

# TF HD SERIE



Auger - TF HD serie



The TF HD auger is applicable to Skid Loaders and Wheel Loaders with SAE J2513 universal front attachment. It is suitable for those uses in which a high radial load is applied to the gearbox, for example the handling of large logs with the conical screw or horizontal drilling with large diameter drills. The Heavy-Duty support designed and built by QM relieves the gearbox from any load, discharging the forces on the body of the auger. The double pin coupling, designed by QM and covered by a "patent", allows the auger to be used in heavy work in "locked" mode with QM tools such as wood splitter, log chopper etc. The wide range of accessories available make the auger versatile in the most diverse sectors such as construction, green maintenance, agriculture etc.



## STANDARD TECHNICAL FEATURES

- Ultra-compact and wear-resistant body holding all components inside
- Heavy duty support interface between gear box and tools which is resistant to high radial loads
- Front and rear opening to easily reach the internal components for better maintenance
- Front and rear protective casing
- Planetary gear motor for high performances even with low flow rates (just for TL2 HD TL3 HD TL4 HD)
- Hexagonal fitting allowing a quick replacement
- Double-pin hitch including pendulum system and reversible double joint with locking (patented) which allows the use of the auger in horizontal position and with tools such as wood splitter and stump planer
- Shock proof Valve
- Hydraulic pipes L=2000
- Auger support with cradle to keep the equipment stable when moving
- High quality painting for greater resistance to impacts and wear

| AUGER          |       | TF1 HD  | TF2 HD  | TF3 HD  | TF4 HD  |
|----------------|-------|---------|---------|---------|---------|
| Oil flow rate  | l/min | 18 / 50 | 30 / 60 | 50 / 90 | 50 / 90 |
| Max Pressure   | bar   | 210     | 205     | 240     | 240     |
| Max Torque     | Nm    | 1350    | 2600    | 4700    | 6000    |
| Speed          | rpm/l | 2       | 1,1     | 0,8     | 0,7     |
| A              | mm    | 275     | 325     | 375     | 375     |
| B              | mm    | 585     | 715     | 940     | 940     |
| C (Hexagon)    | mm    | 50      | 50      | 50      | 70      |
| Weight         | kg    | 123     | 153     | 243     | 248     |
| Ø Max drilling | mm    | 400     | 600     | 800     | 1000    |
| Price          |       | 2655,00 | 3085,00 | 3800,00 | 4335,00 |



## OPTIONAL

| 1 REVERSING VALVE  | 3 FLOW REDUCERS   |
|--|---|
| Flow reversing valve for operating machines with one-way system 575,00 | Recommended on operating machines where the oil flow rate exceeds that indicated in the technical data sheet (especially with HIGH FLOW) 150,00 |
| <b>2 FACCHIA PIANA QUICK COUPLINGS **</b>                              |   |
| Connection size 3/8" 65,00   |   |
| Connection size 1/2" 85,00   |   |
| Connection size 3/4" 190,00  |   |

\*On demand it is possible to provide pipes of different lengths out of standard ones  
 All data are to be understood WITHOUT MACHINE ATTACHMENTS  
 FOR MACHINES WITH HIGH FLOW PRESSURE REDUCERS ON HYDRAULIC LINES ARE RECOMMENDED

AUGER

PRICE LIST

AUGER

PRICE LIST

# BITS



## STANDARD BITS ET

Suitable for medium mixture soils  
Blades and Lower Bits are interchangeable.

| Standard bits with hexagonal fitting CH50 |             |
|---|-------------|
| ET Ø 100 length 1000 mm                   | 595,00      |
| ET Ø 120 length 1000 mm                   | 615,00      |
| ET Ø 150 length 1000 mm                   | 635,00      |
| ET Ø 200 length 1000 mm                   | 665,00      |
| ET Ø 250 length 1000 mm                   | 695,00      |
| ET Ø 300 length 1000 mm                   | 735,00      |
| ET Ø 350 length 1000 mm                   | 785,00      |
| ET Ø 400 length 1000 mm                   | 815,00      |
| ET Ø 450 length 1000 mm                   | 870,00      |
| ET Ø 500 length 1000 mm                   | 945,00      |
| ET Ø 600 length 1000 mm                   | 1085,00     |
| <b>Hexagonal fitting CH70</b>             | <b>+15%</b> |



