

# **UB-04 USER MANUAL**

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# 1-General Information

UB-04 is an arm bending machine used in the production of diemaking tools. With this machine, the rules between 8-30 mm height and 1.5-4 pt (0.50-1.4 mm) thickness can be worked.

The body of the machine is made of steel, thus giving the machine strength and durability. All parts of the machine have been coated with CrN (chrom nitride) or black oxidation, which is a special type of coating that is resistant to corrosion and wear for many years. The slide systems have been grinded in a sensitive way, that will occur a long time of usage for the machine.



## 1.1-Manufacturer and reseller information:



**3adam Ltd.**  
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Tel: +90 212 876 71 00 • [trade@3adam.net](mailto:trade@3adam.net)  
3adam Ltd. is a cooperation of Özkardeşler group.



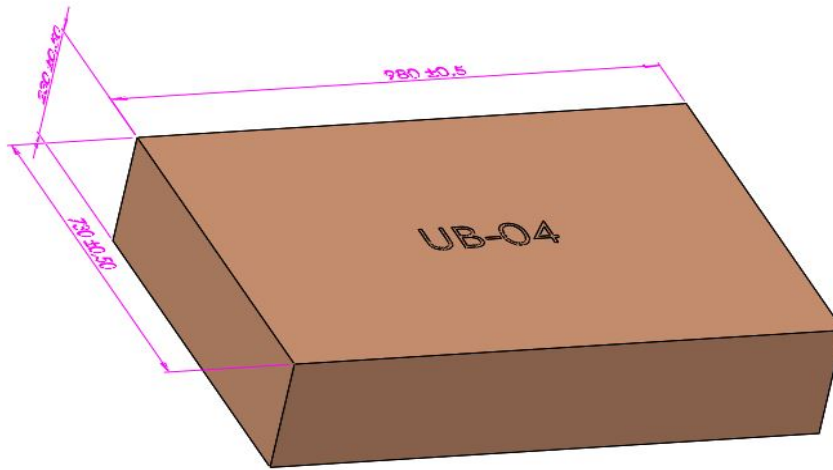
European Countries and USA Sales:  
**DICAR B. V.**  
P.O. box 533 9200 Drachten Holland  
Contact Person : Bert Beijert  
[sales@dicar.com](mailto:sales@dicar.com) Phone : +31 512 582 682  
[www.europe.dicar.com](http://www.europe.dicar.com)

## 1.2-Model, Serial number, Production year information:

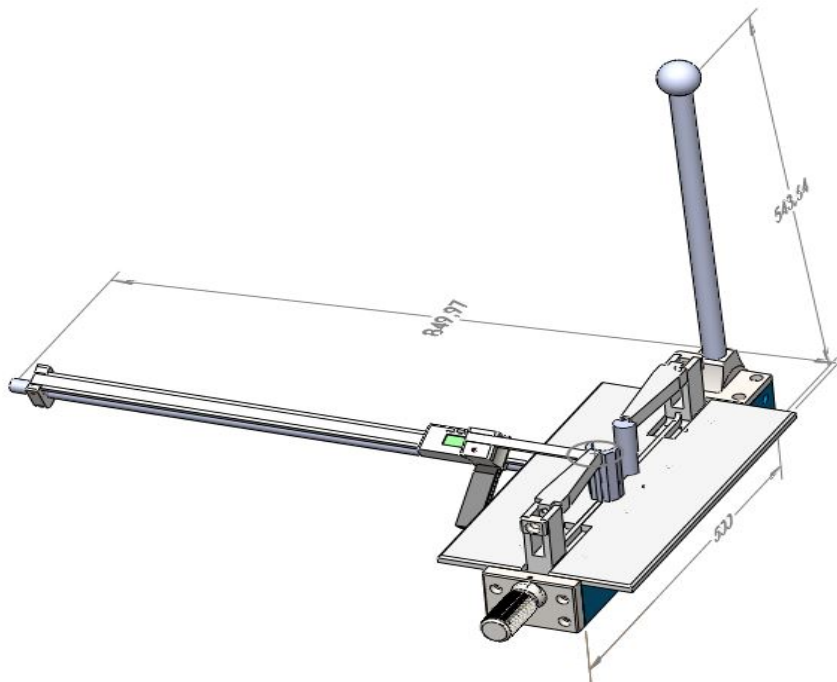
Machine Name : Unique Bending Machine  
Model : UB-04 (Arm Levered Bending Machine)  
Serial number : .....  
Year of production : .....

