



Comprehensive
Product Catalogue

2024

wooke
ROCK DRILLING TOOLS
五环欧科



Comprehensive Product Catalogue

2024

Catalogue

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Company introduction



Wooke Rock Drilling Tools Co., Ltd was founded in 1995 relying on the construction of the Three Gorges Project

After nearly thirty years of intensive cultivation and exploration, it has gradually developed and grown into a first-class High-air-pressure DTH rock drilling tool enterprise in China. It is a "National High-tech enterprise", a "National specialized and new small giant enterprise", and an executive member of the "China Rock-Drill Steel and Tools Association". It has nearly 100 invention and utility model patents and many original technologies. It has an annual production capacity of 50,000 sets of DTH hammers and 200,000 drill bits.

Product application areas



Products are widely used in:

- Rock blasting,
- Mining,
- Exploration,
- Geotechnical engineering,
- Water well drilling
- Geothermal and other industries

Product manufacturing factory



- Owns more than 400 sets of digital equipment
- Realize intelligent production and management
- Key equipment reaches the world' s advanced level

Product inspection and testing



- Spare parts inspection

Features of the Medium & High air pressure DTH hammer



TND® Series
(XF90)

Innovative of the third generation

- ① Fast speed and low energy consumption.
- ② Equipped with: latch type or snap ring drill bit.
- ③ Life span 8000-12000 meters.



Wooke Series 6
High-frequency
(WOOKIE)

Innovative of the third generation

(PATENTED)

- ① The speed is increased by 15% ~30% year-on-year, better for medium-soft rock.
- ② Light weight, energy and fuel saving.
- ③ Life span 5000-35000 meters.



TND® Series
without foot valve
(TND®-N)

Innovative of the second generation

- ① Compared with the structure with valve type, the speed is increased by 15%.
- ② Eliminate tail pipe failure
- ③ Fuel saving



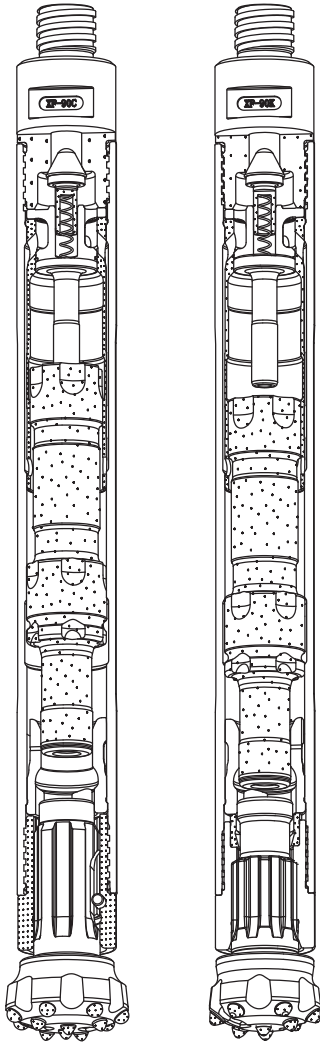
TND® Series
withfoot valve
(TND®)

Innovative of the first generation

(With foot valve)

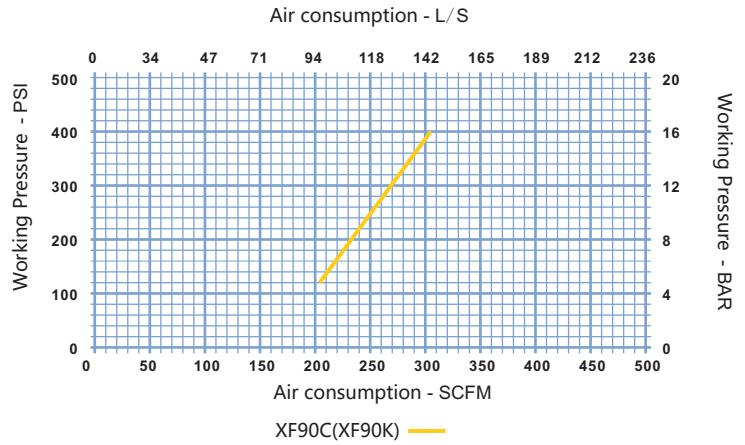
- ① Faster than traditional with foot valve structure.
- ② Fuel saving.

3" Medium air pressure DTH Hammer 5~15 bar(71-215PSI) Working Pressure



TND® Series
XF90C

TND® Series
without footvalve
XF90K



NOTE:

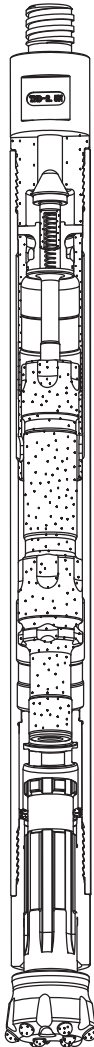
- 1, Air consumption data is for reference only.
- 2, The above figure is based on normal temperature of 20°C and atmospheric pressure of 101.3KPa.
- 3, As altitude increases, air consumption increases accordingly.

EXPLANATION :

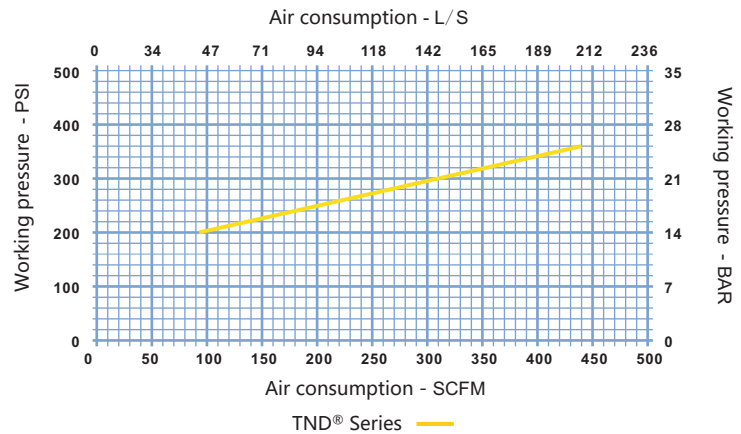
- 1, The connection thread of XF90 Driver sub: Rectangular single head.
- 2, Pin type and snap ring type drill bits are interchangeable by changing the Driver sub.

| Model | Shank | Foot valve | Outside Dia. of Hammer (mm) | Hammer length without bit (mm) | Bit dia. (mm) | | Weight (kg) |
|-------|------------------|------------|-----------------------------|--------------------------------|---------------|------|-------------|
| | | | | | Max. | Min. | |
| XF90C | CIR90(Pin type) | NO | 80 | 725 | 90 | 110 | 19 |
| XF90K | XF90K(Snap ring) | | | | | | |

2.5" High air pressure DTH Hammer 10~20 bar(145-285PSI) working pressure



TND® Series
 TND-N



NOTE:

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- 3, As altitude increases, air consumption increases accordingly.

