



Tophammer Drilling Tools



www.kemaico.com

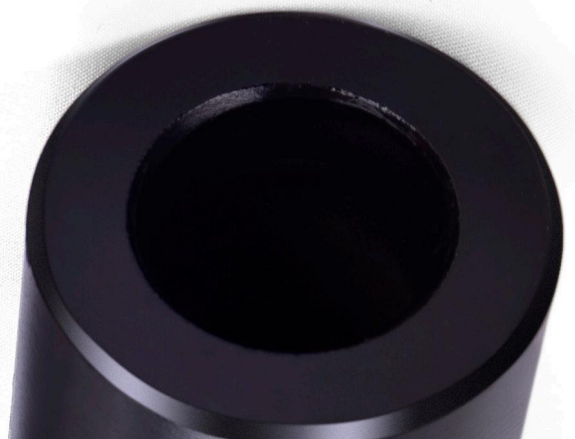
www.maxdrillrocktools.com



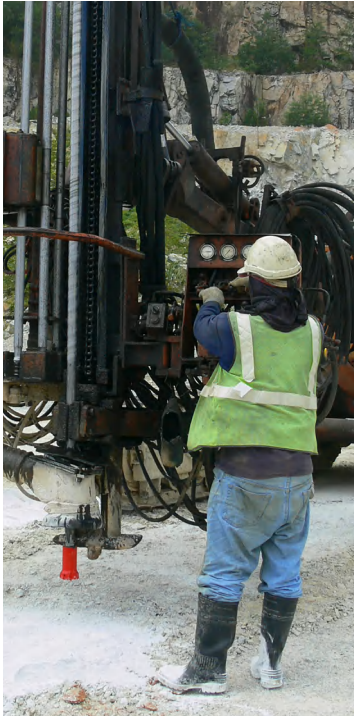
Global drilling industry experts

www.kemaico.com

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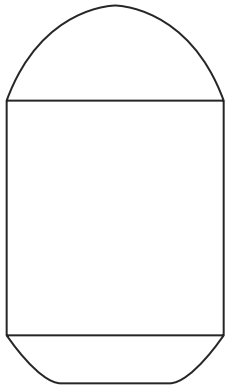
Shank Adaptor

70

Information & classification

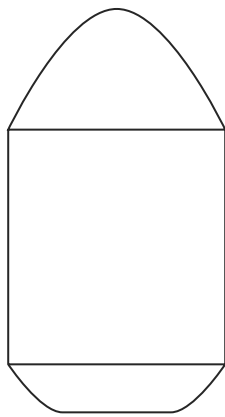
Guides

Carbide profile design



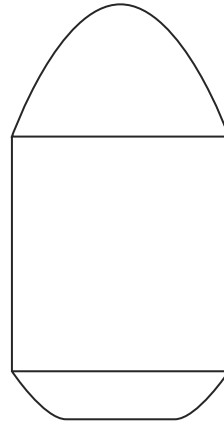
Hemispherical

SEM = Semispherical button
Usually for **very hard rocks**



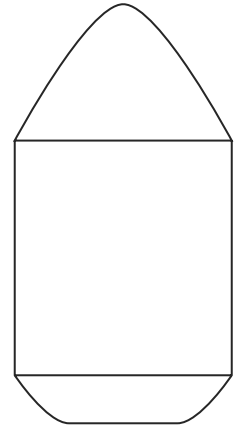
Ballistic

BAL = Ballistic button
Usually for **medium hard rocks**



Parabolic/ Semiballistic

BAL = Parabolic button
Usually for **medium hard rocks**



Conical/Spike

CON = Conical carbide
on request
Usually for **soft rocks**

Guide of product code

Taper bit (i.e. 30322207-04)

| 30 | 32 | 22 | 07 | 04 |
|---|-------------------------|----------------------------------|---------|-----------------------------|
| 30: Button bit 31: Chisel bit 32: Cross bit | Head diameter: 32 mm | 22: Hex. 22 mm 25: Hex. 25 mm | Buttons | Taper degree: 04: 4° 46' |

Thread bit (i.e. 3089T38F14R)

| 30 | 89 | T38 | F | 14 | D | R | K |
|---|-------------------------|----------------|----------|---------|-----------------------|----------------|--|
| 30: Button bit 31: Chisel bit 32: Cross bit | Head diameter: 89 mm | Thread: T38 | Flushing | Buttons | D: Drop center design | R: Retrac body | KP: Pilot bit KR: Reaming bit KD: Dome bit KC: Cut holes/ Dome bit |

Note: Face flushing Face + Side + Flushing Face + Reverse + Flushing

Drifter rod (i.e. 2132T38R3230)

| 21 | 32 | T38 | R32 | 30 |
|--------------------------|------------------------|-------------------|-----------------|----------------------------|
| 20: Round 21: Hexagon | Rod diameter: 32 mm | T38: On shank end | R32: On bit end | Rod length: 30: 3050 mm |

Extension rod (i.e. 2038T3830)

| 20 | 38 | T38 | 30 |
|--------------------------|------------------------|----------------|----------------------------|
| 20: Round 21: Hexagon | Rod diameter: 38 mm | Thread: T38 | Rod length: 30: 3050 mm |

MF rod (i.e. 2038T38MF30)

| 20 | 38 | T38 | MF | 30 |
|--------------------------|------------------------|----------------|--------|----------------------------|
| 20: Round 21: Hexagon | Rod diameter: 38 mm | Thread: T38 | MF rod | Rod length: 30: 3050 mm |

Information & classification

Guides

Guide of product code

Integral drill rod & plug hole drill rod (i.e. 00220434)

| 00 | 22 | 04 | 34 |
|------------------------------------|--|-----------------------|-------------------------|
| 00: IDS 01: Plug hole drill rod | 19: Hex. 19 mm 22: Hex. 22 mm 25: Hex. 25 mm | Length: 04: 400 mm | Head diameter: 34 mm |

Tapered drill steel (i.e. 10220611)

| 10 | 22 | 06 | 04 |
|---------|--|-----------------------|--------------------------|
| 10: TDS | 19: Hex. 19 mm 22: Hex. 22 mm 25: Hex. 25 mm | Length: 06: 600 mm | Taper degree: 11: 11° |

Note: We have two kinds of materials for choosing, Sandbar 20 & Sandbar 64

Auxiliary tools (i.e. 404838TF)

| 40 | 48 | 38T | F |
|--|----------|-----------------------|--------|
| 40: Fishing sleeve 41: Fishing pike | Diameter | Thread: 38T 38R | Female |



Drop center/Standard skirt

Code: D

Perfect in abrasive formations where there is accelerated button wear or in medium to hard rock when ballistic buttons have a tendency to break.



Drop center/Retrac skirt

Code: DR

To be used in medium-hard and fissured rock formations, better hole deviation control.



Flat front/Standard skirt

Code: –

Ideal for medium-hard rock when the rock formation causes heavy gauge wear on the bit. Can also be used in very hard and abrasive rock formations.



Flat front/Retrac skirt

Code: R

To be used in the same applications as flat front/spherical buttons/standard skirt when you have also created a hole.

Small hole
Drilling



| | |
|--------------------------------------|----|
| Stone tools Plug hole rods | 14 |
| H22 (7/8") Integral drill steels | 15 |
| H22 (7/8") Taper tools, 6° taper | 16 |
| H22 (7/8") Taper tools, 7° taper | 18 |
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| H22 (7/8") Taper tools, 12° taper | 22 |





Small hole Drilling

Stone tools
Plug hole rods

Small hole
drilling

Plug hole drill rod



Hex shank 22 * 108 mm (4 1/4")



Hex shank 22 * 82.5 mm (3 1/4")



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|--------|--------------|-----|----------|
| mm | ft | in | mm | in | |
| 230 | - | 9 1/8 | 22 | 7/8 | 01220231 |
| 250 | - | 9 7/8 | 22 | 7/8 | 01220251 |
| 300 | - | 11 7/8 | 22 | 7/8 | 01220301 |
| 350 | 1 | 1 3/4 | 22 | 7/8 | 01220351 |
| 400 | 1 | 3 3/4 | 22 | 7/8 | 01220401 |
| 500 | 1 | 7 3/4 | 22 | 7/8 | 01220501 |

| | | | | | |
|-----|---|--------|----|-----|----------|
| 230 | - | 9 1/8 | 22 | 7/8 | 01220232 |
| 250 | - | 9 7/8 | 22 | 7/8 | 01220252 |
| 300 | - | 11 7/8 | 22 | 7/8 | 01220302 |
| 350 | 1 | 1 3/4 | 22 | 7/8 | 01220352 |
| 400 | 1 | 3 3/4 | 22 | 7/8 | 01220402 |
| 500 | 1 | 7 3/4 | 22 | 7/8 | 01220502 |

H22 (7/8") Integral drill steels

Integral drill steels



H22 * 108 mm (4 1/4")



| Series | Dimensions L | | | Dimensions D | | Part no. |
|--------|--------------|----|----|--------------|---------|----------|
| | mm | ft | in | mm | in | |
| 11 | 800 | 2 | 7 | 34 | 1 11/32 | 00220834 |
| | 1600 | 5 | 3 | 33 | 1 19/64 | 00221633 |
| | 2400 | 7 | 10 | 32 | 1 1/4 | 00222432 |
| | 3200 | 10 | 6 | 31 | 1 7/32 | 00223231 |
| | 4000 | 13 | 1 | 30 | 1 3/16 | 00224030 |
| | 4800 | 5 | - | 29 | 1 9/64 | 00224829 |
| 12 | 800 | 2 | 7 | 40 | 1 37/64 | 00220840 |
| | 1600 | 5 | 3 | 39 | 1 17/32 | 00221639 |
| | 2400 | 7 | 10 | 38 | 1 1/2 | 00222438 |
| | 3200 | 10 | 6 | 37 | 1 29/64 | 00223237 |
| | 4000 | 13 | 1 | 36 | 1 27/64 | 00224036 |
| | 4800 | 5 | - | 35 | 1 3/8 | 00224835 |
| 13 | 400 | 1 | 4 | 34 | 1 11/32 | 00220434 |
| | 800 | 2 | 7 | 33 | 1 19/64 | 00220833 |
| | 1200 | 3 | 11 | 32 | 1 1/4 | 00221232 |
| | 1600 | 5 | 3 | 31 | 1 7/32 | 00221631 |
| | 2000 | 6 | 7 | 30 | 1 3/16 | 00222030 |
| 16 | 600 | 2 | - | 35 | 1 3/8 | 00220635 |
| | 1200 | 3 | 11 | 34 | 1 11/32 | 00221234 |
| | 1800 | 5 | 7 | 33 | 1 5/16 | 00221833 |
| | 2400 | 7 | 10 | 32 | 1 1/4 | 00222432 |
| 17 | 600 | 2 | - | 41 | 1 5/8 | 00220641 |
| | 1200 | 3 | 11 | 40 | 1 37/64 | 00221240 |
| | 1800 | 5 | 7 | 39 | 1 17/32 | 00221839 |
| | 2400 | 7 | 10 | 38 | 1 1/2 | 00222438 |

Small hole
drilling

Small hole Drilling

H22 (7/8")
Taper tools, 6° taper

Small hole
drilling

Button bit

| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--------------|---------|--------------------|---------------|---------------|---------------|-------|-------|-------------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
| H22 | | | | | | | | |
| 32 | 1 1/4 | 2×4 | 1×4 | 2×7 | 5×7 | 40° | - | 30322207-06 |
| 34 | 1 11/32 | 2×4 | 1×4 | 2×7 | 5×7 | 40° | - | 30342207-06 |
| 36 | 1 27/64 | 2×4.5 | 1×4.5 | 2×7 | 5×8 | 40° | - | 30362207-06 |
| 38 | 1 1/2 | 2×5 | 1×4.5 | 2×7 | 5×8 | 40° | - | 30382207-06 |
| 41 | 1 5/8 | 2×5 | 1×5 | 2×7 | 5×9 | 40° | - | 30412207-06 |



H22

| | | | | | | | | |
|----|---------|-------|-------|-----|-----|-----|---|-------------|
| 34 | 1 11/32 | 2×4 | 1×4 | 2×7 | 6×7 | 35° | - | 30342208-06 |
| 36 | 1 27/64 | 2×4.5 | 1×4.5 | 2×7 | 6×7 | 35° | - | 30362208-06 |
| 38 | 1 1/2 | 2×5 | 1×4.5 | 2×7 | 6×8 | 35° | - | 30382208-06 |
| 40 | 1 37/64 | 2×5 | 1×5 | 2×8 | 6×8 | 35° | - | 30402208-06 |



H25

| | | | | | | | | |
|----|---------|-------|-------|-----|-----|-----|---|-------------|
| 36 | 1 27/64 | 2×4.5 | 1×4.5 | 2×7 | 5×8 | 35° | - | 30362507-06 |
| 38 | 1 1/2 | 2×5 | 1×4.5 | 2×8 | 5×8 | 35° | - | 30382507-06 |
| 41 | 1 5/8 | 2×5 | 1×5 | 2×7 | 5×9 | 35° | - | 30412507-06 |
| 43 | 1 11/16 | 2×5 | 1×5 | 2×8 | 5×9 | 35° | - | 30432507-06 |



Chisel bit

H22

| | | | | | | | | |
|----|---------|---|-------|---|---|---|---|-----------|
| 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313022-06 |
| 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313222-06 |
| 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313422-06 |
| 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313622-06 |
| 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313822-06 |
| 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314022-06 |



H25

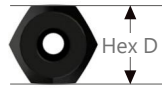
| | | | | | | | | |
|----|---------|---|-------|---|---|---|---|-----------|
| 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313025-06 |
| 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313225-06 |
| 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313425-06 |
| 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313625-06 |
| 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313825-06 |
| 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314025-06 |



H22 (7/8")

Taper tools, 6° taper

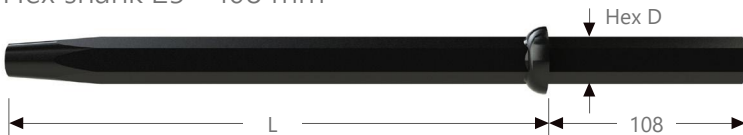
Drill rod



Hex shank 22 * 108 mm



Hex shank 25 * 108 mm



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-----|----------|
| mm | ft | in | mm | in | |
| 600 | 2 | - | 22 | 7/8 | 10220606 |
| 800 | 2 | 7 | 22 | 7/8 | 10220806 |
| 1200 | 3 | 11 | 22 | 7/8 | 10221206 |
| 1600 | 5 | 3 | 22 | 7/8 | 10221606 |
| 2400 | 7 | 10 | 22 | 7/8 | 10222406 |
| 3200 | 10 | 6 | 22 | 7/8 | 10223206 |
| 4000 | 13 | 1 | 22 | 7/8 | 10224006 |

| | | | | | |
|------|----|----|----|---|----------|
| 800 | 2 | 7 | 25 | 1 | 10250806 |
| 1600 | 5 | 3 | 25 | 1 | 10251606 |
| 2400 | 7 | 10 | 25 | 1 | 10252406 |
| 3200 | 10 | 6 | 25 | 1 | 10253206 |
| 4000 | 13 | 1 | 25 | 1 | 10254006 |

Small hole
drilling

Small hole Drilling

H22 (7/8")
Taper tools, 7° taper

Small hole
drilling

Button bit

| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. | | |
|--------------|----|--------------------|---------------|---------------|---------------|-------|-------|----------|---|-------------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | | | |
| H22 | | 32 | 1 1/4 | 2×4 | 1×4 | 2×7 | 5×7 | 40° | - | 30322207-07 |
| | | 34 | 1 11/32 | 2×4 | 1×4 | 2×7 | 5×7 | 40° | - | 30342207-07 |
| | | 36 | 1 13/32 | 2×4.5 | 1×4.5 | 2×7 | 5×8 | 40° | - | 30362207-07 |
| | | 38 | 1 1/2 | 2×5 | 1×4.5 | 2×7 | 5×8 | 40° | - | 30382207-07 |
| | | 41 | 1 5/8 | 2×5 | 1×5 | 2×7 | 5×9 | 40° | - | 30412207-07 |



H22

| | | | | | | | | | | |
|-----|--|----|---------|-------|-------|-----|-----|-----|---|-------------|
| H22 | | 34 | 1 11/32 | 2×4 | 1×4 | 2×7 | 6×7 | 35° | - | 30342208-07 |
| | | 36 | 1 13/32 | 2×4.5 | 1×4.5 | 2×7 | 6×7 | 35° | - | 30362208-07 |
| | | 38 | 1 1/2 | 2×5 | 1×4.5 | 2×7 | 6×8 | 35° | - | 30382208-07 |
| | | 41 | 1 5/8 | 2×5 | 1×5 | 2×8 | 6×8 | 35° | - | 30412208-07 |



H25

| | | | | | | | | | | |
|-----|--|----|---------|-------|-------|-----|-----|-----|---|-------------|
| H25 | | 36 | 1 13/32 | 2×4.5 | 1×4.5 | 2×7 | 5×8 | 35° | - | 30362507-07 |
| | | 38 | 1 1/2 | 2×5 | 1×4.5 | 2×8 | 5×8 | 35° | - | 30382507-07 |
| | | 41 | 1 5/8 | 2×5 | 1×5 | 2×7 | 5×9 | 35° | - | 30412507-07 |
| | | 43 | 1 11/16 | 2×5 | 1×5 | 2×8 | 5×9 | 35° | - | 30432507-07 |



Chisel bit

H22

| | | | | | | | | | | |
|-----|--|----|---------|---|-------|---|---|---|---|-----------|
| H22 | | 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313022-07 |
| | | 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313222-07 |
| | | 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313422-07 |
| | | 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313622-07 |
| | | 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313822-07 |
| | | 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314022-07 |



H25

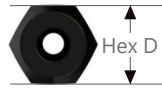
| | | | | | | | | | | |
|-----|--|----|---------|---|-------|---|---|---|---|-----------|
| H25 | | 36 | 1 13/32 | - | 2×5 | - | - | - | - | 313625-07 |
| | | 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313825-07 |
| | | 41 | 1 5/8 | - | 2×5.5 | - | - | - | - | 314125-07 |
| | | 43 | 1 11/16 | - | 2×5.5 | - | - | - | - | 314325-07 |



H22 (7/8")