\*You can reach the machine information on the machine label which is put on the machine body.

### 1.3-Packaging:



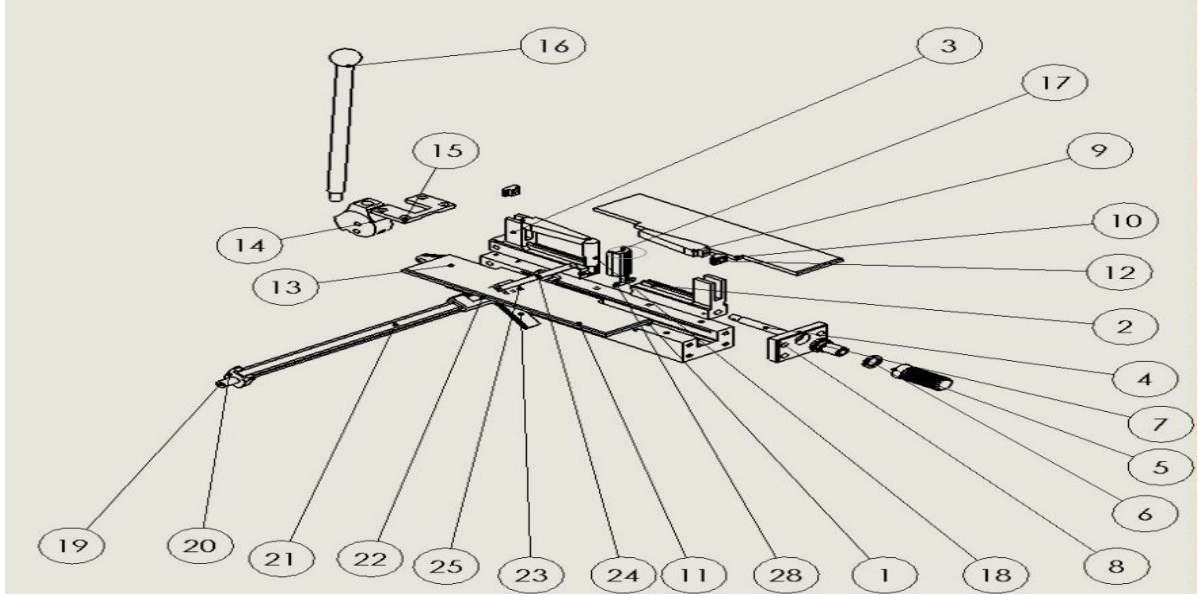
The machine package includes the machine body, the arm and the position adjustment parts. There are standard and optional bending tool set which is selected by the user on the order confirmation. In addition, the warranty certificate and user manual are in the packaging.



## 1.4-Technical dimensions:

Machine Dimensions:	850 X 550 X 500 mm
Packaging Dimensions:	980 x 730x 250 mm
Net Weight :	45 kg
Rule Type :	1.5-4 pt (0.50-1.4 mm)
Bending Height:	8-30 mm (Optional: 50 mm)
Max. Position Adjustment:	500 mm

## 1.5-Parts list:



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	UB02-0.1.2.v01-Ön Kule		1
2	UB02-0.1.3.v01-Arka Kule		1
3	UB02-0.1.4.v01-Ayar Mili		1
4	UB02-0.1.5.v01-Ayar Kolu		1
5	UB02-0.1.6.v01-Ayar Kolu Sarı		1
6	UB04-0.1.v01-Gövde		1
7	UB02-0.1.7.v01-Sarı		1
8	UB02-0.1.8.v01-Ön Kapak		1
9	UB02-0.1.9.v01-Kule Ucu		3
10	UST ÇALIŞMA TABLASI SAĞ		1
11	UST ÇALIŞMA TABLASI SOL		1
12	UB02-0.1.13.v01-Kule Ucu Sıkması		2
13	UB04-0.2.v01-Boynuz Kule Arası		1
14	UB04-0.3.v01-Kol Diski		1
15	UB04-0.5.v01-Arka Kapak		1
16	UB04-0.4.v01-Kol		1
17			1
18			1
19	K3-0.v01-Bükme Kumpas Sistemi Montaj		1
20	UB02-0.1.15.v01-Yeni Takım Koyma Parçası		2