## MEDIUM BITS ED

Suitable for drilling mid-high consistency soils with the presence of crushed stones  
Blades and Lower Bits are interchangeable.

| Hard Soils bits with hexagonal fitting CH50 |             |
|---|-------------|
| ED Ø 150 length 1000 mm                     | 710,00      |
| ED Ø 200 length 1000 mm                     | 760,00      |
| ED Ø 250 length 1000 mm                     | 800,00      |
| ED Ø 300 length 1000 mm                     | 860,00      |
| ED Ø 350 length 1000 mm                     | 925,00      |
| ED Ø 400 length 1000 mm                     | 1045,00     |
| ED Ø 450 length 1000 mm                     | 1110,00     |
| ED Ø 500 length 1000 mm                     | 1230,00     |
| ED Ø 600 length 1000 mm                     | 1335,00     |
| <b>Hexagonal fitting CH70</b>               | <b>+15%</b> |



# BITS



## ROCK BITS ER

Suitable for drilling rock soils and road surfaces, lower bits and peaks made of wide material all interchangeable

| Rock BITS with hexagonal fitting CH50 |             |
|---------------------------------------|-------------|
| ER Ø 150 length 1000 mm               | 930,00      |
| ER Ø 200 length 1000 mm               | 945,00      |
| ER Ø 250 length 1000 mm               | 1035,00     |
| ER Ø 300 length 1000 mm               | 1115,00     |
| ER Ø 350 length 1000 mm               | 1250,00     |
| ER Ø 400 length 1000 mm               | 1360,00     |
| ER Ø 450 length 1000 mm               | 1410,00     |
| ER Ø 500 length 1000 mm               | 1455,00     |
| ER Ø 600 length 1000 mm               | 2195,00     |
| <b>Hexagonal fitting CH70</b>         | <b>+15%</b> |



## COMPACTING BITS EC

Bits with a special profile which do not remove the soil but compact it at the sides.  
Useful for making holes to plant fence posts.

| Compacting BITS with hexagonal fitting CH50 |             |
|---|-------------|
| EC Ø 50 length 1000 mm                      | 415,00      |
| EC Ø 60 length 1000 mm                      | 430,00      |
| EC Ø 70 length 1000 mm                      | 510,00      |
| EC Ø 80 length 1000 mm                      | 520,00      |
| EC Ø 90 length 1000 mm                      | 530,00      |
| EC Ø 100 length 1000 mm                     | 535,00      |
| EC Ø 110 length 1000 mm                     | 545,00      |
| EC Ø 120 length 1000 mm                     | 555,00      |
| EC Ø 130 length 1000 mm                     | 600,00      |
| EC Ø 140 length 1000 mm                     | 640,00      |
| EC Ø 150 length 1000 mm                     | 675,00      |
| <b>Hexagonal fitting CH70</b>               | <b>+15%</b> |

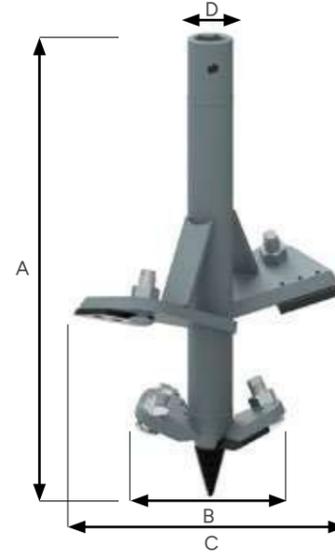


# TOOLS



## STUMP PLANER TC

The stump planer is a useful tool for shredding the stump rooted in the ground. Thanks to the screws mounted on the blade supports, it is possible to adjust the milling depth according to the type of wood. The centering pin in hardened steel is interchangeable. Available with hexagonal fitting CH50mm or CH70mm. This tool employs significant radial forces and loads, therefore, its use is recommended with our TL HD auger capable of supporting such loads thanks to the Heavy Duty support.



| MODEL               |       | TC30            | TC40            | TC50            |
|---------------------|-------|-----------------|-----------------|-----------------|
| Use with auger      | model | TL 1HD - TL 2HD | TL 2HD - TL 3HD | TL 3HD - TL 4HD |
| Excavator           | ton   | 1.8 / 3.0       | 3.0 / 5.0       | 5.0 / 10.0      |
| A                   | mm    | 550             | 650             | 750             |
| B                   | mm    | 280             | 280             | 280             |
| C                   | mm    | /               | 380             | 500             |
| D (Hexagon)         | mm    | 50              | 50 / 70         | 50 / 70         |
| Weight              | kg    | 20              | 25              | 32              |
| Blades              | n°    | 2               | 4               | 4               |
| Min torque required | Nm    | 1300            | 2600            | 4100            |
| Price               |       | 690,00          | 895,00          | 1005,00         |
| CH70                |       | 770,00          | 975,00          | 1085,00         |



N.B. The combination of the tools is referred to equipment made by QM S.r.l.  
For any other combination with equipment other than those produced by QM S.r.l. or not present in this catalogue, please contact us.

