







**T O U G H  
C O M P O N E N T S**

# **BOFORS**

## **Teeth with weld-on Adapters B-Lock Type**

### **TEETH**

The drop forged teeth are manufactured in two types; **for Excavator and for Loader buckets**. Due to **self-sharpening profile**, the **penetration possibility** is maintained throughout their working life. The **tapered shape** of the shank ensures a **streightening seating** between tooth and adapter so as to perform **high fracture resistance**.

The teeth are manufactured in **different sizes and shapes** in order to suit different buckets and applications. The **range covers most sizes** of conventional **loaders and excavators**.

They are **fully hardened** and the heat treatment gives **high surface hardness ( 500HB )** in combination with a tough core.

### **ADAPTERS**

They are **weld-on** and have a smooth countered line so as there is **no interference** with the flow of material when **loading or discharging** the bucket.

They are provided with a bevel that allows a **well-done welding**.

The adapter contains the entire tooth shank and the tapered matching **ensures a perfect seating** of the tooth, consequently, **high fracture resistance**.

They are **fully hardened** to a **surface hardness of 375HB** and they have a tough core.

### **LOCKING DEVICE**

It consists of two sections of **hardened and tempered steel**, specially **shaped to be vulcanized with rubber** together. The device is processed to withstand **extreme changes in pressure and temperature** and it is held in place firmly even under **the most severe conditions**.

For its **replacement**, even on the working field, **only one hammer and a steel drift are necessary**.

## **TECHNICAL INFORMATION**

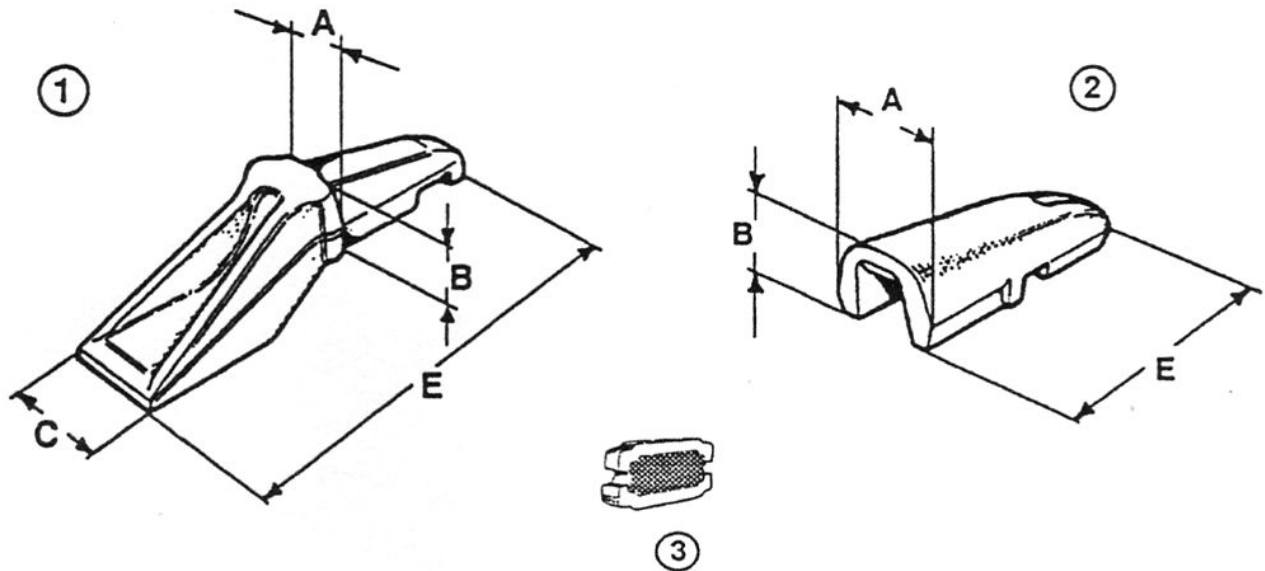
|                                  |                   | <b>Teeth</b> | <b>Adapters</b> |
|----------------------------------|-------------------|--------------|-----------------|
| <b>Material Specification</b>    |                   | 30MnCrB5H    | 30MnCrB5H       |
| <b>Mechanical Properties</b>     |                   |              |                 |
| Surface Hardness                 | HB                | 460÷520      | 340÷400         |
| Tensile Strenght                 | MPa               | 1530 min.    | 1150 min.       |
| Yeld Strenght                    | Mpa               | 1210 min.    | 860 min.        |
| Elongation                       | %                 | 7 min.       | 11 min.         |
| Impact Strenght<br>(DVM) to 20°C | J/cm <sup>2</sup> | 40 min.      | 55 min.         |