Taper tools, 7° taper

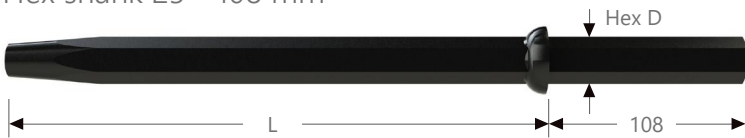
Drill rod



Hex shank 22 * 108 mm



Hex shank 25 * 108 mm



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-----|----------|
| mm | ft | in | mm | in | |
| 600 | 2 | - | 22 | 7/8 | 10220607 |
| 800 | 2 | 7 | 22 | 7/8 | 10220807 |
| 1200 | 3 | 11 | 22 | 7/8 | 10221207 |
| 1600 | 5 | 3 | 22 | 7/8 | 10221607 |
| 2400 | 7 | 10 | 22 | 7/8 | 10222407 |
| 3200 | 10 | 6 | 22 | 7/8 | 10223207 |
| 4000 | 13 | 1 | 22 | 7/8 | 10224007 |

| | | | | | |
|------|----|----|----|---|----------|
| 800 | 2 | 7 | 25 | 1 | 10250807 |
| 1600 | 5 | 3 | 25 | 1 | 10251607 |
| 2400 | 7 | 10 | 25 | 1 | 10252407 |
| 3200 | 10 | 6 | 25 | 1 | 10253207 |
| 4000 | 13 | 1 | 25 | 1 | 10254007 |

Small hole drilling

Small hole Drilling

H22 (7/8")
Taper tools, 11° taper

Small hole
drilling

Button bit

| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--------------|----|--------------------|---------------|---------------|---------------|-------|-------|----------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |

H22



| | | | | | | | | |
|----|---------|-------|-------|-----|-----|-----|---|-------------|
| 34 | 1 11/32 | 1×4.5 | 2×4.5 | 2×7 | 5×7 | 35° | - | 30342207-11 |
| 36 | 1 27/64 | 1×5 | 2×5 | 2×7 | 5×8 | 35° | - | 30362207-11 |
| 38 | 1 1/2 | 1×5.5 | 2×5 | 2×8 | 5×8 | 35° | - | 30382207-11 |
| 41 | 1 5/8 | 1×5.5 | 2×5.5 | 2×7 | 5×9 | 35° | - | 30412207-11 |

H22



| | | | | | | | | |
|----|---------|-------|-------|-----|-----|-----|---|-------------|
| 34 | 1 11/32 | 1×4.5 | 2×4.5 | 2×7 | 6×7 | 35° | - | 30342208-11 |
| 36 | 1 27/64 | 1×5 | 2×5 | 2×7 | 6×7 | 35° | - | 30362208-11 |
| 38 | 1 1/2 | 1×5.5 | 2×5 | 2×7 | 6×8 | 35° | - | 30382208-11 |
| 41 | 1 5/8 | 1×5.5 | 2×5.5 | 2×8 | 6×8 | 35° | - | 30412208-11 |

H25



| | | | | | | | | |
|----|---------|-----|-----|-----|-----|-----|---|-------------|
| 36 | 1 27/64 | 2×4 | 1×4 | 2×7 | 5×8 | 35° | - | 30362507-11 |
| 38 | 1 1/2 | 2×5 | 1×5 | 2×8 | 5×8 | 35° | - | 30382507-11 |
| 41 | 1 5/8 | 2×5 | 1×5 | 2×7 | 5×9 | 35° | - | 30412507-11 |
| 43 | 1 11/16 | 2×5 | 1×5 | 2×8 | 5×9 | 35° | - | 30432507-11 |

Chisel bit

H22



| | | | | | | | | |
|----|---------|---|-------|---|---|---|---|-----------|
| 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313022-11 |
| 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313222-11 |
| 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313422-11 |
| 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313622-11 |
| 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313822-11 |
| 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314022-11 |

H25



| | | | | | | | | |
|----|---------|---|-------|---|---|---|---|-----------|
| 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313025-11 |
| 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313225-11 |
| 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313425-11 |
| 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313625-11 |
| 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313825-11 |
| 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314025-11 |

H22 (7/8")

Taper tools, 11° taper

Drill rod



Hex shank 22 * 108 mm



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-----|----------|
| mm | ft | in | mm | in | |
| 610 | 2 | - | 22 | 7/8 | 10220611 |
| 1220 | 4 | - | 22 | 7/8 | 10221211 |
| 1830 | 6 | - | 22 | 7/8 | 10221811 |
| 2000 | 6 | 7 | 22 | 7/8 | 10222011 |
| 2440 | 8 | - | 22 | 7/8 | 10222411 |
| 3050 | 10 | - | 22 | 7/8 | 10223011 |
| 3200 | 10 | 6 | 22 | 7/8 | 10223211 |
| 3660 | 12 | - | 22 | 7/8 | 10223611 |

Small hole
drilling

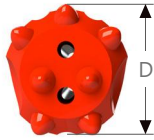
Small hole Drilling

H22 (7/8")
Taper tools, 12° taper

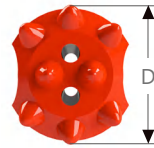
Small hole drilling

Button bit

| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. | | |
|--------------|----|--------------------|---------------|---------------|---------------|-------|-------|----------|---|-------------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | | | |
| H22 | | 32 | 1 1/4 | 2×4 | 1×4 | 2×7 | 5×7 | 40° | - | 30322207-12 |
| | | 33 | 1 5/16 | 2×4 | 1×4 | 2×7 | 5×7 | 40° | - | 30332207-12 |
| | | 35 | 1 3/8 | 2×4 | 1×5 | 2×7 | 5×7 | 40° | - | 30352207-12 |
| | | 36 | 1 13/32 | 2×4.5 | 1×5 | 2×7 | 5×8 | 40° | - | 30362207-12 |
| | | 38 | 1 1/2 | 2×4.5 | 1×5 | 2×8 | 5×8 | 40° | - | 30382207-12 |
| | | 40 | 1 9/16 | 2×5 | 1×5 | 2×8 | 5×8 | 40° | - | 30402207-12 |

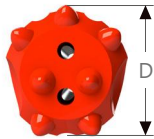


H22



| | | | | | | | | |
|----|---------|-------|-------|-----|-----|----------|---|-------------|
| 32 | 1 1/4 | 2×4.5 | 1×4.5 | 2×7 | 6×7 | 15°, 35° | - | 30322208-12 |
| 34 | 1 11/32 | 2×4.5 | 1×4.5 | 2×7 | 6×7 | 15°, 35° | - | 30342208-12 |
| 38 | 1 1/2 | 2×5 | 1×5 | 2×8 | 6×8 | 15°, 35° | - | 30382208-12 |
| 45 | 1 3/4 | 2×5.5 | 2×4 | 2×8 | 6×9 | 15°, 35° | - | 30452208-12 |

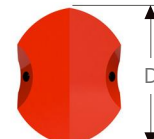
H25



| | | | | | | | | |
|----|---------|-------|-----|-----|-----|-----|---|-------------|
| 36 | 1 13/32 | 2×4.5 | 1×5 | 2×7 | 5×8 | 35° | - | 30362507-12 |
| 38 | 1 1/2 | 2×4.5 | 1×5 | 2×8 | 5×8 | 35° | - | 30382507-12 |
| 41 | 1 9/16 | 2×5 | 1×5 | 2×7 | 5×9 | 35° | - | 30412507-12 |
| 43 | 1 11/16 | 2×5 | 1×5 | 2×8 | 5×9 | 35° | - | 30432507-12 |

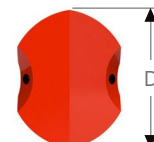
Chisel bit

H22



| | | | | | | | | |
|----|---------|---|-------|---|---|---|---|-----------|
| 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313022-12 |
| 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313222-12 |
| 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313422-12 |
| 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313622-12 |
| 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313822-12 |
| 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314022-12 |

H25



| | | | | | | | | |
|----|---------|---|-------|---|---|---|---|-----------|
| 30 | 1 3/16 | - | 2×5 | - | - | - | - | 313025-12 |
| 32 | 1 1/4 | - | 2×5 | - | - | - | - | 313225-12 |
| 34 | 1 11/32 | - | 2×5 | - | - | - | - | 313425-12 |
| 36 | 1 27/64 | - | 2×5 | - | - | - | - | 313625-12 |
| 38 | 1 1/2 | - | 2×5.5 | - | - | - | - | 313825-12 |
| 40 | 1 37/64 | - | 2×5.5 | - | - | - | - | 314025-12 |

H22 (7/8")

Taper tools, 12° taper

Drill rod



Hex shank 22 * 108 mm



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-----|----------|
| mm | ft | in | mm | in | |
| 610 | 2 | - | 22 | 7/8 | 10220612 |
| 1220 | 4 | - | 22 | 7/8 | 10221212 |
| 1830 | 6 | - | 22 | 7/8 | 10221812 |
| 2000 | 6 | 7 | 22 | 7/8 | 10222012 |
| 2440 | 8 | - | 22 | 7/8 | 10222412 |
| 3050 | 10 | - | 22 | 7/8 | 10223012 |
| 3200 | 10 | 6 | 22 | 7/8 | 10223212 |
| 3660 | 12 | - | 22 | 7/8 | 10223612 |

Small hole drilling

Drifting & tunneling



R25 (1")
Thread

28

R28 (1 1/8")
Thread

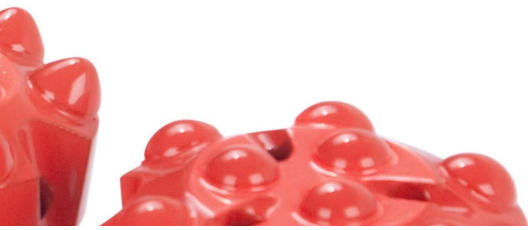
30

R32 (1 1/4")
Thread

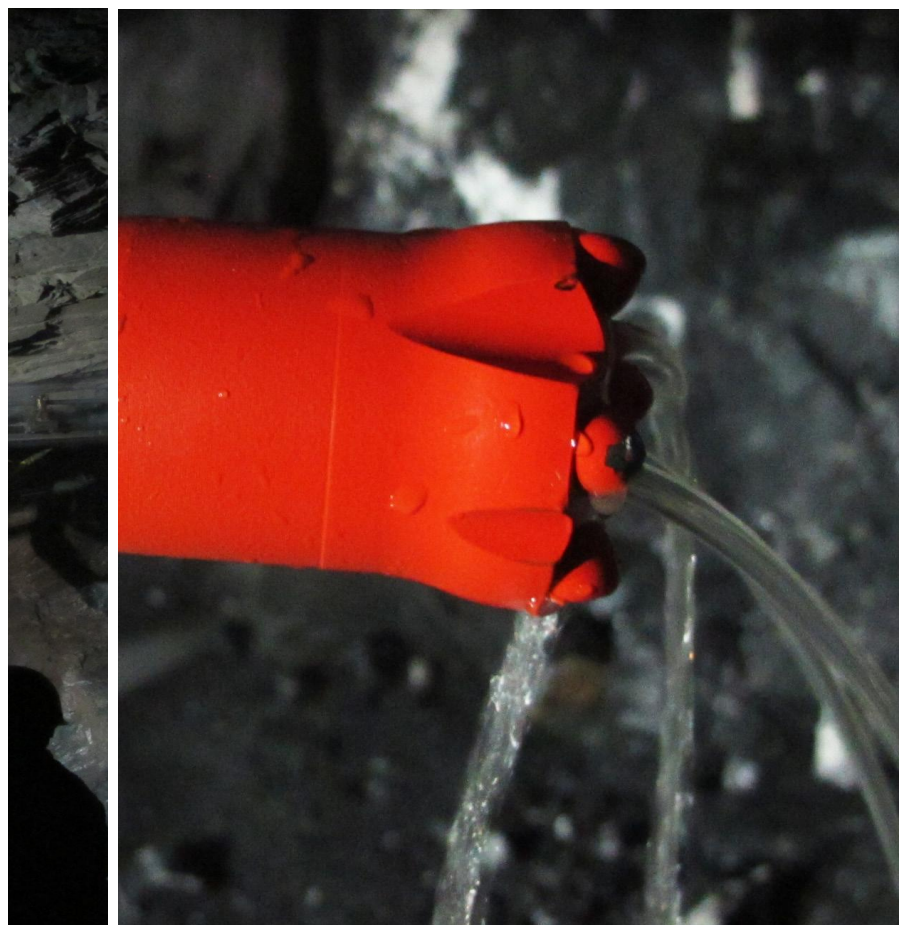
32

R35 (1 3/8")
Thread

37










Drifting & tunneling

R25 (1")
Thread


Button bit

| Button bit | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|---------|--------------------|---------------|---------------|---------------|-------|-------|------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 33 | 1 5/16 | 1×5 | 1×5 | 2×7 | 5×7 | 30° | H | 3033R2507 |
| | 35 | 1 3/8 | 1×5 | 1×5 | 2×7 | 5×8 | 30° | H | 3035R2507 |
| | 38 | 1 1/2 | 1×5 | 2×5 | 2×7 | 5×9 | 30° | H | 3038R2507 |
| | 41 | 1 5/8 | 1×5 | 2×5 | 2×8 | 5×9 | 30° | H | 3041R2507 |
| | 43 | 1 11/16 | 1×5 | 2×5 | 2×8 | 5×10 | 30° | H | 3043R2507 |
| | 45 | 1 3/4 | 1×5.5 | 2×5.5 | 2×9 | 5×11 | 30° | H | 3045R2507 |
|  | 33 | 1 5/16 | 2×4.5 | 2×4.5 | 2×7 | 6×7 | 30° | S | 3033R2508 |
| | 41 | 1 5/8 | 2×5.5 | 2×5 | 2×8 | 6×9 | 30° | S | 3041R2508 |
|  | 38 | 1 1/2 | 2×5 | 2×5 | 2×8 | 6×8 | 30° | S | 3038R25F08 |
|  | 43 | 1 11/16 | 3×5 | - | 3×8 | 6×9 | 30° | M | 3043R2509 |
| | 45 | 1 3/4 | 3×5 | 1×5 | 3×8 | 6×10 | 30° | M | 3045R2509 |


Drifting
& tunneling

Reaming tools

Pilot bit 6° taper

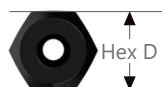
| | | | | | | | | | |
|---|----|---------|-----|-------|-----|-----|-----|---|-------------|
|  | 40 | 1 37/64 | 2×5 | 2×5.5 | 2×8 | 4×9 | 30° | - | 3040R2506KP |
|---|----|---------|-----|-------|-----|-----|-----|---|-------------|

Reaming bit 6° taper

| | | | | | | | | | |
|---|----|---|---|---|---|------|-----|---|-------------|
|  | 76 | 3 | - | - | - | 8×11 | 35° | - | 3076R2508KR |
|---|----|---|---|---|---|------|-----|---|-------------|

R25 (1") Thread

Drill rod



Shank rod with hex 22 * 108 with thread R25



| Part no. | Dimensions L | | | Dimensions D | |
|-----------|--------------|----|----|--------------|-----|
| | mm | ft | in | mm | in |
| 1022R2502 | 250 | - | 10 | 22 | 7/8 |
| 1022R2515 | 1500 | 4 | 11 | 22 | 7/8 |
| 1022R2524 | 2400 | 7 | 10 | 22 | 7/8 |
| 1022R2532 | 3200 | 10 | 6 | 22 | 7/8 |
| 1022R2540 | 4000 | 13 | 1 | 22 | 7/8 |

Shank rod with hex 25 * 108 with thread R25



| | | | | | |
|-----------|------|----|----|----|---|
| 1025R2502 | 250 | - | 10 | 25 | 1 |
| 1025R2515 | 1500 | 4 | 11 | 25 | 1 |
| 1025R2524 | 2400 | 7 | 10 | 25 | 1 |
| 1025R2532 | 3200 | 10 | 6 | 25 | 1 |

Hex rod 25 with threads R25/R25



| | | | | | |
|-----------|------|----|---|----|---|
| 2125R2522 | 2200 | 7 | 2 | 25 | 1 |
| 2125R2524 | 2475 | 8 | 2 | 25 | 1 |
| 2125R2526 | 2600 | 8 | 6 | 25 | 1 |
| 2125R2528 | 2800 | 9 | 2 | 25 | 1 |
| 2125R2531 | 3100 | 10 | 2 | 25 | 1 |

Hex rod 25 with threads R25/R25 (MF)



| | | | | | |
|-------------|------|---|---|----|---|
| 2125R25MF15 | 1525 | 5 | - | 25 | 1 |
| 2125R25MF18 | 1830 | 6 | - | 25 | 1 |

Drifting
& tunneling

Coupling

R25-R25



| Part no. | L (mm) | Dimensions D | |
|------------|--------|--------------|---------|
| | | mm | in |
| MX-R253414 | 140 | 34 | 1 11/32 |

Crossover coupling R25-R32






| | | | |
|---------------|-----|----|-------|
| MX-R25R324517 | 175 | 45 | 1 3/4 |
|---------------|-----|----|-------|

Drifting & tunneling

R28 (1 1/8")
Thread


Drifting
& tunneling

Button bit


| | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--|--------------|---------|--------------------|---------------|---------------|---------------|-------|-------|-----------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 38 | 1 1/2 | 1×5 | 2×5 | 2×7 | 5×9 | 30° | H | 3038R2807 |
| | 41 | 1 5/8 | 1×5 | 2×5 | 2×8 | 5×9 | 30° | H | 3041R2807 |
| | 43 | 1 11/16 | 1×5 | 2×5 | 2×8 | 5×10 | 30° | H | 3043R2807 |
| | 45 | 1 3/4 | 1×5 | 2×5 | 2×9 | 5×11 | 30° | H | 3045R2807 |
|  | 41 | 1 5/8 | 2×5.5 | 2×5 | 2×8 | 6×9 | 30° | S | 3041R2808 |
|  | 43 | 1 11/16 | 3×5 | – | 3×8 | 6×9 | 30° | M | 3043R2809 |
| | 45 | 1 3/4 | 3×5 | 1×5 | 3×8 | 6×10 | 30° | M | 3045R2809 |

Reaming tools


Pilot bit 6° taper

| | | | | | | | | | |
|---|----|---------|-----|-------|-----|-----|-----|---|-------------|
|  | 40 | 1 37/64 | 2×5 | 2×5.5 | 2×8 | 4×9 | 30° | – | 3040R2806KP |
|---|----|---------|-----|-------|-----|-----|-----|---|-------------|

Reaming bit 6° taper

| | | | | | | | | | |
|---|----|---|---|---|---|------|-----|---|-------------|
|  | 76 | 3 | – | – | – | 8×11 | 35° | – | 3076R2808KR |
|---|----|---|---|---|---|------|-----|---|-------------|

Dome bit

| | | | | | | | | | |
|---|----|---|-----|-----|------|-------|-----|---|-------------|
|  | 76 | 3 | 2×9 | 2×7 | 1×11 | 14×11 | 35° | – | 3076R2815KD |
|---|----|---|-----|-----|------|-------|-----|---|-------------|