# TOOLS



## WOOD SPLITTER SC

The wood splitter allows the breaking of wooden logs by screwing of the conical body. Available in several sizes, it suits operators needs at different levels from DIY to professional. All models are provided of an interchangeable hardened steel pilot bit. This tool employs significant radial forces and loads, therefore, its use is recommended with our TL HD auger capable of supporting such loads thanks to the Heavy Duty support.



| MODEL          |       | SC16            | SC20            | SC25            |
|----------------|-------|-----------------|-----------------|-----------------|
| Use with auger | model | TL 1HD - TL 2HD | TL 2HD - TL 3HD | TL 3HD - TL 4HD |
| A              | mm    | 200             | 200             | 250             |
| B              | mm    | 385             | 425             | 455             |
| C              | mm    | 160             | 200             | 250             |
| D (Hexagon)    | mm    | 50              | 50 / 70         | 50 / 70         |
| Weight         | kg    | 28              | 40              | 67              |
| Price          |       | 700,00          | 910,00          | 1270,00         |
| CH70           |       | 780,00          | 990,00          | 1350,00         |



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# TOOLS



## ROTARY HARROW ER

It is used to refine and work the soil by controlling the weeds. It meets the use in gardens, vegetable gardens, vineyards, orchards, and other crops. This tool employs significant radial forces and loads, therefore, its use is recommended with our TL HD auger capable of supporting such loads thanks to the Heavy Duty support.



| MODEL       |    | ER30   | ER50    |
|-------------|----|--------|---------|
| A           | mm | 115    | 120     |
| B           | mm | 250    | 300     |
| C           | mm | 300    | 500     |
| D (Hexagon) | mm | 50     | 50 / 70 |
| Weight      | kg | 11     | 22      |
| Price       |    | 330,00 | 440,00  |
| CH70        |    | 410,00 | 520,00  |



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# TOOLS



## EXTENTIONS PR

Extension for auger useful to increase the drilling depth.

### MALE - FEMALE HEXAGON CONNECTION

|                        |        |
|------------------------|--------|
| PR 50 - CH50 L=500 mm  | 405,00 |
| PR 50 - CH50 L=1000 mm | 425,00 |
| PR 70 - CH70 L=500 mm  | 485,00 |
| PR 70 - CH70 L=1000 mm | 515,00 |



## CONCRETE MIXER BT

The BT concrete mixer is useful for mixing, transporting, and discharging small and medium quantities of concrete. It connects to the hexagon of the auger and, by rotating, mixes the concrete thanks to the propellers contained in it. This tool must only be mounted on the TL HD auger in "Blocked" mode so that it can work oblique compared to the ground also facilitating the loading of the material to be mixed.



| MODEL                                    |     | BT135   | BT175  | BT235   | BT285   |
|--|-----|---|--------|---------|---------|
| Excavator                                | ton | The associations will be made on the basis of operating machine's characteristics |        |         |         |
| Total capacity                           | lt  | 135   | 175    | 235     | 285     |
| Mixing capacity                          | lt  | 100   | 140    | 190     | 250     |
| A  | mm  | 560   | 630    | 730     | 760     |
| B  | mm  | 640   | 640    | 705     | 810     |
| C  | mm  | 350   | 350    | 390     | 440     |
| D (Hexagon)                              | mm  | 50  | 50     | 50 / 70 | 50 / 70 |
| Weight                                   | kg  | 18  | 32     | 47      | 56      |
| Full load weight @2.4 kg/dm <sup>3</sup> | kg  | 258   | 368    | 503     | 656     |
| Price                                    |     | 715,00  | 765,00 | 835,00  | 920,00  |
| CH70                                     |     | 795,00  | 845,00 | 915,00  | 995,00  |