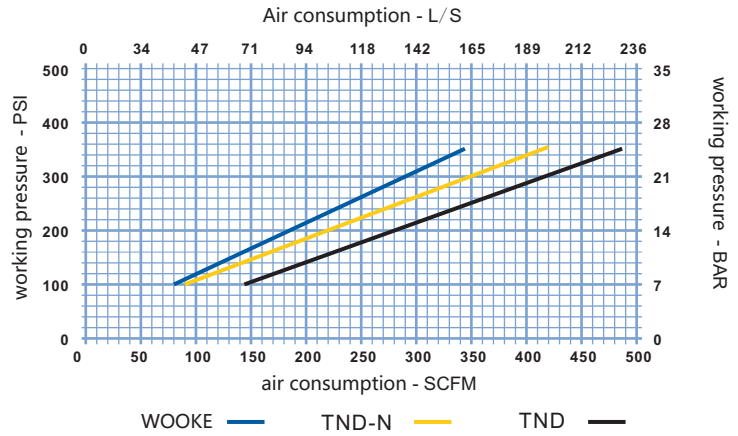
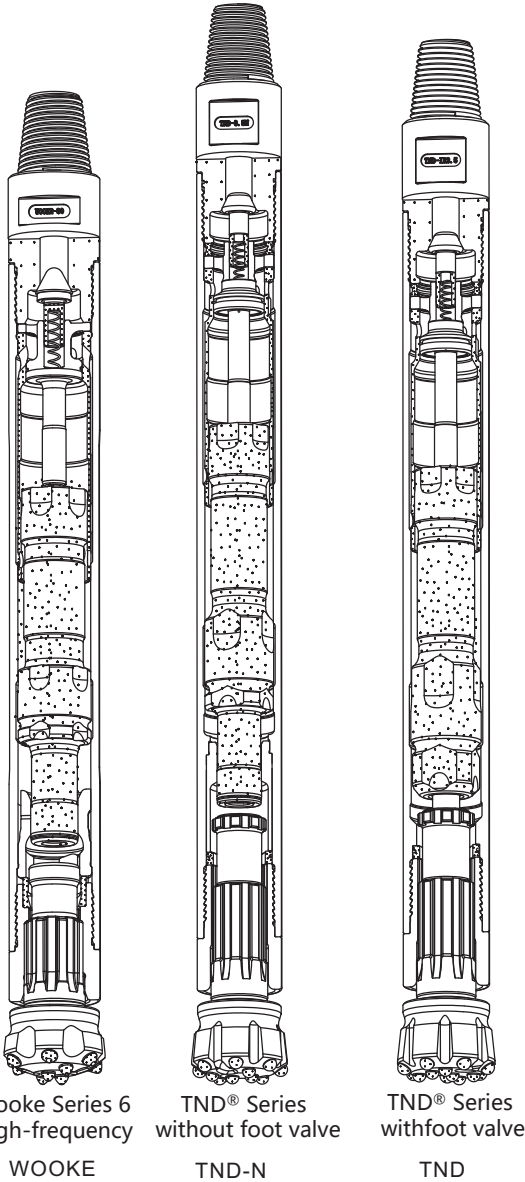
EXPLANATION:

- 1, The connection thread of driver sub is classified into three-heads (standard), two-heads/single-heads (customized).
- 2, The three-head connecting thread is suitable for drilling homogeneous rocks and can be easily disassembled and disassembled manually or mechanically.
- 3, The two-head connecting thread is suitable for drilling cracks, holes and complex rocks that are easy to get stuck. It has better self-locking properties than the three-head thread. It is tighter to disassemble and assemble, and can be disassembled manually or mechanically.
- 4, The single-head connecting thread is suitable for deep hole foundations, water wells and other complex rock formations. It has good self-locking properties and is not easy to fall off and can be disassembled manually or mechanically.

| Model | Shank | Foot valve | Outside diameter (mm) | Hammer length without bit (mm) | Bit dia. (mm) | | Weight (kg) |
|----------|--------|------------|-----------------------|--------------------------------|---------------|------|-------------|
| | | | | | Min. | Max. | |
| TND-2.5N | CWG76N | NO | 70 | 806 | 78 | 80 | 17.5 |

3" High air pressure DTH Hammer

10~20 bar(145-285PSI) working pressure



NOTE:

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- 2, The above figure is based on normal temperature of 20°C and atmospheric pressure of 101.3KPa.
- 3, As altitude increases, air consumption increases accordingly.

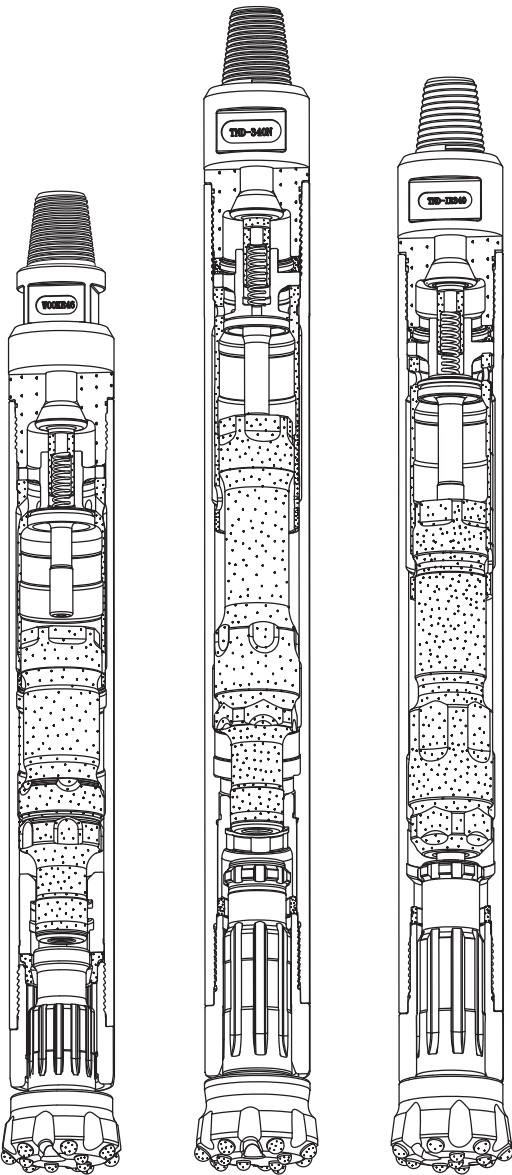
EXPLANATION:

- 1, The connection thread of driver sub is classified into three-heads (standard), two-heads/single-heads (customized).
- 2, The three-head connecting thread is suitable for drilling homogeneous rocks and can be easily disassembled and disassembled manually or mechanically.
- 3, The two-head connecting thread is suitable for drilling cracks, holes and complex rocks that are easy to get stuck. It has better self-locking properties than the three-head thread. It is tighter to disassemble and assemble, and can be disassembled manually or mechanically.
- 4, The single-head connecting thread is suitable for deep hole foundations, water wells and other complex rock formations. It has good self-locking properties and is not easy to fall off and can be disassembled manually or mechanically.

| Model | Shank | Foot valve | Outside Diameter (mm) | Hammer length without bit (mm) | Bit diameter (mm) | | Weight (kg) |
|-----------|---------|------------|-----------------------|--------------------------------|-------------------|------|-------------|
| | | | | | Min. | Max. | |
| WOOKE30 | WOOKE30 | No | 80 | 725 | 90 | 105 | 19 |
| TND-3.5N | DHD3.5N | | | 862 | | | 24.5 |
| TND-IR3.5 | DHD3.5 | Yes | 80 | 807 | 90 | 105 | 22.5 |