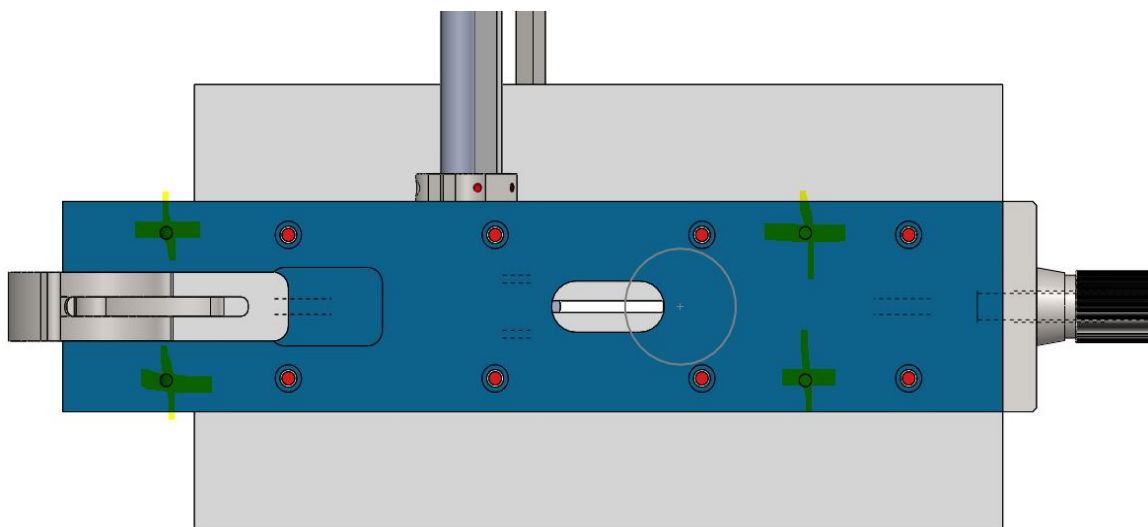
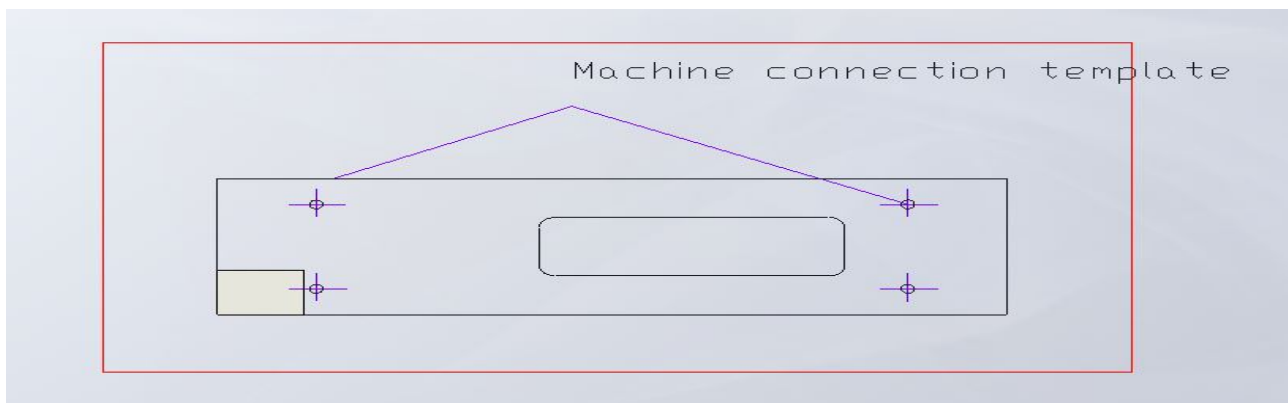
## 2-Instructions for Use

### 2.1-Machine installation:

Take the machine out of its package and put it on a suitable table. (Attention! Weight is 45 kg. Do not lift it alone.)

