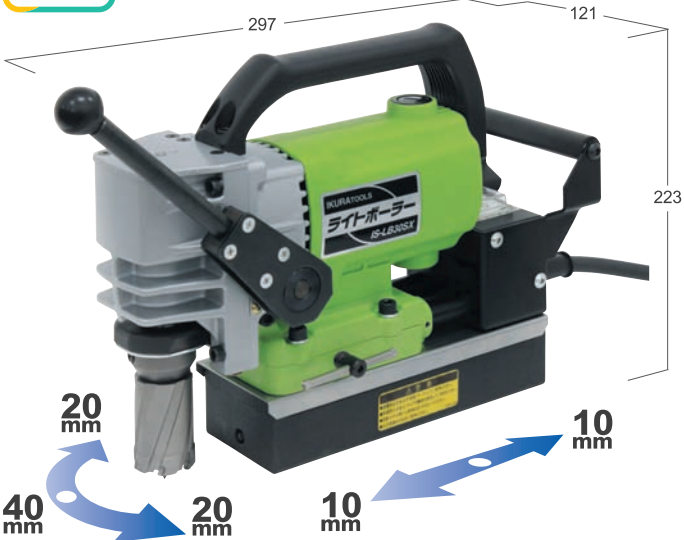
IS-LB30SX

50135

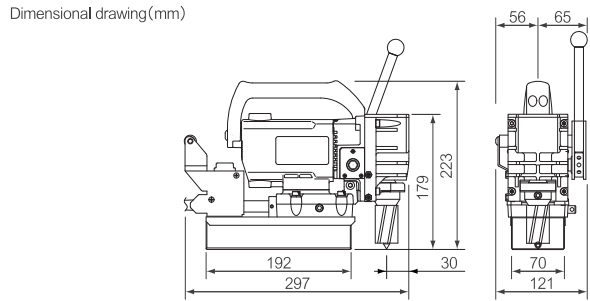
Maximum hole size Φ 30mm t 35mm	Minimum hole size Φ 11.5mm t 6mm
---------------------------------------	--

Can process the hole from Φ8mm by using the Noss Drill

Adaptable for the small space.
A powerful motor carries out a comfortable activity.



●Specification	
Blade Rotation	790min ⁻¹
Electric Consumption	850W
Power Supply	AC100V-115V, AC220-230V 50/60Hz
Dimension for main body	W121×L297×H223mm
Dimension for magnet	192×70mm
Max Magnetic Force	5.5kN
Min adhered panel	6mm
Stroke	49mm



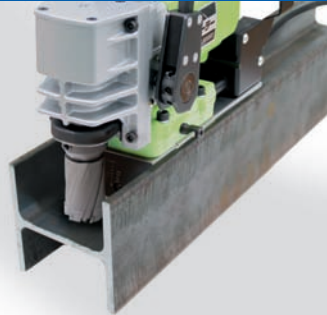
Accessories Carrying Case, Safty Fixed strap, Hexagon Wrench for replacement blade #5, Center Pin CP-35S1

High-stiffness slide with head



Reducing the axle blurring of the blade and make the durability of the knife better. More highly precise processing is possible.

Available a wave surface of H channel



100 x 100mm Processing it into a wave surface of the H steel.

