



URATANI

Uratani shoji company Ltd(Japan)

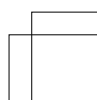
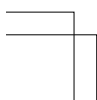


BÖHLER UDDEHOLM

supplied by Bohler Uddeholm Japan



Memo



OP Type

Inside arrow plate-side replacing type







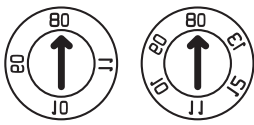
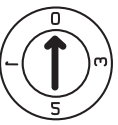



OP Model metal mold brings the best out of molded goods quality control and lot management.

This series is a standard type in which the metal mold is embedded directly.

Changing the display of Year · Month · Date can be easily done from the inner side of the metal mold using a driver.

The display format is in seven patterns as shown below. Sizes are in all seven types with the outer diameter ranging from $\phi 4 \sim \phi 20$.

■ Display Mark (Font of characters differs from OP)		
YM Model <Displays the Month and Year>  $\phi 4 \ \phi 5 \ \phi 6 \ \phi 8$ More than $\phi 10$ <small>The year is displayed in the center and an arrow points at the month displayed on the outside ring.</small>	OD Model <Displays the Date>  More than $\phi 16$ <small>The arrow points at the appropriate date from the 31 scales engraved on the outside ring. Dates are numerically displayed on a five-day interval.</small>	NM Model <Nothing is displayed>  <small>The outside ring does not represent anything and it only has an arrow in the center. It is evenly divided into 12 minutes. (Degree of hardness: HRC50 ±2)</small>
OM Model <Displays the Month>  $\phi 4 \ \phi 5 \ \phi 6 \ \phi 8$ More than $\phi 10$ <small>This model is similar to YM model except that it does not display the year. This points at the month with an arrow.</small>	D1 Model <Displays the ones of the date>  <small>Numbers 0 to 9 represents the ones of the date.</small>	YA Model  Year and Arrow Inner insert
4Y 6Y Model <Only Year>  4Y 6Y <small>(4) years (6) years (outer) Arrow (inner) Dia 3mm type has (4)years only</small>	D2 Model <Displays the tens of the date>  <small>Numbers 0 to 3 represents the tens of the date.</small>	OA Model  Arrow only inner insert

※For engraving purposes, the characters will appear in reverse it will be displayed appropriately after molding.

UL Type

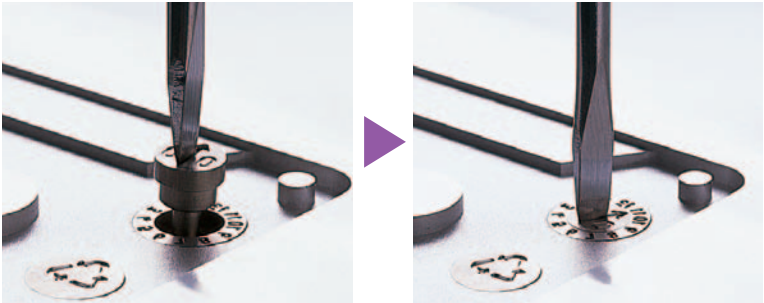
Inside arrow parting-side (PL side) replaceable type

UL mark is at its best when applied to quality control of resin molded products and lot management. Contrary to conventional items, since the inside arrow can be replaced from the parting side (PL side), there is no need to disassemble the metal mold, allowing minimization of cost and time.



It can be replaced from the parting side with a single driver.

● Procedure for replacing the inside arrow



- How to remove the inside arrow
Using a tool, such as a driver, turn the inside arrow (spindle) counter-clockwise to loosen and remove the screw.
- How to affix the inside arrow
Using a tool, such as a driver, turn the inside arrow (spindle) clockwise until it stops turning. (Once it is at an equal level as the outer ring, it will spin three more times until it stops.) Furthermore, once affixed, please turn the ← counter-clockwise when setting its position.

