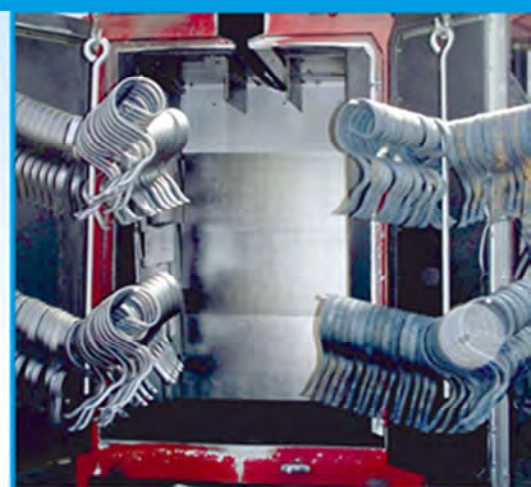




# LAMATOR GmbH

Made in Germany  
- seit 1906 -

## Catalog



### LAMATOR GmbH

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## ***Spring type tools in top quality*** ***"Made in Germany" - made by LAMATOR***

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*Spring type tools for optimal soil and seedbed preparation.*

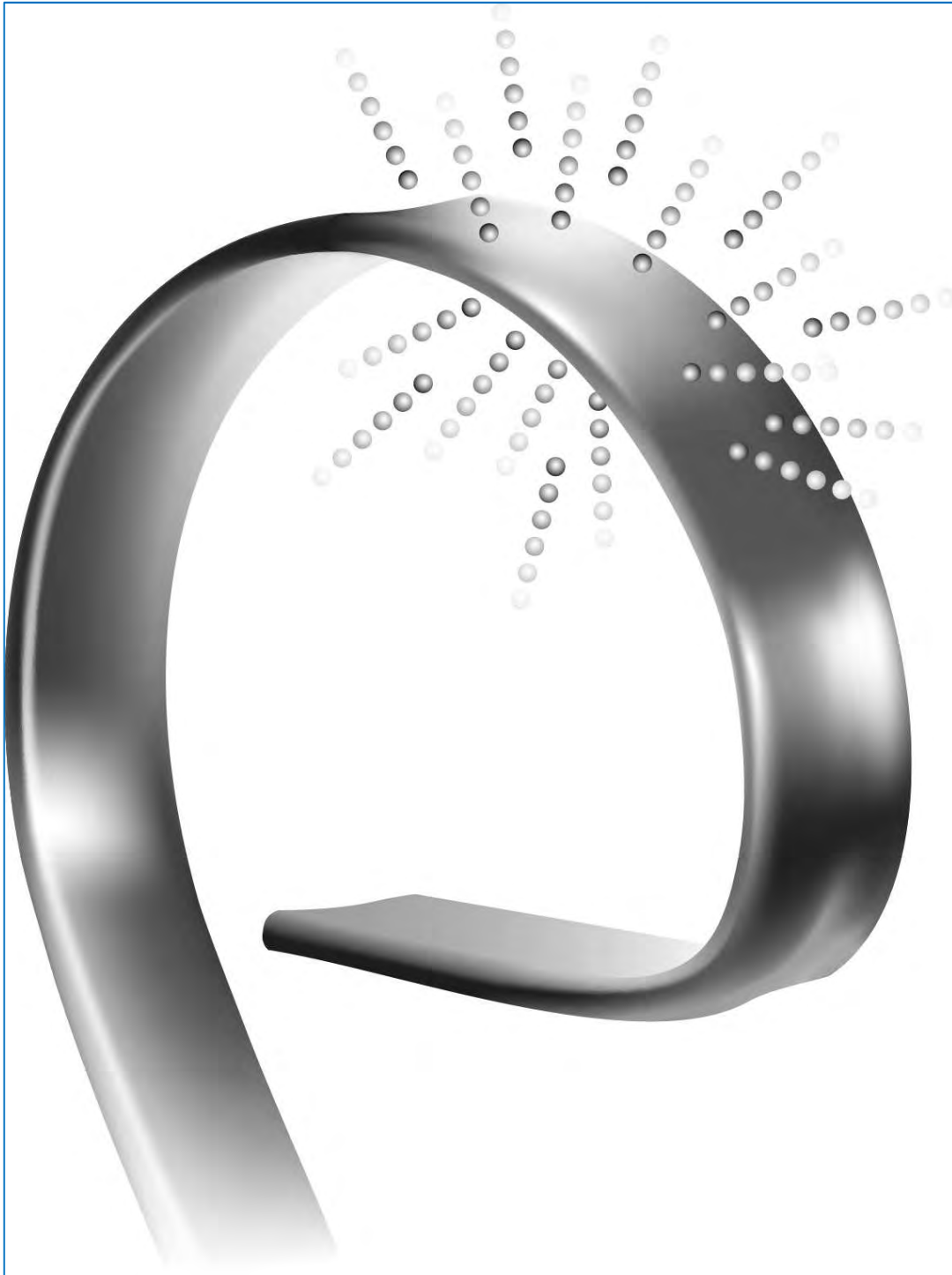
*Our spring tines and reversible points are the result of a decade long research and development. Combined with production know-how and technical reliability they result in a wide production range of best quality products in the industry. PERFECT FIT, LONG LASTING and TOP SURFACE are characteristics which result in our claim for perfection.*

### **Some reasons why LAMATOR products are simply better:**

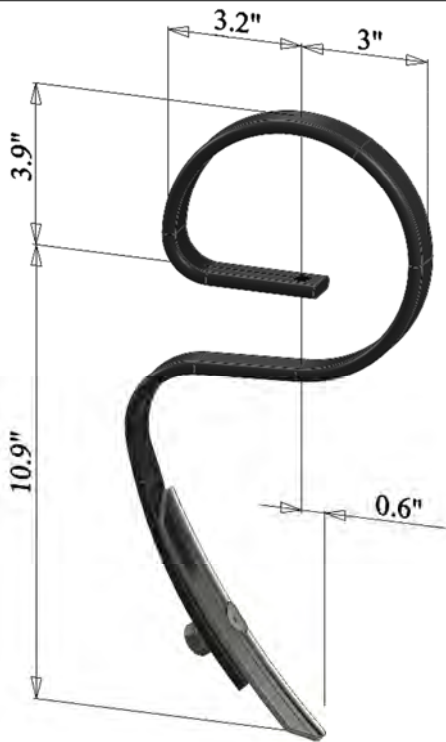
- ❖ We use steel with a special silicon-manganese alloy, rolled, rounded edges, heat treated and oil quenched, tempered to optimal durability.
- ❖ Exact process control in production time and temperature assure proper firmness and flexibility of products for a longer life span.
- ❖ During the manufacturing process parts are subject to constant quality checks regarding tolerance and firmness.
- ❖ Due to years of experience in the tillage the tine production has constantly been optimized and match ISO standards.
- ❖ Shot peening enhances the durability of all parts compacting the surface. At the same time it prepares the surface for a better finish.
- ❖ Products are dip-painted in a high gloss lacquer and cured by infrared heat assuring a resistant finish as well as a glossy look.
- ❖ Tines are tested according to ISO DIN 8947 guaranteed to last at least 5,000,000 load change vibrations.
- ❖ LAMATOR products are bundled and packaged on pallets covered with shrink wrap.
- ❖ Different tines and points made by LAMATOR can be combined.
- ❖ A large selection of tine clamps made by LAMATOR are available to all tine and frame combinations.