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| Size | Part Nr.<br>Old & New |         |       | MTM<br>Nr. | Description  | Ref. | Millimeters |     |     |     | Weight<br>Kg |
|------|-----------------------|---------|-------|------------|--------------|------|-------------|-----|-----|-----|--------------|
|      |                       |         |       |            |              |      | A           | B   | C   | E   |              |
| 1    | 4046815               | 4047166 | 30101 | 71.140.X0M | Tooth        | 1    | 36          | 36  | 61  | 260 | 2,50         |
|      | 4046816               |         | 31006 | 71.240.X0M | Adapter      | 2    | 62          | 50  |     | 119 | 1,00         |
|      | 6254673               |         | 30201 | 71.340.X1M | Lock. Rubber | 3    |             |     |     |     | 0,05         |
| 2    | 4046796               | 4047167 | 31102 | 71.141.X0M | Tooth        | 1    | 42          | 44  | 70  | 310 | 4,50         |
|      | 4046797               |         | 31004 | 71.241.X0M | Adapter      | 2    | 75          | 61  |     | 157 | 1,90         |
|      | 6254675               |         | 31201 | 71.341.X3M | Lock. Rubber | 3    |             |     |     |     | 0,09         |
| 3    | 3031537               | 3032680 | 32101 | 71.142.X0M | Tooth        | 1    | 54          | 54  | 85  | 380 | 8,20         |
|      | 4046819               |         | 32004 | 71.242.X0M | Adapter      | 2    | 92          | 74  |     | 204 | 3,80         |
|      | 6254677               |         | 32201 | 71.342.X5M | Lock. Rubber | 3    |             |     |     |     | 0,12         |
| 4    | 3027705               | 3031539 | 33102 | 71.143.X0M | Tooth        | 1    | 59          | 59  | 110 | 422 | 11,7         |
|      | 4046862               |         | 33004 | 71.243.X0M | Adapter      | 2    | 105         | 83  |     | 212 | 5,10         |
|      | 6254682               |         | 33201 | 71.343.X7M | Lock. Rubber | 3    |             |     |     |     | 0,18         |
| 5    | 3031197               | 3031542 | 34102 | 71.144.X0M | Tooth        | 1    | 70          | 70  | 125 | 527 | 22,0         |
|      | 4044339               |         | 34004 | 71.244.X0M | Adapter      | 2    | 115         | 94  |     | 257 | 8,20         |
|      | 6254682               |         | 33201 | 71.343.X7M | Lock. Rubber | 3    |             |     |     |     | 0,18         |
| 6    | 3031386               |         | 35102 | 71.145.X0M | Tooth        | 1    | 100         | 80  | 150 | 660 | 38,0         |
|      | 3031387               |         | 35003 | 71.245.X0M | Adapter      | 2    | 167         | 123 |     | 300 | 18,5         |
|      | 6254679               |         | 35201 | 71.345.X9M | Lock. Rubber | 3    |             |     |     |     | 0,32         |

