

VOLVO CONSTRUCTION EQUIPMENT

VOLVO TOOTH SYSTEM

PARTS REFERENCE GUIDE FOR EXCAVATORS



MORE CARE. BUILT IN.



VOLVO TOOTH SYSTEM – DISCOVER THE DIFFERENCE

The bucket's tooth system is exposed to extreme stresses when it encounters a combination of hard materials, shocks and high breakout forces. In that environment it's impossible to eliminate wear – but it is possible to reduce the effect it has on the tooth system. The great challenge is designing a tooth system that is optimized for the forces and wear to which it is exposed. Such a tooth system gives optimum service life with maintained performance. Volvo has faced that challenge and succeeded. Discover the difference.

Success is built from the ground up

It is important that the tooth system is engineered correctly and that it has the right design to give optimized efficiency and the longest possible wear life.

Volvo tooth system is another result of Volvo's commitment to innovation and development.

The tooth system has undergone extensive field testing in various types of materials and applications to analyze and to ensure its high quality and good characteristics. It has shown several advantages, for example:

- The teeth have a self-sharpening design which gives them long-lasting good penetration capability and high productivity.
- Strategically placed wear material in the tooth design provides maximum wear life.
- The correct fit between the tooth and adapter, as well as large stabilizing surfaces, provides a very strong unit which can withstand high tolerance from forces and stresses.
- High-quality steel alloy increases wear resistance.
- A vertical patented locking device makes mounting and removing fast and easy.

High quality

When choosing steel, there is no compromising. Volvo's teeth have the right balance between hardness and high tension steel, which is the key to quality and long wear life.

The teeth consist of a specifically designed steel alloy, with a hardness of approx. 500 Brinell, dependant on the type and size of the tooth.

From the selection of raw materials for the molten steel to blasting and heat treatment of the finished teeth, continuous checks and measurements are performed to avoid any deviations with regards to steel quality, technical specifications and the fit of the tooth and adapter.

Wide product range

In the Volvo Tooth System range, there are teeth and adapters for all types of applications, from handling easily broken bank materials to breaking out hard and rocky materials, such as shot rock.

The adapters are developed to fit new Volvo buckets, as well as accommodate bucket rebuilds for older machines from Volvo Construction Equipment.

For instructions about welding on different types of adapters on buckets, contact your nearest Volvo Construction Equipment dealer.



Total operating economy is the key

Design and material selection make Volvo tooth system the obvious choice for all applications.

Better penetration capability gives:

- better and faster bucket filling
- less wear of bucket and machine
- lower fuel consumption

Long service life due to:

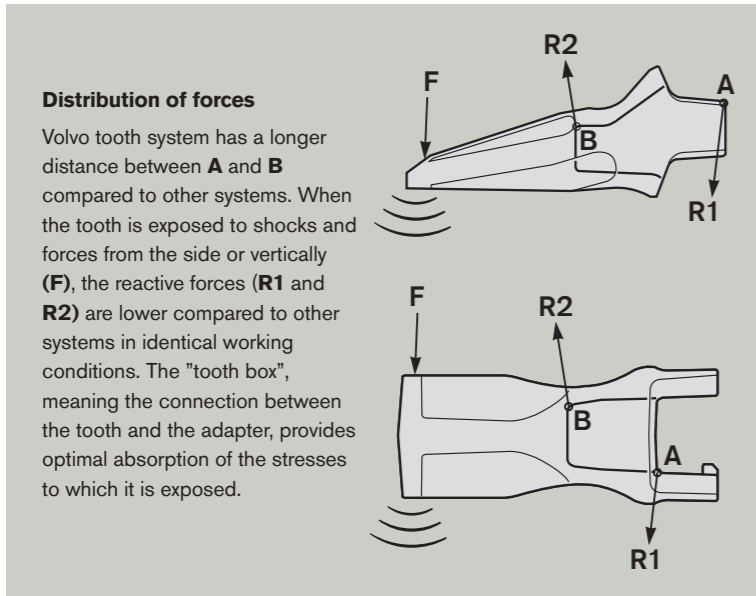
- strategically placed wear material
- High-quality steel alloy
- self-sharpening design
- correct fit between adapter and tooth

Shorter downtime when changing gives:

- lower maintenance costs
- increased productivity



THE POWERFUL TOOTH SYSTEM FROM VOLVO



Better resistance to forces

The edge of the adapters and teeth have an acute angle, less than 90 degrees. This gives better resistance to frontal forces and reduces the risk of the "tooth box" opening.

Patented locking device

The unique positive locking device integrates the locking pin completely in the adapter body. Position and design give complete protection. The locking device consists of two components: one reusable steel pin as well as an elastic and flexible lock retainer. The design of the tooth and adapter gives a smooth transfer of forces, without the locking device having to absorb the stresses, resulting in a locking device with significantly longer service life.

Two parts, one unit

A perfect fit between the tooth and adapter, together with large stabilizing surfaces, provides a very strong unit with minimal internal wear. Stresses are reduced due to minimum movement between the tooth and adapter.