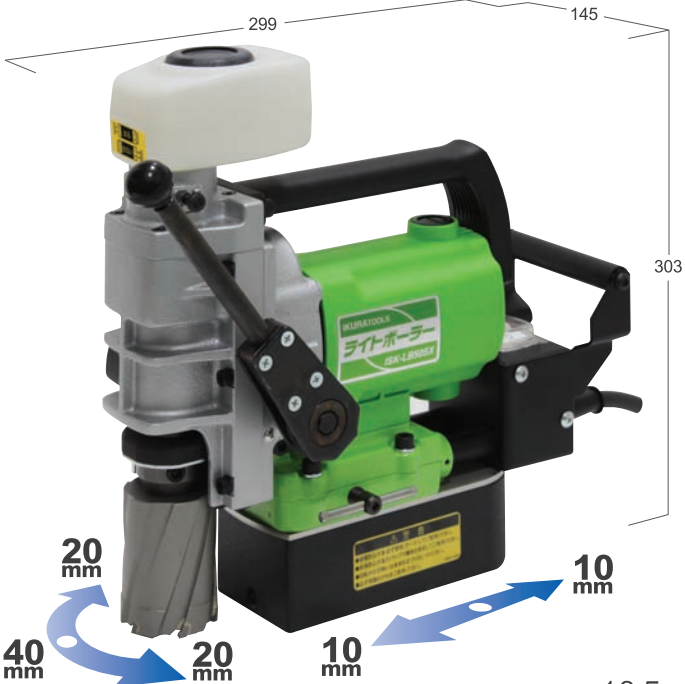
ISK-LB50SX

50161

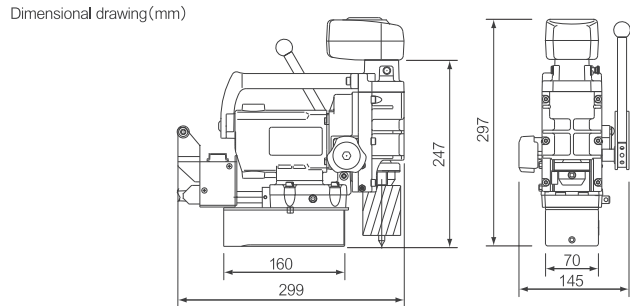
Maximum hole size Φ 50mm t 50mm	Minimum hole size Φ 11.5mm t 6mm
---------------------------------------	--

Can process the hole from Φ8mm by using the Noss Drill

Head build in high-stiffness slide.
Large diameter heavy cutting type.



●Specification	
Blade Rotation	550min ⁻¹
Electric Consumption	850W
Power Supply	AC100V-115V, AC220-230V 50/60Hz
Dimension for main body	W145×L299×H303mm
Dimension for magnet	160×70mm
Max Magnetic Force	6.4kN
Min adhered panel	6mm
Stroke	66mm



Accessories Carrying Case, Hexagon socket set screw, Safty Fixed strap Hexagon Wrench for replacement blade #5, Center Pin CP-50S1

Removable of tank



Automatic coolant system is removable.

Automatic coolant system



Cutting fluid supplied automatically

Portable handy type magnetic borer

LIGHT BORER

ISK-LB100S

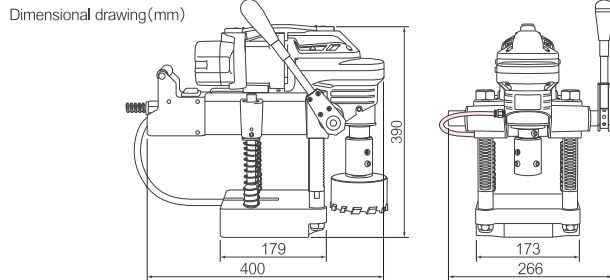
50165

Maximum hole size Φ 100mm t 35mm	Minimum hole size Φ 40mm t 6mm
--	--------------------------------------

Extra large hole diameter Φ 100mm.
Built-in torque clutch for overload protection.



●Specification	
Blade Rotation	120min
Electric Consumption	1050W
Power Supply	AC100V 50/60Hz
Dimension for main body	W266×L400×H390mm
Dimension for magnet	173×179mm
Max Magnetic Force	9.8kN
Min adhered panel	6mm
Stroke	113mm



Accessories Carrying Case, Hexagon socket set screw, Safty Fixed strap Hexagon Wrench for replacement blade #5, Center Pin CP-100D1, Cutter holder

Vise attachment

IS-LBV II

50126

For boring on the thin plate and stainless



●Specification	
Compatible model	IS-LB30SX/40SW/50SW/50SX
Dimension	W253×L200×H79mm

Cutting oil

Water solubility Cutting fluid SC-2

Solution type

NET. 2L

Vise capacity 45~150mm	Various models compatible
---------------------------	---------------------------

※When using vise attachment, need to use adapter(IS-LBAT) for vise.

50127 IS-LBAT

Boring depth for the case of using the vise attachment and adapter, (mm)

Model : IS-LB	30SX	40SW	50SW	50SX
35SQ Crinkey Cutter (Φ13mm~Φ16mm)	20	20	20	20
25SQ High Speed Cutter (Φ11.5mm~Φ12mm)	16	16	-	16
25SQ High Speed Cutter (Φ11.5mm~Φ12mm)	12	16	-	16

Adapter for vise

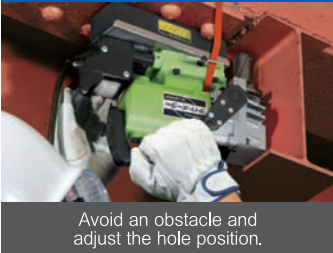
Stain cutting oil

Spray type Cutting oil

NET. 180ml



Swing head function



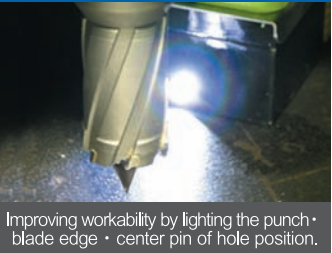
Avoid an obstacle and adjust the hole position.

