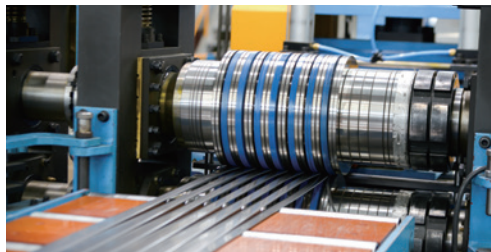
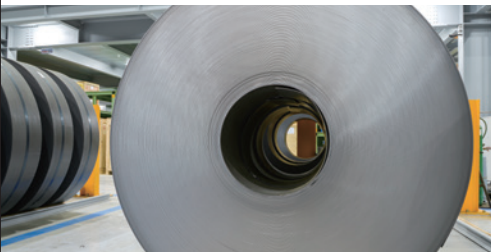


# RULE DIE STEEL

# RULE DIE STEEL

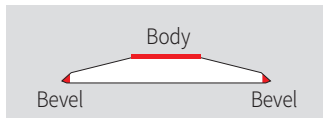


## Technology

### Hardness

| THICKNESS (mm) |      | 1.5         | 2.0      | 2.5      | 3.0     | 3.5     | 4.0     |
|----------------|------|-------------|----------|----------|---------|---------|---------|
| Hardness       | Body | ~ Hv 380    | ~ Hv 380 | ~ Hv 360 | ~Hv 350 | ~Hv 330 | ~Hv 330 |
|                | Edge | HV 550 ± 60 |          |          |         |         |         |

Effective hardening depth of high frequency : 0.6 ~ 0.9mm

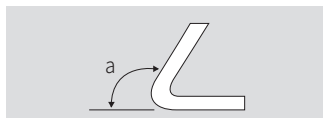


IL JIN rule die steel combines excellent bendability with ideal body hardness. The HF-treated bevel guarantees extra long edge life. The flexible body hardness is one of our essential know-hows.

### Bendability

| THICKNESS (mm)  | 1.5  | 2.0  | 2.5  | 3.0  | 3.5 | 4.0 |
|-----------------|------|------|------|------|-----|-----|
| Bendability (a) | 120° | 120° | 100° | 100° | 90° | 90° |

Based upon BE type



Even severely bent to an angle of the above with zero bending radius, IL JIN rule die steel never cracks. It is the crucial subject that we have paid a great attention even for a delicately sharp bendability.

THE BEST QUALITY  
THE BEST SERVICE  
THE ENDLESS DEVELOPMENT

## GIMP

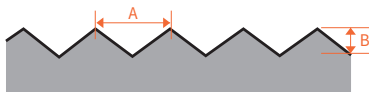


19 X 2.0 mm  
Single-edge  
Double-edge

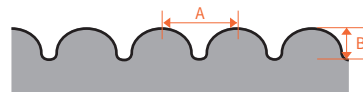


32 X 2.0 mm  
Single-edge  
Double-edge

Packing type : length 2m = 1 piece

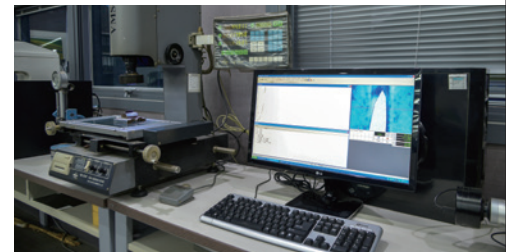
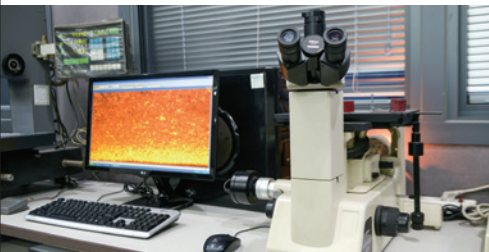


[Type 1]



[Type 2]

| TYPE NO. | A  | B   | EDGE TYPE |
|----------|----|-----|-----------|
| 1/3      | 3  | 1.2 | AE/AD     |
| 1/4      | 4  | 1.6 | AE/AD     |
| 1/5      | 5  | 1.8 | AE/AD     |
| 1/6      | 6  | 2.4 | AE/AD     |
| 2/3      | 3  | 1.0 | AE/AD     |
| 2/4      | 4  | 1.4 | AE/AD     |
| 2/5      | 5  | 1.6 | AE/AD     |
| 2/6      | 6  | 1.8 | AE/AD     |
| 2/8      | 8  | 2.5 | AE/AD     |
| 2/10     | 10 | 3.0 | AE/AD     |



### Weight

| DIMENSION (mm) | Kg/m | DIMENSION (mm) | Kg/m |
|----------------|------|----------------|------|
| 19 X 2.0       | 0.26 | 36 X 2.5       | 0.65 |
| 19 X 2.5       | 0.32 | 36 X 3.0       | 0.74 |
| 19 X 3.0       | 0.36 | 36 X 3.5       | 0.88 |
| 19 X 4.0       | 0.48 | 40 X 2.5       | 0.68 |
| 20 X 2.0       | 0.27 | 40 X 3.0       | 0.86 |
| 30 X 2.0       | 0.44 | 43 X 2.5       | 0.75 |
| 32 X 2.0       | 0.47 | 43 X 3.0       | 0.94 |
| 32 X 2.5       | 0.58 | 43 X 3.5       | 1.05 |
| 32 X 3.0       | 0.67 | 43 X 4.0       | 1.20 |
| 32 X 3.5       | 0.77 | 50 X 2.5       | 0.90 |
| 32 X 4.0       | 0.85 | 50 X 3.0       | 1.09 |