***TURBO Shot peening using a certified shot peen material***

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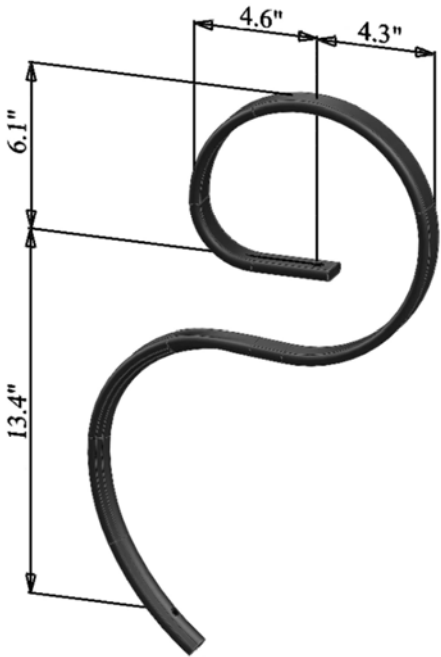
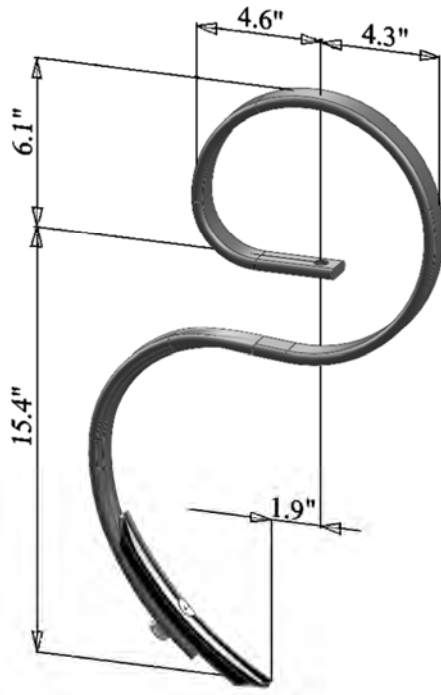


## *Harrow Tines*

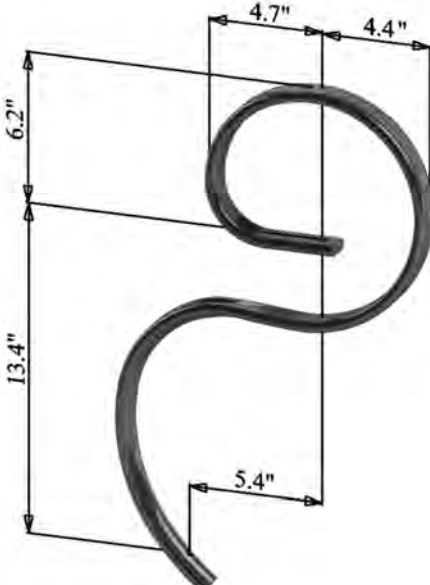
|                                                                                     | Description                                                                                                                     | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
|   | <p>❖ <b>Harrow Tine 25 x 8</b><br/>(1" x 5/16")<br/><b>with point 30 x 5 x 170</b><br/>(1.2" x 0.2" x 6.7")</p>                 | <b>120 8461</b> | <b>2.740 lbs/pc</b> |
|  | <p>❖ <b>Harrow Tine bent „RAU“</b><br/><b>25 x 8 (1" x 5/16")</b><br/><b>with point 25 x 5 x 140</b><br/>(1" x 0.2" x 5.5")</p> | <b>120 8470</b> | <b>2.392 lbs/pc</b> |



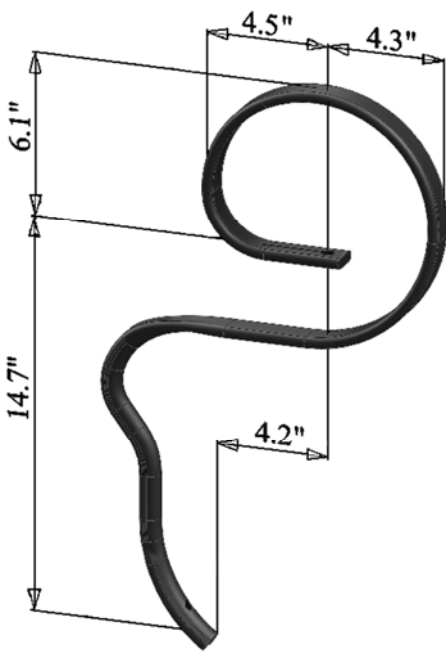
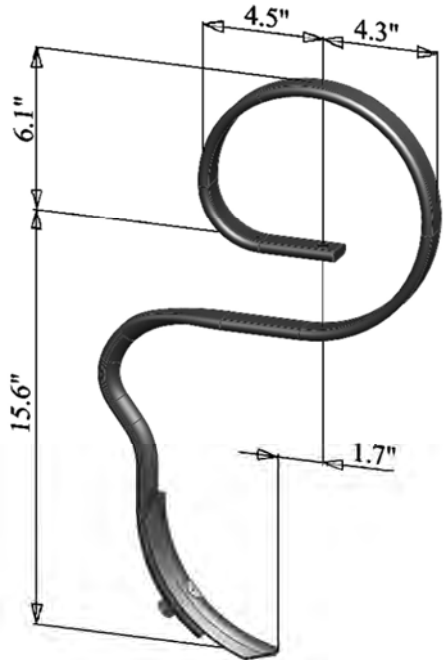
## Formed S-Tines 1¼"

|                                                                                     | Description                                                | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------|---------------------|
|   | ❖ <b>Standard Tine 32 x 10 x 560</b><br>(1¼" x 3/8" x 22") | <b>120 8902</b> | <b>5.807 lbs/pc</b> |
|                                                                                     |                                                            |                 |                     |
|  | ❖ <b>Standard Tine 32 x 10 x 560</b><br>(1¼" x 3/8" x 22") | <b>120 9011</b> | <b>6.631 lbs/pc</b> |
|                                                                                     | <b>with point 40 x 6 x 200</b><br>(1½" x ¼" x 8")          | <b>120 5555</b> | <b>0.736 lbs/pc</b> |
|                                                                                     | <b>Suitable Helper Spring 32 x 10</b><br>(1¼" x 3/8")      | <b>120 9135</b> | <b>3.457 lbs/pc</b> |