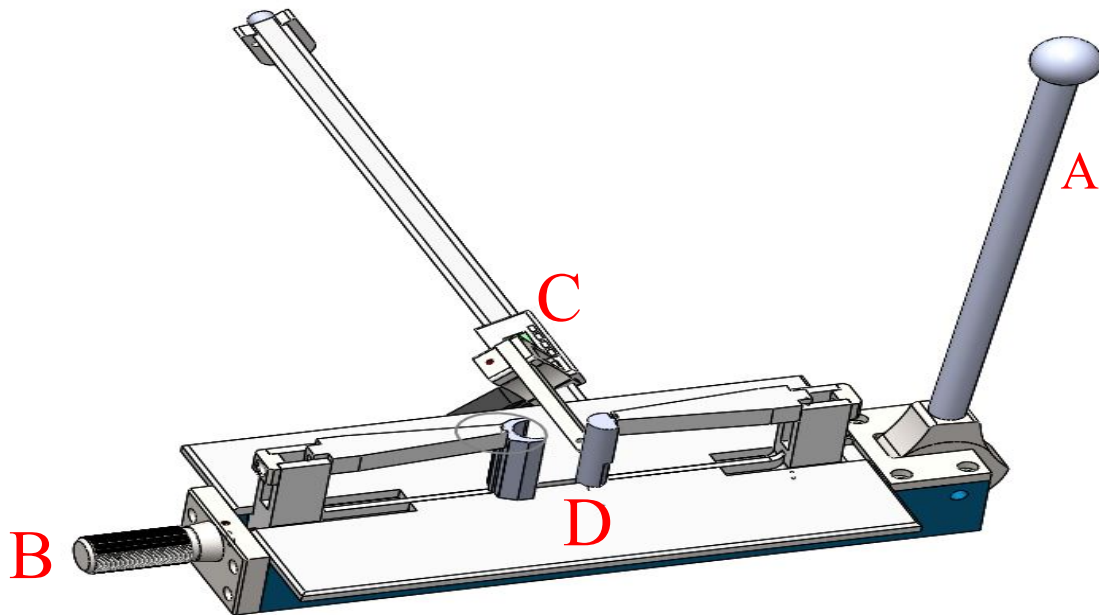
Fix it on the table with 4 pieces of M8 bolts through the holes seen in the picture. The fixing template is in the package.

The bending process is absolutely not recommended before the machine is fixed on the table. You may cause injury.