### Maximum Coil Length

| THICKNESS (mm) | LENGTH (m) | THICKNESS (mm) | LENGTH (m) |
|----------------|------------|----------------|------------|
| 1.5            | Max. 80m   | 3.0            | Max. 80m   |
| 2.0            | Max. 80m   | 3.5            | Max. 70m   |
| 2.5            | Max. 100m  | 4.0            | Max. 60m   |





# Perforating Tubes & Pricker



Shoulder Tube (Mill Punches)



Single Edged Back Ejection



Single Edged Side Ejection



Double Edged Side Ejection



Bolt Punches



Needle Punches



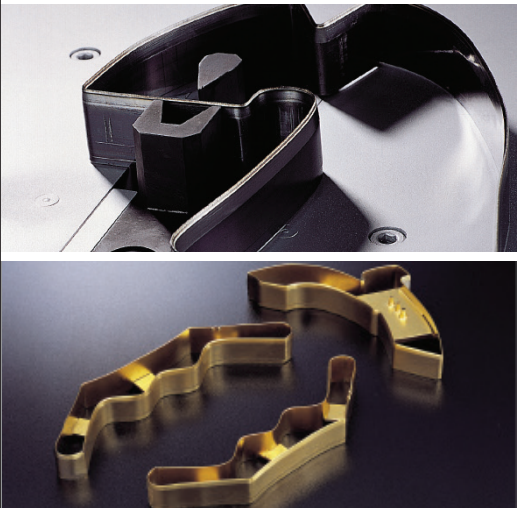
# Die Making Equipment

| NO.                 | NAME                                 | PRODUCT SPECIFICATION                                                                             |
|---------------------|--------------------------------------|---------------------------------------------------------------------------------------------------|
| ILJIN NTS - 001     | BENDING MACHINE                      | Size : (Big) 1200 x 770 X1160,<br>(Small) 1000 X 800X 1130<br>Weight : (Big) 358kg, (Small) 247kg |
| ILJIN NTS - 001 - 1 | BENDING TOOLS                        | Size : 19mm, 32mm, 43mm, 50mm<br>Weight : 1.1kg, 1.2kg, 1.3kg, 1.4kg                              |
| ILJIN NTS - 002     | ASSEMBLY TABLE                       | Size : 1200 X 610 X1070<br>Weight : 194kg                                                         |
| ILJIN NTS - 003     | CUTTING MACHINE<br>(HYDRAULIC STYLE) | Size : 1350 X 850 X1150<br>Weight : 200kg                                                         |
| ILJIN NTS - 004     | CUTTING MACHINE (HAND STYLE)         | Size : 400 X 300 X560<br>Weight : 40kg                                                            |
| ILJIN NTS - 005     | CODE MARKING MACHINE (FOOT STYLE)    | Size : 300 X 400 X900<br>Weight : 92kg                                                            |
| ILJIN NTS - 006     | MATERIAL HANGING POLE                | Size : 800 X 500 X950<br>Weight : 20kg                                                            |

# Dimension

| PROFILE                                                                             | DESCRIPTION                                                                 | DIMENSION (MM)                                                                                           | APPLICATION                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    | Symmetric profile for single-layer cutting                                  | 19 X 2.0 / 1.5<br>20 X 2.0<br>30 X 2.0<br>32 X 2.0 / 2.5                                                 |    |
|    | Double-edge profile for leather cutting                                     | 19 X 2.0 / 2.5 / 3.0 / 4.0<br>20 X 2.0<br>30 X 2.0 / 2.5<br>32 X 2.0 / 2.5                               |    |
|    | Basic type profile for single-layer cutting of leather or similar materials | 19 X 2.0 / 2.5 / 3.0 / 4.0<br>20 X 2.0 / 30 X 2.0 / 2.5 / 3.0<br>32 X 2.0 / 2.5                          |    |
|                                                                                     |                                                                             | 32 X 2.0 / 2.5 / 3.0 / 4.0<br>36 X 2.5 / 3.0 / 3.5<br>43 X 2.5 / 3.0 / 3.5 / 4.0<br>50 X 2.0 / 2.5 / 3.0 |    |
|    | Textile profile for multi-layer cutting of soft materials                   | 19 X 2.0 / 2.5<br>32 X 2.0 / 2.5<br>50 X 2.0 / 3.0                                                       |    |
|   | Heavy-duty profile for back-clearing dies                                   | 32 X 4.0<br>50 X 4.0                                                                                     |   |
|  | Serrated steel for garment, underwear and automotive interior               | 19 X 2.0 / 2.5<br>20 X 2.0 / 30 X 2.0 / 2.5<br>32 X 2.0 / 2.5                                            |  |
|  | Extra fine edge for cutting thin and soft material                          | 19 X 2.0<br>32 X 2.0                                                                                     |  |
|  | Smaller cutting edge, optimised for thin and rigid material                 | 32 X 1.8                                                                                                 |  |

# Certification



ISO 9001 CERTIFICATE  
ISO 14001 CERTIFICATE



## Global Network

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Argentina, Australia, Algeria, Brazil, Bangladesh, Bulgaria, Canada, China, Chile, Colombia, Czech Republic, Dominican Republic, Egypt, England, El Salvador, Finland, France, Greece, Guatemala, Hong Kong, India, Indonesia, Italy, Iran, Japan, Malaysia, Mexico, Morocco, Pakistan, Philippines, Portugal, Poland, Palestine, Lebanon, Russia, Romania, Singapore, South Africa, Spain, Sri Lanka, Syria, Taiwan, Thailand, Turkey, U.S.A, Vietnam



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