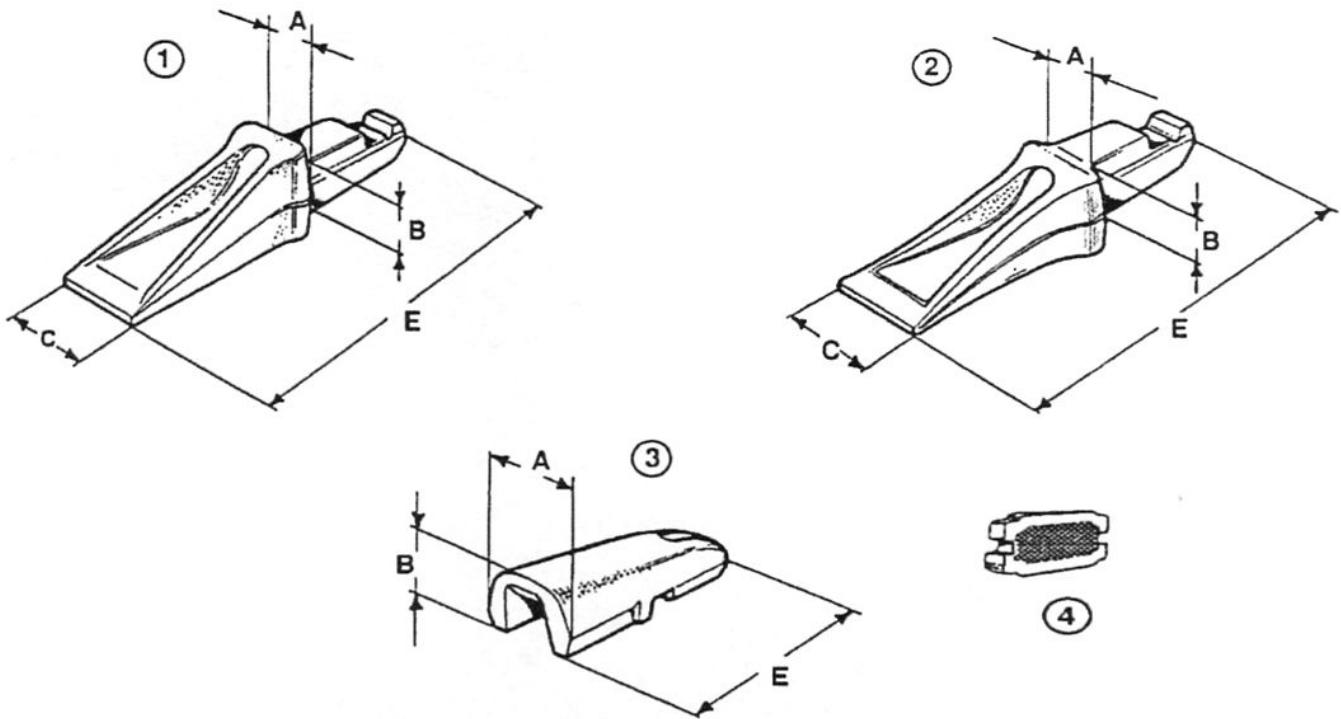
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Teeth, Adapters and Locks



**T O U G H  
C O M P O N E N T S**



| Size | Part Nr.<br>Old & New |       | MTM<br>Nr. | Description  | Ref. | Millimeters |    |     |     | Weight<br>Kg |
|------|-----------------------|-------|------------|--------------|------|-------------|----|-----|-----|--------------|
|      |                       |       |            |              |      | A           | B  | C   | E   |              |
| 1    | 4046818               | 30104 | 71.160.X0M | Tooth        | 1    | 36          | 36 | 61  | 228 | 2,20         |
|      | 4044291               | 30103 | 71.170.X0M | Tooth        | 2    | 36          | 36 | 61  | 228 | 2,10         |
|      | 4046816               | 31006 | 71.240.X0M | Adapter      | 3    | 62          | 50 |     | 119 | 1,00         |
|      | 6254673               | 30201 | 71.340.X1M | Lock. Rubber | 4    |             |    |     |     | 0,05         |
| 2    | 4046799               | 31104 | 71.161.X0M | Tooth        | 1    | 42          | 44 | 65  | 310 | 3,70         |
|      | 4044388               | 31103 | 71.171.X0M | Tooth        | 2    | 42          | 44 | 65  | 310 | 3,30         |
|      | 4046797               | 31004 | 71.241.X0M | Adapter      | 3    | 75          | 61 |     | 157 | 1,90         |
|      | 6254675               | 31201 | 71.341.X3M | Lock. Rubber | 4    |             |    |     |     | 0,09         |
| 3    | 3032682               | 32105 | 71.162.X0M | Tooth        | 1    | 54          | 54 | 80  | 345 | 7,10         |
|      | 3031362               |       | 71.172.X0M | Tooth        | 2    | 54          | 54 | 85  | 400 | 6,00         |
|      | 4046819               | 32004 | 71.242.X0M | Adapter      | 3    | 92          | 74 |     | 204 | 3,80         |
|      | 6254677               | 32201 | 71.342.X7M | Lock. Rubber | 4    |             |    |     |     | 0,12         |
| 4    | 3031354               | 33104 | 71.163.X0M | Tooth        | 1    | 59          | 59 | 110 | 400 | 11,2         |
|      | 4046862               | 33004 | 71.243.X0M | Adapter      | 3    | 105         | 83 |     | 212 | 5,10         |
|      | 6254682               | 33201 | 71.343.X7M | Lock. Rubber | 4    |             |    |     |     | 0,18         |
| 2    | 4046961*              |       | 71.164.X0M | Tooth        | 1    | 42          | 44 | 80  | 310 | 3,90         |
|      | 4046797               | 31004 | 71.241.X0M | Adapter      | 3    | 75          | 61 |     | 157 | 1,90         |
|      | 6254675               | 31201 | 71.341.X3M | Lock. Rubber | 4    |             |    |     |     | 0,09         |