## Formed S-Tines 1¼"

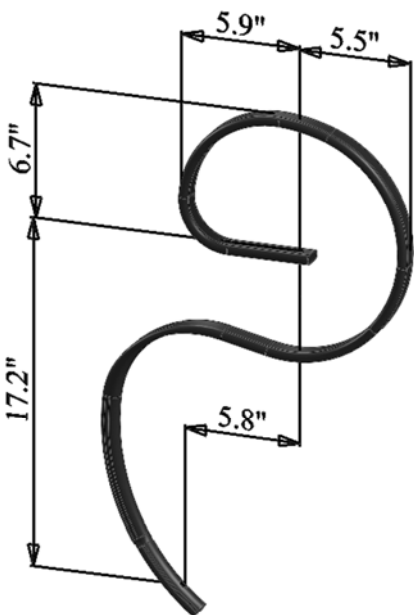
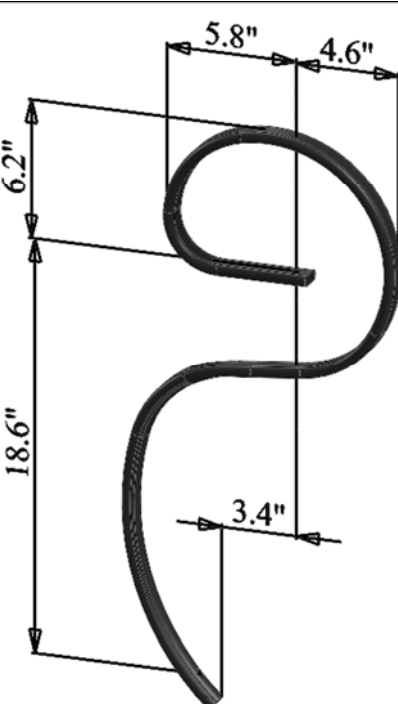
|                                                                                     | Description                                                    | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------|---------------------|
|   | ❖ <b>Standard Tine 32 x 12 x 560</b><br>(1¼" x 15/32" x 22")   | <b>120 8935</b> | <b>6.614 lbs/pc</b> |
|                                                                                     |                                                                |                 |                     |
|  | ❖ <b>Heavy Duty Tine 32 x 12 x 560</b><br>(1¼" x 15/32" x 22") | <b>120 9028</b> | <b>7.438 lbs/pc</b> |
|                                                                                     | <b>with point 40 x 6 x 200</b><br>(1½" x ¼" x 8")              | <b>120 5555</b> | <b>0.736 lbs/pc</b> |
|                                                                                     | <b>Suitable Helper Spring 32 x 10</b><br>(1¼" x 3/8")          | <b>120 9135</b> | <b>3.457 lbs/pc</b> |

## Formed S-Tines 1¼"

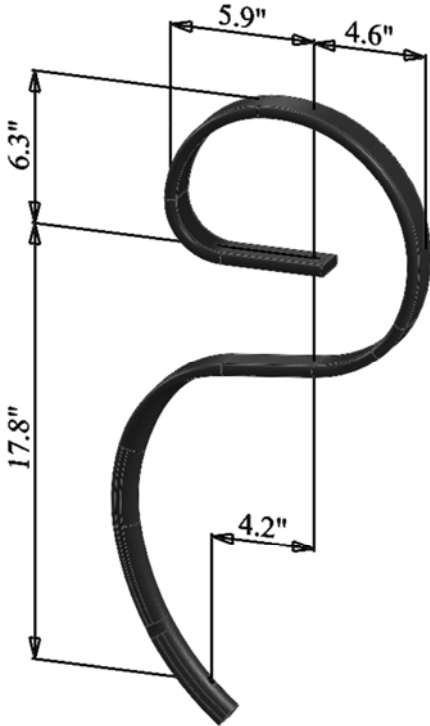
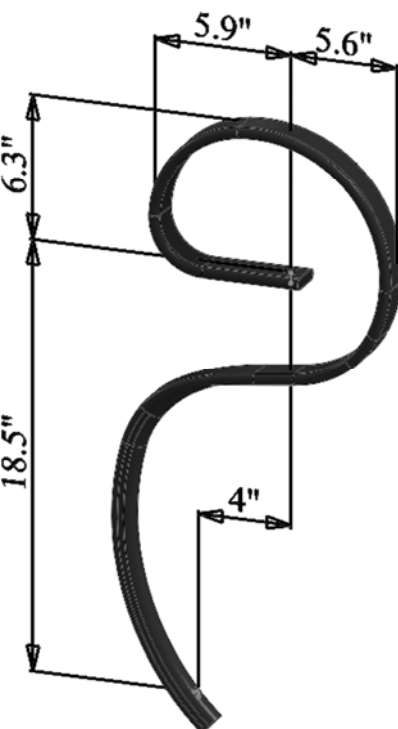
| Description                                                                         | Part Number                                                                                                                                                                | Weight                                                                                             |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|   | <p>❖ <b>Easy-Flow S-Tine</b><br/> <b>32 x 10 x 560 RAU</b><br/>           (1¼" x 15/32" x 22")<br/>           without point</p>                                            | <p><b>120 3250</b>      <b>5.842 lbs/pc</b></p>                                                    |
|  | <p>❖ <b>Easy-Flow Spring Tine</b><br/> <b>32 x 10 x 560 RAU</b><br/>           (1¼" x 15/32" x 22")<br/> <b>with point 40 x 6 x 199</b><br/>           (1½" x ¼" x 7")</p> | <p><b>120 0250</b>      <b>6.681 lbs/pc</b><br/><br/> <b>120 8601</b>      <b>0.750 lbs/pc</b></p> |
| <p><b>Suitable Helper Spring 32 x 10</b><br/>           (1¼" x 3/8")</p>            | <p><b>120 9135</b></p>                                                                                                                                                     | <p><b>3.457 lbs/pc</b></p>                                                                         |