4" High air pressure DTH Hammer

10~25 bar(145-362PSI) working pressure



Wooke Series 6
High-frequency

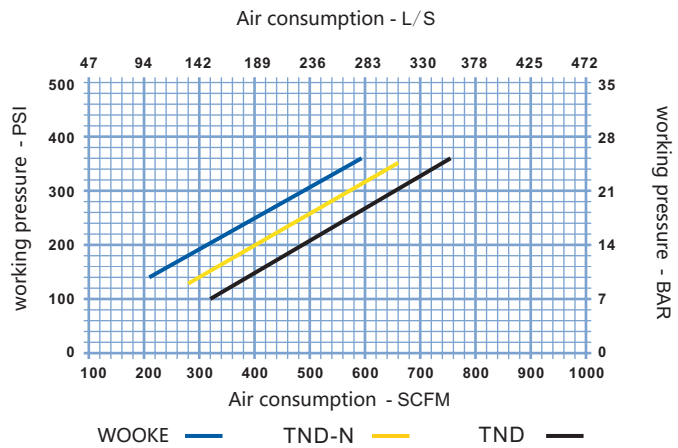
WOOKE

TND® Series
without foot valve

TND-N

TND® Series
with foot valve

TND



NOTE:

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- 2, The above figure is based on normal temperature of 20°C and atmospheric pressure of 101.3KPa.
- 3, As altitude increases, air consumption increases accordingly.

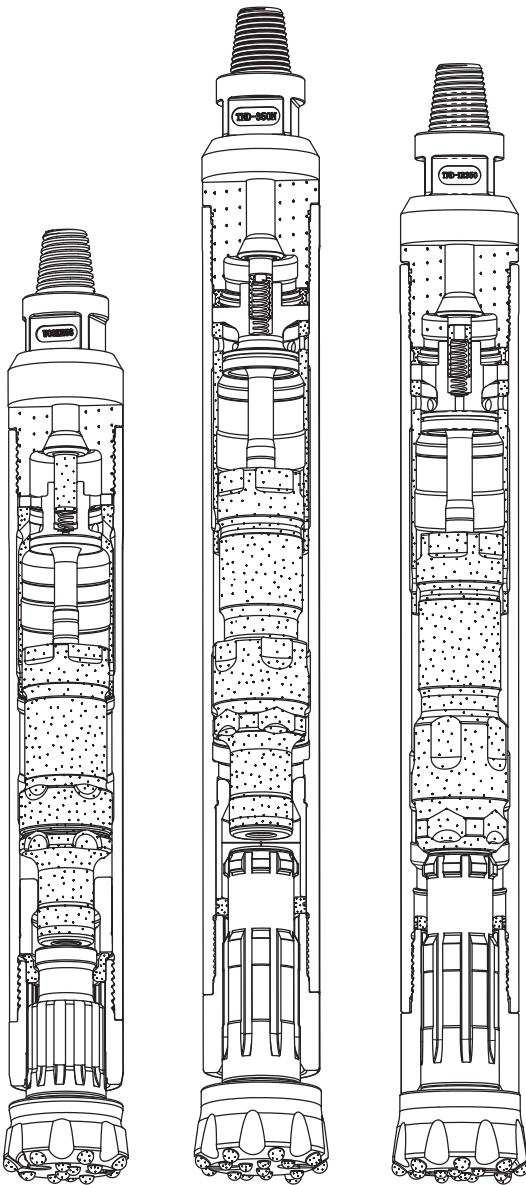
EXPLANATION:

- 1, The connection thread of driver sub is classified into three-heads (standard), two-heads/single-heads (customized).
- 2, The three-head connecting thread is suitable for drilling homogeneous rocks and can be easily disassembled and assembled manually or mechanically.
- 3, The two-head connecting thread is suitable for drilling cracks, holes and complex rocks that are easy to get stuck. It has better self-locking properties than the three-head thread. It is tighter to disassemble and assemble, and can be disassembled manually or mechanically.
- 4, The single-head connecting thread is suitable for deep hole foundations, water wells and other complex rock formations. It has good self-locking properties and is not easy to fall off and can be disassembled manually or mechanically.

| Model | Shank | Foot valve | Outside Diameter (mm) | Hammer length without bit (mm) | Bit Diameter (mm) | | Weight (kg) | Piston Weight (kg) |
|-----------|--------------------|------------|-----------------------|--------------------------------|-------------------|------|-------------|--------------------|
| | | | | | Min. | Max. | | |
| WOOKE46 | Standard: 8splines | NO | 101 | 789 | 110 | 130 | 31.1 | — |
| WOOKE46Q | Option: 12splines | | | | | | | Light |
| TND-340N | DHD340 | NO | 99 | 936 | 110 | 130 | 40.5 | — |
| TND-TD40N | TD40N | | | | | | | — |
| TND-M40 | Mission40 | | | | | | | — |
| TND-IR340 | DHD340A | YES | 99 | 881 | 110 | 130 | 38 | — |
| TND-TD40 | TD40 | | | | | | | — |
| TND-QL40 | QL40 | | | | | | | 952 |

4.5"-5" High air pressure DTH Hammer

10~30 bar(145-428PSI) working pressure



Wooke Series 6
High-frequency

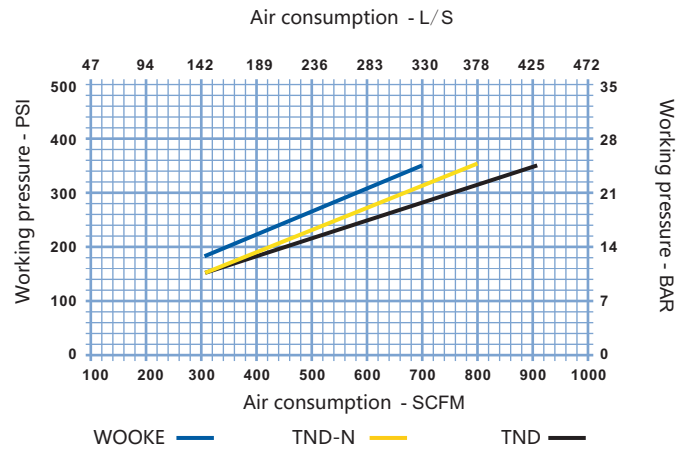
WOOKE

TND® Series
without foot valve

TND-N

TND® Series
with foot valve

TND



NOTE:

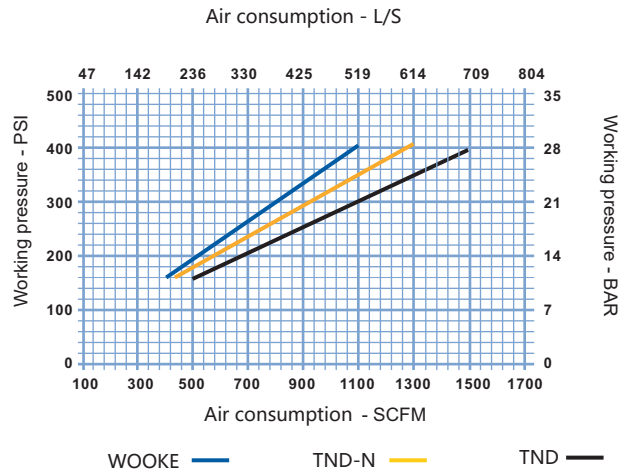
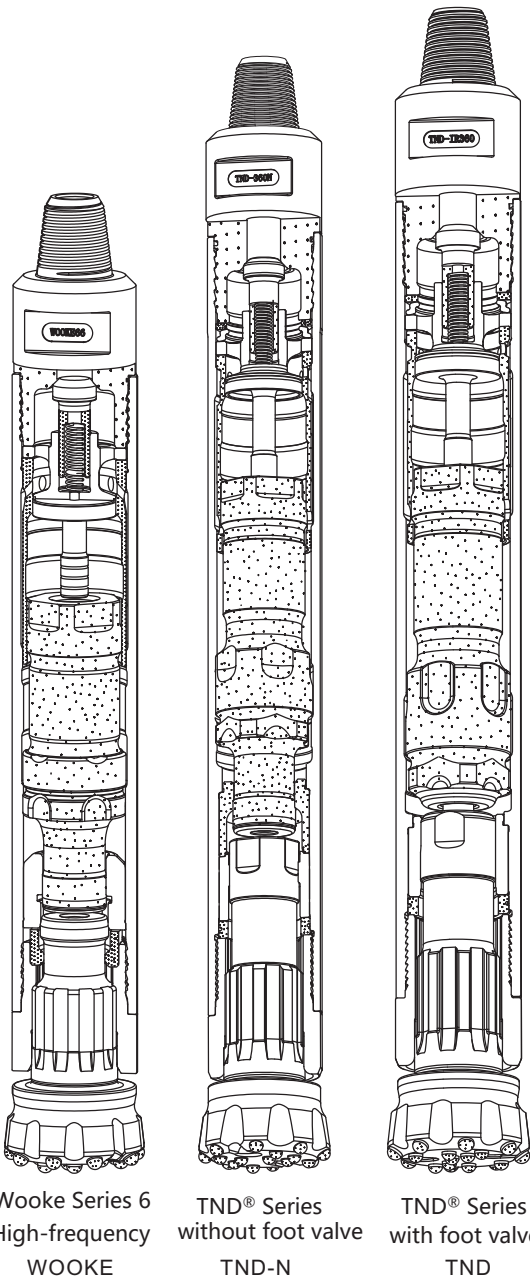
- 1, Air consumption data is for reference only.
- 2, The above figure is based on normal temperature of 20°C and atmospheric pressure of 101.3KPa.
- 3, As altitude increases, air consumption increases accordingly.

EXPLANATION:

- 1, The connection thread of driver sub is classified into three-heads (standard), two-heads/ single-heads (customized).
- 2, The three-head connecting thread is suitable for drilling homogeneous rocks and can be easily disassembled and disassembled manually or mechanically.
- 3, The two-head connecting thread is suitable for drilling cracks, holes and complex rocks that are easy to get stuck. It has better self-locking properties than the three-head thread. It is tighter to disassemble and assemble, and can be disassembled manually or mechanically.
- 4, The single-head connecting thread is suitable for deep hole foundations, water wells and other complex rock formations. It has good self-locking properties and is not easy to fall off and can be disassembled manually or mechanically.

| Model | Shank | Foot valve | Outside Diameter (mm) | Hammer length without bit (mm) | Bit Diameter (mm) | | Weight (kg) | Piston Weight (kg) |
|-----------|--------------------|------------|-----------------------|--------------------------------|-------------------|------|-------------|--------------------|
| | | | | | Min. | Max. | | |
| WOOKE4.5 | WOOKE56 | NO | 116 | 874 | 127 | 152 | 50 | — |
| WOOKE56 | Standard: 8splines | | 127 | 877.7 | 138 | 152 | 56 | — |
| WOOKE56Q | Option: 12splines | | | | | | | Light |
| TND-350N | DHD350 | NO | 127 | 1082 | 138 | 152 | 74 | — |
| TND-QL50N | QL50N | | | 1062 | | | 73 | |
| TND-M50 | Mission50 | | | 1080 | | | 74 | |
| TND-IR350 | DHD350 | YES | 127 | 1029 | 138 | 152 | 74 | — |
| TND-SD5 | SD5 | | | 1009 | | | — | |
| TND-QL50 | QL50 | | | — | | | | |

6"-High air pressure DTH hammer 10~35 bar(145-507PSI) Working Pressure



NOTE:

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- 3, As altitude increases, air consumption increases accordingly.

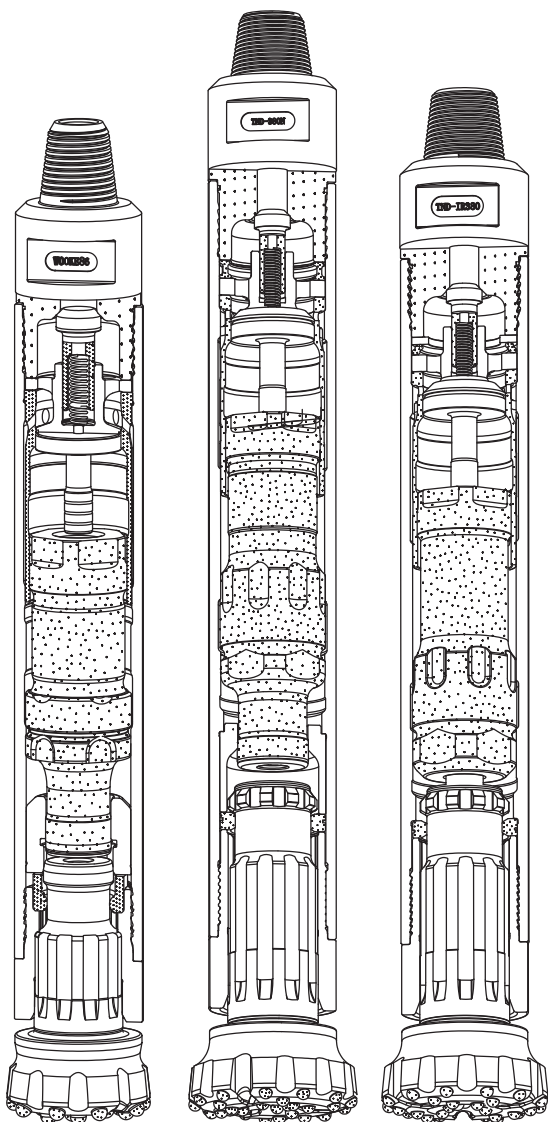
EXPLANATION:

- 1, The connection thread of driver sub is classified into three-heads (standard), two-heads/ single-heads (customized).
- 2, The three-head connecting thread is suitable for drilling homogeneous rocks and can be easily disassembled and disassembled manually or mechanically.
- 3, The two-head connecting thread is suitable for drilling cracks, holes and complex rocks that are easy to get stuck. It has better self-locking properties than the three-head thread. It is tighter to disassemble and assemble, and can be disassembled manually or mechanically.
- 4, The single-head connecting thread is suitable for deep hole foundations, water wells and other complex rock formations. It has good self-locking properties and is not easy to fall off and can be disassembled manually or mechanically.

| Model | Shank | Foot valve | Outside Diameter (mm) | Hammer length without bit (mm) | Bit Diameter (mm) | | Weight (kg) |
|-----------|-----------|------------|-----------------------|--------------------------------|-------------------|------|-------------|
| | | | | | Min. | Max. | |
| WOOKE66 | WOOKE66 | NO | 148 | 945.5 | 159 | 178 | 79 |
| TND-360N | DHD360N | NO | 144 | 1335 | 152 | 254 | 106 |
| TND-QL60N | QL60N | | | 1131 | | | 108 |
| TND-M60 | Mission60 | | | 1108 | | | 105 |
| TND-IR360 | DHD360 | YES | 144 | 1335 | 152 | 254 | 112 |
| TND-SD6 | SD6 | | | 1150 | | | 113 |
| TND-QL60 | QL60 | | | 1080 | | | 110 |