\*Symmetrical

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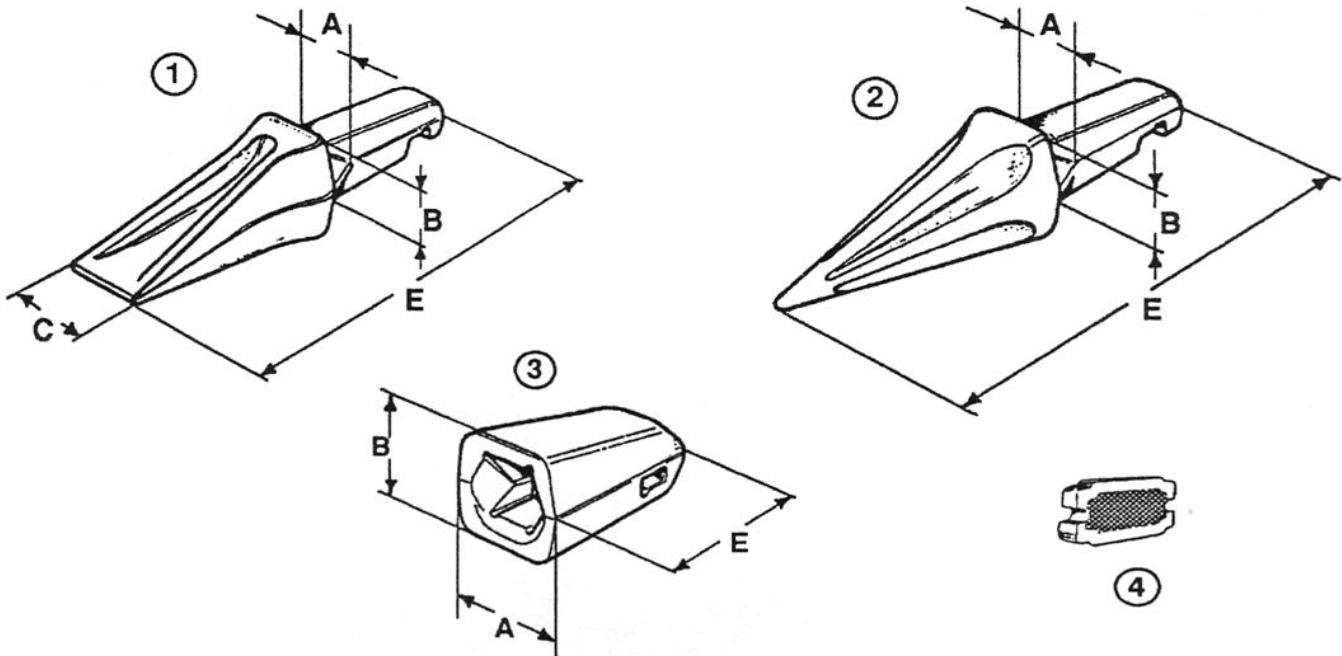