R28 (1 1/8") Thread

Drill rod



Hex rod 28 with threads R28/R32



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|--------------|
| mm | ft | in | mm | in | |
| 2800 | 9 | 2 | 28 | 1 1/8 | 2128R32R2828 |
| 3100 | 10 | 2 | 28 | 1 1/8 | 2128R32R2831 |
| 3700 | 12 | 2 | 28 | 1 1/8 | 2128R32R2837 |

Hex rod 32 with threads R28/R32



| | | | | | |
|------|----|---|----|-------|--------------|
| 4310 | 14 | 2 | 32 | 1 1/4 | 2132R32R2843 |
|------|----|---|----|-------|--------------|

Coupling

R28-R28



| L (mm) | Dimensions D | | Part no. |
|-----------|--------------|---------|------------|
| | mm | in | |
| 160 | 37 | 1 29/64 | MX-R283716 |

Crossover coupling R28-R32



| | | | |
|-----|----|-------|---------------|
| 171 | 45 | 1 3/4 | MX-R28R324517 |
|-----|----|-------|---------------|








Drifting
& tunneling

Drifting & tunneling

R32 (1 1/4")
Thread

Drifting
& tunneling




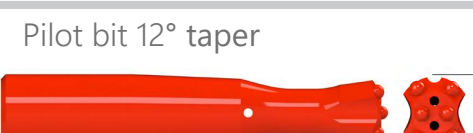
Button bit

| Button bit | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|---------|--------------------|---------------|---------------|---------------|-------|-------|------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 45 | 1 3/4 | 1×5.5 | 2×5.5 | 2×9 | 5×11 | 30° | H | 3045R3207 |
| | 48 | 1 7/8 | 2×6 | 1×5 | 2×9 | 5×11 | 30° | H | 3048R3207 |
| | 51 | 2 | 2×6 | 1×5.5 | 2×10 | 5×11 | 30° | H | 3051R3207 |
|  | 43 | 1 11/16 | 2×5 | 2×5 | 2×8 | 6×9 | 30° | S | 3043R3208 |
| | 45 | 1 3/4 | 2×5 | 2×5 | 2×9 | 6×10 | 30° | S | 3045R3208 |
| | 48 | 1 7/8 | 2×5.5 | 2×5 | 2×9 | 6×10 | 30° | S | 3048R3208 |
|  | 43 | 1 11/16 | 3×4 | 2×5 | 3×8 | 6×10 | 30° | M | 3043R3209 |
| | 45 | 1 3/4 | 3×5 | 1×5 | 3×8 | 6×10 | 30° | M | 3045R3209 |
| | 48 | 1 7/8 | 3×5 | 1×5 | 3×9 | 6×10 | 30° | M | 3048R3209 |
| | 54 | 2 1/8 | 3×6 | 1×5.5 | 3×10 | 6×11 | 35° | M | 3054R3209 |
|  | 45 | 1 3/4 | 3×5 | 1×5 | 3×8 | 6×10 | 30° | M | 3045R32F09 |
| | 48 | 1 7/8 | 3×5 | 1×5 | 3×9 | 6×10 | 30° | M | 3048R32F09 |
| | 51 | 2 | 3×5.5 | 1×5.5 | 3×9 | 6×10 | 35° | M | 3051R32F09 |
| | 54 | 2 1/8 | 3×6 | 1×5.5 | 3×10 | 6×11 | 35° | M | 3054R32F09 |
| | 57 | 2 1/4 | 3×6 | 1×6 | 3×10 | 6×11 | 35° | M | 3057R32F09 |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 4×10 | 6×11 | 35° | M | 3064R3210D |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 3×11 | 6×12 | 35° | H | 3064R32F09 |
|  | 76 | 3 | 2×9 | 2×7 | 6×10 | 8×11 | 35° | H | 3076R32F14 |

R32 (1 1/4") Thread


Drifting
& tunneling

Button bit


| | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|-------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 51 | 2 | 3×5 | 1×6 | 3×9 | 6×10 | 30° | M | 3051R32F09R |
|  | 54 | 2 1/8 | 3×6 | 1×5.5 | 3×10 | 6×11 | 35° | M | 3054R32F09R |
|  | 57 | 2 1/4 | 3×6 | 1×6 | 3×10 | 6×11 | 35° | M | 3057R32F09R |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 4×10 | 6×11 | 35° | M | 3064R3210DR |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 3×11 | 6×12 | 35° | H | 3064R32F09R |

Reaming tools

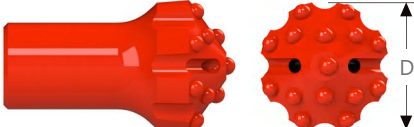
Pilot bit 12° taper

| | | | | | | | | | |
|---|----|-------|-----|-------|-----|-----|-----|---|-------------|
|  | 41 | 1 5/8 | 2×5 | 2×5.5 | 2×8 | 4×9 | 30° | - | 3041R3206KP |
|---|----|-------|-----|-------|-----|-----|-----|---|-------------|

Reaming bit 12° taper

| | | | | | | | | | |
|---|-----|-------|---|---|------|------|-----|---|--------------|
|  | 89 | 3 1/2 | - | - | 4×10 | 8×11 | 35° | - | 3089R3212KR |
| | 102 | 4 | - | - | 4×12 | 8×12 | 35° | - | 30102R3212KR |

Dome bit

| | | | | | | | | | |
|---|-----|-------|-----|-----|------|-------|-----|---|--------------|
|  | 76 | 3 | 2×9 | 2×7 | 1×11 | 14×11 | 35° | - | 3076R3215KD |
| | 89 | 3 1/2 | 2×9 | 2×8 | 1×12 | 14×12 | 35° | - | 3089R3215KD |
| | 102 | 4 | 2×9 | 2×9 | 1×12 | 14×12 | 35° | - | 30102R3215KD |

Drifting & tunneling

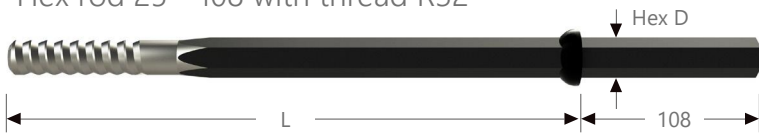
R32 (1 1/4")
Thread

Drifting & tunneling

Drill rod



Hex rod 25 * 108 with thread R32



| Part no. | Dimensions L | | | Dimensions D | |
|-----------|--------------|----|-------|--------------|----|
| | mm | ft | in | mm | in |
| 1025R3218 | 1830 | 6 | - | 25 | 1 |
| 1025R3224 | 2435 | 8 | - | 25 | 1 |
| 1025R3229 | 2950 | 9 | 7 5/8 | 25 | 1 |
| 1025R3230 | 3050 | 10 | - | 25 | 1 |

Hex rod 32 with threads R32/R38



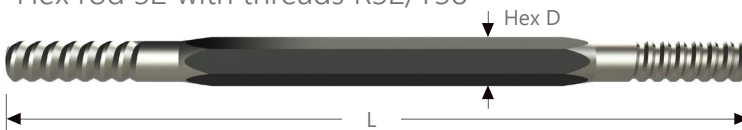
| | | | | | |
|--------------|------|----|---|----|-------|
| 2132R38R3231 | 3100 | 10 | 2 | 32 | 1 1/4 |
| 2132R38R3237 | 3700 | 12 | 2 | 32 | 1 1/4 |
| 2132R38R3243 | 4310 | 14 | 2 | 32 | 1 1/4 |
| 2132R38R3249 | 4920 | 16 | 2 | 32 | 1 1/4 |

Hex rod 35 with threads R32/R38



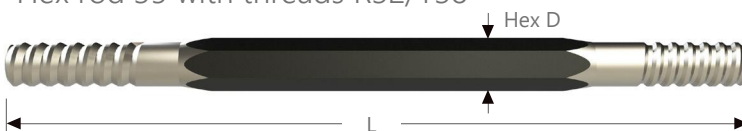
| | | | | | |
|--------------|------|----|---|----|-------|
| 2135R38R3231 | 3100 | 10 | 2 | 35 | 1 3/8 |
| 2135R38R3237 | 3700 | 12 | 2 | 35 | 1 3/8 |
| 2135R38R3243 | 4310 | 14 | 2 | 35 | 1 3/8 |
| 2135R38R3249 | 4920 | 16 | 2 | 35 | 1 3/8 |
| 2135R38R3255 | 5530 | 18 | 2 | 35 | 1 3/8 |

Hex rod 32 with threads R32/T38



| | | | | | |
|--------------|------|----|---|----|-------|
| 2132T38R3231 | 3100 | 10 | 2 | 32 | 1 1/4 |
| 2132T38R3237 | 3700 | 12 | 2 | 32 | 1 1/4 |
| 2132T38R3243 | 4310 | 14 | 2 | 32 | 1 1/4 |
| 2132T38R3249 | 4920 | 16 | 2 | 32 | 1 1/4 |

Hex rod 35 with threads R32/T38



| | | | | | |
|--------------|------|----|---|----|-------|
| 2135T38R3231 | 3100 | 10 | 2 | 35 | 1 3/8 |
| 2135T38R3237 | 3700 | 12 | 2 | 35 | 1 3/8 |
| 2135T38R3243 | 4310 | 14 | 2 | 35 | 1 3/8 |
| 2135T38R3249 | 4920 | 16 | 2 | 35 | 1 3/8 |
| 2135T38R3255 | 5530 | 18 | 2 | 35 | 1 3/8 |

Rod Ø32 with threads R32/R32 (MF)



| | | | | | |
|-------------|------|----|---|----|-------|
| 2032R32MF31 | 3100 | 10 | 2 | 32 | 1 1/4 |
| 2032R32MF37 | 3700 | 12 | 2 | 32 | 1 1/4 |
| 2032R32MF43 | 4310 | 14 | 2 | 32 | 1 1/4 |
| 2032R32MF49 | 4920 | 16 | 2 | 32 | 1 1/4 |

Rod Ø32 with threads R32/R32



| | | | | | |
|-----------|------|----|-------|----|-------|
| 2032R3218 | 1830 | 6 | - | 32 | 1 1/4 |
| 2032R3224 | 2435 | 8 | - | 32 | 1 1/4 |
| 2032R3229 | 2950 | 9 | 7 5/8 | 32 | 1 1/4 |
| 2032R3230 | 3050 | 10 | - | 32 | 1 1/4 |

R32 (1 1/4") Thread

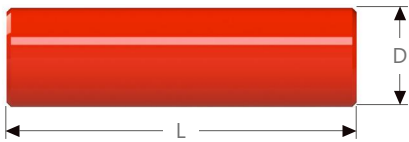
Coupling

R32-R32



| Dimensions L | | Dimensions D | | Part no. |
|--------------|----|--------------|-------|------------|
| mm | in | mm | in | |
| 160 | 6 | 45 | 1 3/4 | MX-R324516 |

Crossover coupling R32-R35



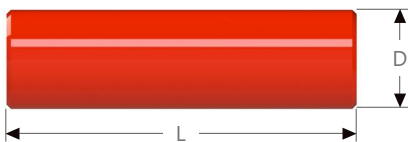
| | | | | |
|-----|-------|----|-------|---------------|
| 175 | 6 7/8 | 45 | 1 3/4 | MX-R35R324517 |
|-----|-------|----|-------|---------------|

Crossover coupling R28-R32



| | | | | |
|-----|-------|----|-------|---------------|
| 171 | 6 3/4 | 45 | 1 3/4 | MX-R32R284517 |
|-----|-------|----|-------|---------------|

Crossover coupling R32-R38



| | | | | |
|-----|-------|----|-------|---------------|
| 181 | 7 1/8 | 55 | 2 1/8 | MX-R38R325518 |
|-----|-------|----|-------|---------------|

Crossover coupling R32-T38



| | | | | |
|-----|-------|----|-------|---------------|
| 180 | 7 1/2 | 55 | 2 1/8 | MX-T38R325518 |
|-----|-------|----|-------|---------------|

Note: Middle stop sleeves will be manufactured upon receipt of your orders

Drifting
& tunneling

Drifting & tunneling

R32 (1 1/4")
Thread

Guide Tube






Guide Tube with threads R32



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 1220 | 4 | - | 45 | 1 3/4 | 2245R32MF12 |
| 1830 | 6 | - | 45 | 1 3/4 | 2245R32MF18 |
| 3050 | 10 | - | 45 | 1 3/4 | 2245R32MF30 |

R35 (1 3/8") Thread


Button bit

| | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|-------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 48 | 1 7/8 | 1×5.5 | 2×5.5 | 2×9 | 5×11 | 30° | H | 3048R3507 |
| | 51 | 2 | 2×6 | 1×5 | 2×9 | 5×11 | 30° | H | 3051R3507 |
|  | 48 | 1 7/8 | 3×5 | 1×5 | 3×9 | 6×10 | 30° | M | 3048R35F09 |
| | 51 | 2 | 3×5.5 | 1×5.5 | 3×9 | 6×10 | 35° | M | 3051R35F09 |
| | 54 | 2 1/8 | 3×6 | 1×6 | 3×10 | 6×11 | 35° | M | 3054R35F09 |
| | 57 | 2 1/4 | 3×7 | 1×6 | 3×10 | 6×11 | 35° | M | 3057R35F09 |
|  | 54 | 2 1/8 | 3×6 | 1×5.5 | 3×10 | 6×11 | 35° | M | 3054R35F09R |
| | 57 | 2 1/4 | 3×6 | 1×6 | 3×10 | 6×11 | 35° | M | 3057R35F09R |

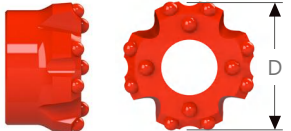
Drilling & tunneling

Reaming tools

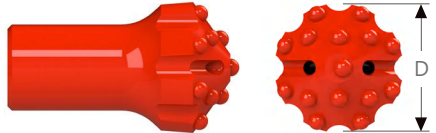
Pilot bit 12° taper

| | | | | | | | | | |
|---|----|-------|-----|-------|-----|-----|-----|---|-------------|
|  | 41 | 1 5/8 | 2×5 | 2×5.5 | 2×8 | 4×9 | 30° | - | 3041R3506KP |
|---|----|-------|-----|-------|-----|-----|-----|---|-------------|

Reaming bit 12° taper

| | | | | | | | | | |
|---|-----|-------|---|---|------|------|-----|---|--------------|
|  | 89 | 3 1/2 | - | - | 4×10 | 8×11 | 35° | - | 3089R3512KR |
| | 102 | 4 | - | - | 4×10 | 8×11 | 35° | - | 30102R3512KR |

Dome bit

| | | | | | | | | | |
|---|-----|-------|-----|-----|------|-------|-----|---|--------------|
|  | 76 | 3 | 2×9 | 2×7 | 1×11 | 14×11 | 35° | - | 3076R3515KD |
| | 89 | 3 1/2 | 2×9 | 2×8 | 1×12 | 14×12 | 35° | - | 3089R3515KD |
| | 102 | 4 | 2×9 | 2×9 | 1×12 | 14×12 | 35° | - | 30102R3515KD |

Drifting & tunneling

R35 (1 3/8")
Thread

Drill rod



Hex rod 35 with threads R35/T38



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|--------------|
| mm | ft | in | mm | in | |
| 4310 | 14 | 2 | 35 | 1 1/4 | 2135T38R3543 |
| 4920 | 16 | 2 | 35 | 1 1/4 | 2135T38R3549 |
| 5530 | 18 | 2 | 35 | 1 1/4 | 2135T38R3555 |

Drifting & tunneling

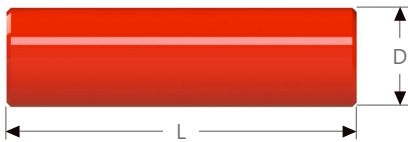
Coupling

R35-R35



| Dimensions L | | Dimensions D | | Part no. |
|--------------|-------|--------------|-------|------------|
| mm | in | mm | in | |
| 160 | 6 1/4 | 48 | 1 7/8 | MX-R354816 |

Crossover coupling R32-R35



| | | | | |
|-----|-------|----|-------|---------------|
| 171 | 6 3/4 | 48 | 1 7/8 | MX-R35R324817 |
|-----|-------|----|-------|---------------|

T38 (1 1/2")
Thread 42

T45 (1 3/4")
Thread 46

T51 (2")
Thread 50

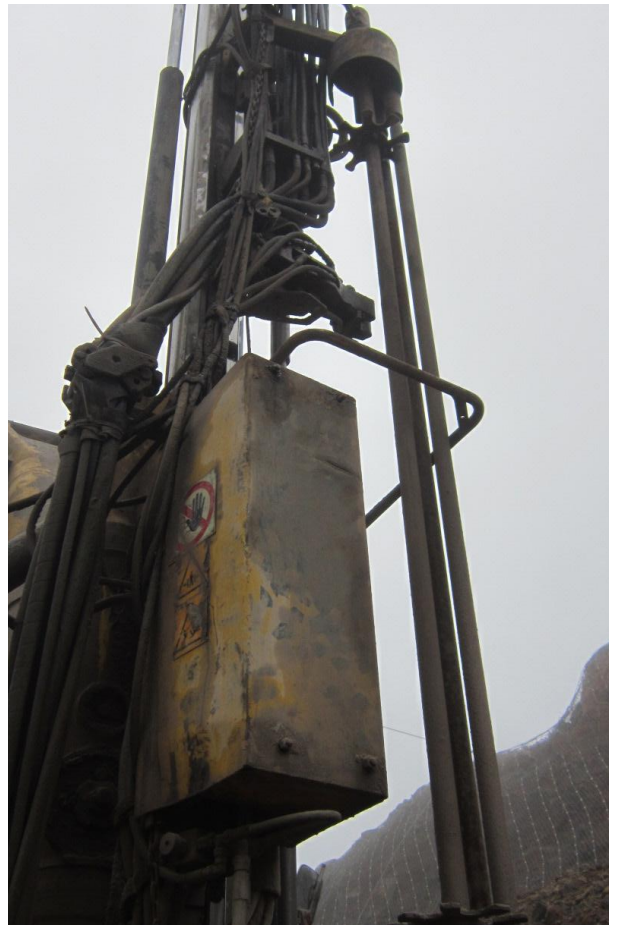
ST58 (2 1/4")
Thread 54

GT60 (2 3/5")
Thread 56

ST68 (2 3/4")
Thread 59



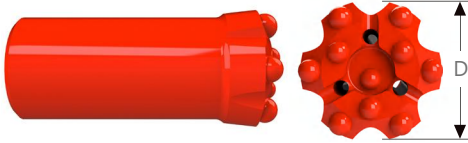










Bench & long hole Drilling

T38 (1 1/2")
Thread

Bench & long
hole drilling


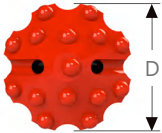

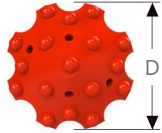

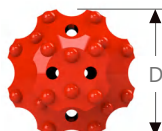
| Button bit | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|-------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 4×10 | 6×11 | 35° | M | 3064T3810D |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 3×11 | 6×12 | 35° | H | 3064T38F09 |
|  | 64 | 2 1/2 | 2×9 | – | 4×10 | 8×10 | 35° | H | 3064T3812 |
| | 70 | 2 3/4 | 2×8 | 2×6 | 4×11 | 8×11 | 35° | H | 3070T3812 |
| | 76 | 3 | 2×9 | 2×7 | 4×11 | 8×12 | 35° | H | 3076T3812 |
| | 89 | 3 1/2 | 2×13 | 2×8 | 5×12 | 8×13 | 35° | H | 3089T3813 |
|  | 76 | 3 | 2×10 | 2×7 | 4×11 | 8×12 | 35° | M | 3076T38F12 |
|  | 70 | 2 3/4 | 4×8 | – | 5×10 | 8×11 | 30° | M | 3070T3813D |
| | 76 | 3 | 4×8 | – | 5×11 | 8×12 | 35° | M | 3076T3813D |
|  | 89 | 3 1/2 | 4×9 | – | 6×12 | 8×13 | 35° | M | 3089T3814D |
|  | 64 | 2 1/2 | 3×7 | 1×6 | 3×11 | 6×12 | 35° | M | 3064T38F09R |