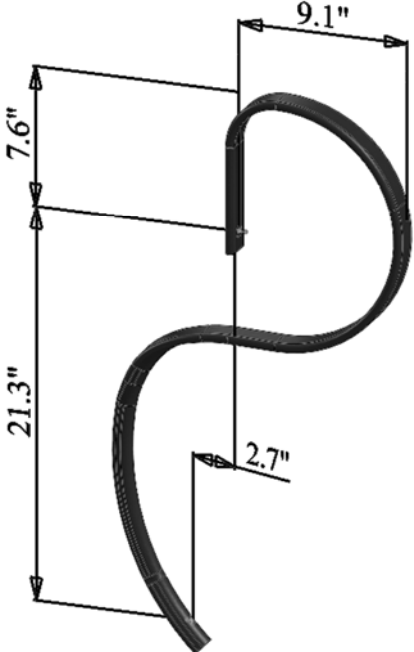
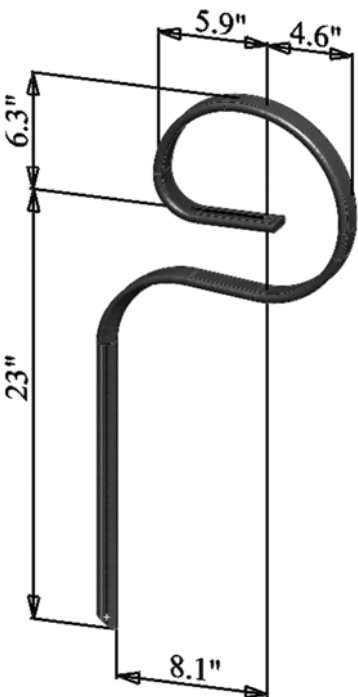
## Formed S-Tines 1¼"

| Description                                                                                                                                                                                                             | Part Number     | Weight              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
|  <p>❖ <b>Heavy Tine 32 x 12 x 645</b><br/>(1¼" x 15/32" x 25.4")</p> <p>especially suitable for sweeps<br/>and big frame sections</p> | <b>120 9110</b> | <b>8.137 lbs/pc</b> |
|  <p>❖ <b>High Clearance Tine</b><br/><b>32 x 12 x 660</b><br/>(1¼" x 15/32" x 26")</p>                                               | <b>120 8260</b> | <b>7.529 lbs/pc</b> |

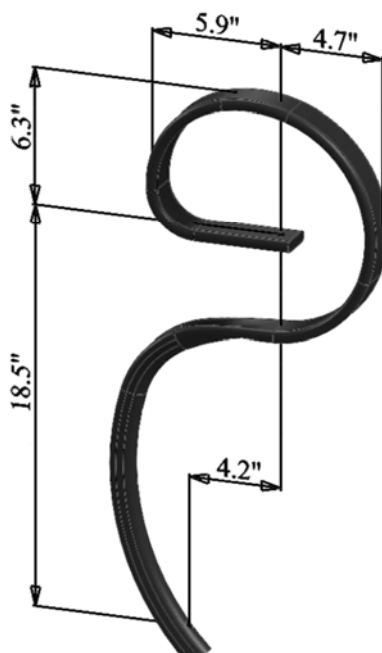
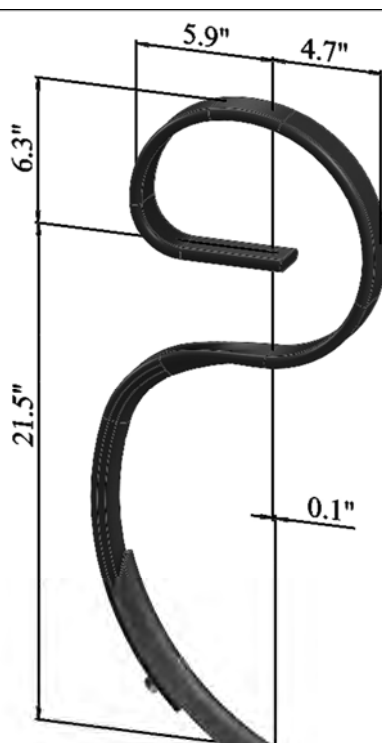
## Formed S-Tines 1 3/4"

| Description                                                                                                                                                                             | Part Number     | Weight               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|
|  <p>❖ <b>Extra Heavy Tine</b><br/> <b>45 x 12 x 650</b><br/>           (1 3/4" x 15/32" x 25.6")</p>  | <b>120 8251</b> | <b>10.772 lbs/pc</b> |
|  <p>❖ <b>Special Heavy Tine</b><br/> <b>45 x 12 x 660</b><br/>           (1 3/4" x 15/32" x 26")</p> | <b>120 8252</b> | <b>10.855 lbs/pc</b> |

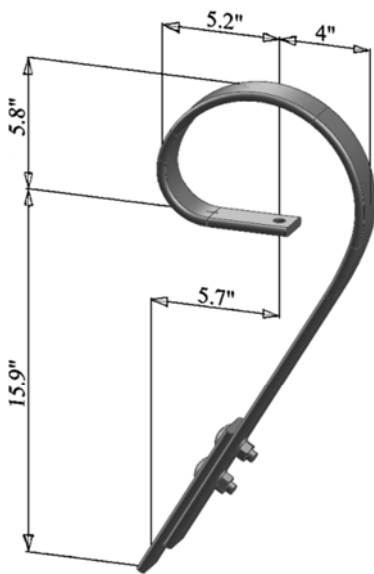
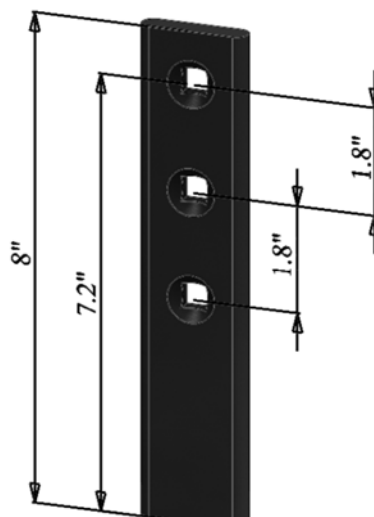
## Formed S-Tines 1 3/4"

|                                                                                     | Description                                                      | Part Number     | Weight               |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|----------------------|
|   | ❖ <b>Special Tine 45 x 12 x 775</b><br>(1 3/4" x 15/32" x 30.5") | <b>120 9150</b> | <b>11.506 lbs/pc</b> |
|  | ❖ <b>Extra Heavy Tine 45 x 12</b><br>(1 3/4" x 15/32")           | <b>120 8280</b> | <b>13.583 lbs/pc</b> |
|                                                                                     | <b>Suitable Helper Spring 45 x 10</b><br>(1 3/4" x 3/8")         | <b>120 9138</b> | <b>5.672 lbs/pc</b>  |