7" - 8" High air pressure DTH Hammer

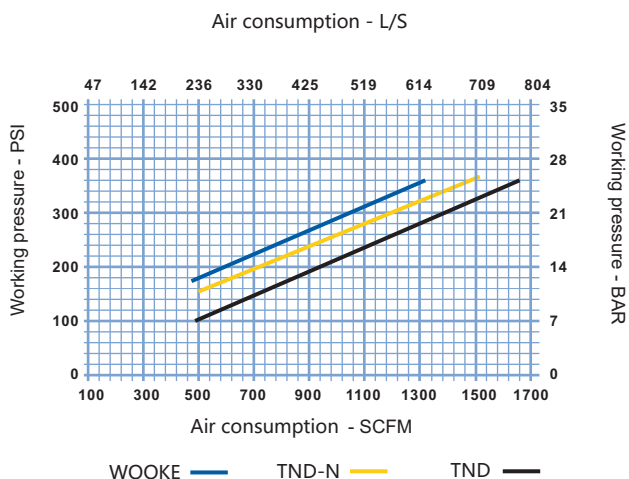
10~35 bar(145-507PSI) working pressure



Wooke Series 6
High-frequency
WOOKE

TND® Series
without foot valve
TND-N

TND® Series
with foot valve
TND



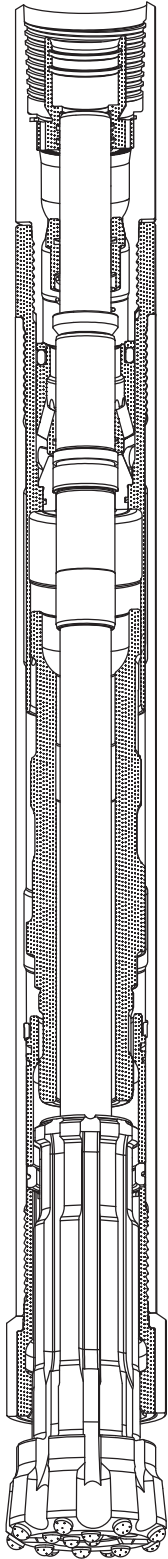
NOTE:

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- 2, The above figure is based on normal temperature of 20°C and atmospheric pressure of 101.3KPa.
- 3, As altitude increases, air consumption increases accordingly.

EXPLANATION:

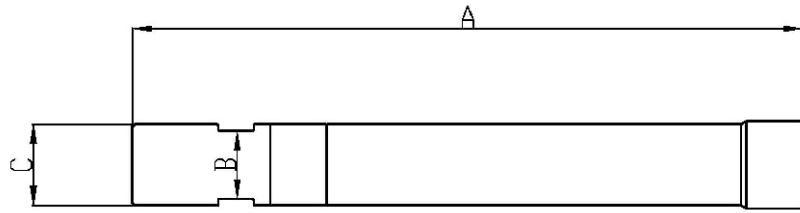
- 1, The connection thread of driver sub is classified into three-heads (standard), two-heads/ single-heads (customized).
- 2, The three-head connecting thread is suitable for drilling homogeneous rocks and can be easily disassembled and disassembled manually or mechanically.
- 3, The two-head connecting thread is suitable for drilling cracks, holes and complex rocks that are easy to get stuck. It has better self-locking properties than the three-head thread. It is tighter to disassemble and assemble, and can be disassembled manually or mechanically.
- 4, The single-head connecting thread is suitable for deep hole foundations, water wells and other complex rock formations. It has good self-locking properties and is not easy to fall off and can be disassembled manually or mechanically.

| Model | Shank | Foot valve | Outside Diameter (mm) | Hammer length without bit (mm) | Bit Diameter (mm) | | Weight (kg) |
|-----------|-----------|------------|-----------------------|--------------------------------|-------------------|-----------|-------------|
| | | | | | Min. | Max. | |
| WOOKE76 | WOOKE76 | NO | 175 | 1109 | 191 | 228 | 170 |
| WOOKE86 | WOOKE86 | | 184 | 1132 | 203 | 254 | 170 |
| TND-380N | DHD380N | NO | 182 | 1318 | 194 | 254 (305) | 195 |
| TND-QL80N | QL80N | | | 1300 | | | 193.5 |
| TND-M80 | Mission80 | | | 1298 | | | 193 |
| TND-IR380 | DHD380 | YES | 182 | 1228 | 194 | 254 (305) | 180 |
| TND-SD8 | SD8 | | | 1199 | | | 182 |
| TND-QL80 | QL80 | | | 1211 | | | 182 |



3"-5 1/2" High air pressure DTH Hammer

10~35 bar(145-500PSI) working pressure

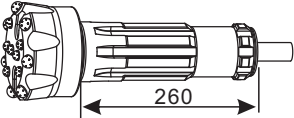
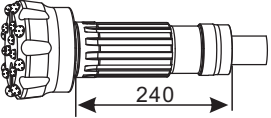
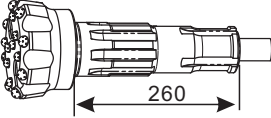
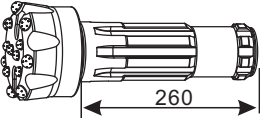
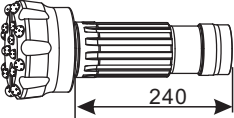
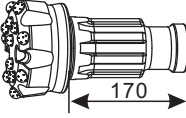
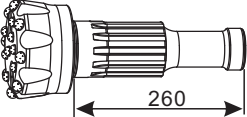
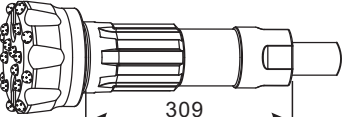
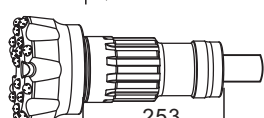
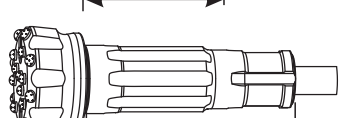
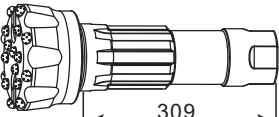
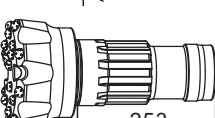
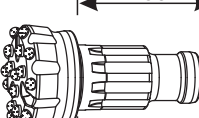
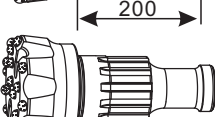
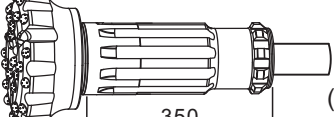
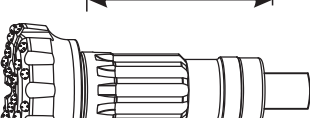
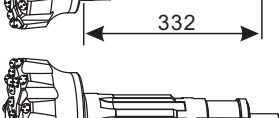
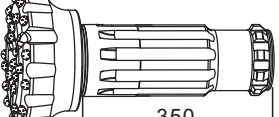
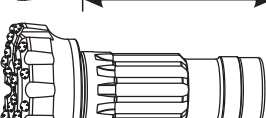
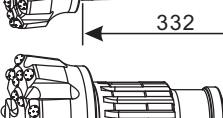
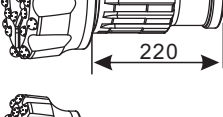
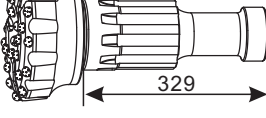