T38 (1 1/2") Thread

| Bit | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. | | |
|---|---|----|--------------------|---------------|---------------|---------------|-------|-------|----------|---|-------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | | | |
|  |  | D | 64 | 2 1/2 | 2×9 | 2×6 | 4×10 | 8×10 | 30° | M | 3064T3812R |
| | | | 70 | 2 3/4 | 2×8 | 2×6 | 4×11 | 8×11 | 35° | H | 3070T3812R |
| | | | 76 | 3 | 2×9 | 2×7 | 4×12 | 8×12 | 35° | H | 3076T3812R |
|  |  | D | 89 | 3 1/2 | 2×11 | 2×8 | 6×12 | 8×13 | 35° | H | 3089T38F14R |
|  |  | D | 64 | 2 1/2 | 3×7 | 1×6 | 4×10 | 6×11 | 35° | M | 3064T3810DR |
|  |  | D | 70 | 2 3/4 | 4×8 | - | 5×10 | 8×11 | 30° | M | 3070T3813DR |
| | | | 76 | 3 | 4×8 | - | 5×11 | 8×12 | 35° | M | 3076T3813DR |
| | | | 89 | 3 1/2 | 4×10 | - | 6×12 | 8×13 | 35° | M | 3089T3814DR |
|  |  | D | 64 | 2 1/2 | 2×7 | 1×7 | - | - | - | - | 3264T38 |
| | | | 76 | 3 | 2×8 | 1×8 | - | - | - | - | 3276T38 |

Bench & long
hole drilling

Reaming tools

| | | | | | | | | | | | |
|---|---|---|-----|-------|------|------|-------|-------|-----|---|--------------|
| Dome bit  |  | D | 89 | 3 1/2 | 2×9 | 2×8 | 1×12 | 14×12 | 35° | - | 3089T3815KD |
| | | | 102 | 5 | 2×9 | 2×9 | 1×12 | 14×12 | 35° | - | 30102T3815KD |
| Dome bit  |  | D | 127 | 5 | 4×8 | 2×9 | 1×14 | 16×14 | 35° | - | 30127T3817KD |
| Cut holes/Dome bit  |  | D | 127 | 5 | 2×13 | 2×11 | 10×13 | 8×14 | 35° | - | 30127T3818KC |

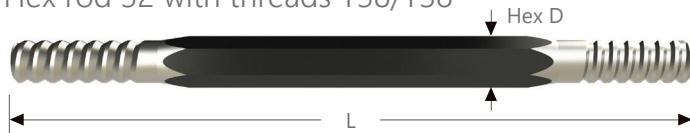
Bench & long hole Drilling

T38 (1 1/2")
Thread

Drill rod



Hex rod 32 with threads T38/T38



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|----------|
| mm | ft | in | mm | in | |

| | | | | | |
|------|----|---|----|-------|-----------|
| 3050 | 10 | - | 32 | 1 1/4 | 2132T3830 |
| 3660 | 12 | - | 32 | 1 1/4 | 2132T3836 |

Rod Ø38 with threads T38/T38



| | | | | | |
|------|----|---|----|-------|-----------|
| 3050 | 10 | - | 38 | 1 1/2 | 2038T3830 |
| 3660 | 12 | - | 38 | 1 1/2 | 2038T3836 |
| 4270 | 14 | - | 38 | 1 1/2 | 2038T3842 |
| 4880 | 16 | - | 38 | 1 1/2 | 2038T3848 |
| 5490 | 18 | - | 38 | 1 1/2 | 2038T3854 |

Rod Ø38 with threads T38/T38 (MF)



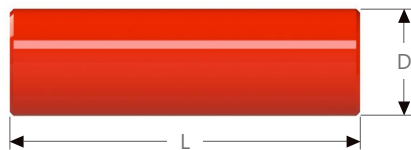
| | | | | | |
|------|----|---|----|-------|-------------|
| 900 | 3 | - | 38 | 1 1/2 | 2038T38MF09 |
| 1220 | 4 | - | 38 | 1 1/2 | 2038T38MF12 |
| 1525 | 5 | - | 38 | 1 1/2 | 2038T38MF15 |
| 1830 | 6 | - | 38 | 1 1/2 | 2038T38MF18 |
| 2440 | 8 | - | 38 | 1 1/2 | 2038T38MF24 |
| 3050 | 10 | - | 38 | 1 1/2 | 2038T38MF30 |
| 3660 | 12 | - | 38 | 1 1/2 | 2038T38MF36 |

Bench & long
hole drilling

Coupling

| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|----------|
| mm | ft | in | mm | in | |

T38-T38



| | | | | | |
|-----|---|-----|----|-------|------------|
| 190 | 7 | 1/2 | 55 | 2 1/8 | MX-T385519 |
|-----|---|-----|----|-------|------------|

Crossover coupling T38-R32



| | | | | | |
|-----|---|-----|----|-------|---------------|
| 180 | 7 | 1/2 | 55 | 2 1/8 | MX-T38R325518 |
|-----|---|-----|----|-------|---------------|

Crossover coupling T38-T45



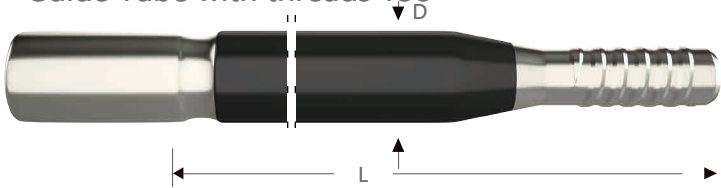
| | | | | | |
|-----|---|-----|----|-------|---------------|
| 215 | 8 | 1/2 | 66 | 2 1/2 | MX-T38T456621 |
|-----|---|-----|----|-------|---------------|

T38 (1 1/2") Thread

Guide Tube



Guide Tube with threads T38




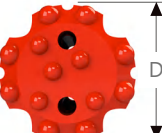

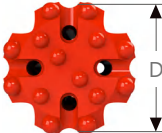



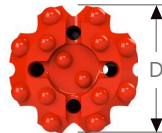



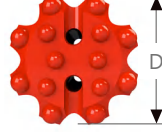

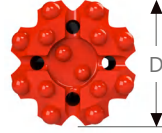
| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 1220 | 4 | - | 56 | 2 1/8 | 2256T38MF12 |
| 1525 | 5 | - | 56 | 2 1/8 | 2256T38MF15 |
| 1830 | 6 | - | 56 | 2 1/8 | 2256T38MF18 |
| 3050 | 10 | - | 56 | 2 1/8 | 2256T38MF30 |
| 3660 | 12 | - | 56 | 2 1/8 | 2256T38MF36 |

Bench & long
hole drilling

Bench & long hole Drilling

T45 (1 3/4")
Thread

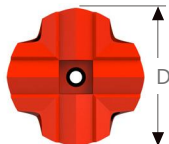
Button bit

| Button bit | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. | |
|---|---|-----|--------------------|---------------|---------------|---------------|-------|-------|----------|--------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | | |
|  |  | 70 | 2 3/4 | 2×8 | 2×6 | 4×11 | 8×11 | 35° | H | 3070T4512 |
| | | 76 | 3 | 2×9 | 2×7 | 4×11 | 8×12 | 35° | H | 3076T4512 |
| | | 89 | 3 1/2 | 2×13 | 2×8 | 5×12 | 8×14 | 35° | H | 3089T4513 |
| | | 102 | 4 | 2×13 | - | 6×13 | 8×14 | 35° | H | 30102T4514 |
|  |  | 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | H | 30115T45F14 |
|  |  | 70 | 2 3/4 | 4×8 | - | 5×10 | 8×11 | 35° | M | 3070T4513D |
| | | 76 | 3 | 4×8 | - | 5×11 | 8×12 | 35° | M | 3076T4513D |
|  |  | 89 | 3 1/2 | 4×9 | - | 6×12 | 8×14 | 35° | M | 3089T4514D |
| | | 102 | 4 | 4×11 | - | 6×13 | 8×14 | 35° | M | 30102T4514D |
| | | 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | M | 30115T4514D |
|  |  | 70 | 2 3/4 | 2×8 | 2×6 | 4×11 | 8×11 | 35° | H | 3070T4512R |
| | | 76 | 3 | 2×9 | 2×7 | 4×12 | 8×12 | 35° | H | 3076T4512R |
|  |  | 89 | 3 1/2 | 2×11 | 2×8 | 6×12 | 8×14 | 35° | H | 3089T45F14R |
| | | 102 | 4 | 4×11 | - | 6×13 | 8×14 | 35° | H | 30102T45F14R |
| | | 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | H | 30115T45F14R |
|  |  | 76 | 3 | 4×8 | - | 5×11 | 8×12 | 35° | M | 3076T4513DR |
| | | 89 | 3 1/2 | 4×10 | - | 6×12 | 8×14 | 35° | M | 3089T4514DR |
| | | 102 | 4 | 4×11 | - | 6×13 | 8×14 | 35° | M | 30102T4514DR |
| | | 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | M | 30115T4514DR |

Bench & long
hole drilling

T45 (1 3/4") Thread

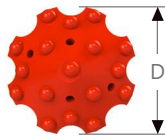
Cross bit



| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|----------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
| 76 | 3 | 1×8 | 2×8 | - | - | - | - | 3276T45 |
| 89 | 3 1/2 | 1×9 | 2×9 | - | - | - | - | 3289T45 |

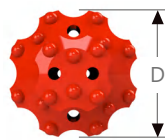
Reaming tools

Dome bit



| | | | | | | | | |
|-----|---|-----|-----|------|-------|-----|---|--------------|
| 127 | 5 | 4×8 | 2×9 | 1×14 | 16×14 | 35° | - | 30127T4517KD |
|-----|---|-----|-----|------|-------|-----|---|--------------|

Cut holes/Dome bit



| | | | | | | | | |
|-----|---|------|------|-------|------|-----|---|--------------|
| 127 | 5 | 2×13 | 2×11 | 10×13 | 8×14 | 35° | - | 30127T4518KC |
|-----|---|------|------|-------|------|-----|---|--------------|

Bench & long
hole drilling

Drill rod

Rod Ø45 with threads T45/T45



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-----------|
| mm | ft | in | mm | in | |
| 3050 | 10 | - | 45 | 1 3/4 | 2045T4530 |
| 3660 | 12 | - | 45 | 1 3/4 | 2045T4536 |
| 4270 | 14 | - | 45 | 1 3/4 | 2045T4542 |
| 4880 | 16 | - | 45 | 1 3/4 | 2045T4548 |
| 6100 | 20 | - | 45 | 1 3/4 | 2045T4561 |

Rod Ø45 with threads T45/T45 (MF)



| | | | | | |
|------|----|---|----|-------|-------------|
| 1525 | 5 | - | 45 | 1 3/4 | 2045T45MF15 |
| 1830 | 6 | - | 45 | 1 3/4 | 2045T45MF18 |
| 3050 | 10 | - | 45 | 1 3/4 | 2045T45MF30 |
| 3660 | 12 | - | 45 | 1 3/4 | 2045T45MF36 |
| 4270 | 14 | - | 45 | 1 3/4 | 2045T45MF42 |

Bench & long hole Drilling

T45 (1 3/4")
Thread

Coupling

| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|----------|
| mm | ft | in | mm | in | |

T45-45



| | | | | | |
|-----|---|-----|----|-------|------------|
| 207 | 8 | 1/8 | 66 | 2 3/5 | MX-T456620 |
|-----|---|-----|----|-------|------------|

Crossover coupling T45-T38



| | | | | | |
|-----|---|-----|----|-------|---------------|
| 215 | 8 | 1/2 | 66 | 2 1/2 | MX-T45T386621 |
|-----|---|-----|----|-------|---------------|

Crossover coupling T45-T51



| | | | | | |
|-----|---|-----|----|-------|---------------|
| 240 | 9 | 1/2 | 72 | 2 7/8 | MX-T45T517224 |
|-----|---|-----|----|-------|---------------|

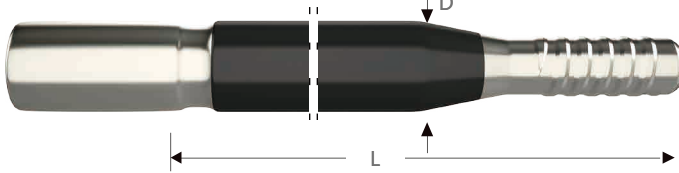
Bench & long
hole drilling

T45 (1 3/4") Thread

Guide Tube



Guide Tube with threads T45

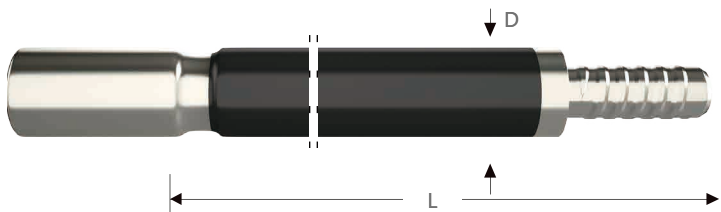


| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 1525 | 5 | - | 64 | 2 1/2 | 2264T45MF15 |
| 1830 | 6 | - | 64 | 2 1/2 | 2264T45MF18 |
| 3660 | 12 | - | 64 | 2 1/2 | 2264T45MF36 |
| 1830 | 6 | - | 76 | 3 | 2276T45MF18 |
| 3660 | 12 | - | 76 | 3 | 2276T45MF36 |

Drill Tube



Drill Tube with threads T45



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 1525 | 5 | - | 64 | 2 1/2 | 2464T45MF15 |
| 1830 | 6 | - | 64 | 2 1/2 | 2464T45MF18 |

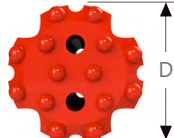
Bench & long
hole drilling

Bench & long hole Drilling

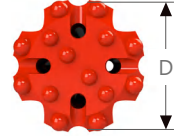
T51 (2")
Thread

Button bit

| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--------------|----|--------------------|---------------|---------------|---------------|-------|-------|----------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |



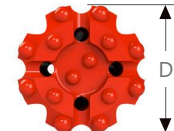
| | | | | | | | | |
|-----|-------|------|-----|------|------|-----|---|------------|
| 89 | 3 1/2 | 2×12 | 2×7 | 6×12 | 8×14 | 35° | H | 3089T5114 |
| 102 | 4 | 2×14 | - | 6×13 | 8×14 | 35° | H | 30102T5114 |



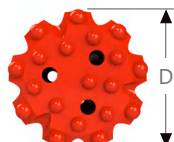
| | | | | | | | | |
|-----|-------|------|---|------|------|-----|---|-------------|
| 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | H | 30115T51F14 |
|-----|-------|------|---|------|------|-----|---|-------------|



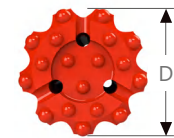
| | | | | | | | | |
|-----|-------|------|---|------|------|-----|---|-------------|
| 89 | 3 1/2 | 4×10 | - | 6×12 | 8×14 | 35° | M | 3089T5114D |
| 102 | 4 | 4×11 | - | 6×13 | 8×14 | 35° | M | 30102T5114D |



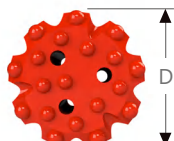
| | | | | | | | | |
|-----|-------|------|---|------|------|-----|---|-------------|
| 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | M | 30115T5114D |
|-----|-------|------|---|------|------|-----|---|-------------|



| | | | | | | | | |
|-----|---|------|---|-------|------|-----|---|------------|
| 127 | 5 | 3×13 | - | 10×14 | 9×16 | 35° | H | 30127T5119 |
|-----|---|------|---|-------|------|-----|---|------------|



| | | | | | | | | |
|-----|---|------|---|------|------|-----|---|-------------|
| 127 | 5 | 3×13 | - | 9×14 | 9×14 | 35° | M | 30127T5118D |
|-----|---|------|---|------|------|-----|---|-------------|


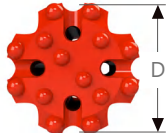






| | | | | | | | | |
|-----|---|------|---|------|------|-----|---|-------------|
| 127 | 5 | 3×13 | - | 9×14 | 9×16 | 35° | H | 30127T5118R |
|-----|---|------|---|------|------|-----|---|-------------|

Bench & long
hole drilling

T51 (2") Thread


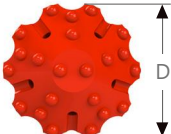
Button bit

| | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|--------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|   | 89 | 3 1/2 | 2×11 | 2×8 | 6×12 | 8×14 | 35° | H | 3089T51F14R |
| | 102 | 4 | 4×11 | - | 6×13 | 8×14 | 35° | H | 30102T51F14R |
| | 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | H | 30115T51F14R |
|   | 89 | 3 1/2 | 4×10 | - | 6×12 | 8×14 | 35° | M | 3089T5114DR |
| | 102 | 4 | 4×11 | - | 6×13 | 8×14 | 35° | M | 30102T5114DR |
| | 115 | 4 1/2 | 4×13 | - | 6×14 | 8×16 | 35° | M | 30115T5114DR |
|   | 127 | 5 | 3×13 | - | 9×14 | 9×14 | 35° | M | 30127T5118DR |