Robust design

Reinforced area that protects the adapter and the tooth's guide lugs from early wear.

Self-sharpening teeth

Due to their profile, the teeth have a small penetration area, which gives reduced penetration force. This provides better bucket fill factor, lower fuel consumption as well as reduced wear on bucket and machine. The self-sharpening design and strategically placed wear material give maximum wear life with maintained performance.

Guide tables Volvo tooth system for excavators

| MACHINE MODEL | VOLVO PART NO | DESCRIPTION | DESIGNATION | TYPE/APPLICATION | WEIGHT KG |
|--|-----------------------------|-----------------------------|--|--|------------------------------------|
| VOLVO | | | | | |
| EC/EW140/C EW145B EC/EW160/C EC/EW180/C | VOE 14522960 | Adapter | EA15BL30 | Bottom leg 1 1/2 (long bottom leg) | 5.9 |
| | VOE 14523551 | Tooth | 15GPE | General Purpose | 3.1 |
| | VOE 14524192 | Tooth | 15AMRE | Abrasive material with extra wear metal | 3.6 |
| | VOE 14530835 | Tooth | 15PPE | Extremely compact material | 2.8 |
| | VOE 14530836 | Tooth | 15TPE | Extremely compact material | 3.7 |
| | VOE 14531280 | Tooth | 15SNE | Levelling, cleaning, grading and backfilling | 3.8 |
| | VOE 11417145 | Locking device, complete*) | 15P | | 0.07 |
| | VOE 11417316 | Retainer | 15/20R | Standard | |
| EC210/C | VOE 11716119 | Retainer | 15/20MR | Heavy duty | |
| | VOE 14522961 | Adapter | EA20BL40 | Bottom leg 1 1/2 (long bottom leg) | 10.4 |
| | VOE 14523655 | Tooth | 20GPE | General Purpose | 4.5 |
| | VOE 14526753 | Tooth | 20AMRE | Abrasive material with extra wear metal | 5.4 |
| | VOE 14531279 | Tooth | 20PPE | Extremely compact material | 4.0 |
| | VOE 14531283 | Tooth | 20TPE | Extremely compact material | 5.4 |
| | VOE 14531281 | Tooth | 20SNE | Levelling, cleaning, grading and backfilling | 5.8 |
| | VOE 11417146 | Locking device, complete*) | 20P | | 0.1 |
| | VOE 11417316 | Retainer | 15/20R | Standard | |
| | VOE 11716119 | Retainer | 15/20MR | Heavy duty | |
| | VOE 14522962 | Adapter | EA30BL40 | Bottom leg 1 1/2 (long bottom leg) | 12.5 |
| | VOE 14523552 | Tooth | 30GPE | General Purpose | 6.7 |
| VOE 14523946 | Tooth | 30AMRE | Abrasive material with extra wear metal | 7.8 | |
| VOE 14526514 | Tooth | 30PPE | Extremely compact material | 5.6 | |
| VOE 14530837 | Tooth | 30TPE | Extremely compact material | 6.9 | |
| VOE 14530841 | Tooth | 30SNE | Levelling, cleaning, grading and backfilling | 8.4 | |
| VOE 11417147 | Locking device, complete*) | 30P | | 0.15 | |
| VOE 11417317 | Retainer | 30/40R | Standard | | |
| VOE 11716120 | Retainer | 30/40MR | Heavy duty | | |
| VOE 15002778 | Locking device, complete**) | 30PHS | Hot slag | 0.2 | |
| VOE 15002854 | Retainer***) | 30/40MRS | Hot slag | 0.03 | |
| EC240/C | VOE 14522962 | Adapter | EA30BL40 | Bottom leg 1 1/2 (long bottom leg) | 12.5 |
| | VOE 14523552 | Tooth | 30GPE | General Purpose | 6.7 |
| | VOE 14523946 | Tooth | 30AMRE | Abrasive material with extra wear metal | 7.8 |