■ Display Mark (Font of characters differs from UL)

YM Model <Displays the Month and Year> <small>ø4 ø5 ø6 ø8 More than ø10</small>	OD Model <Displays the Date> <small>More than ø16</small>	NM Model <Nothing is displayed> <small>The outside ring does not represent anything and it only has an arrow in the center. It is evenly divided into 12 minutes. (Degree of hardness: HRC50 ±2)</small>
OM Model <Displays the Month> <small>ø4 ø5 ø6 ø8 More than ø10</small>	D1 Model <Displays the ones of the date> <small>Numbers 0 to 9 represents the ones of the date.</small>	YA Model <small>Year and Arrow Inner insert</small>
4Y 6Y Model <Only Year> <small>(4) years (6) years (outer) Arrow (inner) Dia 3mm type has (4)years only</small>	D2 Model <Displays the tens of the date> <small>Numbers 0 to 3 represents the tens of the date.</small>	OA Model <small>Arrow only inner insert</small>

※For engraving purposes, the characters will appear in reverse it will be displayed appropriately after molding.

Multi dater (Dual ring date inserts)

Patented Indexable Mold Date Insert Technology

Multidater : 6 Years and 12 month mold date inserts
(Can use 6 years without inner insert change)

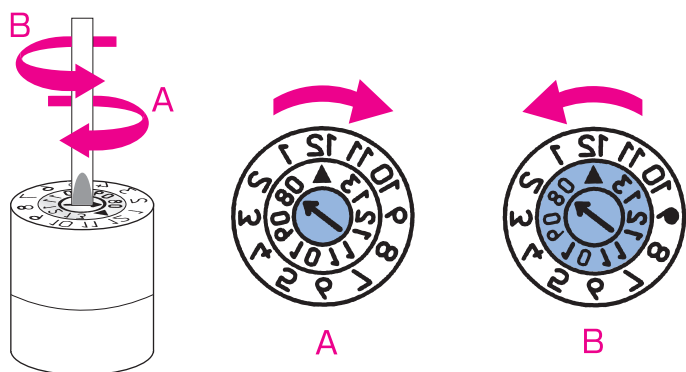
Double indexable : both arrows independently
"click into position"

All inserts remain flush when rotated Dia 6mm, 8mm,
10mm, and 16mm available

Material SUS420 Hardness : HRC 50+-2

Features and Benefits

- Turn clockwise to change "year" arrow (6 years)
 - Turn counter-clockwise to change "month" arrow (12 months)
- All inserts remain flush when rotated



SPRING DATE INSERTS



A wide range of choices for part dating needs. Uratani offers a full spectrum of products and configuration options for part dating, shift or batch identification, and a variety of other part marking needs. Our new indexable Mold Dating insert makes part dating even easier and more reliable.

Makes date changeovers a snap

With just a turn of a standard screwdriver, date changes are fast, easy, and secure.

Sizes from 4-20mm

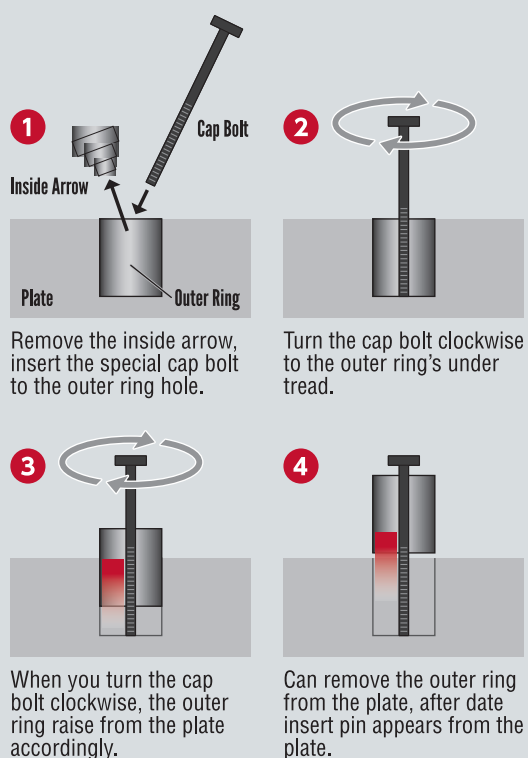
inserts are available in 4, 5, 6, 8, 10, 12, 16, and 20mm sizes to suit almost any application demand.

Choice of insert configurations

Outer inserts can include month, year(s), day, shift, or blank date. Inner inserts can include the year and an arrow, or just an arrow.

Uratani's Indexable Mold Dating Inserts are made from AISI 420 stainless steel heat-treated to 50-55 Rc for wear and corrosion resistance.