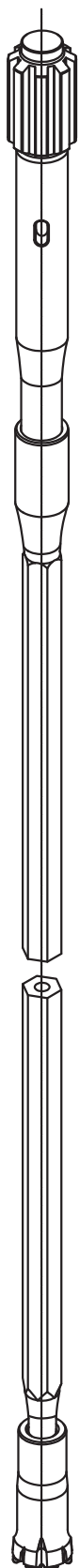
(mm)

| Size | Model | Top Sub | | Dimension | | | Weight (kg) | Bit | |
|--------|-------|---|--------------------------|-----------|-------|-------|----------------|-------|---------|
| | | Thread | Part No. | A | B | C | | Shank | Dia. |
| 3" | RW531 | 3"Remet | R30 | 1085 | 75.5 | 81 | 29 | RE531 | 86-102 |
| 4" | RW004 | 3.5"Remet 4"Remet 4"Metzke 4.5"Remet | R35 R40 M40 R45 | 1251.8 | 90 | 107 | 52 | RE004 | 114-127 |
| 5" | RW543 | | | 1192 | 98 | 116 | 62 | RE543 | 124-135 |
| | RW53 | | | 1229 | 101.6 | 121 | 67 | DR53 | 127-140 |
| | RW040 | 1254 | 94 | 121 | 80.5 | RE040 | 127-140 | | |
| | RW052 | 1229 | 94 | 120.5 | 72 | RE052 | 127-140 | | |
| | RW545 | 1234 | 102 | 117 | 80.5 | RE545 | 127-140 | | |
| 5 1/2" | RW054 | 4.5"Remet 4.5"Metzke | R45 M45 | 1298 | 100 | 130.2 | 84 | RE054 | 140-146 |
| | PRW54 | | | 1298 | | | 85 | PR54 | |

Bit shanks for DTH Hammer

| | | Hard rock ← Medium Hard rock → Soft rock | | | |
|---|---------------------------------|--|-------------------------------|----------------------------------|----------------------------------|
| <p>Spherical Hard rock</p> <p>Semi-ballistic</p> <p>Ballistic Soft rock</p> | | <p>Flat (A)</p> | <p>Drop-center (B)</p> | <p>Concave (B1)</p> | <p>Convex (C)</p> |
| Size | Diameter | TND Series with foot valve | | TND-N/WOOKE series | |
| 3" | 90 95 100 110 | | | <p>90C(6 splines)</p> <p>130</p> | <p>90K(8 splines)</p> <p>130</p> |
| 2.5" | 80 85 | | | <p>174</p> | <p>2.5N (6 splines)</p> |
| 3.5" | 90 95 100 102 | <p>180</p> | <p>DHD3.5 (8 splines)</p> | <p>180</p> | <p>3.5N (8 splines)</p> |
| | | <p>130</p> | | <p>130</p> | <p>WK30 (6 splines)</p> |
| 4" | 110 115 120 127 130 | <p>209</p> | <p>DHD340 (8 splines)</p> | <p>209</p> | <p>340N (8 splines)</p> |
| | | <p>280</p> | <p>QL40 (10 splines)</p> | <p>143</p> | <p>WK46 (8 splines)</p> |
| | | <p>260</p> | <p>SD4 (8 splines)</p> | <p>228</p> | <p>M40 (12 splines)</p> |
| | | <p>209</p> | <p>TD40 (12splines)</p> | <p>209</p> | <p>TD40N (12 splines)</p> |

| | | | |
|----|--|--|--|
| 5" | 140 146 152 |  DHD350 (8 splines)  QL50 (12 splines)  SD5 (8 splines) |  350N (8 splines)  QL50N (12 splines)  WK4.5 / WK56 (8 splines)  M50 (12 splines) |
| 6" | 155 165 171 178 191 200 203 216 |  DHD360 (8 splines)  QL60 (12 splines)  SD6 (8 splines) |  360N (8 splines)  QL60N (12 splines)  WK66 (10 splines)  M60 (12 splines) |
| 8" | 203 216 230 254 279 305 |  DHD380 (10 splines)  QL80 (16 splines)  SD8 (8 splines) |  380N (10 splines)  QL80N (16 splines)  WK76 (10 splines)  WK86 (16 splines)  M80 (12 splines) |



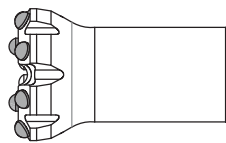
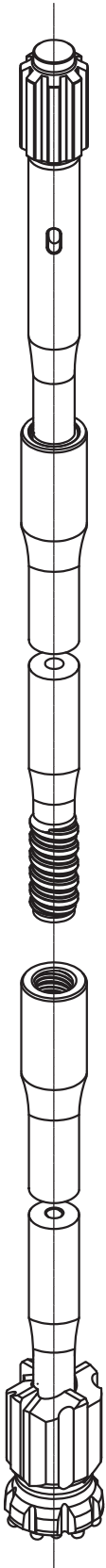
41 ~ 57 Top hammer rock drilling tools

R28、R32 Connection thread

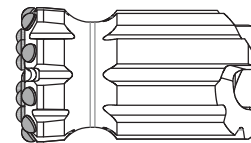
| Diameter mm inch | | Angle | Button | Flushing holes | Medium Hard rock | | | Soft rock | | |
|-----------------------|---------|-------|----------------|-------------------|---------------------|----------------|-------------------|----------------|--------|-------------------|
| | | | | | Angle | Button | Flushing holes | Angle | Button | Flushing holes |
| 41 | 1 5/8 | 30° | 5-φ10 2-φ8 | 1+2 | — | — | — | — | — | — |
| 43 | 1 11/16 | | 5-φ10 2-φ8 | | | | | | | |
| 45 | 1 3/4 | 30° | 5-φ11 2-φ9 | 1+2 | 30° | 6-φ9 3-φ8 | 35° | 6-φ9 2-φ8 | 1+2 | |
| 48 | 1 7/8 | | 5-φ11 2-φ9 | | | 6-φ9 3-φ9 | | 6-φ9 2-φ9 | | |
| 51 | 2 | | 5-φ12 2-φ10 | | | 6-φ10 3-φ9 | | 6-φ9 2-φ10 | | |
| 57 | 2 1/4 | | 5-φ13 2-φ11 | | | 6-φ11 3-φ10 | | 6-φ10 2-φ10 | | |