Bench & long
hole drilling

Reaming tools

Dome bit

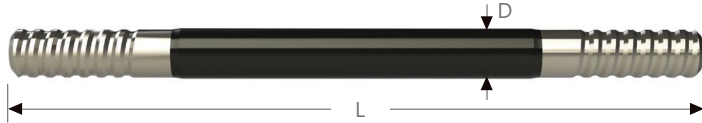
| | | | | | | | | | |
|---|-----|---|------|------|------|-------|-----|---|--------------|
|   | 152 | 6 | 5×10 | 2×10 | 2×14 | 20×14 | 35° | - | 30152T5122KD |
|---|-----|---|------|------|------|-------|-----|---|--------------|

Bench & long hole Drilling

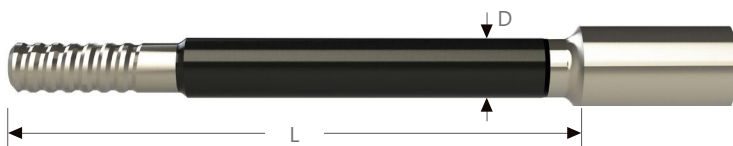
T51 (2")
Thread

Drill rod

Rod Ø51 with threads T51/T51



Rod Ø51 with threads T51/T51 (MF)



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|-----------|
| mm | ft | in | mm | in | |
| 3660 | 12 | - | 51 | 2 | 2051T5136 |
| 4270 | 14 | - | 51 | 2 | 2051T5142 |
| 6100 | 20 | - | 51 | 2 | 2051T5161 |

| | | | | | |
|------|----|---|----|---|-------------|
| 1525 | 5 | - | 51 | 2 | 2051T51MF15 |
| 1830 | 6 | - | 51 | 2 | 2051T51MF18 |
| 3660 | 12 | - | 51 | 2 | 2051T51MF36 |
| 4270 | 14 | - | 51 | 2 | 2051T51MF42 |

Bench & long
hole drilling

Coupling

T51-T51



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|-----|--------------|-------|------------|
| mm | ft | in | mm | in | |
| 235 | 9 | 1/4 | 72 | 2 1/8 | MX-T517223 |

T51-T51



| | | | | | |
|-----|---|-----|----|---|------------|
| 235 | 9 | 1/4 | 77 | 3 | MX-T517723 |
|-----|---|-----|----|---|------------|

Crossover coupling T51-T45



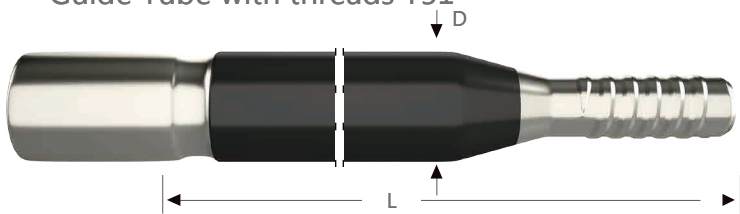
| | | | | | |
|-----|---|-----|----|-------|---------------|
| 240 | 9 | 1/2 | 72 | 2 7/8 | MX-T51T457224 |
|-----|---|-----|----|-------|---------------|

T51(2") Thread

Guide Tube



Guide Tube with threads T51

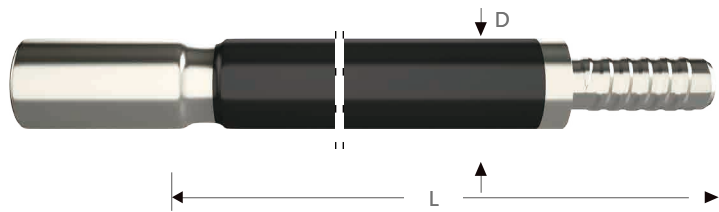


| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 1525 | 5 | - | 76 | 3 | 2276T51MF15 |
| 1830 | 6 | - | 76 | 3 | 2276T51MF18 |
| 3660 | 12 | - | 76 | 3 | 2276T51MF36 |
| 3660 | 12 | - | 87 | 3 1/2 | 2287T51MF36 |

Drill Tube



Drill Tube with threads T51


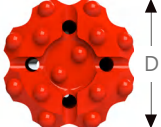



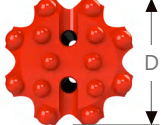

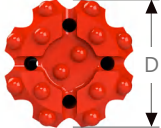


| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|-------------|
| mm | ft | in | mm | in | |
| 1525 | 5 | - | 76 | 3 | 2476T51MF15 |
| 1830 | 6 | - | 76 | 3 | 2476T51MF18 |

Bench & long
hole drilling

Bench & long hole Drilling

ST58 (2 1/4")
Thread

| Button bit | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|---|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|---------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|   | 89 | 3 1/2 | 4×10 | – | 6×12 | 8×14 | 35° | M | 3089ST5814D |
| | 102 | 4 | 4×11 | – | 6×12 | 8×14 | 35° | M | 30102ST5814D |
|   | 89 | 3 1/2 | 2×14 | – | 6×12 | 8×14 | 35° | H | 3089ST5814 |
| | 102 | 4 | 2×15 | – | 6×13 | 8×14 | 35° | H | 30102ST5814 |
|   | 89 | 3 1/2 | 2×11 | 2×9 | 6×12 | 8×14 | 35° | H | 3089ST58F14R |
| | 102 | 4 | 2×12 | 2×9 | 6×12 | 8×14 | 35° | H | 30102ST58F14R |
|   | 89 | 3 1/2 | 4×10 | – | 6×12 | 8×14 | 35° | M | 3089ST5814DR |
| | 102 | 4 | 4×11 | – | 6×12 | 8×14 | 35° | M | 30102ST5814DR |

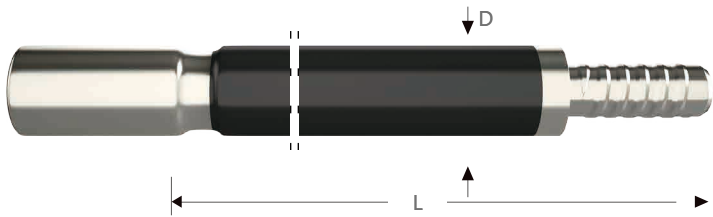
Bench & long
hole drilling

ST58(2 1/4") Thread

Drill Tube



Drill Tube with threads ST58



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|-------------|
| mm | ft | in | mm | in | |
| 1525 | 5 | - | 76 | 3 | 2476T58MF15 |
| 1830 | 6 | - | 76 | 3 | 2476T58MF18 |

Bench & long
hole drilling

Bench & long hole Drilling

GT60 (2 3/5")
Thread

Button bit

| Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--------------|----|--------------------|---------------|---------------|---------------|-------|-------|----------|
| mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |



| | | | | | | | | |
|-----|---|------|---|------|------|-----|---|-------------|
| 102 | 4 | 4×11 | – | 6×13 | 8×14 | 35° | H | 30102T6014D |
|-----|---|------|---|------|------|-----|---|-------------|



| | | | | | | | | |
|-----|-------|------|---|------|------|-----|---|-------------|
| 115 | 4 1/2 | 3×13 | – | 7×14 | 9×16 | 35° | H | 30115T6016D |
|-----|-------|------|---|------|------|-----|---|-------------|

Bench & long
hole drilling



| | | | | | | | | |
|-----|-------|------|---|------|------|-----|---|-------------|
| 92 | 3 5/8 | 3×11 | – | 6×12 | 9×12 | 35° | H | 3092T60F15 |
| 115 | 4 1/2 | 3×13 | – | 6×14 | 9×16 | 35° | H | 30115T60F15 |



| | | | | | | | | |
|-----|---|------|---|------|------|-----|---|-------------|
| 127 | 5 | 3×14 | – | 9×14 | 9×16 | 35° | H | 30127T6018D |
|-----|---|------|---|------|------|-----|---|-------------|



| | | | | | | | | |
|-----|---|------|---|-------|------|-----|---|------------|
| 127 | 5 | 3×14 | – | 10×14 | 9×16 | 35° | H | 30127T6019 |
|-----|---|------|---|-------|------|-----|---|------------|






| | | | | | | | | |
|-----|---|------|---|------|------|-----|---|--------------|
| 102 | 4 | 4×11 | – | 6×13 | 8×14 | 35° | H | 30102T6014DR |
|-----|---|------|---|------|------|-----|---|--------------|



| | | | | | | | | |
|-----|-------|------|---|------|------|-----|---|--------------|
| 115 | 4 1/2 | 3×13 | – | 7×14 | 9×16 | 35° | H | 30115T6016DR |
|-----|-------|------|---|------|------|-----|---|--------------|

GT60 (2 3/5") Thread

Button bit

| | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. |
|--|--------------|-------|--------------------|---------------|---------------|---------------|-------|-------|--------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | |
|  | 92 | 3 5/8 | 3×11 | – | 6×12 | 9×12 | 35° | H | 3092T60F15R |
| | 115 | 4 1/2 | 3×13 | – | 6×14 | 9×16 | 35° | H | 30115T60F15R |
|  | 127 | 5 | 3×14 | – | 9×14 | 9×16 | 35° | H | 30127T6018DR |
|  | 127 | 5 | 3×14 | – | 10×14 | 9×16 | 35° | H | 30127T6019R |

Bench & long
hole drilling

Drill rod

Rod Ø60 with threads GT60/GT60



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 3660 | 12 | – | 60 | 2 3/5 | 2060T60MF36 |
| 4270 | 14 | – | 60 | 2 3/5 | 2060T60MF42 |
| 6100 | 20 | – | 60 | 2 3/5 | 2060T60MF61 |

Bench & long hole Drilling

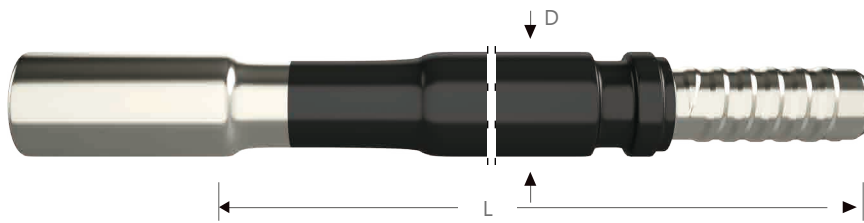
GT60 (2 3/5")
Thread

Guide Tube



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|----------|
| mm | ft | in | mm | in | |

Guide Tube with threads GT60



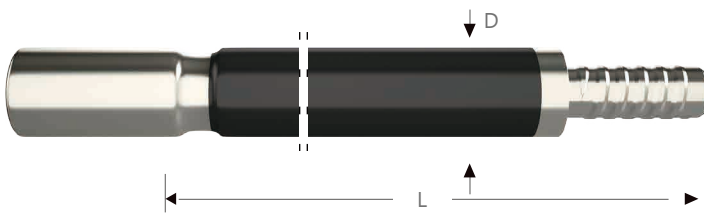
| | | | | | |
|------|----|---|----|-------|-------------|
| 3660 | 12 | - | 87 | 3 1/2 | 2287T60MF36 |
| 4270 | 14 | - | 87 | 3 1/2 | 2287T60MF42 |
| 6095 | 20 | - | 87 | 3 1/2 | 2287T60MF60 |

Drill Tube



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|----|----------|
| mm | ft | in | mm | in | |

Drill Tube with threads GT60

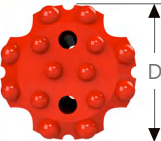





| | | | | | |
|------|----|---|----|-------|-------------|
| 3660 | 12 | - | 87 | 3 1/2 | 2487T60MF36 |
| 4270 | 14 | - | 87 | 3 1/2 | 2487T60MF42 |

Bench & long
hole drilling

ST68 (2 3/4") Thread

Button bit

| | Dimensions D | | Flushing hole (mm) | | Buttons (mm) | | Angle | Class | Part no. | |
|---|---|-----|--------------------|------------------|------------------|------------------|-------|-------|----------|---------------|
| | mm | in | Front No size | Gauge No size | Front No size | Gauge No size | | | | |
|  |  | 102 | 4 | 2×14 | 2×10 | 6×12 | 8×14 | 35° | H | 30102ST6814 |
|  |  | 115 | 4 1/2 | 3×13 | - | 7×14 | 9×16 | 35° | H | 30115ST68F16 |
| | | 127 | 5 | 3×14 | - | 10×14 | 9×16 | 35° | H | 30127ST68F19 |
|  |  | 115 | 4 1/2 | 3×13 | 2×9 | 6×14 | 9×16 | 35° | H | 30115ST6815DR |
| | | 127 | 5 | 3×14 | 2×9 | 9×14 | 9×16 | 35° | H | 30127ST6818DR |
|  |  | 115 | 4 1/2 | 3×13 | - | 6×14 | 9×16 | 35° | H | 30115ST6815R |
| | | 127 | 5 | 3×14 | - | 10×14 | 9×16 | 35° | H | 30127ST6819R |

Bench & long
hole drilling

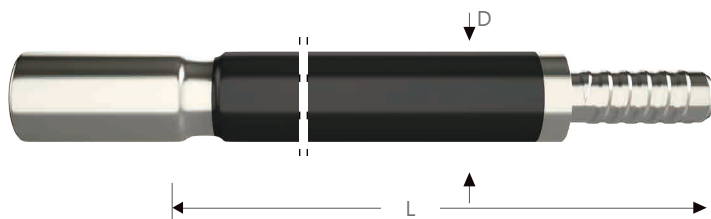
Bench & long hole Drilling

ST68(2 3/4")
Thread

Drill Tube



Drill Tube with threads ST68



| Dimensions L | | | Dimensions D | | Part no. |
|--------------|----|----|--------------|-------|-------------|
| mm | ft | in | mm | in | |
| 1525 | 5 | - | 87 | 3 1/2 | 2487T68MF15 |
| 1830 | 6 | - | 87 | 3 1/2 | 2487T68MF18 |

Auxiliary
Tools



Fishing tools

63

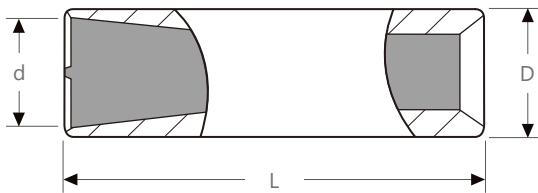
Knock-off tools

64

Auxiliary Tools

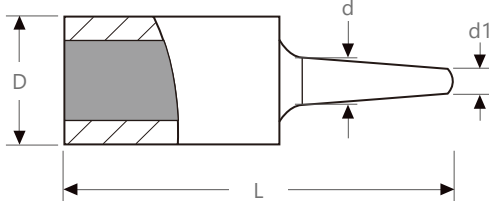
Fishing tools

Fishing sleeve



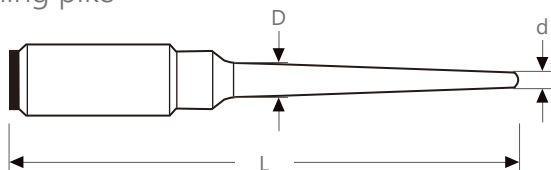
| Thread | Dimensions | | | | Part no. |
|--------|------------|-----|----|----|------------|
| | L | D | d | d1 | |
| R32 | 155 | 48 | 42 | - | 404832RF |
| T35 | 138 | 48 | 40 | - | 404835TF |
| T38 | 175 | 60 | 52 | - | 406038TF |
| T38L | 355 | 61 | 52 | - | 406138TLF |
| BT T45 | 205 | 70 | 62 | - | 407045TF |
| T51 | 260 | 78 | 70 | - | 407851TF |
| T51L | 422 | 82 | 76 | - | 408251TLF |
| ST58 | 250 | 88 | 82 | - | 408858STF |
| ST68 | 290 | 100 | 91 | - | 4010068STF |

Fishing pike



| | | | | | |
|---------|-----|----|----|----|-------------|
| R32 | 150 | 46 | 16 | 4 | 414632RF |
| R35 | 165 | 52 | 16 | 4 | 415235RF |
| T35 | 160 | 48 | 16 | 4 | 414835TF |
| T38 | 175 | 60 | 22 | 9 | 416038TF |
| T38L | 205 | 59 | 28 | 7 | 415938TLF |
| PFT T45 | 205 | 63 | 27 | 15 | 416345TF |
| T45/2 | 270 | 63 | 25 | 5 | 416345TF-2 |
| T51 | 225 | 72 | 29 | 14 | 417251TF |
| ST58 | 270 | 78 | 40 | 20 | 417858STF |
| ST68 | 350 | 93 | 54 | 20 | 419368STF |
| ST68A | 385 | 93 | 82 | 40 | 419368STF-A |

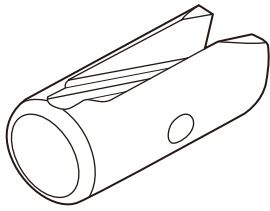
Fishing pike



| | | | | | |
|----------|-----|----|----|---|----------|
| PFT T38M | 290 | 20 | 8 | - | 412038TM |
| T45M | 300 | 24 | 10 | - | 412445TM |
| T51M | 310 | 26 | 11 | - | 412651TM |

Knock-off tools

Knock-off tool for tapered bits



| | Dimensions L | | | Dimensions D | | Part no. |
|--------|--------------|----|----|--------------|----|----------|
| | mm | ft | in | mm | in | |
| Hex 22 | - | - | - | - | - | |
| - | - | - | - | - | - | |