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Teeth, Adapters and Locks



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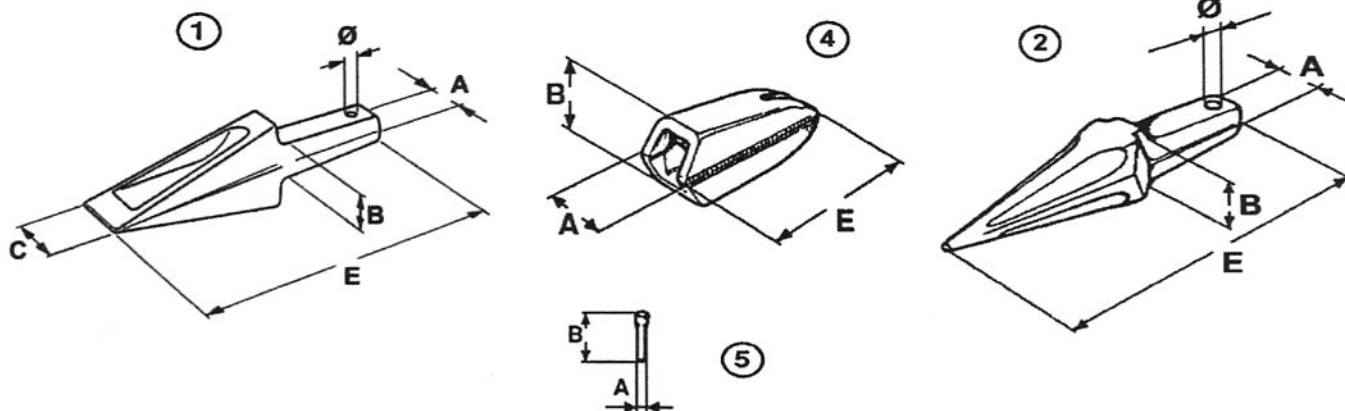
| Size | Part Nr.<br>Old & New |       | MTM<br>Nr. | Description  | Ref. | Millimeters |     |     |     | Weight<br>Kg |
|------|-----------------------|-------|------------|--------------|------|-------------|-----|-----|-----|--------------|
|      |                       |       |            |              |      | A           | B   | C   | E   |              |
| 1    | 4044336               | 31101 | 71.120.X0M | Tooth        | 1    | 44          | 44  | 80  | 340 | 6,0          |
|      |                       |       | 71.121.X0M | Tooth        | 2    | 44          | 44  |     | 380 | 6,0          |
|      | 3031434               | 31003 | 71.220.X1M | Adapter      | 3    | 100         | 95  |     | 195 | 7,0          |
|      | 6254675               | 31201 | 71.341.X3M | Lock. Rubber | 4    |             |     |     |     | 0,1          |
| 2    | 4044428               | 32102 | 71.122.X0M | Tooth        | 1    | 52          | 53  | 90  | 410 | 9,7          |
|      | 4046911               | 32103 | 71.123.X0M | Tooth        | 2    | 52          | 53  |     | 415 | 8,7          |
|      | 3031394               | 32003 | 71.222.X0M | Adapter      | 3    | 115         | 105 |     | 230 | 9,5          |
|      | 6254677               | 32201 | 71.342.X5M | Lock. Rubber | 4    |             |     |     |     | 0,1          |
| 3    | 3031334               | 33101 | 71.124.X0M | Tooth        | 1    | 58          | 58  | 100 | 485 | 14,0         |
|      | 3031364               | 33103 | 71.125.X0M | Tooth        | 2    | 58          | 58  |     | 500 | 12,5         |
|      | 3031395               | 33003 | 71.224.X1M | Adapter      | 3    | 125         | 110 |     | 270 | 12,5         |
|      | 6254682               | 33201 | 71.343.X7M | Lock. Rubber | 4    |             |     |     |     | 0,2          |
| 4    | 3031335               | 34101 | 71.126.X0M | Tooth        | 1    | 64          | 64  | 110 | 548 | 20,5         |
|      | 3031365               |       | 71.127.X0M | Tooth        | 2    | 64          | 64  |     | 558 | 19,0         |
|      | 3031396               | 34003 | 71.226.X1M | Adapter      | 3    | 140         | 125 |     | 300 | 18,0         |
|      | 6254682               | 33201 | 71.343.X7M | Lock. Rubber | 4    |             |     |     |     | 0,2          |
| 5    | 3031336               | 35101 | 71.128.X0M | Tooth        | 1    | 75          | 75  | 125 | 598 | 29,0         |
|      | 3031366               |       | 71.129.X0M | Tooth        | 2    | 75          | 75  |     | 623 | 27,0         |
|      | 3031397               |       | 71.228.X1M | Adapter      | 3    | 155         | 144 |     | 320 | 27,0         |
|      | 6254679               | 35201 | 71.345.X9M | Lock. Rubber | 4    |             |     |     |     | 0,3          |