| | VOE 14526514 | Tooth | 30PPE | Extremely compact material | 5.6 |
| | VOE 14530837 | Tooth | 30TPE | Extremely compact material | 6.9 |
| | VOE 14530841 | Tooth | 30SNE | Levelling, cleaning, grading and backfilling | 8.4 |
| | VOE 11417147 | Locking device, complete*) | 30P | | 0.15 |
| | VOE 11417317 | Retainer | 30/40R | Standard | |
| | VOE 11716120 | Retainer | 30/40MR | Heavy duty | |
| | VOE 15002778 | Locking device, complete**) | 30PHS | Hot slag | 0.2 |
| | VOE 15002854 | Retainer***) | 30/40MRS | Hot slag | 0.03 |
| | EC290/C | VOE 14522963 | Adapter | EA40BL50 | Bottom leg 1 1/2 (long bottom leg) |
| VOE 14523553 | | Tooth | 40GPE | General Purpose | 9.4 |
| VOE 14526754 | | Tooth | 40AMRE | Abrasive material with extra wear metal | 11.5 |
| VOE 14526515 | | Tooth | 40PPE | Extremely compact material | 8.1 |
| VOE 14530838 | | Tooth | 40TPE | Extremely compact material | 10.6 |
| VOE 14530842 | | Tooth | 40SNE | Levelling, cleaning, grading and backfilling | 12.9 |
| VOE 14524860 | | Locking device, complete*) | 40P | | 0.2 |
| VOE 11417317 | | Retainer | 30/40R | Standard | |
| VOE 11716120 | | Retainer | 30/40MR | Heavy duty | |
| VOE 15002890 | | Locking device, complete**) | 40PHS | Hot slag | 0.3 |
| VOE 15002854 | | Retainer***) | 30/40MRS | Hot slag | 0.03 |
| EC330/B EC360/B | | VOE 14524709 | Adapter | EA55BL50 | Bottom leg 1 1/2 (long bottom leg) |
| | VOE 14524191 | Tooth | 55GPE | General Purpose | 13.0 |
| | VOE 14523656 | Tooth | 55AMRE | Abrasive material with extra wear metal | 15.9 |
| | VOE 14526516 | Tooth | 55PPE | Extremely compact material | 11.7 |
| | VOE 14530839 | Tooth | 55TPE | Extremely compact material | 14.7 |
| | VOE 14530843 | Tooth | 55SNE | Levelling, cleaning, grading and backfilling | 17.8 |
| | VOE 11417148 | Locking device, complete*) | 55P | | 0.3 |
| | VOE 11417318 | Retainer | 55/65R | Standard | |
| EC460/B | VOE 11716121 | Retainer | 55/65MR | Heavy duty | |
| | VOE 15002928 | Locking device, complete**) | 55PHS | Hot slag | 0.4 |
| | VOE 15002939 | Retainer***) | 55/65MRS | Hot slag | 0.05 |
| | VOE 14524709 | Adapter | EA55BL50 | Bottom leg 1 1/2 (long bottom leg) | 23.6 |
| | VOE 14524191 | Tooth | 55GPE | General Purpose | 13.0 |
| | VOE 14523656 | Tooth | 55AMRE | Abrasive material with extra wear metal | 15.9 |
| | VOE 14526516 | Tooth | 55PPE | Extremely compact material | 11.7 |
| | VOE 14530839 | Tooth | 55TPE | Extremely compact material | 14.7 |
| | VOE 14530843 | Tooth | 55SNE | Levelling, cleaning, grading and backfilling | 17.8 |
| | VOE 11417148 | Locking device, complete*) | 55P | | 0.3 |
| | VOE 11417318 | Retainer | 55/65R | Standard | |
| | VOE 11716121 | Retainer | 55/65MR | Heavy duty | |
| VOE 15002928 | Locking device, complete**) | 55PHS | Hot slag | 0.4 | |
| VOE 15002939 | Retainer***) | 55/65MRS | Hot slag | 0.05 | |
| VOE 14526776 | Adapter | EA65BL50 | Bottom leg 1 1/2 (long bottom leg) | 31.6 | |
| VOE 14522964 | Adapter | EA65BL60 | Bottom leg 1 1/2 (long bottom leg) | 34.6 | |
| VOE 14526510 | Tooth | 65GPE | General Purpose | 16.0 | |