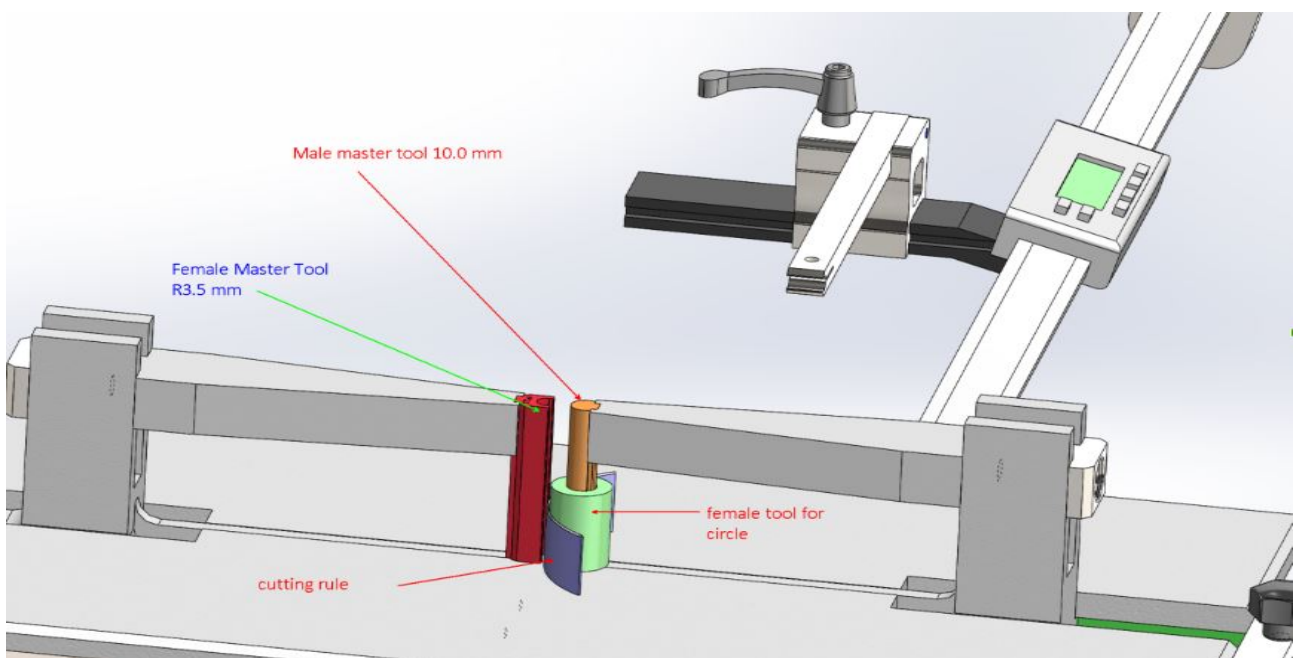


## 2.2-Explaining the bending process :

Position adjustment systems have been made in order to be able to bend from the right place with the UB-04. There is a 500 mm size digital caliper, you can adjust the position of the bending by moving of "C". You can make the fine adjustment to the turning of "B" in a range of 0,05 mm. Please put the bending tools in the "D" places. You can move the "A" arm for bending proces. While bending, make sure that you put the correct bending tools in the places.



Bending Example



## **3-Security**

### **3.1-The topics to be considered while bending :**

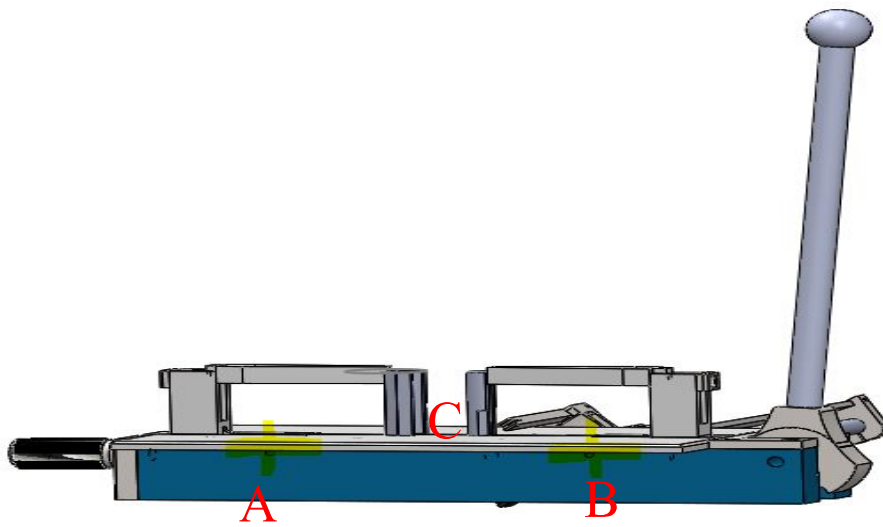
- Avoid rapid movements during bending and do not lower the arm too hard or too softly.
- Keep your fingers away from the bending area.
- Work with the materials in the thickness which is specified in the machine information
- Do not disassemble the machine without the information of the technical service team of the manufacturer.
- Use the machine in accordance with the instructions for use.
- Be sure to follow the maintenance instructions.



## 4- Maintenance Instructions

### 4.1-Lubrication and maintenance:

The machine should be cleaned regularly every week. The parts shown in the instructions must be lubricated once a month. Lubrication made from "A", "B" holes reaches all necessary parts of the machine. Use ISO VG 68 or similar oils through the lubrication hole shown in the picture below. You need to keep clean the "C" area. You can use WD40 or similar material for the lubrication of this area. Do not use cleaning liquids containing chemicals on the metal surfaces of the machine. This may cause parts to rust.