Center position adjustment



Easy centering by long center pin.

Super high brightness LED



Improving workability by lighting the punch・blade edge・center pin of hole position.

Strong compact magnet



Fix it well even if attaching a machine perpendicularly.

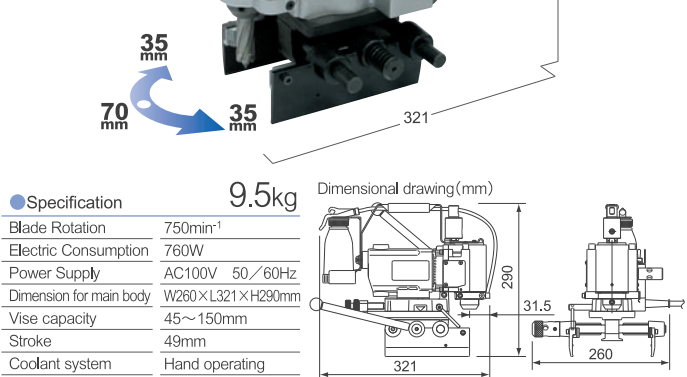
Vise borer

IS-LB25V

50124

Limited stock

Easy positioning by right and left centripetal vise



●Specification	
Blade Rotation	750min ⁻¹
Electric Consumption	760W
Power Supply	AC100V 50/60Hz
Dimension for main body	W260×L321×H290mm
Vise capacity	45~150mm
Stroke	49mm
Coolant system	Hand operating

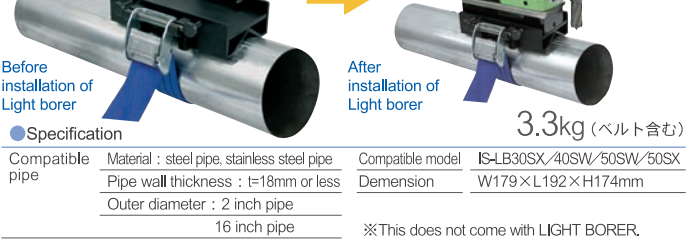
Accessories Hexagon Wrench for replacement blade #5

Pipe attachment

IS-LBV

50122

No scratch the materials by nylon belt. Easy adjust the length by buckle with hook.



●Specification	
Compatible pipe	Material : steel pipe, stainless steel pipe Pipe wall thickness : t=18mm or less Outer diameter : 2 inch pipe 16 inch pipe
Compatible model	IS-LB30SX/40SW/50SW/50SX
Demension	W179×L192×H174mm

※This does not come with LIGHT BORER.

Solid wax SW-35230

Useful for working on sideways and upward

NET. 250g



SUPER MINI CUTTER

Motor driven hydraulic rebar cutter

IS-MC13E

50221



High speed

Rod returns automatically at stroke end
outstanding workability.

Toughness

Ultra durability blade (Super blade).
Tough machine for continuous cutting.

Light weight

Light and compact size realized by small and light motor.
Easy to bring.



Max Capacity

Equivalent to SD345

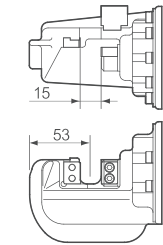
D13 About 1.5 sec

5.3kg

●Specification	
Capacity	D6~13(Equivalent to SD345)
Stroke	18mm
Cutting time	About 1.5 sec
Power	AC100V-115V, AC220-230V 50/60Hz
Electric Consumption	900W
Dimension	W152×L414×H118mm

Accessory
Spanner # 17
Hexagon wrench # 4
Carrying case

Basic dimensional drawing
of head portion (mm)



IS-MC16E

50220



High speed

Rod returns automatically at stroke end
outstanding workability.

Toughness

Ultra durability blade (Super blade).
Tough machine for continuous cutting.

Light weight

Light and compact size realized by small and light motor.
Easy to bring.