Weight table & Index

| Part no. | Weight (kg) | Page no. | | | | | |
|-----------|-------------|-------------|-------------|-------------|-----------|-------------|------|
| 01220231 | 1.09 | 14 | 313422-06 | 0.22 | 16 | 314125-07 | 0.27 |
| 01220232 | 1.25 | | 313425-06 | 0.24 | | 314325-07 | 0.29 |
| 01220251 | 1.15 | | 313622-06 | 0.23 | | 30322207-07 | 0.25 |
| 01220252 | 1.15 | | 313625-06 | 0.24 | | 30342207-07 | 0.30 |
| 01220301 | 1.29 | | 313822-06 | 0.24 | | 30342208-07 | 0.31 |
| 01220302 | 1.50 | | 313825-06 | 0.25 | | 30362207-07 | 0.33 |
| 01220351 | 1.43 | | 314022-06 | 0.25 | | 30362208-07 | 0.34 |
| 01220352 | 1.75 | | 314025-06 | 0.26 | | 30362507-07 | 0.35 |
| 01220401 | 1.57 | | 30322207-06 | 0.25 | | 30382207-07 | 0.35 |
| 01220402 | 2.00 | | 30342207-06 | 0.30 | | 30382208-07 | 0.36 |
| 01220501 | 1.84 | | 30342208-06 | 0.31 | | 30382507-07 | 0.37 |
| 01220502 | 2.50 | | 30362207-06 | 0.33 | | 30412207-07 | 0.45 |
| | | | 30362208-06 | 0.34 | | 30412208-07 | 0.46 |
| | | | 30362507-06 | 0.35 | | 30412507-07 | 0.46 |
| | | 30382207-06 | 0.35 | 30432507-07 | 0.50 | | |
| | | 30382208-06 | 0.36 | | | | |
| | | 30382507-06 | 0.37 | 10220607 | 2.10 | | |
| 00220434 | 1.80 | 15 | 30402208-06 | 0.38 | 10220807 | 2.70 | |
| 00220635 | 2.40 | | 30412207-06 | 0.45 | 10221207 | 4.05 | |
| 00220641 | 2.40 | | 30412507-06 | 0.47 | 10221607 | 5.20 | |
| 00220833 | 2.90 | | 30432507-06 | 0.50 | 10222407 | 7.75 | |
| 00220834 | 2.90 | | 10220606 | 2.10 | 10223207 | 10.25 | |
| 00220840 | 3.00 | | 10220806 | 2.70 | 10224007 | 10.70 | |
| 00221232 | 4.20 | | 10221206 | 4.05 | 10250807 | 5.70 | |
| 00221234 | 4.20 | | 10221606 | 5.20 | 10251607 | 8.30 | |
| 00221240 | 4.20 | | 10222406 | 7.75 | 10252407 | 10.90 | |
| 00221631 | 5.40 | | 10223206 | 10.25 | 10253207 | 13.60 | |
| 00221633 | 5.30 | | 10224006 | 10.70 | 10254007 | 17.50 | |
| 00221639 | 5.40 | | 10250806 | 5.70 | | | |
| 00221833 | 6.00 | | 10251606 | 8.30 | 313022-11 | 0.20 | |
| 00221839 | 6.00 | | 10222406 | 7.75 | 313025-11 | 0.21 | |
| 00222030 | 6.50 | | 10223206 | 10.25 | 313222-11 | 0.21 | |
| 00223231 | 10.30 | | 10224006 | 10.70 | 313225-11 | 0.22 | |
| 00223237 | 10.00 | | 10250806 | 5.70 | 313422-11 | 0.22 | |
| 00222432 | 7.90 | | 10251606 | 8.30 | 313425-11 | 0.23 | |
| 00222438 | 7.80 | | 10252406 | 10.90 | 313622-11 | 0.23 | |
| 00224030 | 12.50 | | 10253206 | 13.60 | 313625-11 | 0.24 | |
| 00224036 | 12.70 | 10254006 | 17.50 | 313822-11 | 0.24 | | |
| 00224829 | 14.90 | | | 313825-11 | 0.25 | | |
| 00224835 | 15.10 | | | 314022-11 | 0.25 | | |
| | | | | 314025-11 | 0.26 | | |
| | | | | 30342207-11 | 0.25 | | |
| | | | | 30342208-11 | 0.25 | | |
| 313022-06 | 0.20 | 16 | 313022-07 | 0.20 | 18 | | |
| 313025-06 | 0.21 | | 313222-07 | 0.21 | | | |
| 313222-06 | 0.21 | | 313422-07 | 0.22 | | | |
| 313225-06 | 0.22 | | 313622-07 | 0.23 | | | |
| | | | 313625-07 | 0.24 | | | |
| | | | 313822-07 | 0.24 | | | |
| | | | 313825-07 | 0.25 | | | |
| | | | 314022-07 | 0.25 | | | |

| Part no. | Weight (kg) | Page no. | | | | | | |
|-------------|-------------|-----------|-------------|-------------|---------------|---------------|-------|----|
| 30362207-11 | 0.27 | 20 | 30382507-12 | 0.30 | 22 | 2125R2531 | 12.70 | 29 |
| 30362208-11 | 0.28 | | 30402207-12 | 0.30 | | 2125R25MF15 | 5.00 | |
| 30362507-11 | 0.29 | | 30412507-12 | 0.33 | | 2125R25MF18 | 5.50 | |
| 30382207-11 | 0.29 | | 30432507-12 | 0.43 | | MX-R253414 | 1.00 | |
| 30382208-11 | 0.30 | | 30452208-12 | 0.48 | | MX-R25R324517 | 1.50 | |
| 30382507-11 | 0.31 | | 23 | 10220612 | 2.20 | 3038R2807 | 0.45 | 30 |
| 30412207-11 | 0.32 | | | 10221212 | 4.00 | 3041R2807 | 0.65 | |
| 30412507-11 | 0.32 | | | 10221812 | 5.90 | 3041R2808 | 0.70 | |
| 30412208-11 | 0.33 | | | 10222012 | 6.40 | 3043R2807 | 0.70 | |
| 30432507-11 | 0.43 | 10222412 | | 7.70 | 3043R2809 | 0.70 | | |
| 10220611 | 2.20 | 10223012 | | 9.60 | 3045R2807 | 0.70 | | |
| 10221211 | 4.00 | 10223212 | | 10.00 | 3045R2809 | 0.70 | | |
| 10221811 | 5.90 | 10223612 | 11.40 | 3040R2806KP | 2.00 | | | |
| 10222011 | 6.40 | 21 | 3033R2507 | 0.40 | 3076R2815KD | 2.20 | | |
| 10222411 | 7.70 | | 3033R2508 | 0.40 | 3076R2808KR | 2.86 | | |
| 10223011 | 9.60 | | 3035R2507 | 0.45 | 2128R32R2828 | 14.10 | | |
| 10223211 | 10.00 | | 3038R2507 | 0.49 | 2128R32R2831 | 15.80 | | |
| 10223611 | 11.40 | | 3041R2507 | 0.55 | 2128R32R2837 | 19.20 | | |
| 313022-12 | 0.20 | | 3041R2508 | 0.55 | 2132R32R2843 | 23.00 | | |
| 313025-12 | 0.21 | | 3043R2507 | 0.50 | MX-R283716 | 1.20 | | |
| 313222-12 | 0.21 | | 3045R2507 | 0.75 | MX-R28R324517 | 1.40 | | |
| 313225-12 | 0.22 | 28 | 3043R2509 | 0.75 | 3043R3208 | 0.70 | | |
| 313422-12 | 0.22 | | 3045R2509 | 0.80 | 3043R3209 | 0.65 | | |
| 313425-12 | 0.23 | | 3038R25F08 | 0.49 | 3045R3207 | 0.75 | | |
| 313622-12 | 0.23 | | 3040R2506KP | 1.90 | 3045R3208 | 0.80 | | |
| 313625-12 | 0.24 | | 3076R2508KR | 0.95 | 3045R3209 | 0.75 | | |
| 313822-12 | 0.24 | | 1022R2502 | 1.20 | 3048R3207 | 0.80 | | |
| 313825-12 | 0.25 | | 1022R2515 | 5.70 | 3048R3208 | 0.90 | | |
| 314022-12 | 0.25 | | 1022R2524 | 8.00 | 3048R3209 | 0.80 | | |
| 314025-12 | 0.26 | 1022R2532 | 10.40 | 3051R3207 | 0.90 | | | |
| 30322207-12 | 0.20 | 1022R2540 | 13.00 | 3054R3209 | 1.00 | | | |
| 30322208-12 | 0.21 | 1025R2502 | 1.20 | 3045R32F09 | 0.62 | | | |
| 30332207-12 | 0.22 | 1025R2515 | 5.70 | 3048R32F09 | 0.72 | | | |
| 30342208-12 | 0.25 | 1025R2524 | 9.30 | 3051R32F09 | 0.80 | | | |
| 30352207-12 | 0.25 | 1025R2532 | 11.50 | 3054R32F09 | 0.95 | | | |
| 30362207-12 | 0.27 | 2125R2522 | 8.80 | 3057R32F09 | 1.20 | | | |
| 30362507-12 | 0.28 | 2125R2524 | 10.20 | 3064R32F09 | 1.50 | | | |
| 30382207-12 | 0.28 | 2125R2526 | 10.70 | 3064R3210D | 1.50 | | | |
| 30382208-12 | 0.29 | 2125R2528 | 11.20 | 3076R32F14 | 2.10 | | | |
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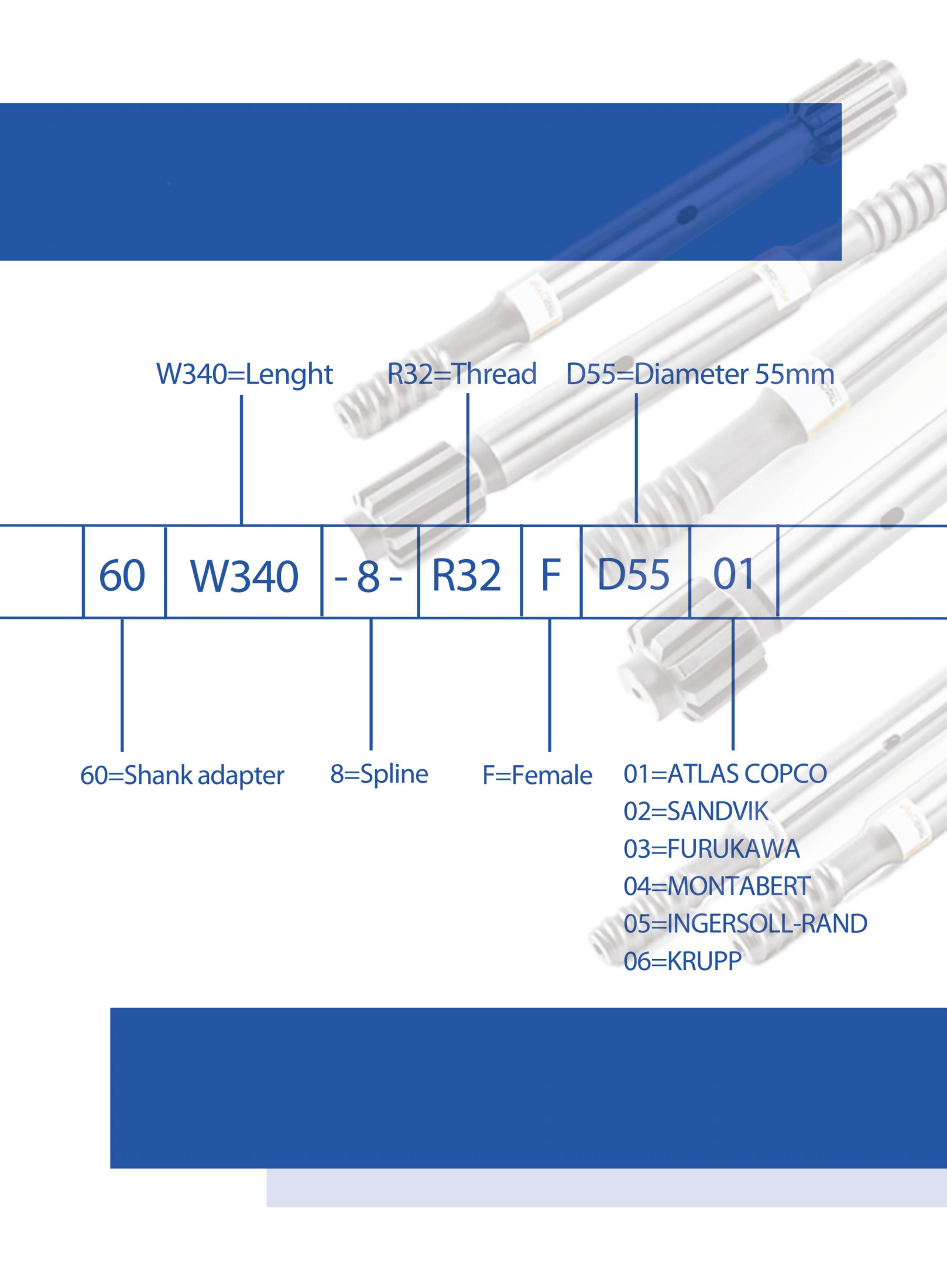
Weight table & Index

| Part no. | Weight (kg) | Page no. | | | | | | |
|--------------|-------------|------------|---------------|--------------|---------------|-------------|-------|----|
| 3041R3206KP | 2.20 | 33 | MX-R32R284517 | 1.40 | 35 | 3070T3812R | 2.80 | |
| 3051R32F09R | 1.30 | | MX-R35R324517 | 1.50 | | 3076T3812R | 2.70 | |
| 3054R32F09R | 1.60 | | MX-R38R325518 | 2.10 | | 3064T3810DR | 2.10 | |
| 3057R32F09R | 1.90 | | MX-T38R325518 | 2.20 | | 3070T3813DR | 2.70 | |
| 3064R32F09R | 2.20 | | 2245R32MF12 | 10.00 | 3076T3813DR | 3.20 | 43 | |
| 3064R3210DR | 2.00 | | 2245R32MF18 | 14.00 | 3089T38F14R | 5.50 | | |
| 3076R3215KD | 2.10 | | 2245R32MF30 | 23.00 | 3089T3814DR | 5.10 | | |
| 3089R3212KR | 2.10 | | 3048R3507 | 0.80 | 3089T3815KD | 3.30 | | |
| 3089R3215KD | 2.30 | | 3051R3507 | 0.90 | 30102T3815KD | 5.40 | | |
| 30102R3212KR | 3.50 | | 3048R35F09 | 0.80 | 30127T3817KD | 7.70 | | |
| 30102R3215KD | 3.70 | 3051R35F09 | 0.95 | 30127T3818KC | 8.00 | | | |
| 1025R3218 | 4.00 | 34 | 3054R35F09 | 1.20 | 37 | 2038T3830 | 24.70 | |
| 1025R3224 | 6.30 | | 3054R35F09R | 1.40 | | 2038T3836 | 29.40 | |
| 1025R3229 | 8.50 | | 3057R35F09 | 1.40 | | 2038T3842 | 34.70 | |
| 1025R3230 | 12.50 | | 3057R35F09R | 1.60 | | 2038T3848 | 39.70 | |
| 2032R3218 | 8.00 | | 3041R3506KP | 2.20 | | 2038T3854 | 44.60 | |
| 2032R3224 | 11.50 | | 3076R3515KD | 2.10 | | 2132T3830 | 18.40 | |
| 2032R3229 | 16.20 | | 3089R3512KR | 2.10 | | 2132T3836 | 22.10 | |
| 2032R3230 | 19.50 | | 3089R3515KD | 2.30 | | 2038T38MF09 | 8.00 | |
| 2032R32MF31 | 12.90 | | 30102R3512KR | 3.50 | | 2038T38MF12 | 9.70 | 44 |
| 2032R32MF37 | 17.40 | | 30102R3515KD | 3.70 | | 2038T38MF15 | 13.30 | |
| 2032R32MF43 | 20.60 | | 2135T38R3543 | 33.30 | 2038T38MF18 | 16.00 | | |
| 2032R32MF49 | 28.00 | | 2135T38R3549 | 36.80 | 2038T38MF24 | 21.30 | | |
| 2132R38R3231 | 19.70 | | 2135T38R3555 | 41.40 | 2038T38MF30 | 25.90 | | |
| 2132R38R3237 | 23.30 | | MX-R354816 | 1.20 | 2038T38MF36 | 30.70 | | |
| 2132R38R3243 | 27.00 | | MX-R35R324817 | 1.50 | MX-T385519 | 2.00 | | |
| 2132R38R3249 | 30.90 | | 3064T3812 | 1.40 | MX-T38R325518 | 2.20 | | |
| 2132T38R3231 | 19.70 | | 3070T3812 | 2.00 | MX-T38T456621 | 3.40 | | |
| 2132T38R3237 | 23.30 | | 3076T3812 | 2.30 | 2256T38MF12 | 13.00 | | |
| 2132T38R3243 | 27.00 | | 3089T3813 | 3.30 | 2256T38MF15 | 16.00 | | |
| 2132T38R3249 | 30.90 | | 3064T38F09 | 1.60 | 2256T38MF18 | 20.00 | 45 | |
| 2135R38R3231 | 23.90 | | 3064T3810D | 1.40 | 2256T38MF30 | 33.20 | | |
| 2135T38R3231 | 23.90 | | 3070T3813D | 1.95 | 2256T38MF36 | 39.80 | | |
| 2135R38R3237 | 28.50 | | 3076T38F12 | 2.30 | 3070T4512 | 2.10 | | |
| 2135T38R3237 | 28.50 | | 3076T3813D | 2.35 | 3076T4512 | 2.60 | | |
| 2135R38R3243 | 33.20 | | 3089T3814D | 3.25 | 3089T4513 | 3.80 | | |
| 2135T38R3243 | 33.20 | | 3064T38F09R | 2.10 | 30102T4514 | 4.40 | 46 | |
| 2135R38R3249 | 36.70 | | 3264T38 | 1.90 | 3070T4513D | 2.00 | | |
| 2135T38R3249 | 36.70 | | 3276T38 | 2.50 | 3070T4512R | 2.80 | | |
| 2135R38R3255 | 41.30 | 3064T3812R | 2.00 | 3076T4513D | 2.25 | | | |
| 2135T38R3255 | 41.30 | | | | | | | |
| MX-R324516 | 1.00 | 35 | | | | | | |