## Formed S-Tines 2"

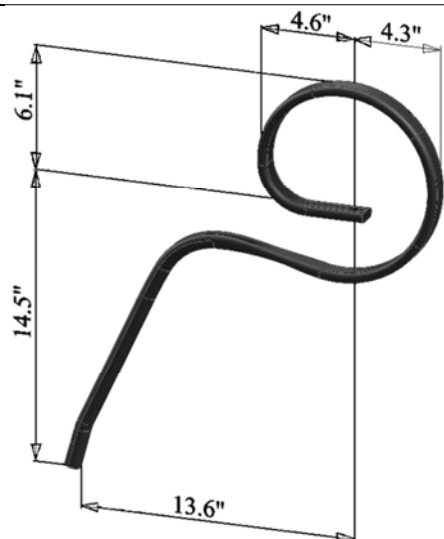
|                                                                                                                                                                                                        | Description                                                            | Part Number     | Weight                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------|-----------------------|
|   | ❖ <b>Special Heavy Tine</b><br><b>50 x 13 x 660</b><br>(2" x ½" x 26") | <b>120 9350</b> | <b>13.1373 lbs/pc</b> |
|                                                                                                                                                                                                        |                                                                        |                 |                       |
|  | ❖ <b>Special Heavy Tine</b><br><b>50 x 13 x 660</b><br>(2" x ½" x 26") | <b>120 9351</b> | <b>14.705 lbs/pc</b>  |
|                                                                                                                                                                                                        | <b>with point 60 x 6 x 260</b><br>(2 3/8" x ¼" x 10.2")                | <b>120 8251</b> | <b>1.477 lbs/pc</b>   |
|                                                                                                                                                                                                        |                                                                        |                 |                       |
|                                                                                                                                                                                                        | <b>Suitable Helper Spring 50 x 13</b><br>(2" x ½" )                    | <b>120 9352</b> | <b>8.203 lbs/pc</b>   |

## Levelling Tine 1 3/4" x 3/8" and suitable Wearing Part

|                                                                                     | Description                                                                                                                                | Part Number       | Weight              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
|   | ❖ <b>Levelling Tine 45 x 10</b><br>(1 3/4" x 3/8")<br><b>2-holes</b><br><b>with Wearing Plate</b><br><i>Horsch 00310092</i><br>consist of: | <b>120 8111</b>   | <b>8.430 lbs/pc</b> |
|                                                                                     | Levelling Tine 45 x 10, 2 holes                                                                                                            | 120 8110          | 6.733 lbs/pc        |
|                                                                                     | Wearing Plate 45 x 10, straight<br>and two bolts                                                                                           | 120 8014 1        | 1.442 lbs/pc        |
|                                                                                     |                                                                                                                                            |                   |                     |
|  | ❖ <b>Wearing plate 45 x 10</b><br><b>straight with</b><br><b>3 x 4-square hole countersunk</b><br><i>original no. 00310092</i>             | <b>120 8014 1</b> | <b>1.442 lbs/pc</b> |

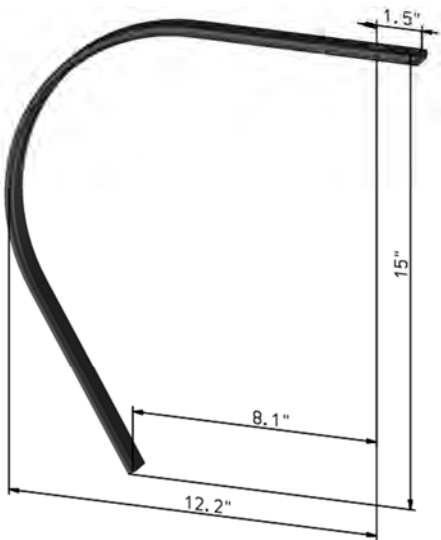
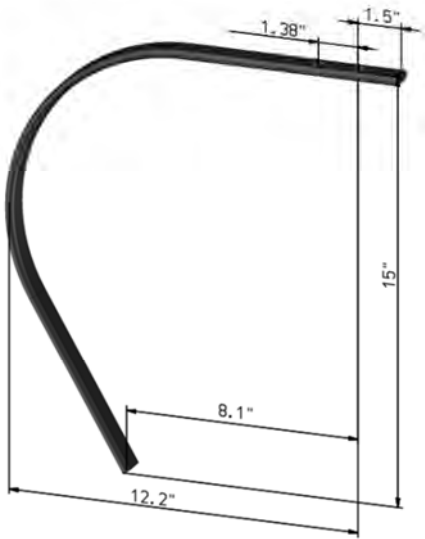


## Stone Picker Tine

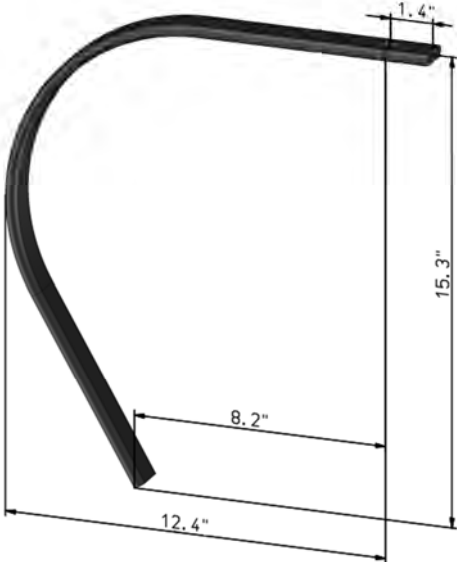
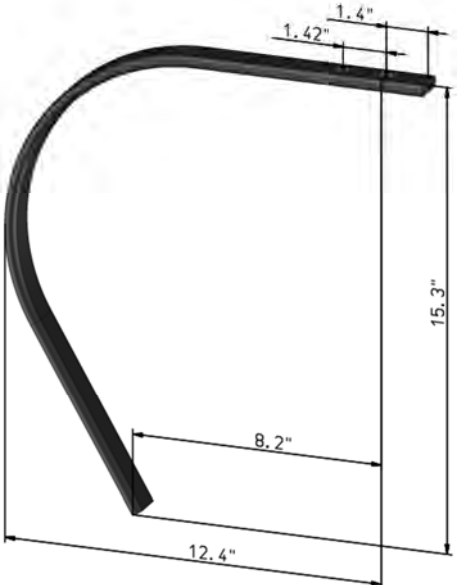


| Description                                                                                                            | Part Number      | Weight              |
|------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|
| ❖ <b>Stone Picker Tine 32 x 12</b><br>(1¼" x 15/32")<br>for <i>Kongskilde Stonebear</i><br><i>Kongskilde 500068401</i> | <b>120 8945a</b> | <b>7.011 lbs/pc</b> |
| <b>Suitable Helper Spring 32 x 10</b><br>(1¼" x 3/8")<br><i>Kongskilde 500068402</i>                                   | <b>120 9135</b>  | <b>3.457 lbs/</b>   |