Max Capacity

Equivalent to SD345

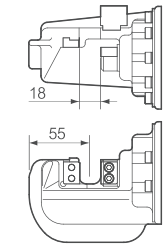
D16 About 2 sec

5.3kg

●Specification	
Capacity	D6~16(Equivalent to SD345)
Stroke	18mm
Cutting time	About 2 sec
Power	AC100V-115V, AC220-230V 50/60Hz
Electric Consumption	900W
Dimension	W152×L414×H118mm

Accessory
Spanner # 17
Hexagon wrench # 4
Carrying case

Basic dimensional drawing
of head portion (mm)



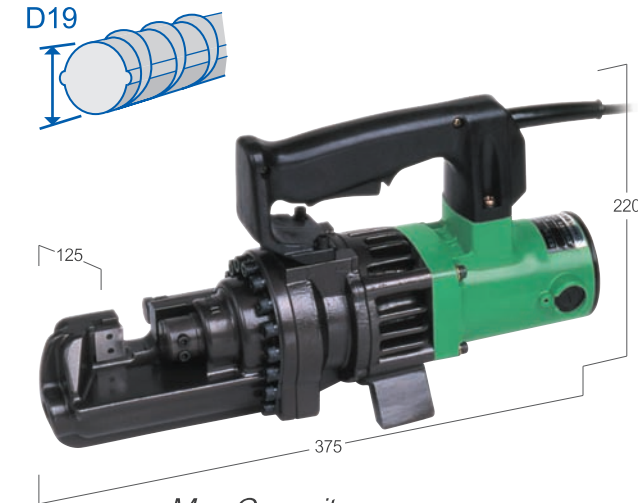
HYDRAULIC REBAR CUTTER

Motor driven hydraulic rebar cutter

IS-19SC

50202

Lightweight, Handy Model



Max Capacity

Equivalent to SD345

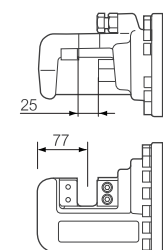
D19 About 3 sec

11.8kg

●Specification	
Capacity	D6~19(Equivalent to SD345)
Stroke	23mm
Cutting time	About 2.5 sec
Power	AC100V-115V, AC220-230V 50/60Hz
Electric Consumption	1050W
Dimension	W125×L375×H220mm

Accessory
Spanner # 17 · 19
Hexagon wrench # 4
Carrying case

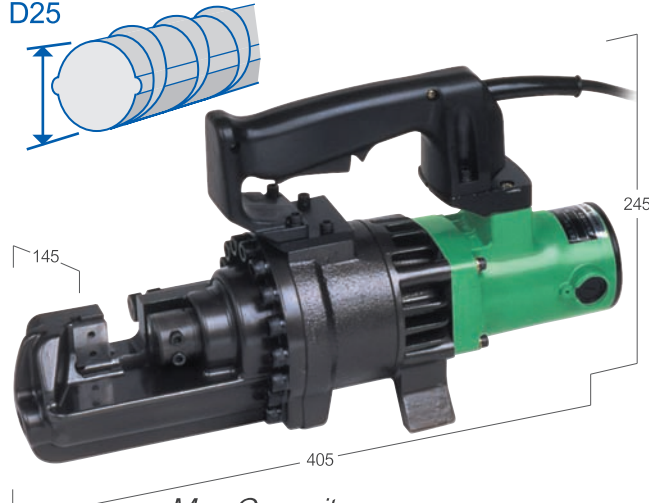
Basic dimensional drawing
of head portion (mm)



IS-25SC

50204

Heavy-Duty and Powerful



Max Capacity

Equivalent to SD345

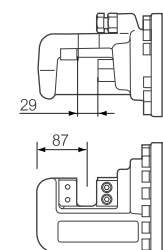
D25 About 6.2 sec

15.7kg

●Specification	
Capacity	D6~25(Equivalent to SD345)
Stroke	29mm
Cutting time	About 5.6 sec
Power	AC100V-115V, AC220-230V 50/60Hz
Electric Consumption	1050W
Dimension	W145×L405×H245mm

Accessory
Spanner # 17 · 22
Hexagon wrench # 5
Carrying case

Basic dimensional drawing
of head portion (mm)