64~127 Top hammer drilling tools

T38、T45、T51、EL60、GT60、
 ST58、ST68 Connection Thread



Standard

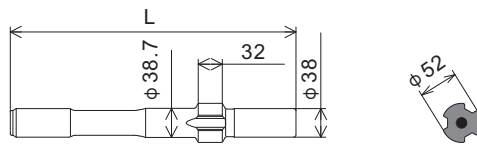
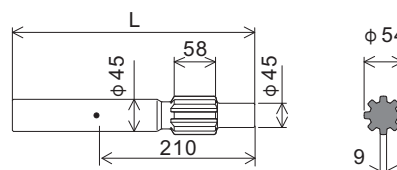
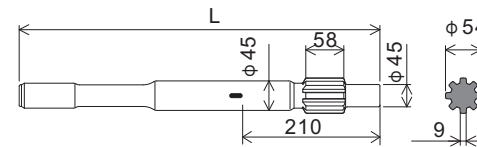
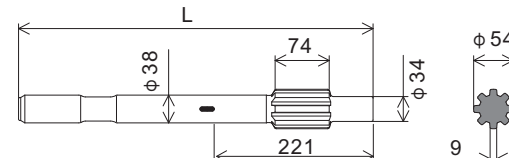
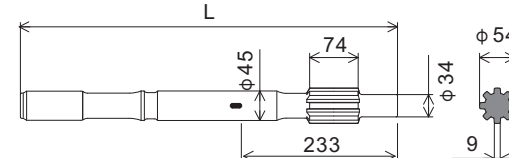


Retrac

| Dia. mm inch | | Hard rock ← Medium Hard rock → Soft rock | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------|--|----------------|----------------|-------|----------------|----------------|-------|------------------------|----------------|----|-------|----------------|----------------|----------------|-----|----|---|----------------|----------------|----------------|-----|----|-------|----------------|----------------|----------------|-----|-----|---|----------------|----------------|----------------|-----|-----|-------|----------------|----------------|----------------|-----|
| | | Angle | Button | Flushing holes | Angle | Button | Flushing holes | Angle | Button | Flushing holes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | 2 1/2 | 35° | 6-φ12 3-φ10 | 1+2 | 35° | 6-φ10 4-φ10 | 3+0 | 40° | 6-φ10 3-φ10 2-φ9 | 1+1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 70 | 2 3/4 | 8-φ11 4-φ11 | 6-φ10 4-φ10 | 6-φ11 5-φ10 | 1+2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 76 | 3 | 8-φ12 4-φ11 | 6-φ11 4-φ11 | 8-φ11 6-φ10 | 2+2 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 89 | 3 1/2 | 8-φ14 6-φ12 | 8-φ12 6-φ12 | 8-φ12 6-φ12 | 2+0 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 102 | 4 | 8-φ14 6-φ12 | 8-φ14 6-φ12 | 8-φ12 7-φ12 | 2+0 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 115 | 4 1/2 | 8-φ14 8-φ12 | 8-φ14 8-φ12 | 8-φ14 8-φ12 | 2+0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Top hammer Shank Adapter & Coupling Sleeve

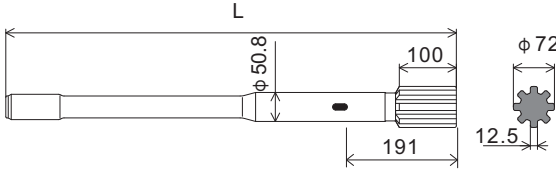
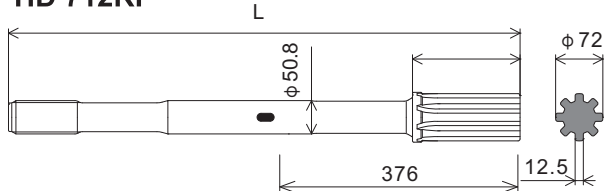
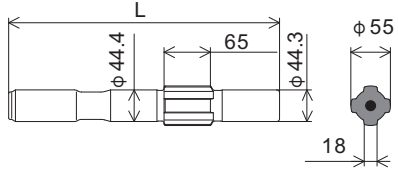
ATLAS COPCO Shank Adapter

| Shank Adapter | Thread | Length (mm) | Flushing holes |
|--|--|--|----------------|
| <p>COP 125, COP 130, COP 131</p>  | <p>R32 R38 T45</p> | <p>380 380 380</p> | Center |
| <p>COP 1032 Female thread</p>  | <p>R28F R32F</p> | <p>340 340</p> | Side |
| <p>COP 1032</p>  | <p>R28 R32 T38</p> | <p>550 550 550</p> | Side |
| <p>COP 1036, COP 1038, COP 1238</p>  | <p>R32 R38 T38 R32 T38 R32 R38 T32</p> | <p>485 485 485 500 500 575 575 575</p> | Side |
| <p>COP 1036, COP 1038, COP 1238</p>  | <p>R32 R38 T38 T45</p> | <p>575 575 575 575</p> | Side |

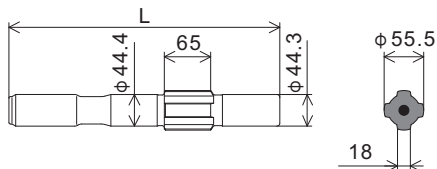
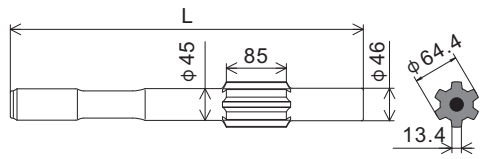
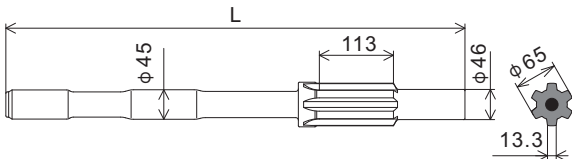
| Shank Adapter | Thread | Length (mm) | Flushing hole |
|--|--|--|---------------|
| <p>COP 1440, COP 1550, COP 1638, COP 1838, COP 2238</p> | R32 R38 T38 R32 R38 T38 | 435 435 435 525 525 525 | Side |
| <p>COP 1840</p> | T45 T51 | 565 565 | Side |
| <p>COP 1840 Extractor, 2150 Extractor, 2550 Extractor</p> | T45 T51 | 770 770 | Side |
| <p>COP 2160 Extractor, COP 2560 Extractor</p> | T45 T51 | 770 770 | Side |

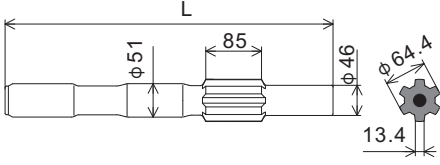
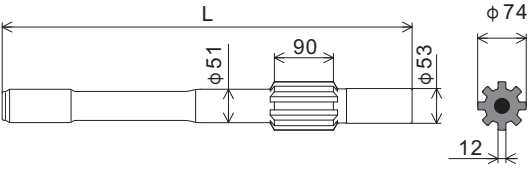
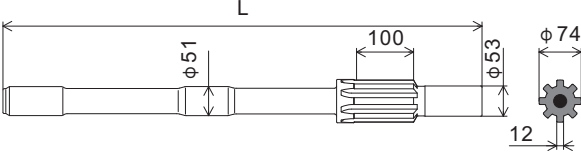
FURUKAWA Shank Adapter

| | | | |
|----------------------|------------|------------|------|
| <p>HD 150</p> | R38 T38 | 520 520 | Side |
| <p>HD 615</p> | T45 T51 | 700 700 | Side |