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**TOUGH  
COMPONENTS**



| Size | Part Nr.<br>Old & New |         | MTM<br>Nr. | Description   | Ref. | Millimeters |     |     |     | Ø<br>mm. | Weight<br>Kg |
|------|-----------------------|---------|------------|---------------|------|-------------|-----|-----|-----|----------|--------------|
|      |                       |         |            |               |      | A           | B   | C   | E   |          |              |
| 1    | 4037988               |         | 71.101.X2M | Tooth H.14    | 1    | 45          | 45  | 76  | 333 | 14,0     | 5,0          |
|      | 4043608               | 4044145 | 71.201.X0M | Adapter       | 4    | 80          | 90  |     | 200 |          | 5,5          |
|      |                       |         | 71.301.X0M | Pin           | 5    | 13          | 80  |     |     |          | 0,1          |
| 2    | 4046729               |         | 71.102.X3M | Tooth H.14/24 | 1    | 50          | 50  | 80  | 345 | 14/24    | 7,3          |
|      |                       |         | 71.103.X3M | Tooth H.14/24 | 2    | 50          | 50  |     | 404 | 14/24    | 7,0          |
|      |                       |         | 71.202.X0M | Adapter       | 4    | 82          | 106 |     | 220 |          | 7,0          |
|      |                       |         | 71.302.X0M | Pin           | 5    | 13          | 100 |     |     |          | 0,2          |
| 3    | 4046663               |         | 71.104.X5M | Tooth H.20    | 1    | 57          | 58  | 90  | 400 | 20,0     | 10           |
|      | 4038261               | 38111   | 71.105.X5M | Tooth H.20    | 1    | 57          | 58  | 92  | 485 | 20,0     | 12           |
|      | 4038207               |         | 71.105.X6M | Tooth H.28    | 1    | 57          | 58  | 92  | 485 | 28,0     | 12           |
|      | 4038257               |         | 71.106.X5M | Tooth H.20    | 1    | 57          | 58  | 92  | 450 | 20,0     | 10           |
|      | 4038205               |         | 71.106.X6M | Tooth H.28    | 1    | 57          | 58  | 92  | 450 | 28,0     | 10           |
|      | 4046746               |         | 71.107.X5M | Tooth H.20    | 2    | 57          | 58  |     | 460 | 20,0     | 11           |
|      |                       |         | 71.107.X6M | Tooth H.20    | 2    | 57          | 58  |     | 460 | 28,0     | 11           |
|      | 3031112               | 3031264 | 71.204.X0M | Adapter       | 4    | 116         | 116 |     | 240 |          | 11           |
|      |                       |         | 71.304.X0M | Pin           | 5    | 18          | 125 |     |     |          | 0,3          |
| 4    | 3027689               | 38104   | 71.108.X5M | Tooth H.20    | 1    | 64          | 64  | 95  | 510 | 20,0     | 16           |
|      |                       |         | 71.109.X5M | Tooth H.20    | 2    | 64          | 64  |     | 550 | 20,0     | 16           |
|      |                       |         | 71.208.X0M | Adapter       | 4    | 116         | 134 |     | 300 |          | 17           |
|      |                       |         | 71.308.X0M | Pin           | 5    | 18          | 135 |     |     |          | 0,4          |
| 5    | 3027512               | 38101   | 71.110.X5M | Tooth H.20    | 1    | 75          | 75  | 105 | 580 | 20,0     | 24           |
|      |                       |         | 71.111.X5M | Tooth H.20    | 2    | 75          | 75  |     | 630 | 20,0     | 24           |
|      | 3031113               | 3031265 | 71.210.X0M | Adapter       | 4    | 121         | 145 |     | 330 |          | 22           |
|      |                       |         | 71.310.X0M | Pin           | 5    | 18          | 150 |     |     |          | 0,4          |