CORDLESS REBAR CUTTER

Motor driven hydraulic rechargeable rebar cutter

IS-SC16LE

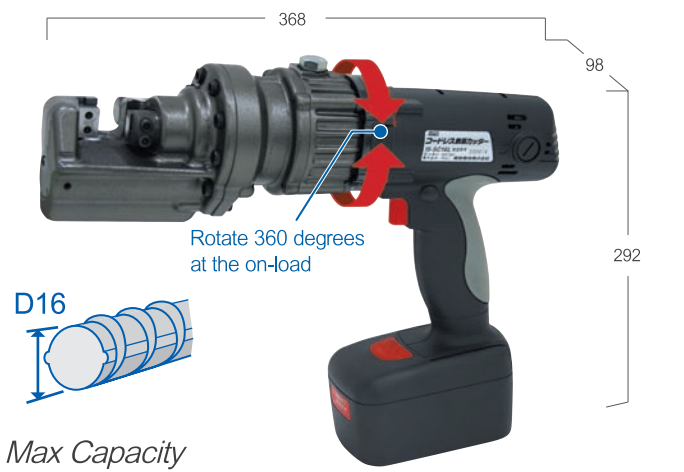
50222

Adopt Li-ion battery
High capacity and compact.
Easy work by 18V(3.0Ah) battery.



The 120 cuts for D16 on a full charge

Apply to every work sites by 360 degrees rotation motor



Max Capacity

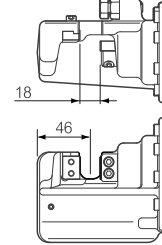
Equivalent to SD345

D16 About 5 sec

6.5kg

●Specification	(Including battery pack)
Output	117.6kN (12,000kgf)
Capacity	D6~16 (Equivalent to SD345)
Stroke	18mm
Cutting time	About 5 sec
Power	Li-ion Battery pack DC18V 3.0Ah Battery charger AC100V-115V, AC220-230V 50/60Hz
Charging time	60min
Dimension	W98×L368×H292mm

Basic dimensional drawing
of head portion (mm)



IS-SC19LE

50223

Adopt Li-ion battery
High capacity and compact.
Easy work by 18V(3.0Ah) battery.



The 70 cuts for D19 on a full charge

Apply to every work sites by 360 degrees rotation motor



Max Capacity

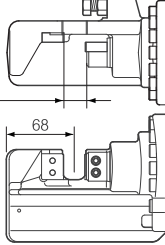
Equivalent to SD345

D19 About 8 sec

10kg

●Specification	(Including battery pack)
Output	166.6kN (17,000kgf)
Capacity	D6~19 (Equivalent to SD345)
Stroke	21.5mm
Cutting time	About 8 sec
Power	Li-ion Battery pack DC18V 3.0Ah Battery charger AC100V-115V, AC220-230V 50/60Hz
Charging time	60min
Dimension	W113.5×L424×H293mm

Basic dimensional drawing
of head portion (mm)



Common standard accessories



Battery charger
Li-ion Battery pack
Support handle (only SC19LE)
Spanner # 17 (SC19L is # 17 · 19)
Hexagon wrench # 4
Carrying case

Common options



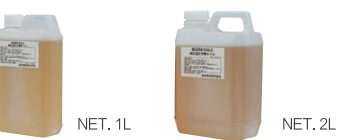
Li-ion Battery pack
52129
LIB1830

Battery pack and charger are
standard accessories.



Battery charger
52128
LBC1814

Genuine Hydraulic Actuation Oil
for IKURA (ISO VG32)



NET. 1L

NET. 2L

HAND CUTTER

Handy hydraulic rebar cutter

IS-16HC

50209



Available at a place without power source

- Rotate 360 degrees (No-load).
- Automatic switching of high speed and low speed.



Max Capacity

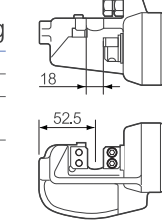
Equivalent to SD345

D16

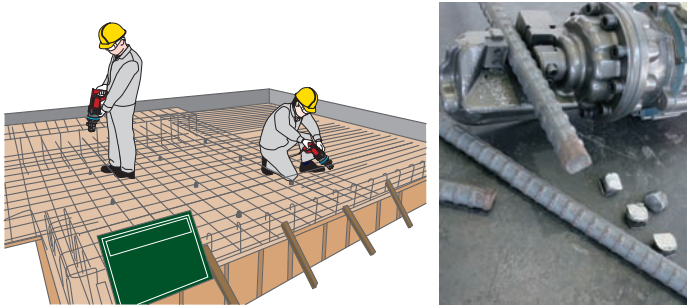
●Specification	
Max Capacity	D16(Equivalent to SD345)
Length	530mm
Dimension	W81×L530×H108(Close)~447(Open)mm
Accessory	Hexagon wrench # 4 · 8, Bag
※Blade is same as Super Mini Cutter	