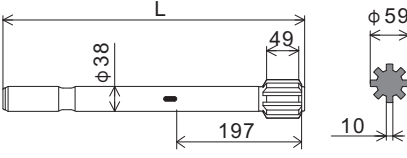
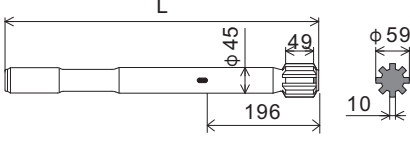
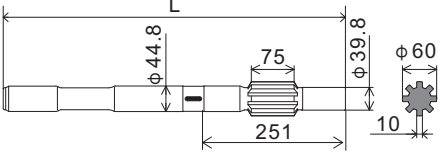
| Shank Adapter | Thread | Length (mm) | Flushing holes |
|---|------------|-------------|----------------|
| HD 712  | T45 | 790 | Side |
| HD 712RP  | T45 T51 | 565 565 | Side |
| M 120 and PD 200  | T38 T38 | 380 446 | Center |

INGERSOLL RAND Shank Adapter

| | | | |
|--|--|--|--------|
| URD 475, URD 550, VL120, EVL 130, VL140, F16  | R32 R38 T38 T45 T38 | 380 380 380 380 446 | Center |
| YH 65, YH 70, YH 80  | T38 T45 T38 T45 | 480 480 500 500 | Center |
| YH 65 RP, YH 70 RP, YH 80 RP  | R32 R38 T38 R32 R38 T38 | 435 435 435 525 525 525 | Center |

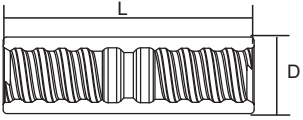
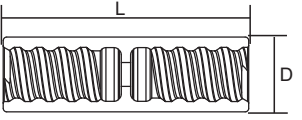
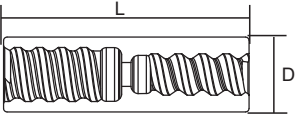
| Shank Adapter | Thread | Length (mm) | Flushing holes |
|--|---------------------------------|---------------------------------|----------------|
| YH 80A  | T45 T51 | 565 565 | Center |
| YH 95, YH 100  | T51 | 625 | Center |
| YH 95 RP, YH 100 RP  | R32 R38 T38 T45 T38 | 380 380 380 380 446 | Center |

SANDVIK / TAMROCK Shank Adapter

| | | | |
|---|---|---|------|
| HL 500-38, HL 510-38, HL 500S-38, HL 510S-38, HL 510B, HL 510LH  | R32 R38 T38 R38 R32 R38 T38 | 460 460 460 500 550 550 550 | Side |
| HL 500-45, HL 510-45  | T38 T45 | 550 550 | Side |
| HL 600-45, HL 600S-45  | T38 T45 R32 T38 T45 | 525 525 600 600 600 600 | Side |

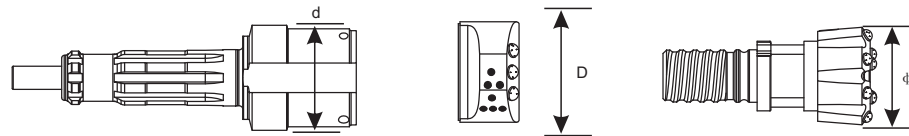
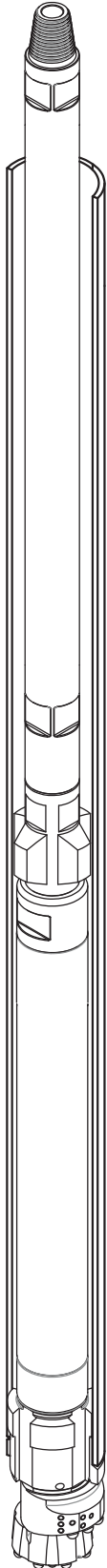
| Shank Adapter | Thread | Length (mm) | Flushing holes |
|---|-------------------|-------------------|----------------|
| <p>HL 650-52, 700-52, PE-52, S-52, 710-52, SPE-52, 800T-52</p> | T38 T45 T51 | 600 600 600 | Side |
| <p>HL 850</p> | T45 | 670 | Center |
| <p>HL 1000-52, 1000 S-52</p> | T45 T51 | 590 590 | Side |
| <p>HL1500-PE</p> | T51 | 760 | Side |

Coupling Sleeve

|  Middle stop | |  Full bridge | |  Cross over coupling | |
|--|------------|--|------------|--|------------|
| Thread | D * L (mm) | Thread | D * L (mm) | Thread | D * L (mm) |
| R38 | 55*170 | R38 | 55*180 | R38 / R32 | 55*180 |
| T38 | 55*191 | T38 | 55*201 | R38 / T38 | 55*195 |
| T45 | 63*210 | T45 | 63*220 | T45 / R38 | 63*220 |
| T51 | 71*225 | T51 | 71*235 | T45 / T38 | 61*230 |
| — | — | — | — | T51 / T45 | 71*228 |

DTH Eccentric Casing Systemes

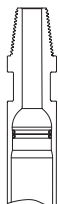
Casing tube 115~273mm



| Dimension | Shank | Casing tube OD x T (mm) | Pilot bit (mm) φ | Max. Hole Dia.(mm) D | Guide device (mm) d |
|------------|------------------|----------------------------|---------------------|----------------------------|------------------------|
| Casing-115 | DHD3.5 | 115x6.35 | 90 | 123 | 100 |
| Casing-146 | DHD340A COP34 | 146x6.6 | 115 | 155 | 126 |
| Casing-168 | DHD350R QL50 | 168x8 | 140 | 188 | 150 |
| Casing-178 | | 178x6.5 | 144 | 192 | 156 |
| Casing-183 | | 183x6.8 | 144 | 197 | 161 |
| Casing-194 | DHD360R QL60 | 194x6.5 | 166 | 211 | 179 |
| Casing-219 | | 219x7 | 190 | 236 | 203 |
| | | 219x12.7 | 180 | 232 | 191 |
| Casing-273 | DHD380 QL80 | 273x6.4 | 240 | 308 | 257 |
| | | 273x11.4 | 230 | 286 | 247 |

DTH Light-weight、 Machining clamp Drill pipe

Diameter: OD=64 ~140mm



| Outer diameter (mm) OD | | Wall thickness (mm) B | | Thread | Valid length(mm) L | Weight (KG) | | Wrench Flat WF |
|---------------------------|--|--------------------------|-----|---|--|----------------------------------|-----------------------------|-------------------|
| 64 | | 5.0 | 6.0 | RD 50-6 | 3000 | 23 | 25.5 | 40 |
| 76 | | 4.0 | 6.0 | 2 ³ / ₈ " REG | 1500 2000 3000 4000 4500 | - 18 25 32 36 | 19 24 34 44 49 | 57x57 65x65 |
| 89 | | 6.5 | | 2 ³ / ₈ " REG | 1000 1500 2000 3000 4000 5000 | 28 34 40 53 66 79 | | 65x65 |
| 76 | | 6.5 | | 2 ³ / ₈ " REG | 3000 4000 4500 5000 | 47 58 64 70 | | No wrench flats |
| 89 | | 6.5 | 7.5 | 2 ³ / ₈ " REG 2 ³ / ₈ " IF | 3000 4000 4500 5000 6000 | 60 73 80 87 100 | 62 75 82 89 107 | No wrench flats |
| 102 | | 8.5 | | 3 ¹ / ₂ " REG 2 ⁷ / ₈ " IF | 3000 4000 4500 5000 6000 | 83 103 113 123 143 | | No wrench flats |
| 114 | | 8.5 | | 3 ¹ / ₂ " REG 3 ¹ / ₂ " IF | 3000 4000 4500 5000 6000 | 99 120 130 140 160 | | No wrench flats |