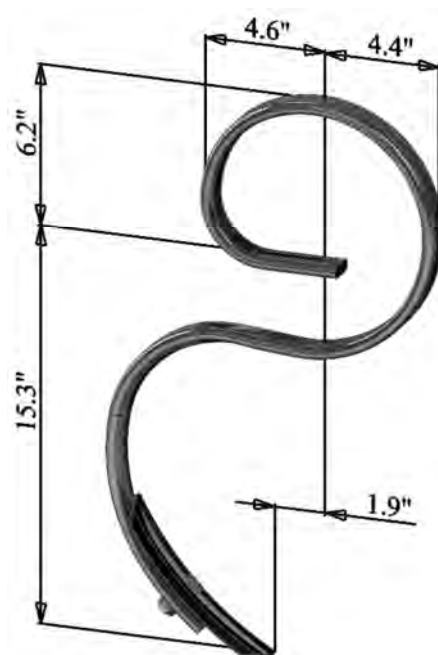
## Rake Tines 1" x 5/16"

|                                                                                                                                                                                                                                                                                                                                                                                                                      | Description                                                   | Part Number     | Weight              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------|---------------------|
|                                         | <b>❖ Standard Rake Tine 25 x 8</b><br>(1" x 5/16")<br>1 hole  | <b>120 9162</b> | <b>2.077 lbs/pc</b> |
|  | <b>❖ Standard Rake Tine 25 x 8</b><br>(1" x 5/16")<br>2 holes | <b>120 9163</b> | <b>2.077 lbs/pc</b> |

## Rake Tines 1¼" x 3/8"

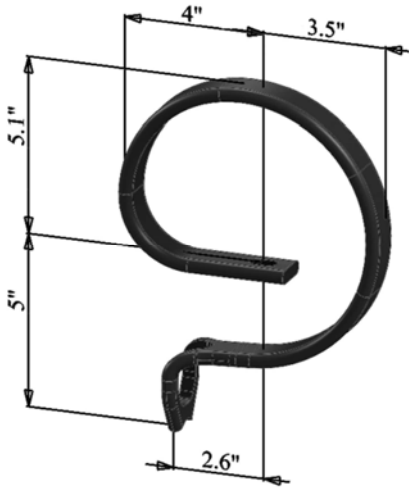
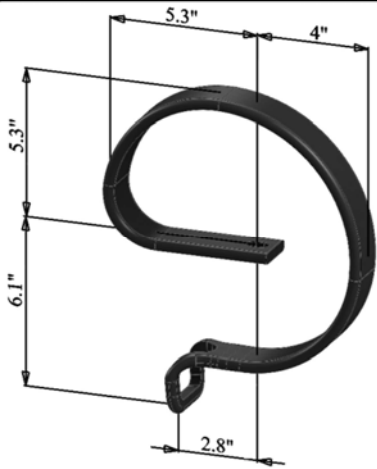
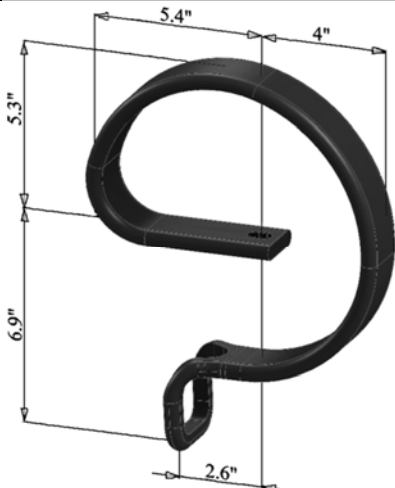
|                                                                                     | Description                                                      | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|---------------------|
|   | <b>❖ Heavy Duty Rake Tine 32 x 10</b><br>(1¼" x 3/8")<br>1 hole  | <b>120 9161</b> | <b>3.457 lbs/pc</b> |
|  | <b>❖ Heavy Duty Rake Tine 32 x 10</b><br>(1¼" x 3/8")<br>2 holes | <b>120 9164</b> | <b>3.457 lbs/pc</b> |

## OPTiFLEX Special Spring Tine

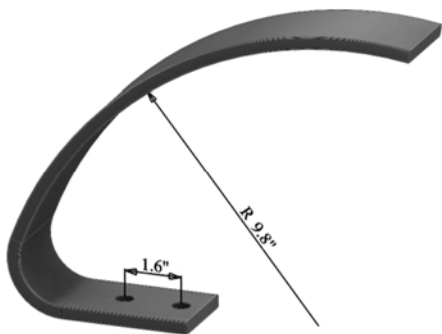
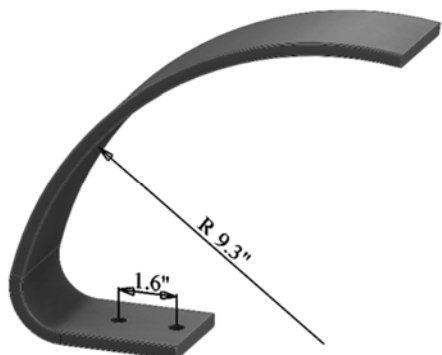
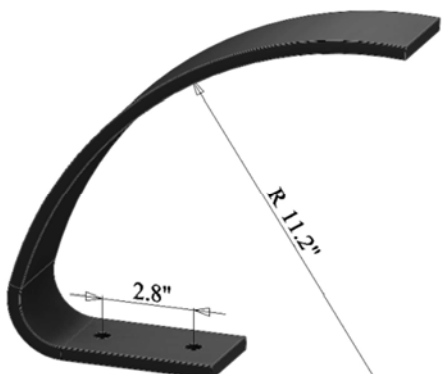
|                                                                                                                                        | Description                                                                                                                                     | Part Number     | Weight              |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
|  | ❖ <b>Special Spring Tine 32 x 12</b><br>(1¼" x 15/32")<br><b>„OPTiFLEX“</b><br><b>with point 40 x 6 x 200</b><br>(1½" x ¼" x 8")<br>consist of: | <b>150 9028</b> | <b>7.313 lbs/pc</b> |
|                                                                                                                                        | Special Tine 32 x 12                                                                                                                            | 150 8935        | 6.489 lbs/pc        |
|                                                                                                                                        | „OPTiFLEX“                                                                                                                                      |                 |                     |
|                                                                                                                                        | R-point 40 x 6 x 200                                                                                                                            | 120 5555        | 0.736 lbs/pc        |
|                                                                                                                                        | and cultivator bolt<br>M 10 x 37 / 8.8                                                                                                          | 120 1037        | 0.088 lbs/pc        |