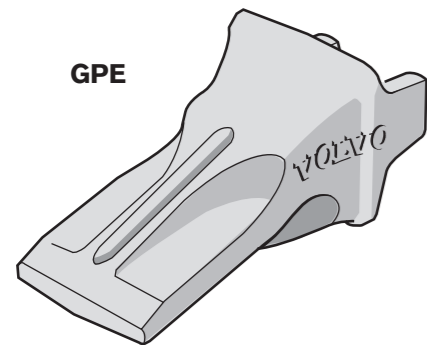
*) Locking device complete consists of pin and standard retainer **) Locking device complete consists of pin, hot slag retainer and two springs



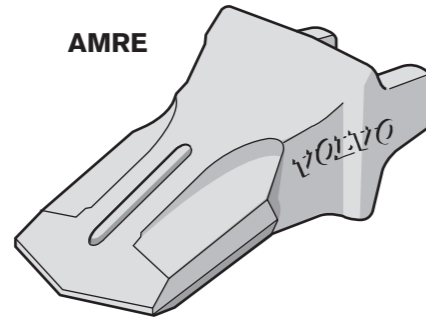
| MACHINE MODEL | VOLVO PART NO | DESCRIPTION | DESIGNATION | TYPE/APPLICATION | WEIGHT KG |
|----------------|---------------|-----------------------------|-------------|--|------------------------------------|
| VOLVO | | | | | |
| EC460/B | VOE 14522959 | Tooth | 65AMRE | Abrasive material with extra wear metal | 21.1 |
| | VOE 14526517 | Tooth | 65PPE | Extremely compact material | 15.7 |
| | VOE 14530840 | Tooth | 65TPE | Extremely compact material | 20.1 |
| | VOE 14531282 | Tooth | 65SNE | Levelling, cleaning, grading and backfilling | 28.1 |
| | VOE 14524710 | Locking device, complete*) | 65P | | 0.4 |
| | VOE 11417318 | Retainer | 55/65R | Standard | |
| | VOE 11716121 | Retainer | 55/65MR | Heavy duty | |
| | VOE 15002951 | Locking device, complete**) | 65PHS | Hot slag | 0.5 |
| | VOE 15002939 | Retainer***) | 55/65MRS | Hot slag | 0.05 |
| | EC700B | VOE 14526788 | Adapter | EA80BL65 | Bottom leg 1 1/2 (long bottom leg) |
| VOE 14526509 | | Adapter | EA80BL70 | Bottom leg 1 1/2 (long bottom leg) | 40.1 |
| VOE 14526511 | | Tooth | 80GPE | General Purpose | 23.0 |
| VOE 14526512 | | Tooth | 80AMRE | Abrasive material with extra wear metal | 27.5 |
| VOE 14526518 | | Tooth | 80PPE | Extremely compact material | 20.2 |
| VOE 14531655 | | Tooth | 80TPE | Extremely compact material | 25.5 |
| VOE 14524711 | | Locking device, complete*) | 80P | | 0.50 |
| VOE 14526513 | | Retainer | 80/125R | Standard | |
| VOE 15002956 | | Locking device, complete**) | 80PHS | Hot slag | 0.7 |
| VOE 15002958 | | Retainer***) | 80MRS | Hot slag | 0.09 |

Note: Volvo Tooth System will also fit older machines from Volvo Construction Equipment.

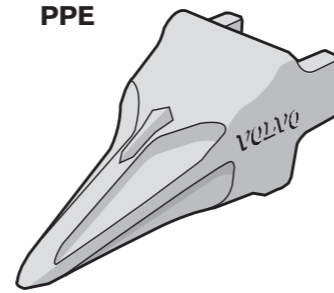
**) Retainer complete consists of hot slag retainer and two springs



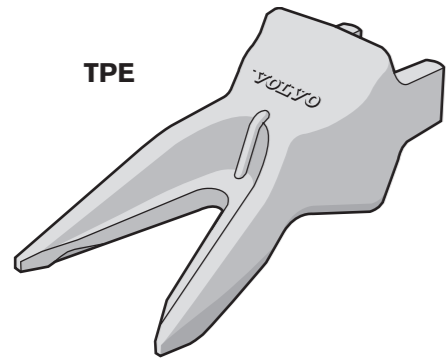
GPE
General purpose tooth with good penetration and long service life. Self-sharpening.



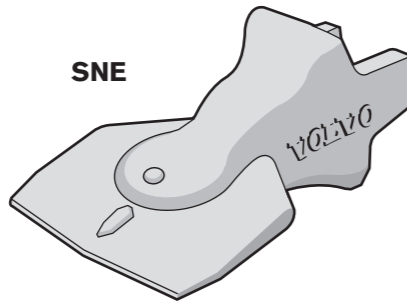
AMRE
Tooth with extra wear metal and longer service life intended for rock and abrasive material. Self-sharpening.



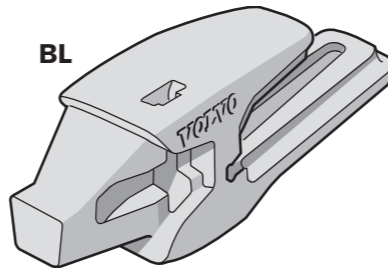
PPE
Pick point tooth for work in extremely compact material. Maximum penetration capability in hard clay, frozen ground etc. Can be used in combination with TPE.



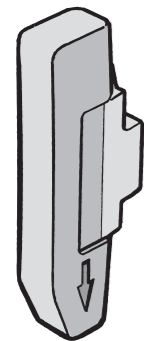
TPE
Twin pick point tooth for work in extremely compact material. Maximum penetration capability in hard clay, frozen ground etc. Can be used in combination with PPE.



SNE
Spade nose tooth for levelling, cleaning, grading and backfilling.

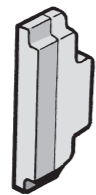


BL
1 1/2 bottom leg adapter (long bottom leg), for welding to both sides of the cutting edge.



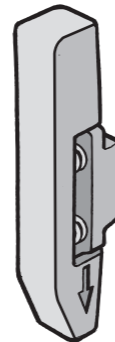
Locking device

Locking device for tooth and adapter consists of a lock retainer and a reusable steel pin. When it's time to change adapter, it's also suitable to change the complete locking device.



MR

Heavy duty retainer in steel/polyurethane for work in very wet fine-grained clay and coal handling.