| Part no. | Weight (kg) | Page no. | | | | | | |
|---------------|-------------|---------------|--------------|---------------|--------------|-------------|-------|----|
| 3076T4512R | 3.30 | 46 | 3089T5114D | 3.20 | 50 | 2476T58MF15 | 34.00 | 55 |
| 3089T4514D | 3.60 | | 30102T5114D | 4.90 | | 2476T58MF18 | 40.00 | |
| 3089T45F14R | 5.60 | | 30115T5114D | 6.60 | | 30127T6019 | 11.20 | 56 |
| 30115T4514D | 6.60 | | 30115T51F14 | 6.60 | | 3092T60F15 | 5.20 | |
| 3076T4513DR | 3.60 | | 30127T5118D | 8.90 | | 30102T6014D | 8.20 | |
| 30102T4514D | 4.40 | | 30127T5118R | 8.50 | | 30115T6016D | 9.80 | |
| 30102T45F14R | 7.60 | | 3089T51F14R | 4.70 | 30115T60F15 | 9.80 | | |
| 30115T45F14 | 6.60 | | 30102T51F14R | 7.10 | 30127T6018D | 11.20 | | |
| 30115T45F14R | 9.70 | | 30115T51F14R | 10.10 | 30102T6014DR | 8.90 | 57 | |
| 3089T4514DR | 5.20 | | 3089T5114DR | 4.90 | 30115T6016DR | 11.80 | | |
| 30102T4514DR | 7.50 | | 30102T5114DR | 7.10 | 2060T60MF36 | 73.00 | | |
| 30115T4514DR | 9.70 | | 30115T5114DR | 13.00 | 2060T60MF42 | 82.00 | | |
| 3276T45 | 3.20 | 30127T5118DR | 12.70 | 2060T60MF61 | 110.00 | | | |
| 3289T45 | 3.30 | 30152T5122KD | 9.50 | 3092T60F15R | 6.10 | | | |
| 2045T4530 | 34.10 | 2051T5136 | 49.60 | 30115T60F15R | 11.80 | 58 | | |
| 2045T4536 | 41.00 | 2051T5142 | 58.10 | 30127T6018DR | 14.20 | | | |
| 2045T4542 | 48.10 | 2051T5161 | 82.90 | 30127T6019R | 14.20 | | | |
| 2045T4548 | 54.90 | 2051T51MF15 | 22.00 | 2287T60MF36 | 91.00 | | | |
| 2045T4561 | 68.90 | 2051T51MF18 | 26.40 | 2287T60MF42 | 106.00 | | | |
| 2045T45MF15 | 18.40 | 2051T51MF36 | 52.80 | 2287T60MF60 | 150.00 | | | |
| 2045T45MF18 | 22.10 | 2051T51MF42 | 61.60 | 2487T60MF36 | 89.00 | 59 | | |
| 2045T45MF30 | 36.10 | MX-T517223 | 4.40 | 2487T60MF42 | 104.00 | | | |
| 2045T45MF36 | 43.30 | MX-T517723 | 5.50 | 30102ST6814 | 5.80 | | | |
| 2045T45MF42 | 50.20 | MX-T51T457224 | 5.00 | 30115ST68F16 | 7.80 | | | |
| 30127T4517KD | 7.70 | 2276T51MF15 | 33.00 | 30115ST6815R | 9.30 | | | |
| 30127T4518KC | 8.80 | 2276T51MF18 | 40.00 | 30127ST68F19 | 10.20 | | | |
| MX-T456620 | 3.40 | 2276T51MF36 | 79.00 | 30127ST6819R | 11.90 | 60 | | |
| MX-T45T386621 | 3.40 | 2287T51MF36 | 89.00 | 30115ST6815DR | 9.20 | | | |
| MX-T45T517224 | 5.00 | 2476T51MF15 | 33.00 | 30127ST6818DR | 11.80 | | | |
| 2264T45MF15 | 21.00 | 2476T51MF18 | 40.00 | 2487T68MF15 | 36.00 | | | |
| 2264T45MF18 | 25.50 | 2276T51MF36 | 79.00 | 2487T68MF18 | 42.00 | | | |
| 2264T45MF36 | 49.00 | 2287T51MF36 | 89.00 | | | | | |
| 2276T45MF18 | 40.00 | 2276T51MF15 | 33.00 | | | 54 | | |
| 2276T45MF36 | 78.00 | 2276T51MF18 | 40.00 | | | | | |
| 2464T45MF15 | 23.00 | 3089ST5814 | 4.00 | | | | | |
| 2464T45MF18 | 27.00 | 30102ST5814 | 5.00 | | | | | |
| | | 3089ST5814D | 3.90 | | | | | |
| | | 3089ST58F14R | 4.90 | | | | | |
| 3089T5114 | 3.50 | 30102ST5814D | 4.90 | | | 50 | | |
| 30102T5114 | 5.10 | 3089ST5814DR | 4.70 | | | | | |
| 30127T5119 | 8.70 | 30102ST5814DR | 7.40 | | | | | |
| | | 30102ST58F14R | 7.60 | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| Part no. | Weight (kg) | Page no. |
|-------------|-------------|----------|
| 404832RF | 1.60 | |
| 404835TF | 1.70 | |
| 406038TF | 4.00 | |
| 406138TLF | 7.80 | |
| 407045TF | 5.60 | |
| 407851TF | 8.00 | |
| 408251TLF | 12.50 | |
| 408858STF | 4.80 | |
| 4010068STF | 6.00 | |
| 412038TM | | |
| 412445TM | | |
| 412651TM | | 63 |
| 414632RF | | |
| 414835TF | | |
| 415235RF | | |
| 415938TLF | | |
| 416038TF | | |
| 416345TF | | |
| 416345TF-2 | | |
| 417251TF | | |
| 417858STF | | |
| 419368STF | | |
| 419368STF-A | | |





W340=Lenght

R32=Thread

D55=Diameter 55mm

| | | | | | | |
|----|------|-------|-----|---|-----|----|
| 60 | W340 | - 8 - | R32 | F | D55 | 01 |
|----|------|-------|-----|---|-----|----|

60=Shank adapter

8=Spline

F=Female

01=ATLAS COPCO

02=SANDVIK

03=FURUKAWA

04=MONTABERT

05=INGERSOLL-RAND

06=KRUPP



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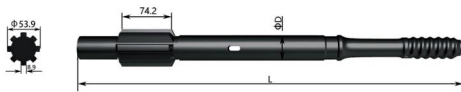
MONTABERT ————— 84

INGERSOLL-RAND ————— 87

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ATLAS COPCO

Atlas Copco COP 1036, COP 1038, COP 1238



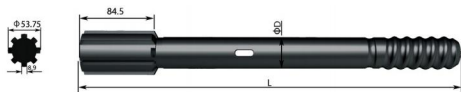
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| R32 | 38 | 575 | 4.6 | 6108114032 | 60W575-8-R32D3801 |
| R38 | 38 | 575 | 4.7 | 6108117034 | 60W575-8-R38D3801 |
| T38 | 38 | 575 | 4.9 | 6108122041 | 60W575-8-T38D3801 |
| R38 | 45 | 575 | 5.4 | 6108117036 | 60W575-8-R38D4501 |
| T38 | 45 | 575 | 5.4 | 6108122042 | 60W575-8-T38D4501 |
| T45 | 45 | 575 | 5.8 | 6108123044 | 60W575-8-T45D4501 |

Atlas Copco COP 1132



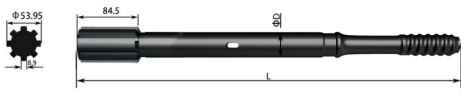
| | | | | | |
|------|----|-----|-----|------------|--------------------|
| R28 | 35 | 410 | 2.4 | 6108113048 | 60W410-8-R28D3501 |
| R32 | 35 | 410 | 2.6 | 6108114049 | 60W410-8-R32D3501 |
| TA35 | 35 | 410 | 2.6 | 6108121051 | 60W410-8-TA35D3501 |

Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 435 | 3.6 | 6108114069 | 60W435-8-R32D3801 |
| R38 | 38 | 435 | 3.9 | 6108117074 | 60W435-8-R38D3801 |
| T38 | 38 | 435 | 3.8 | 6108122073 | 60W435-8-T38D3801 |

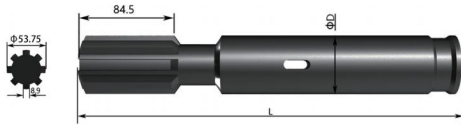
Atlas Copco COP 1440, COP 1550, COP 1638, COP 1838, COP 2238



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 525 | 4.2 | 6108114070 | 60W525-8-R32D3801 |
| R38 | 38 | 525 | 4.3 | 6108117071 | 60W525-8-R38D3801 |
| T38 | 38 | 525 | 4.3 | 6108122075 | 60W525-8-T38D3801 |

ATLAS COPCO

Atlas Copco COP 1432,COP 1532 Female



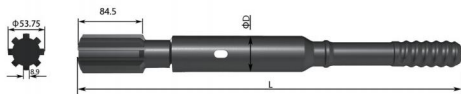
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|--------------------|
| R32 | 55 | 341 | 4.7 | 6108114081 | 60W341-8-R32FD5501 |
| R38 | 55 | 341 | 4.4 | 6108117082 | 60W341-8-R38FD5501 |
| T38 | 55 | 341 | 4.4 | 6108122618 | 60W341-8-T38FD5501 |

Atlas Copco COP 1838 MUX/HUX



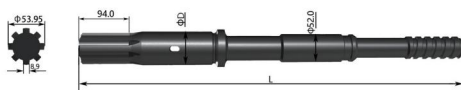
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|------|----|-----|-----|------------|--------------------|
| TA35 | 52 | 730 | 9.5 | 6108121088 | 60W730-8-TA35D5201 |
| T38 | 52 | 730 | 9.6 | 6108122089 | 60W730-8-T38D5201 |
| T45 | 52 | 730 | 9.9 | 6108123090 | 60W730-8-T45D5201 |

Atlas Copco Cop 1440,COP 1550, COP 1838, COP 1838 ME/HE



| | | | | | |
|------|----|-----|-----|------------|--------------------|
| R32 | 52 | 525 | 5.7 | 6108114076 | 60W525-8-R32D5201 |
| TA35 | 52 | 525 | 5.8 | 6108121077 | 60W525-8-TA35D5201 |
| T38 | 52 | 525 | 5.9 | 6108122078 | 60W525-8-T38D5201 |
| T45 | 52 | 525 | 6.1 | 6108123079 | 60W525-8-T45D5201 |
| T51 | 52 | 525 | 6.5 | 6108124080 | 60W525-8-T51D5201 |

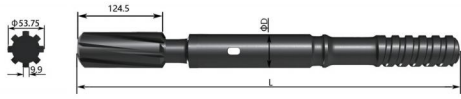
Atlas Copco COP 1550 EX,COP 1838 EX



| | | | | | |
|-----|----|-----|------|------------|-------------------|
| T38 | 60 | 730 | 9.8 | 6108122085 | 60W730-8-T38D6001 |
| T45 | 60 | 730 | 10.2 | 6108123086 | 60W730-8-T45D6001 |
| T51 | 60 | 730 | 10.4 | 6108124087 | 60W730-8-T51D6001 |

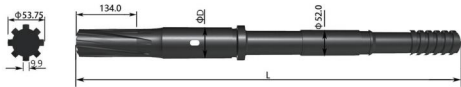
ATLAS COPCO

Atlas Copco COP 1840 HE, COP 1850



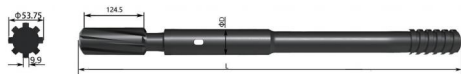
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T38 | 52 | 565 | 6.6 | 6108122092 | 60W565-8-T38D5201 |
| T45 | 52 | 565 | 6.8 | 6108123093 | 60W565-8-T45D5201 |
| T51 | 52 | 565 | 7.2 | 6108124094 | 60W565-8-T51D5201 |

Atlas Copco COP 1240 EX, 1640 EX, 1840 EX, 1850 EX, 2150 EX, 2540 EX, COP 2550 EX



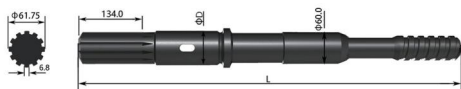
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|-----|----|-----|------|------------|-------------------|
| T45 | 60 | 770 | 10.8 | 6108123063 | 60W770-8-T45D6001 |
| T51 | 60 | 770 | 10.9 | 6108124064 | 60W770-8-T51D6001 |

Atlas Copco COP 2150



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T45 | 52 | 770 | 8.5 | 6108123619 | 60W770-8-T45D5201 |
| T51 | 52 | 770 | 9.9 | 6108124095 | 60W770-8-T51D5201 |

Atlas Copco COP 2160 EX, COP 2560 EX



| | | | | | |
|------|----|-----|------|------------|---------------------|
| T45 | 63 | 770 | 13.2 | 6112123100 | 60W770-12-T45D6301 |
| T51 | 63 | 770 | 13.3 | 6112124101 | 60W770-12-T51D6301 |
| MT60 | 63 | 770 | 14.0 | 6112125620 | 60W770-12-MT60D6301 |

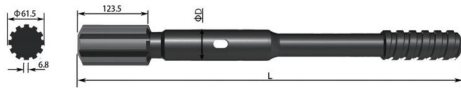
Atlas Copco COP 2550 UX



| | | | | | |
|-----|----|-----|------|------------|-------------------|
| T45 | 60 | 770 | 12.9 | 6108123065 | 60W770-8-T45D6001 |
| T51 | 60 | 770 | 13.1 | 6108124066 | 60W770-8-T51D6001 |

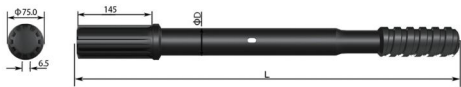
ATLAS COPCO

Atlas Copco COP 2160, COP 2560



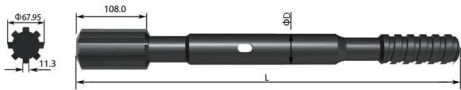
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|--------------------|
| T45 | 60 | 770 | 11.6 | 6112123097 | 60W770-12-T45D6001 |
| T51 | 60 | 770 | 11.0 | 6112124098 | 60W770-12-T51D6001 |

Atlas Copco COP 3060 MEX



| | | | | | |
|------|----|-----|------|------------|---------------------|
| MT60 | 60 | 840 | 16.7 | 6112125112 | 60W840-12-MT60D6001 |
|------|----|-----|------|------------|---------------------|

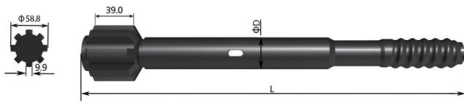
Atlas Copco COP 4050



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T51 | 52 | 605 | 8.9 | 6108124113 | 60W605-8-T51D5201 |
|-----|----|-----|-----|------------|-------------------|

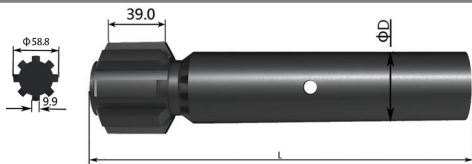
SANDVIK

Sandvik HL 300



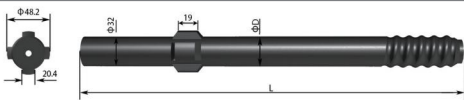
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| R32 | 32 | 400 | 2.6 | 6208114119 | 60W400-8-R32D3202 |

Sandvik HL 300 S Female



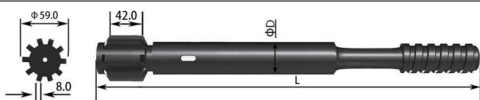
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|-----|----|-----|-----|------------|--------------------|
| R28 | 45 | 245 | 2.7 | 6208113621 | 60W245-8-R28FD4502 |
| R32 | 45 | 245 | 2.6 | 6208114120 | 60W245-8-R32FD4502 |

Sandvik L 400,L 410,L 500,L 510,L 550



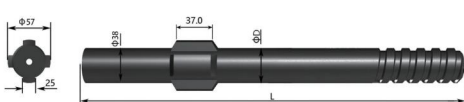
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 32 | 380 | 2.1 | 6204014236 | 60W380-4-R32D3202 |
|-----|----|-----|-----|------------|-------------------|

Sandvik RD 308,RD 314,RD 414



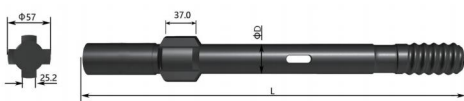
| | | | | | |
|------|----|-----|-----|------------|---------------------|
| TA35 | 38 | 410 | 4.0 | 6210121123 | 60W410-10-TA35D3802 |
|------|----|-----|-----|------------|---------------------|

Sandvik HLR 438 L,HLR 438 T



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 380 | 2.7 | 6204014230 | 60W380-4-R32D3802 |
| T38 | 38 | 400 | 3.3 | 6204022233 | 60W400-4-T38D3802 |

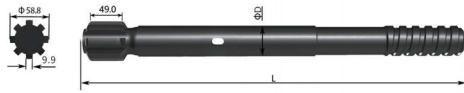
Sandvik HLR 438 LS,438 TS,HL 538, HL 538 L,L 550 S



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 450 | 3.7 | 6204114125 | 60W450-4-R32D3802 |
| R38 | 38 | 450 | 4.1 | 6204117126 | 60W450-4-R38D3802 |
| T38 | 38 | 455 | 4.0 | 6204122127 | 60W455-4-T38D3802 |

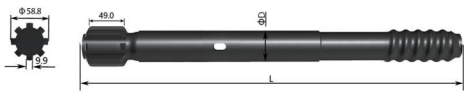
SANDVIK

Sandvik HL 500,HL 510



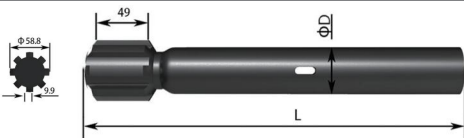
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| R32 | 45 | 550 | 5.4 | 6208114132 | 60W550-8-R32D4502 |
| T38 | 45 | 550 | 5.6 | 6208122134 | 60W550-8-T38D4502 |
| T45 | 45 | 550 | 5.9 | 6208123135 | 60W550-8-T45D4502 |

Sandvik HL 500 S,HL 510 S



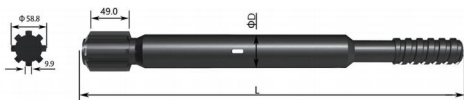
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 460 | 3.9 | 6208114136 | 60W460-8-R32D3802 |
| R38 | 38 | 460 | 4.2 | 6208117137 | 60W460-8-R38D3802 |
| T38 | 38 | 460 | 4.0 | 6208122138 | 60W460-8-T38D3802 |
| R38 | 38 | 500 | 4.4 | 6208117139 | 60W500-8-R38D3802 |
| T38 | 38 | 500 | 4.3 | 6208122140 | 60W500-8-T38D3802 |

Sandvik HL 500 F



| | | | | | |
|-----|----|-----|-----|------------|--------------------|
| R32 | 45 | 350 | 3.9 | 6208114612 | 60W350-8-R32FD4502 |
|-----|----|-----|-----|------------|--------------------|

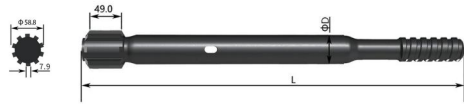
Sandvik HL 500,HL 500 S,HL 550 S,HL 560 S



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R38 | 45 | 500 | 5.2 | 6208117142 | 60W500-8-R38D4502 |
| T38 | 45 | 500 | 5.3 | 6208122143 | 60W500-8-T38D4502 |

SANDVIK

Sandvik HLX 5,HFX 5,RDX 5



| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|--------------------|
| R32 | 45 | 500 | 5.1 | 6210114145 | 60W500-10-R32D4502 |
| R38 | 45 | 500 | 5.3 | 6210117148 | 60W500-10-R38D4502 |
| T38 | 45 | 500 | 5.3 | 6210122147 | 60W500-10-T38D4502 |
| R32 | 45 | 575 | 5.4 | 6210114150 | 60W575-10-R32D4502 |
| T38 | 45 | 575 | 5.7 | 6210122152 | 60W575-10-T38D4502 |
| T45 | 45 | 575 | 6.2 | 6210123153 | 60W575-10-T45D4502 |