## Helper Springs

|                                                                                     | Description                                                                                                                                                                                                                                                                    | Part Number | Weight       |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
|    | <p>❖ <b>Helper Spring with eye 32 x 10</b><br/>(1¼" x 3/8")<br/><b>Strengthening for Standard, Kulti and Special Tines with a section of 32 x 10 and 32 x 12</b><br/>Fitting to the part-numbers:<br/>120 8902 / 9011<br/>120 8935 / 9028<br/>120 3250 / 0250<br/>120 8945</p> | 120 9135    | 3.457 lbs/pc |
|  | <p>❖ <b>Helper Spring with eye 45 x 10</b><br/>(1¾" x 3/8")<br/><b>Strengthening for Extra Heavy Tines with a section of 45 x 12</b><br/>Fitting to the part-numbers:<br/>120 8251<br/>120 8252<br/>120 8280</p>                                                               | 120 9138    | 5.672 lbs/pc |
|  | <p>❖ <b>Helper Spring with eye 50 x 13</b><br/>(2" x ½")<br/><b>Strengthening for Extra Heavy Tines with a section of 50 x 13</b><br/>Fitting to the part-number:<br/>120 9350 / 9351</p>                                                                                      | 120 9352    | 9.449 lbs/pc |

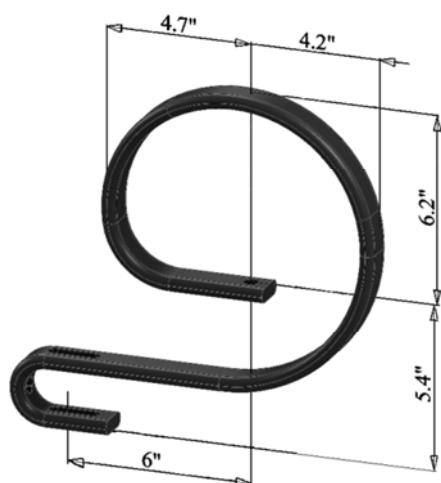
## Packer Springs

|                                                                                     | Description                                                                             | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------|---------------------|
|    | ❖ <b>Packer Spring 60 x 9</b><br>(2.36" x 0.35")<br>RollFlex Roller<br>Horsch 00330141  | <b>120 9710</b> | <b>4.409 lbs/pc</b> |
|   | ❖ <b>Packer Spring 70 x 9</b><br>(2.75" x 0.35")<br>RollFlex Roller<br>Horsch 00330142  | <b>120 9714</b> | <b>4.916 lbs/pc</b> |
|  | ❖ <b>Packer Spring 70 x 10</b><br>(2.75" x 0.39")<br>RollFlex Roller<br>Horsch 00330198 | <b>120 9708</b> | <b>6.614 lbs/pc</b> |



## Hoe parts

| Description | Part Number | Weight |
|-------------|-------------|--------|
|-------------|-------------|--------|

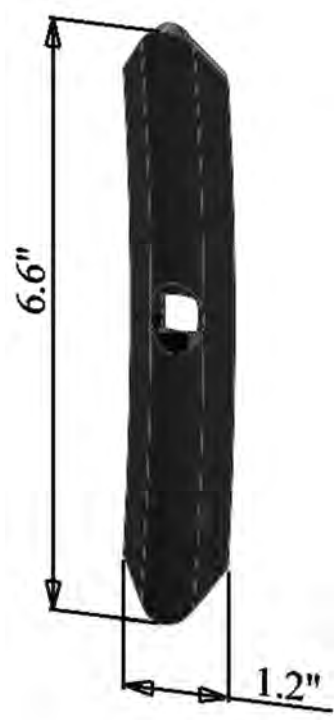


❖ **Vibro Spring 32 x 12**  
(1¼" x 15/32")

**120 4101**

**5.754 lbs/pc**

## *Reversible Points for Harrow Tines*

|                                                                                     | Description                                                                                       | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------|---------------------|
|   | ❖ <b>Reversible Point 25 x 5 x 140</b><br><b>RAU</b> (1" x 0.2" x 5.5")<br>for cultivator bolt M8 | <b>120 8485</b> | <b>0.289 lbs/pc</b> |
|  | ❖ <b>Reversible Point 30 x 5 x 170</b><br>(1.2" x 0.2" x 6.7")<br>for cultivator bolt M10         | <b>120 8486</b> | <b>0.408 lbs/pc</b> |

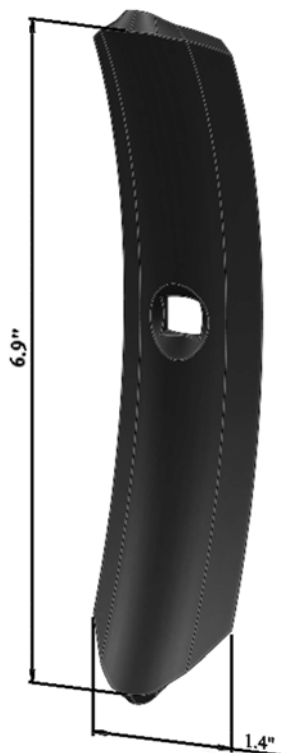
## *Reversible Point for Easy-Flow Tine RAU*

| Description | Part Number | Weight |
|-------------|-------------|--------|
|-------------|-------------|--------|

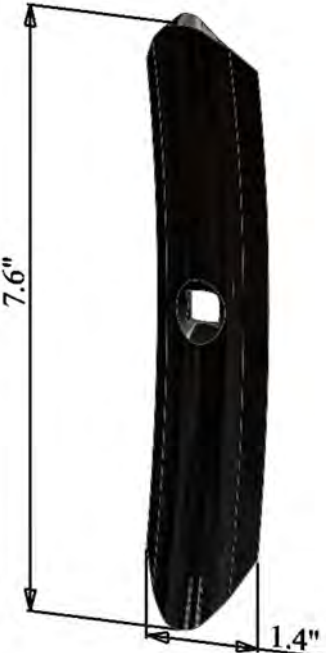
❖ **Reversible Point 40 x 6 x 199**  
(1½" x ¼" x 7")  
for cultivator bolt M10