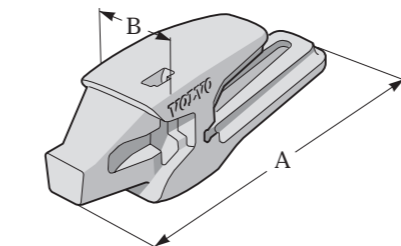
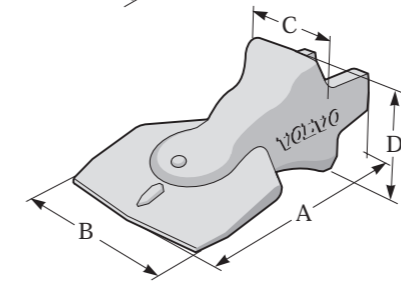
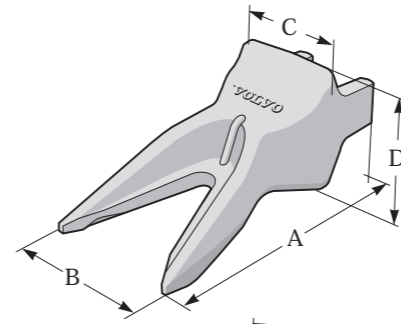
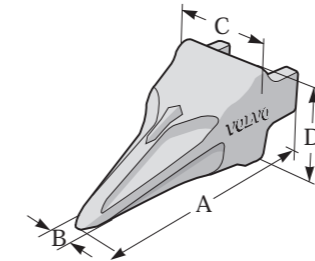
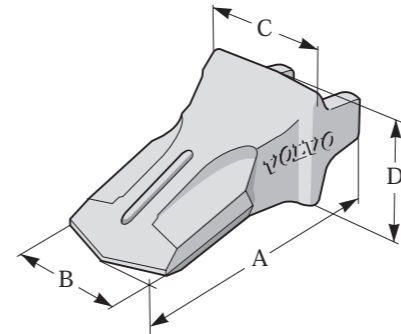
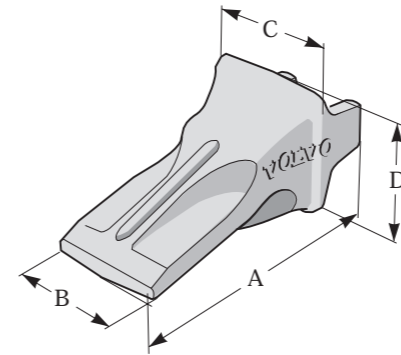
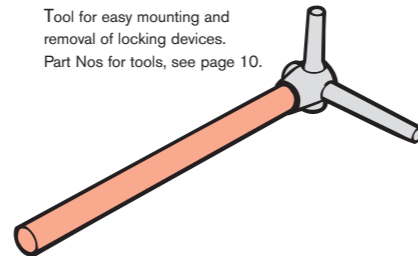


Locking device, hot slag

Steel locking for hot slag applications. Consists of a reusable steel pin, a steel retainer and two springs.

Tools

Tool for easy mounting and removal of locking devices. Part Nos for tools, see page 10.



Dimensions and weights

GPE TEETH

| DESIGNATION | VOLVO PART NO | A MM | B MM | C MM | D MM | WEIGHT KG |
|-------------|---------------|------|------|------|------|-----------|
| 15GPE | VOE 14523551 | 226 | 79 | 95 | 90 | 3.1 |
| 20GPE | VOE 14523655 | 256 | 90 | 109 | 99 | 4.5 |
| 30GPE | VOE 14523552 | 279 | 105 | 122 | 115 | 6.7 |
| 40GPE | VOE 14523553 | 316 | 123 | 136 | 128 | 9.4 |
| 55GPE | VOE 14524191 | 358 | 132 | 148 | 145 | 13.0 |
| 65GPE | VOE 14526510 | 376 | 138 | 167 | 157 | 16.0 |
| 80GPE | VOE 14526511 | 422 | 161 | 193 | 177 | 23.0 |

AMRE TEETH

| DESIGNATION | VOLVO PART NO | A MM | B MM | C MM | D MM | WEIGHT KG |
|-------------|---------------|------|------|------|------|-----------|
| 15AMRE | VOE 14524192 | 232 | 86 | 95 | 89 | 3.6 |
| 20AMRE | VOE 14526753 | 257 | 99 | 109 | 100 | 5.4 |
| 30AMRE | VOE 14523946 | 284 | 114 | 122 | 115 | 7.8 |
| 40AMRE | VOE 14526754 | 330 | 133 | 137 | 127 | 11.5 |
| 55AMRE | VOE 14523656 | 362 | 139 | 155 | 145 | 15.9 |
| 65AMRE | VOE 14522959 | 403 | 155 | 168 | 157 | 21.1 |
| 80AMRE | VOE 14526512 | 438 | 169 | 191 | 177 | 27.5 |

PPE TEETH

| DESIGNATION | VOLVO PART NO | A MM | B MM | C MM | D MM | WEIGHT KG |
|-------------|---------------|------|------|------|------|-----------|
| 15PPE | VOE 14530835 | 233 | 11 | 95 | 89 | 2.8 |
| 20PPE | VOE 14531279 | 283 | 31 | 111 | 101 | 4.0 |
| 30PPE | VOE 14526514 | 310 | 35 | 122 | 115 | 5.6 |
| 40PPE | VOE 14526515 | 361 | 36 | 136 | 127 | 8.1 |
| 55PPE | VOE 14526516 | 389 | 49 | 156 | 145 | 11.7 |
| 65PPE | VOE 14526517 | 440 | 53 | 168 | 156 | 15.7 |
| 80PPE | VOE 14526518 | 462 | 59 | 191 | 177 | 20.2 |