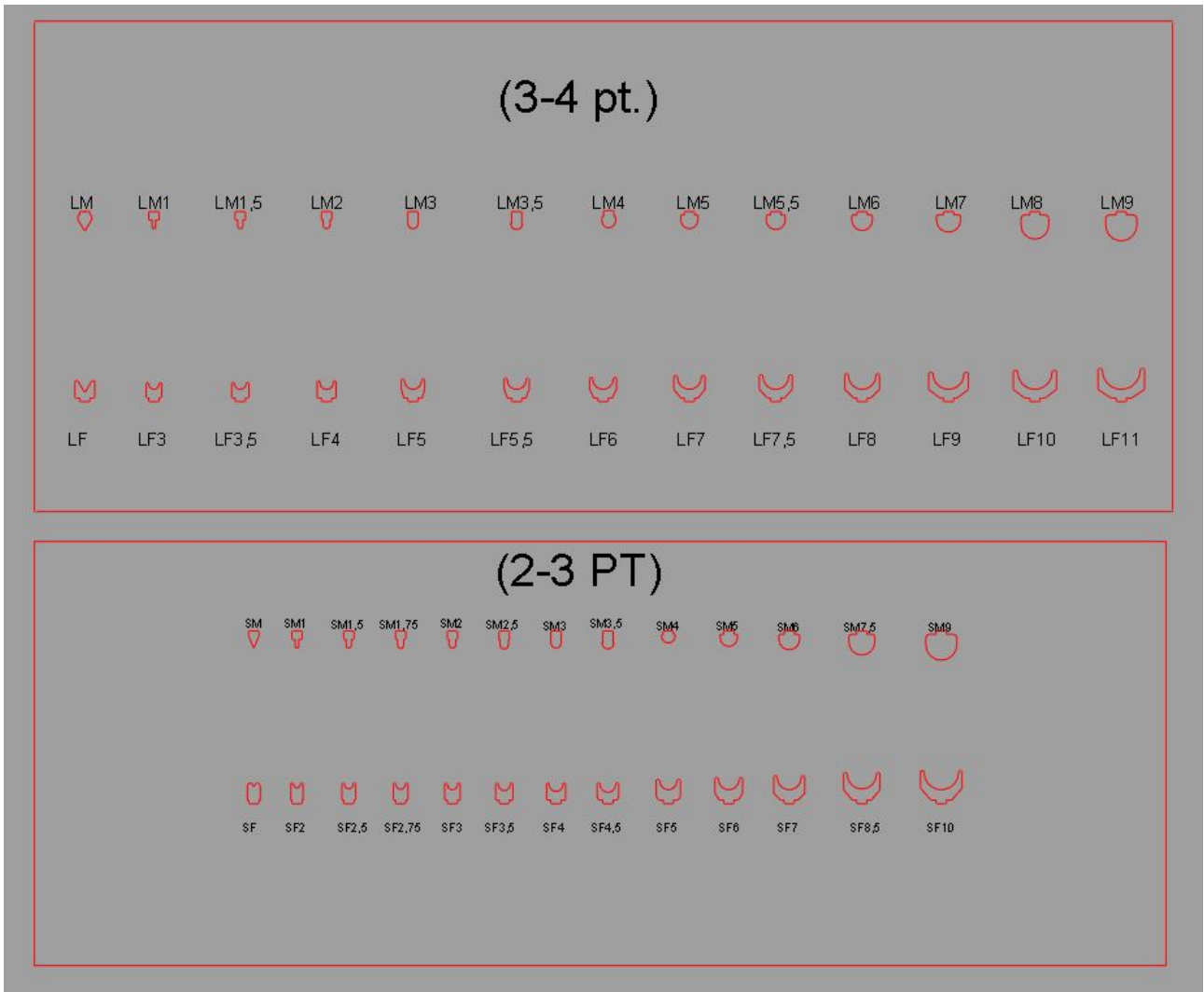


# 5-Bending Tools

## 5.1-Standard tool set information:

The standard and optional tool sets which are used in the UB-04 bending machine are shown below.

### Standard Bending Tools



# Defining of the Customized Bending Tools

Erkek Takım (Male Tool)

A	.....mm												
B	1	2	3	4	5	6	7	8	9	10	11	12	13
C	.....mm												
D	.....mm												
E	.....mm												
F	.....mm												
G	.....mm												
H	.....mm												

Dişi Takım (Female Tool)

A	.....mm												
B	1	2	3	4	5	6	7	8	9	10	11	12	13
C	.....mm												
D	.....mm												
E	.....mm												
F	.....mm												
G	.....mm												
H	.....mm												