**120 8601**

**0,750 lbs/pc**



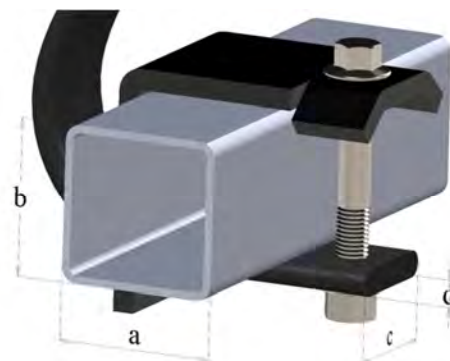
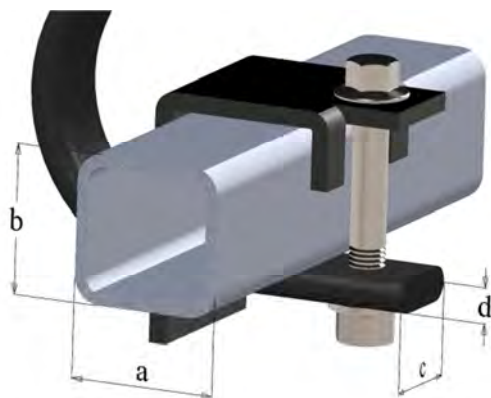
## *Reversible Points for Bent Tines*

|                                                                                     | Description                                                 | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------|---------------------|
|   | ❖ <b>Reversible Point 40 x 6 x 135</b><br>(1½" x ¼" x 5.3") | <b>120 7057</b> | <b>0.481 lbs/pc</b> |
|  | ❖ <b>Reversible Point 40 x 6 x 200</b><br>(1½" x ¼" x 8")   | <b>120 5555</b> | <b>0.736 lbs/pc</b> |

## *Reversible Points for Extra Heavy Tines 45 x 12 (1¾" x 15/32")*

|                                                                                     | Description                                                                                                     | Part Number     | Weight              |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
|   | ❖ <b>Reversible Point 50 x 6 x 215</b><br>(2" x ¼" x 8.5")                                                      | <b>120 8541</b> | <b>0.981 lbs/pc</b> |
|                                                                                     |                                                                                                                 |                 |                     |
|  | ❖ <b>Reversible Point 60 x 6 x 260</b><br>(2 3/8" x ¼" x 10.2")                                                 | <b>120 8521</b> | <b>1.477 lbs/pc</b> |
|                                                                                     | ❖ <b>Reversible Point 60 x 6 x 260</b><br>(2 3/8" x ¼" x 10.2")<br>with hole Ø 7/16"<br>for cultivator bolt M10 | <b>120 8522</b> | <b>1.477 lbs/pc</b> |

## Clamps for inch unit frame



| Description       |       |              |    | Part Number | Weight       |
|-------------------|-------|--------------|----|-------------|--------------|
| Frame transection |       | Tine section |    |             |              |
| a                 | b     | c            | d  |             |              |
| 3"                | 3"    | 45           | 12 | 120 9850    | 1.836 lbs/pc |
| 2,5"              | 2,5"  | 45           | 12 | 120 9840    | 1.592 lbs/pc |
| 2,5"              | 2,5"  | 32           | 12 | 120 9910    | 1.649 lbs/pc |
| 2,5"              | 2,5"  | 32           | 10 | 120 9900    | 1,649 lbs/pc |
| 2"                | 2"    | 45           | 12 | 120 9830    | 1.415 lbs/pc |
| 2"                | 2"    | 32           | 12 | 120 9820    | 0.897 lbs/pc |
| 2"                | 2"    | 32           | 10 | 120 8992    | 0.897 lbs/pc |
| 1"                | 1"    | 25           | 8  | 120 9860    | 0.375 lbs/pc |
| 40 mm             | 10 mm | 25           | 8  | 120 6017    | 0.346 lbs/pc |
| 50 mm             | 12 mm | 32           | 10 | 120 5780    | 0.509 lbs/pc |
| 50 mm             | 12 mm | 32           | 12 | 120 5965    | 0.540 lbs/pc |
|                   |       |              |    |             |              |



## ***Cultivator Bolts***



| Description                                    | Part Number     | Weight              |
|------------------------------------------------|-----------------|---------------------|
| <b>Cultivator Bolt M8 x 33 / 6.6 with Nut</b>  | <b>120 0833</b> | <b>0.042 lbs/pc</b> |
| <b>Cultivator Bolt M10 x 35 / 8.8 with Nut</b> | <b>120 1035</b> | <b>0.066 lbs/pc</b> |
| <b>Cultivator Bolt M10 x 37 / 8.8 with Nut</b> | <b>120 1037</b> | <b>0.073 lbs/pc</b> |
| <b>Cultivator Bolt M10 x 40 / 8.8 with Nut</b> | <b>120 1040</b> | <b>0.079 lbs/pc</b> |
| <b>Cultivator Bolt M10 x 45 / 8.8 with Nut</b> | <b>120 1045</b> | <b>0.086 lbs/pc</b> |
| <b>Cultivator Bolt M10 x 50 / 8.8 with Nut</b> | <b>120 1050</b> | <b>0.110 lbs/pc</b> |

## *Comments about our Program*

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- ❖ Our strength is the development of parts to customer's specifications. Especially for manufacturers it is an advantage to use custom made products.
  - ❖ Our engineering department is equipped with a 3D CAD system which is linked up to the CNC machinery of our tool design department. That is why the creation of new custom made parts can be realized immediately.
  - ❖ All parts come with a glossy black finish and are bundled and palletized. Pallets are covered with weather resistant shrink wrap.
  - ❖ The number of parts per pallet are for
    - Standard tines: 200 or 250 pieces
    - Big tines: 150 pieces
    - Harrow tines: 500 or 600 pieces
    - Points and clamps: 1,000 to 3,000 pieces
  - ❖ On request we can also prepare pallets with different products.
  - ❖ You are welcome to contact us for any special requirements.
  - ❖ Specifications are subject to change without notice.
  - ❖ All dimensions are in mm. They and the indications of weight are not binding and only for orientation. General tolerances for hot forming parts apply.
  - ❖ The original spare part numbers used in this catalogue are for comparison purposes only.
  - ❖ All pictures, descriptions, diagrams and illustrations only intend to give a general impression of our products. Dimensions shown are for information only and are subject to technical alterations. Other product colors are available at an extra charge.
  - ❖ All tines are available without points as well.
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