TPE TEETH

| DESIGNATION | VOLVO PART NO | A MM | B MM | C MM | D MM | WEIGHT KG |
|-------------|---------------|------|------|------|------|-----------|
| 15TPE | VOE 14530836 | 233 | 104 | 95 | 90 | 3.7 |
| 20TPE | VOE 14531283 | 279 | 119 | 109 | 99 | 5.4 |
| 30TPE | VOE 14530837 | 309 | 134 | 124 | 116 | 6.9 |
| 40TPE | VOE 14530838 | 363 | 154 | 137 | 127 | 10.6 |
| 55TPE | VOE 14530839 | 392 | 171 | 157 | 147 | 14.7 |
| 65TPE | VOE 14530840 | 442 | 188 | 168 | 157 | 20.1 |
| 80TPE | VOE 14531655 | 463 | 197 | 190 | 180 | 25.5 |

SNE TEETH

| DESIGNATION | VOLVO PART NO | A MM | B MM | C MM | D MM | WEIGHT KG |
|-------------|---------------|------|------|------|------|-----------|
| 15SNE | VOE 14531280 | 232 | 127 | 94 | 89 | 3.8 |
| 20SNE | VOE 14531281 | 273 | 151 | 111 | 101 | 5.8 |
| 30SNE | VOE 14530841 | 300 | 177 | 122 | 114 | 8.4 |
| 40SNE | VOE 14530842 | 334 | 207 | 137 | 128 | 12.9 |
| 55SNE | VOE 14530843 | 378 | 234 | 155 | 146 | 17.8 |
| 65SNE | VOE 14531282 | 419 | 254 | 168 | 157 | 28.1 |

BL BOTTOM LEG 1 1/2 (LONG BOTTOM LEG) ADAPTERS

| DESIGNATION | VOLVO PART NO | CUTTING EDGE THICKNESS MM | CUTTING EDGE ANGLE ° | A MM | B MM | WEIGHT KG |
|-------------|---------------|---------------------------|----------------------|------|------|-----------|
| EA15BL30 | VOE 14522960 | 30 | 30 | 308 | 92 | 5.9 |
| EA20BL40 | VOE 14522961 | 40 | 30 | 370 | 107 | 10.4 |
| EA30BL40 | VOE 14522962 | 40 | 30 | 393 | 119 | 12.5 |
| EA40BL50 | VOE 14522963 | 50 | 30 | 459 | 140 | 20.1 |
| EA55BL50 | VOE 14524709 | 50 | 30 | 459 | 153 | 23.6 |
| EA65BL50 | VOE 14526776 | 50 | 30 | 532 | 167 | 31.6 |
| EA65BL60 | VOE 14522964 | 60 | 30 | 529 | 167 | 34.6 |
| EA80BL65 | VOE 14526788 | 65 | 30 | 541 | 188 | 40.8 |
| EA80BL70 | VOE 14526509 | 70 | 30 | 541 | 188 | 40.1 |

DESIGNATIONS

Example: tooth for an excavator.

15 GP E

15 = size of tooth.
GP = type of tooth. In this case, General Purpose.
E = excavator.

Example: adapter for an excavator.

EA 20 BL 40

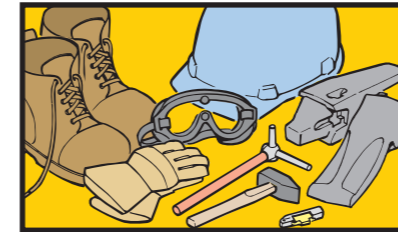
EA = excavator adapter.
20 = size of adapter.
BL = type of adapter. In this case, bottom leg 1 1/2 (long bottom leg).
40 = thickness of bucket cutting edge.

IMPORTANT! If the machine operates in varying conditions, it is important to size the teeth for the heaviest applications. In extremely demanding applications it may be appropriate to select a larger point size than that what is specified. Contact your Volvo dealer for further information.

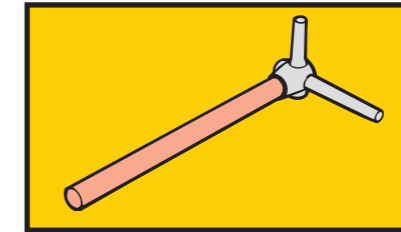


Changing Volvo teeth

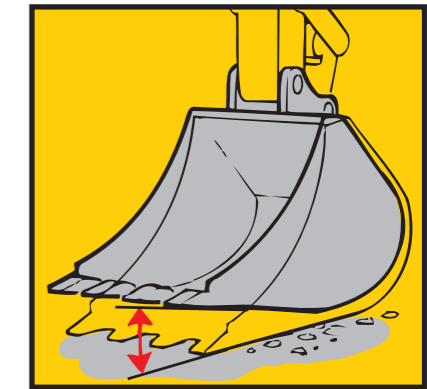
1. Before you start



1 Use a hammer, weight approx. 1 kilo, and protective gear: a hard hat, protective glasses, gloves and work shoes.



2 To make work easier, Volvo has developed a special tool. It consists of a handle and a head. The head consists of two pins, one shorter and one longer, as well as a striking surface for each pin. The tool is available in different sizes, depending on tooth size.