HOW TO UNMOUNT THE SPRING DATE INSERT PIN



Turn counterclockwise by screw driver, remove the inside arrow quickly.

Turn clockwise, inside arrow indicate numbers very easy and unlimited turn.

Engraved numbers and letters are easy to read. (UD font)

Recycling Mark

Insert & Electrode (MRI & MRE)















Necessity of Recycling ages

Benefits of Recycling Marks

- Identification of Plastic Packaging
- There are 8 kinds of Material Indication
- Applicable Plastics are for USA, German and French SPI standards



Recycling Mark

Material Identification	For USA	For Germany	For France	Material Identification	For USA	For Germany	For France
SYMBOL MARK		Same as USA	Same as USA	4 LOW DENSITY POLYETHYLENE			
1 POLYETHYLENE TEREPHTHALATE			Same as Germany	5 POLYPROPYLENE		Same as USA	Same as USA
2 HIGH DENSITY POLYETHYLENE			Same as Germany	6 POLYSTYRENE		Same as USA	Same as USA
3 POLYVINYL CHLORIDE			Same as Germany	7 ALL OTHER RESINS			Same as Germany

Mold Recycling Inserts (MRI)

Dia 8mm, 10mm, 16mm, 20mm
Material : Stainless steel 48-52 HRC Temperature 150°C

Mold Recycling Electrode (MRE)

Dia 10mm, 16mm, 20mm
Material : Electrolytic copper : E-Cu



Uratani handheld combine stamp



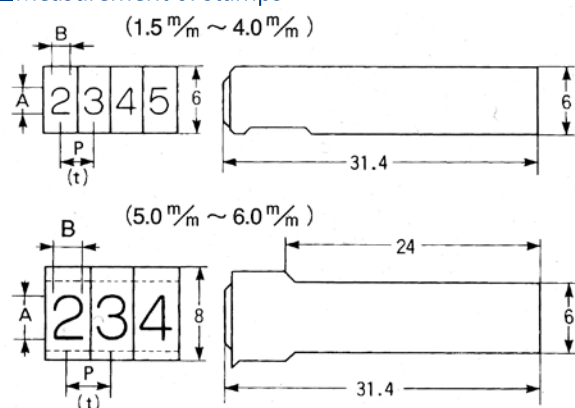
Uratani handheld combine stamp makes accurate sharp stamp.

[Specialty]

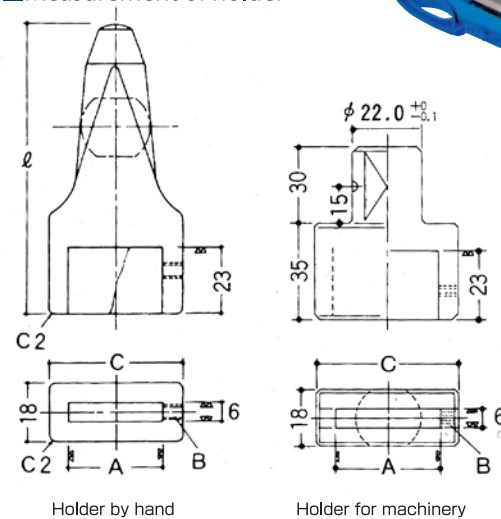
- 1 High speed steels makes incredible durability..
- 2 Can use numbers and letters from 16 figures (1.5mm) to 6 figures (6.0mm) at the same time.
- 3 Easy to change numbers very short time
- 4 Can stamp from 1.5mm to 6.0mm by same holder.
- 5 Good number stability by holder and stamp's high accuracy.



■ Measurement of stamps



■ Measurement of holder



■ Letter size of stamps

Size	A	B	P(t)	Max in one time	
				Big holder	Small holder
1.5	1.5	1.0	2.0	16figure	7figure
2.0	2.0	1.3	2.4	14figure	6figure
2.5	2.5	1.7	2.7	12figure	5figure
3.0	3.0	2.0	3.0	10figure	5figure
4.0	4.0	2.7	3.7	8figure	4figure
5.0	5.0	3.3	4.3	7figure	3figure
6.0	6.0	6.0	5.0	6figure	3figure