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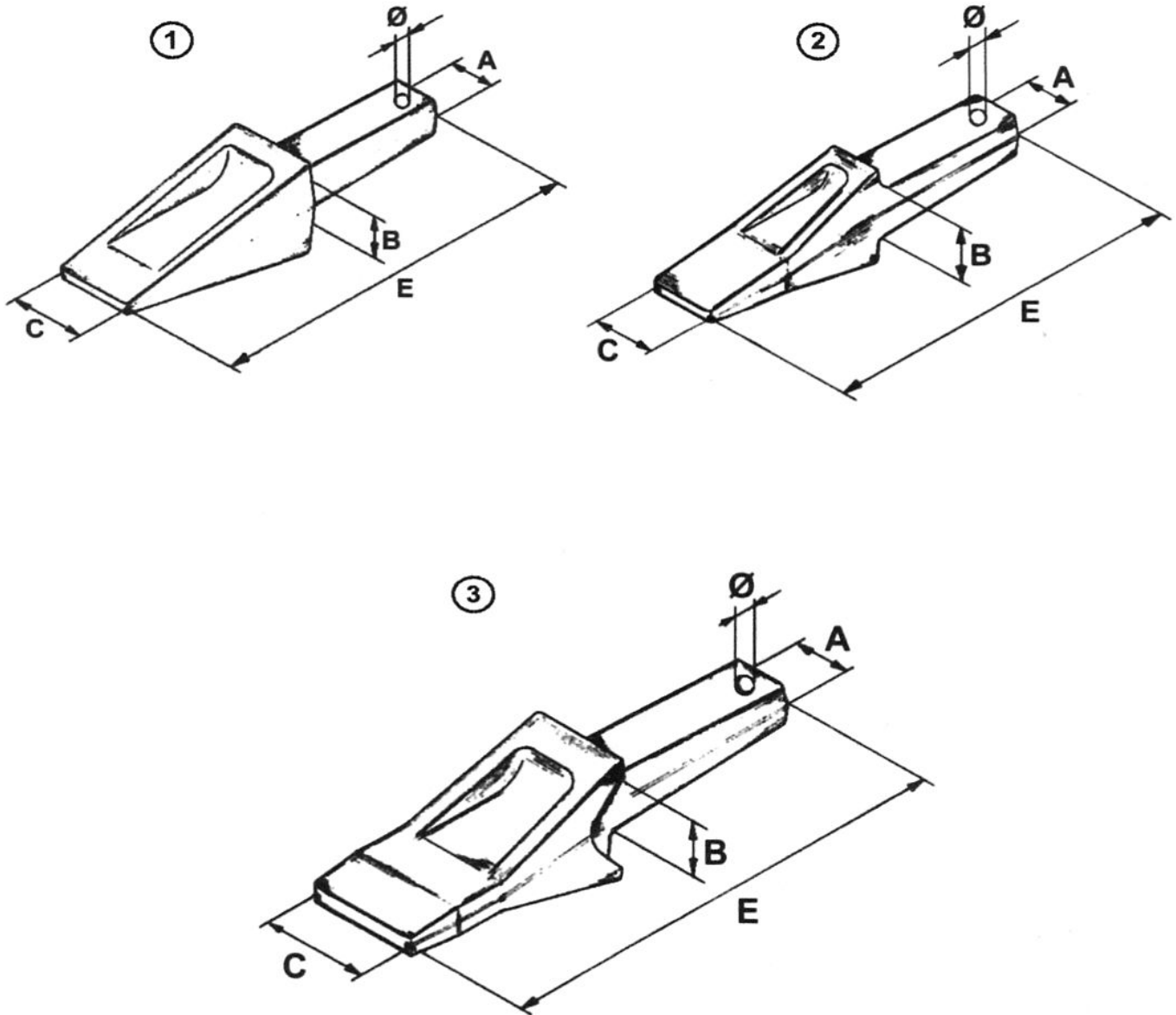


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| Size | Part Nr. |       | MTM Nr.    | Description | Ref. | Millimeters |    |     |     | Ø mm. | Weight Kg |
|------|----------|-------|------------|-------------|------|-------------|----|-----|-----|-------|-----------|
|      | Old      | New   |            |             |      | A           | B  | C   | E   |       |           |
| 3    | 88224    | ø24   | 71.115.X5M | Tooth       | 2    | 57          | 58 | 90  | 485 | 20    | 13,0      |
| 4    | 3027538  |       | 71.112.X5M | Tooth, H.20 | 1    | 64          | 64 | 120 | 510 | 20    | 21,0      |
|      | 88236    | ø36   | 71.116.X5M | Tooth       | 2    | 64          | 64 | 90  | 504 | 20    | 16,0      |
| 5    | 3027524  | 38102 | 71.114.X5M | Tooth, H.20 | 1    | 75          | 75 | 150 | 590 | 20,0  | 32,0      |
|      | 88254    | ø54   | 71.117.X5M | Tooth       | 3    | 75          | 75 | 150 | 598 | 20,0  | 34,0      |