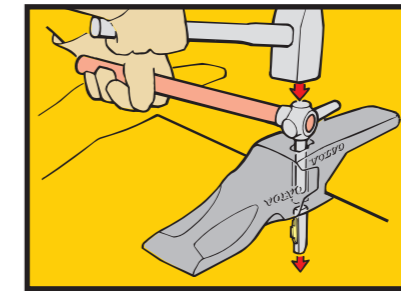


3 To make tooth mounting easier, angle back the bucket a bit so that the adapters face slightly upwards.

2. Dismantling of teeth

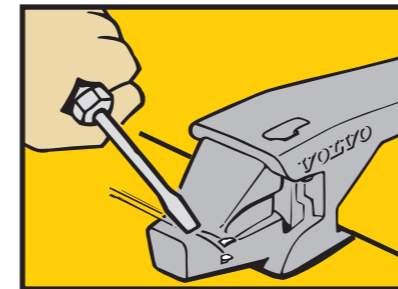


4 Clean the opening for the adapter's lock pin.

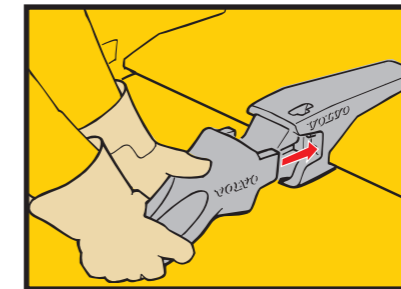


5 Place the tool's longer pin in the opening for the lock pin. Drive out the lock pin using a hammer, so that the lock retainer is removed from its seat. Drive out the lock pin so that it comes out on the underside. Remove the tooth.

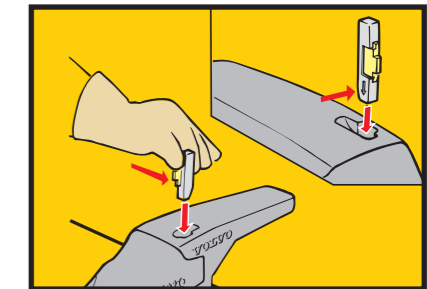
3. Mounting of teeth



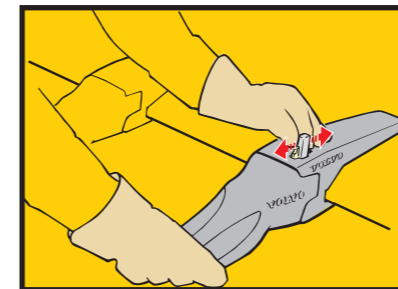
6 Thoroughly clean the adapter's nose and the hole for the lock pin, so that the tooth and lock pin can be fitted in the correct position.



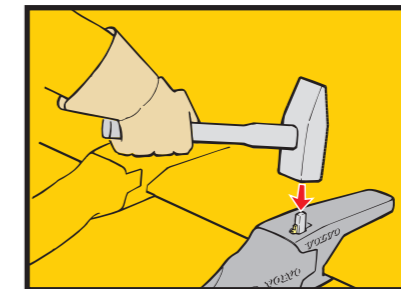
7 Fit the tooth on the adapter's nose, so that the tooth's guide lugs fit in the adapter's slots.



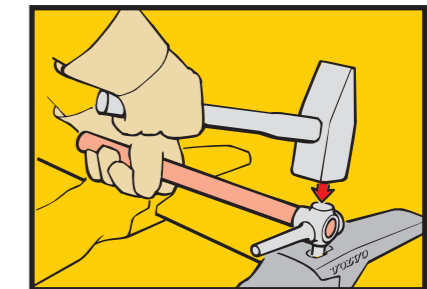
8 Fit the lock pin in the adapter's nose, so that the arrow on the lock pin faces down and the lock retainer faces forward toward the tip of the tooth. Always use a new lock retainer in the correct size.



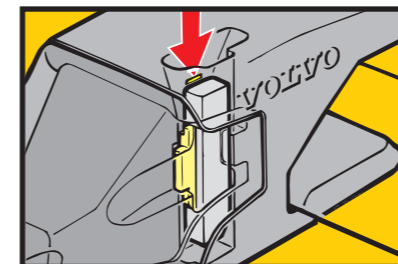
9 Check manually that the lock pin has been mounted correctly.



10 Drive down the lock pin using a hammer so that the lock pin is flush with the top of the adapter body.



11 Drive down the lock pin to the correct position with a hammer and the shorter pin on the tool. Use a correctly sized tool.