3.5kg

Basic dimensional drawing
of head portion (mm)



Usage



SUPER BLADE

Blade for rebar cutter

	For IS-SC16LE/MC13E/ MC16E/16HC	For IS-SC19LE/ IS-19SC	For IS-25SC
Durability up			
Code number	51063	51065	51066
Dimensions	W15×H20×t8.5mm P=10mm	W22×H26×t9.5mm P=12mm	W26×H32×t11mm P=16mm
Bolt size	M5×16	M5×22	M6×25

Puncher series Material correspondence table

- S type dice has two kinds, A dice(for thin plate) of $\phi 6\sim 14$ and $6.5\times 10\sim 11\times 15$ show two flat side .Other is round type.
- “—” means unworkable, if you need special dice, let us know.
- You need to apply H punch for more than 11mm of SUS304 t6. (Optional item)

加工材料	Model name	Punch Dice	14MPS		20MPS		106MPS		18P	BP18S	MP19L LE1X	MP18L MP18LE	MP19F MP19F
			L type AB	S type AB	L type AB	S type AB	L type AB	H type BC	S type AB	With range 18P type AB	BP type AB	S type AB	BP type AB
Flat	B×t (mm)												
	25×3~6		●	●	●	●	●	○※1	●	●	●	●	●
	50×3~6		●	●	●	●	●	○※1	●	●	●	●	●
	75×6~9		—	—	(to 16)	(to 16)	●	(to 16)	(to 16)	—	—	(to 16)	—
Angle	A×B×t (mm)												
	40×40×3		●	●	●	●	●	—	●	●	●	●	●
	40×40×5		●	※3	※3	※3	○※1※3	○※3	●	※3	●	※3	※3
	50×50×4		●	●	●	●	●	○※1	●	●	●	●	●
Channel※2	H×B (mm)												
	75×40	B	●	○※3	—	—	—	—	○※3	○※3	○※3	○※3	○※3
	75×40	H	—	—	Y	X	Y	X	—	—	—	—	—
	100×50	B	●	○※3	—	—	—	—	○※3	○※3	○※3	○※3	○※3
H Channel	H×B (mm)												
	100×50	B	—	—	—	—	—	—	—	—	—	—	—
	100×50	H	—	—	—	—	—	—	—	—	—	—	—
	150×75	B	●	○※3	—	—	—	—	○※3	○※3	○※3	○※3	○※3
C. Channel	H×A×t (mm) (A=B)												
	60×30×2.3	A/B	—	—	—	—	—	—	—	—	—	—	—
	60×30×2.3	H	—	—	Y	X	Y	—	X	—	—	—	—
	100×50×3.2	A/B	●	●	—	—	—	—	●	●	●	●	●
Lip	H×A×C×t (mm) (A=B)												
	60×30×10×2.3	A/B	—	—	—	—	—	—	—	—	—	—	—
	60×30×10×2.3	H	—	—	Y	X	Y	—	—	—	—	—	—
	75×45×15×2.3	A/B	—	—	—	—	—	—	—	—	—	—	—
Ducter	A×B (mm) (φ14 to)												
	30×40 (D-1)	B	●	●	●	●	●	—	X	—	—	Y	—
	45×40 (D-2)	B	—	—	—	—	—	—	X	—	—	—	—

- ※ 1 : H type punch is for 6mm stainless or 7~10mm steel. Do not use at thin plate.
※ 2 : In case of processing at the channel, the dice is special, please let us know.
※ 3 : 2mm offset from the center of B side.

Puncher series Option Blade table

Parts number		Size		Hole diameter (mm)	
Punch type		Dice type		Hole diameter (mm)	
L type		A		For thin plate (2~3.2mm)	
H type		B		For thick plate (4~6mm)	
S type		C		For super-thick plate (7~10mm)	
Hole diameter (mm)		Hole diameter (mm)		Hole diameter (mm)	
Round hole		Round hole		Round hole	
Elongate hole		Elongate hole		Elongate hole	
Round hole		Round hole		Round hole	
Elongate hole		Elongate hole		Elongate hole	
Round hole		Round hole		Round hole	
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