■ Holder size

	A	B	C	ℓ
Big holder	34	M5	46	95
Small holder	18	M5	31	80

■ Item number

	1.5mm	2.0mm	2.5mm	3.0mm	4.0mm	5.0mm	6.0mm
A set	UC-15AS	UC-20AS	UC-25AS	UC-30AS	UC-40AS	UC-50AS	UC-60AS
B set	UC-15BS	UC-20BS	UC-25BS	UC-30BS	UC-40BS	UC-50BS	UC-60BS
Numeral set	UC-15S	UC-20S	UC-25S	UC-30S	UC-40S	UC-50S	UC-60S
Alphabetic set	UC-15E	UC-20E	UC-25E	UC-30E	UC-40E	UC-50E	UC-60E
Single number or alphabet	UC-15B	UC-20B	UC-25B	UC-30B	UC-40B	UC-50B	UC-60B
Single letter	UC-15K	UC-20K	UC-25K	UC-30K	UC-40K	UC-50K	UC-60K

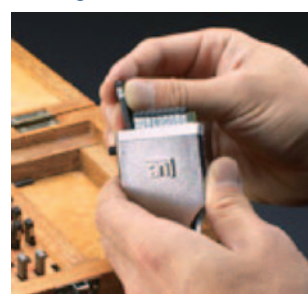
■ Font sample

1 2 3 4 5 6 7 8 9 0
 A B C D E F G H I J K L M
 N O P Q R S T U V W X Y Z
 / - × . . + ± () &

■ Attachment number

	Item number
Big holder for hand	UC - HL
Small holder for hand	UC - HS
Wooden box for A set stamp 81pcs, holder 1pc	UC - KA
Wooden box for B set stamp 50pcs	UC - KB
Space (Blank)	UC - SPS
Big holder for machine	UC - ML
Small holder for machine	UC - MS

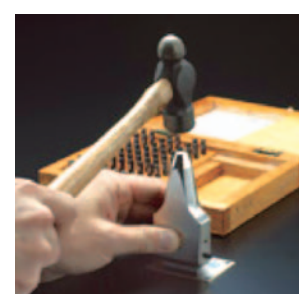
■ Usage



1. Put stamps to holder



2. Fixd by wrench



3. Hit the stamp

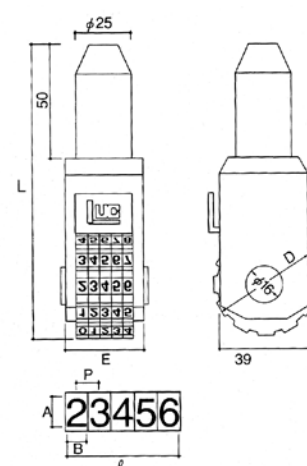
Uratani Hand held Rotary Marker for press usage



Uratani hand held Rotary Marker realized speedy workability and incredible durability. Rotary ring system creates maximum efficiency. It's made of high speed steels. Can attach to various press machines.

【Specialty】

- ① Press clear marks on various metal surfaces.
- ② No need to change letters, marking is speedily even for small lots.
- ③ Character arrangement is 12 numeral index, the same numeral marking are also smooth.
- ④ Can select numbers or letters (5-figure standard) by the custom-made order system.



(Unit : mm)

Letter size (mm)	A	B	P (t)	5 figures			6 figures			7 figures		
				ℓ	E	D	ℓ	E	D	ℓ	E	D
1.5	1.5	1.0	2.0	9.0	31	40.2	11.0	31	40.2	15.0	36	40.2
2.0	2.0	1.3	2.4	10.9	31	40.2	13.3	36	40.2	18.1	36	40.2
2.5	2.5	1.7	2.7	12.5	36	40.2	15.2	36	40.2	20.6	40	40.2
3.0	3.0	2.0	3.0	14.0	36	40.2	17.0	40	40.2	23.0	40	40.2
4.0	4.0	2.7	3.7	17.5	40	44.6	21.2	46	44.6	28.6	51	44.6
5.0	5.0	3.3	4.3	20.5	46	44.6	24.8	46	44.6	33.4	51	44.6
6.0	6.0	4.0	5.0	24.0	46	44.6	29.0	54	44.6	39.0	59	44.6

* A specification will change without a preliminary announcement.
If you need 26 characters of alphabetic character A-Z, other piece are required.
(1 figure consists of 12 characters maximum.)

General Distributor

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DRAFT

DATE MARK & COMBINE STAMP