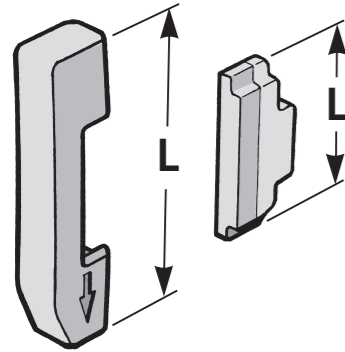


12 The lock pin is mounted correctly when the mark in the hole is visible just above the lock pin.

LOCKING DEVICES

| DESIGNATION | VOLVO PART NO | DESCRIPTION | LENGTH(L) MM | WEIGHT KG |
|-------------|---------------|----------------------------|--------------|-----------|
| 15P | VOE 11417145 | Locking device, complete*) | 67 | 0.07 |
| 15/20R | VOE 11417316 | Retainer, standard | 39 | - |
| 15/20MR | VOE 11716119 | Retainer, heavy duty | 39 | - |
| 20P | VOE 11417146 | Locking device, complete*) | 76 | 0.1 |
| 15/20R | VOE 11417316 | Retainer, standard | 39 | - |
| 15/20MR | VOE 11716119 | Retainer, heavy duty | 39 | - |
| 30P | VOE 11417147 | Locking device, complete*) | 87 | 0.15 |
| 30/40R | VOE 11417317 | Retainer, standard | 51 | - |
| 30/40MR | VOE 11716120 | Retainer, heavy duty | 51 | - |
| 40P | VOE 14524860 | Locking device, complete*) | 97 | 0.2 |
| 30/40R | VOE 11417317 | Retainer, standard | 51 | - |
| 30/40MR | VOE 11716120 | Retainer, heavy duty | 51 | - |
| 55P | VOE 11417148 | Locking device, complete*) | 108 | 0.3 |
| 55/65R | VOE 11417318 | Retainer, standard | 64 | - |
| 55/65MR | VOE 11716121 | Retainer, heavy duty | 64 | - |
| 65P | VOE 14524710 | Locking device, complete*) | 117 | 0.4 |
| 55/65R | VOE 11417318 | Retainer, standard | 64 | - |
| 55/65MR | VOE 11716121 | Retainer, heavy duty | 64 | - |
| 80P | VOE 14524711 | Locking device, complete*) | 130 | 0.5 |
| 80/125R | VOE 14526513 | Retainer, standard | 77 | - |

*) Locking device complete consists of pin and standard retainer.

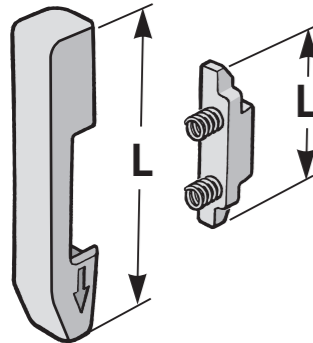


LOCKING DEVICES, HOT SLAG

| DESIGNATION | VOLVO PART NO | DESCRIPTION | LENGTH(L) MM | WEIGHT KG |
|-------------|---------------|---------------------------------|--------------|-----------|
| 30PHS | VOE 15002778 | Locking device, complete*) | 94 | 0.2 |
| 30/40MRS | VOE 15002854 | Retainer, complete, hot slag**) | 50 | 0.03 |
| 40PHS | VOE 15002890 | Locking device, complete*) | 105 | 0.3 |
| 30/40MRS | VOE 15002854 | Retainer, complete, hot slag**) | 50 | 0.03 |
| 55PHS | VOE 15002928 | Locking device, complete*) | 117 | 0.4 |
| 55/65MRS | VOE 15002939 | Retainer, complete, hot slag**) | 62 | 0.05 |
| 65PHS | VOE 15002951 | Locking device, complete*) | 127 | 0.5 |
| 55/65MRS | VOE 15002939 | Retainer, complete, hot slag**) | 62 | 0.05 |
| 80PHS | VOE 15002956 | Locking device, complete*) | 140 | 0.7 |
| 80MRS | VOE 15002958 | Retainer, complete, hot slag**) | 77 | 0.09 |

*) Locking device complete consists of pin, retainer and two springs.

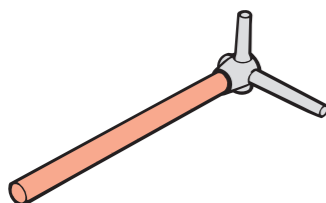
***) Retainer complete consists of retainer and two springs.



TOOLS FOR MOUNTING AND REMOVAL

| DESIGNATION | VOLVO PART NO | DESCRIPTION | WEIGHT KG | FOR TOOTH SIZE |
|-------------|---------------|-------------|-----------|----------------|
| 15/30T | VOE 11417168 | Tool | 1.1 | 15, 20, 30 |
| 40/55T | VOE 11417377 | Tool | 1.2 | 40, 55 |
| 65/80T | VOE 14527253 | Tool | 1.6 | 65, 80 |

Dimensions and weights are approximate.





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