Sandvik RD 520,RD 525



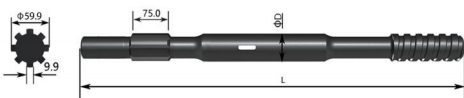
| | | | | | |
|-----|----|-----|-----|------------|--------------------|
| T38 | 45 | 525 | 5.6 | 6210122168 | 60W525-10-T38D4502 |
|-----|----|-----|-----|------------|--------------------|

Sandvik HL 600,HL 600 S



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 525 | 5.5 | 6208122179 | 60W525-8-T38D4502 |
| T45 | 45 | 525 | 5.8 | 6208123180 | 60W525-8-T45D4502 |
| T38 | 45 | 600 | 5.9 | 6208122181 | 60W600-8-T38D4502 |
| T45 | 45 | 600 | 6.5 | 6208123182 | 60W600-8-T45D4502 |

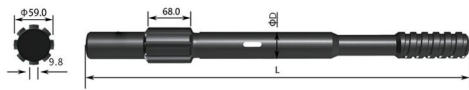
Sandvik HL 600



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T45 | 52 | 650 | 7.6 | 6208123183 | 60W650-8-T45D5202 |
| T51 | 52 | 650 | 8.1 | 6208124184 | 60W650-8-T51D5202 |

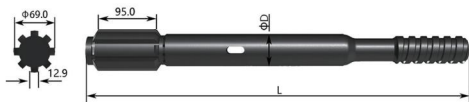
SANDVIK

Sandvik HL 645, HL 645 S



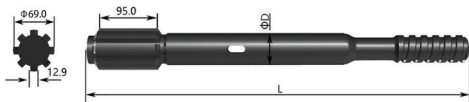
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T38 | 45 | 600 | 6.6 | 6208122622 | 60W600-8-T38D4502 |
| T45 | 45 | 600 | 6.9 | 6208123185 | 60W600-8-T45D4502 |

Sandvik HL 650, HL 700, HL 700 T, HL 710, HL 800 T



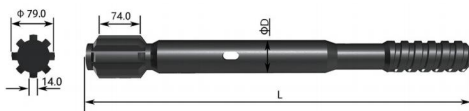
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 600 | 7.0 | 6208122186 | 60W600-8-T38D4502 |
| T45 | 45 | 600 | 7.2 | 6208123187 | 60W600-8-T45D4502 |

Sandvik HL 650, HL 700, HL 700 PE, HL 700 S, HL 710, HL 710 S, HL 710 PE, HL 710 SPE, HL 800 T, HL 800 PE



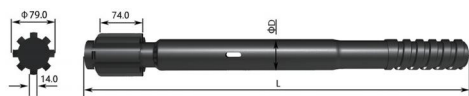
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 52 | 600 | 8.0 | 6208122188 | 60W600-8-T38D5202 |
| T45 | 52 | 600 | 8.5 | 6208123189 | 60W600-8-T45D5202 |
| T51 | 52 | 600 | 8.5 | 6208124190 | 60W600-8-T51D5202 |

Sandvik HL 1000, HL 1000 S



| | | | | | |
|-----|----|-----|------|------------|-------------------|
| T45 | 52 | 590 | 8.9 | 6208123191 | 60W590-8-T45D5202 |
| T51 | 52 | 590 | 9.3 | 6208124192 | 60W590-8-T51D5202 |
| T45 | 52 | 670 | 9.7 | 6208123193 | 60W670-8-T45D5202 |
| T51 | 52 | 670 | 10.0 | 6208124194 | 60W670-8-T51D5202 |

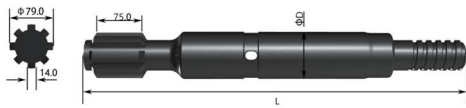
Sandvik HL 1000, HL 1010



| | | | | | |
|------|----|-----|------|------------|--------------------|
| T51 | 60 | 670 | 12.0 | 6208124195 | 60W670-8-T51D6002 |
| ST58 | 60 | 670 | 12.8 | 6208134196 | 60W670-8-ST58D6002 |
| MG60 | 60 | 670 | 13.0 | 6208126197 | 60W670-8-MG60D6002 |

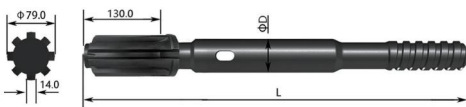
SANDVIK

Sandvik HL 1000,HL 1010



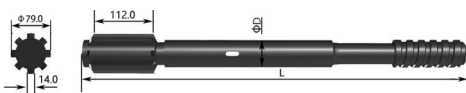
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|--------------------|
| ST58 | 80 | 635 | 17.0 | 6208134199 | 60W635-8-ST58D8002 |
| ST68 | 80 | 640 | 18.8 | 6208135200 | 60W640-8-ST68D8002 |

Sandvik HL 1000 PE,HL 1500 PE, HL 1560 T



| | | | | | |
|------|----|-----|------|------------|--------------------|
| T51 | 65 | 760 | 16.0 | 6208124202 | 60W760-8-T51D6502 |
| ST58 | 65 | 760 | 16.8 | 6208134205 | 60W760-8-ST58D6502 |
| MG60 | 65 | 760 | 17.0 | 6208126206 | 60W760-8-MG60D6502 |

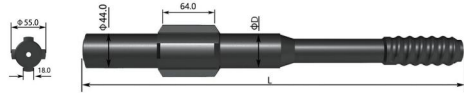
Sandvik HL 1500,HL 1500 T



| | | | | | |
|------|----|-----|------|------------|--------------------|
| T51 | 60 | 760 | 13.0 | 6208124211 | 60W760-8-T51D6002 |
| MG60 | 60 | 760 | 15.0 | 6208126212 | 60W760-8-MG60D6002 |

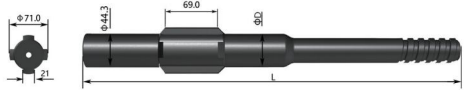
FURUKAWA

Furukawa PD 200



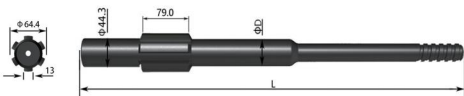
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| R32 | 44.5 | 330 | 3.0 | 6304014301 | 60W330-4-R32D4403 |
| T38 | 44.5 | 380 | 3.6 | 6304022304 | 60W380-4-T38D4403 |
| T38 | 44.5 | 446 | 4.0 | 6304022308 | 60W446-4-T38D4403 |

Furukawa PD 200 R



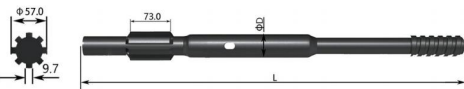
| | | | | | |
|-----|------|-----|-----|------------|-------------------|
| R38 | 44.5 | 485 | 4.2 | 6304017629 | 60W485-4-R38D4403 |
| T38 | 44.5 | 380 | 4.2 | 6304022296 | 60W380-4-T38D4403 |
| T38 | 44.5 | 485 | 5.2 | 6304022298 | 60W485-4-T38D4403 |
| T45 | 44.5 | 495 | 5.3 | 6304023300 | 60W495-4-T45D4403 |

Furukawa HD 300



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 655 | 6.0 | 6306022241 | 60W655-6-T38D4503 |
| T45 | 45 | 655 | 6.7 | 6306023242 | 60W655-6-T45D4503 |

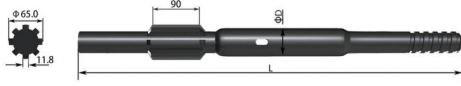
Furukawa HD 609



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 620 | 6.0 | 6308122247 | 60W620-8-T38D4503 |
| T38 | 45 | 690 | 6.4 | 6308122249 | 60W690-8-T38D4503 |
| T45 | 45 | 620 | 6.3 | 6308123248 | 60W620-8-T45D4503 |
| T45 | 45 | 690 | 6.7 | 6308123250 | 60W690-8-T45D4503 |

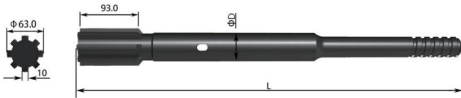
FURUKAWA

Furukawa HD 612



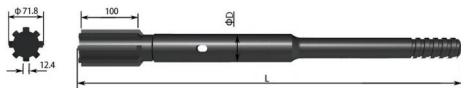
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T38 | 50.8 | 710 | 8.6 | 6308122623 | 60W710-8-T38D5103 |
| T45 | 50.8 | 710 | 8.9 | 6308123256 | 60W710-8-T45D5103 |
| T51 | 50.8 | 710 | 9.0 | 6308124257 | 60W710-8-T51D5103 |

Furukawa HD 709,HD 818



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 620 | 6.3 | 6308122270 | 60W620-8-T38D4503 |
| T45 | 45 | 620 | 6.8 | 6308123271 | 60W620-8-T45D4503 |
| T51 | 53 | 620 | 6.8 | 6308124272 | 60W620-8-T51D5303 |

Furukawa HD 712,HD 822,HD 826



| | | | | | |
|-----|----|-----|------|------------|-------------------|
| T38 | 51 | 590 | 8.0 | 6308122624 | 60W590-8-T38D5103 |
| T45 | 51 | 590 | 8.4 | 6308123277 | 60W590-8-T45D5103 |
| T51 | 51 | 590 | 8.8 | 6308124278 | 60W590-8-T51D5103 |
| T38 | 51 | 790 | 8.9 | 6308122625 | 60W790-8-T38D5103 |
| T45 | 51 | 790 | 9.5 | 6308123279 | 60W790-8-T45D5103 |
| T51 | 51 | 790 | 10.8 | 6308124280 | 60W790-8-T51D5103 |

Furukawa HD 709 RP,HD 818 RP



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 785 | 8.8 | 6308122275 | 60W785-8-T38D4503 |
| T45 | 45 | 785 | 9.2 | 6308123273 | 60W785-8-T45D4503 |
| T38 | 45 | 815 | 9.0 | 6308122276 | 60W815-8-T38D4503 |
| T45 | 45 | 815 | 9.5 | 6308123274 | 60W815-8-T45D4503 |

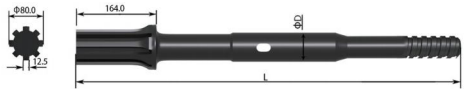
FURUKAWA

Furukawa HD 712 RP, HD 822 RP,
HD 826 RP



| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T38 | 51 | 885 | 12.2 | 6308122626 | 60W885-8-T38D5103 |
| T45 | 51 | 885 | 12.6 | 6308123313 | 60W885-8-T45D5103 |
| T51 | 51 | 885 | 13.0 | 6308124315 | 60W885-8-T51D5103 |

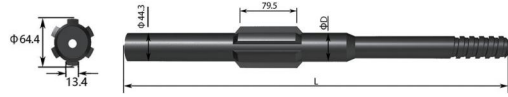
Furukawa HD 715 RP, HD 828 RP



| | | | | | |
|-----|----|-----|------|------------|-------------------|
| T45 | 58 | 885 | 15.3 | 6308123627 | 60W885-8-T45D5803 |
| T51 | 58 | 885 | 15.8 | 6308124294 | 60W885-8-T51D5803 |

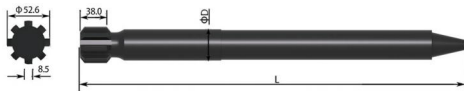
MONTABERT

Montabert H 100



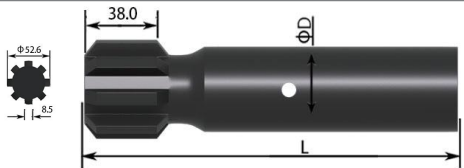
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T38 | 44.5 | 537 | 5.3 | 6406022322 | 60W537-6-T38D4404 |

Montabert HC 25



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| 26° | 45 | 570 | 6.4 | 6408---327 | 60W570-8-26°D4504 |
|-----|----|-----|-----|------------|-------------------|

Montabert HC 25 Female



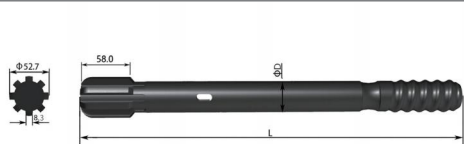
| | | | | | |
|-----|----|-----|-----|------------|--------------------|
| R32 | 45 | 202 | 1.9 | 6408114328 | 60W202-8-R32FD4504 |
|-----|----|-----|-----|------------|--------------------|

Montabert HC 40,HC 50 Female



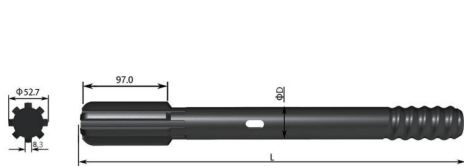
| | | | | | |
|-----|----|-----|-----|------------|--------------------|
| R32 | 45 | 270 | 2.8 | 6408114338 | 60W270-8-R32FD4504 |
|-----|----|-----|-----|------------|--------------------|

Montabert HC 40,HC 50



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 447 | 3.5 | 6408114335 | 60W447-8-R32D3804 |
| R38 | 38 | 447 | 4.0 | 6408117336 | 60W447-8-R38D3804 |
| T38 | 38 | 447 | 4.0 | 6408122337 | 60W447-8-T38D3804 |

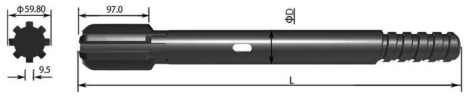
Montabert HC 80,HC 90,HC 105, HC 108,HC 109,HC 120



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| R32 | 38 | 440 | 3.6 | 6408114339 | 60W440-8-R32D3804 |
| R38 | 38 | 440 | 3.9 | 6408117340 | 60W440-8-R38D3804 |
| T38 | 38 | 440 | 3.9 | 6408122341 | 60W440-8-T38D3804 |
| T38 | 38 | 500 | 4.1 | 6408122344 | 60W500-8-T38D3804 |

MONTABERT

Montabert HC 80,HC 90,HC 105,
HC 108,HC 109,HC 120



| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T38 | 45 | 460 | 5.0 | 6408122346 | 60W460-8-T38D4504 |
| T38 | 45 | 490 | 5.3 | 6408122345 | 60W490-8-T38D4504 |

Montabert HC 80,HC 90,HC 105,
HC 108,HC 109,HC 120



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T45 | 45 | 490 | 5.6 | 6408123347 | 60W490-8-T45D4504 |
|-----|----|-----|-----|------------|-------------------|

Montabert HC 80 RP,HC 105 RP,
HC 107 RP,HC 108 RP,HC 109 RP



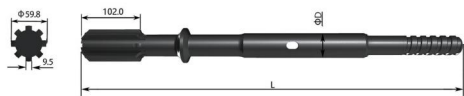
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 670 | 7.2 | 6408122350 | 60W670-8-T38D4504 |
| T45 | 45 | 670 | 7.5 | 6408123351 | 60W670-8-T45D4504 |

Montabert HC 95 R



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 503 | 5.8 | 6408122360 | 60W503-8-T38D4504 |
|-----|----|-----|-----|------------|-------------------|

Montabert HC 120 RP,HC 150 RP,
HC 155 RP,HC 158 RP



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T45 | 51 | 670 | 8.8 | 6408123372 | 60W670-8-T45D5104 |
| T51 | 51 | 670 | 8.9 | 6408124373 | 60W670-8-T51D5104 |

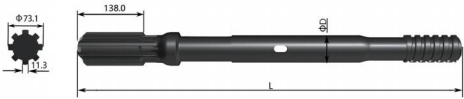
Montabert HC 160,HC 170



| | | | | | |
|------|----|-----|------|------------|--------------------|
| T45 | 60 | 805 | 14.8 | 6408123377 | 60W805-8-T45D6004 |
| T51 | 60 | 805 | 14.9 | 6408124378 | 60W805-8-T51D6004 |
| MT60 | 60 | 805 | 15.3 | 6408125628 | 60W805-8-MT60D6004 |

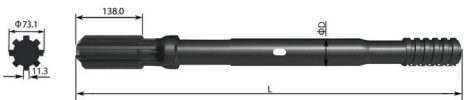
MONTABERT

Montabert HC 200



| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T51 | 51 | 840 | 13.2 | 6408124380 | 60W840-8-T51D5104 |

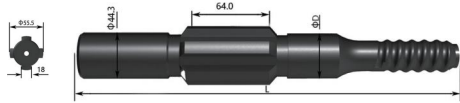
Montabert HC 200 A



| | | | | | |
|------|----|-----|------|------------|--------------------|
| T51 | 60 | 840 | 16.4 | 6408124381 | 60W840-8-T51D6004 |
| MG60 | 60 | 840 | 16.8 | 6408126382 | 60W840-8-MG60D6004 |

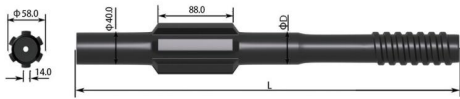
INGERSOLL-RAND

Ingersoll -rand URD 475,URD 550,
VL 120,EVL 130, VL 140,F 16



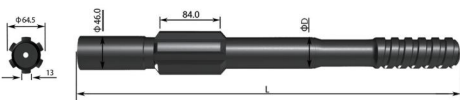
| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| R32 | 44.5 | 330 | 3.0 | 6504014390 | 60W330-4-R32D4405 |
| R32 | 44.5 | 380 | 4.1 | 6504014391 | 60W380-4-R32D4405 |
| T38 | 44.5 | 380 | 3.6 | 6504022393 | 60W380-4-T38D4405 |
| T38 | 44.5 | 446 | 4.0 | 6504022397 | 60W446-4-T38D4405 |

Ingersoll -rand YH 45,YH 50



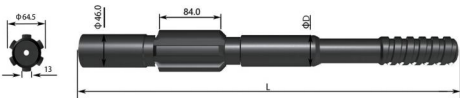
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 38 | 440 | 3.8 | 6506022386 | 60W440-6-T38D3805 |
|-----|----|-----|-----|------------|-------------------|

Ingersoll -rand YH 65,YH 70,YH 80



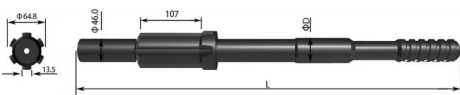
| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 495 | 5.4 | 6506022403 | 60W495-6-T38D4505 |
| T45 | 45 | 495 | 5.5 | 6506023404 | 60W495-6-T45D4505 |

Ingersoll -rand YH 80 A



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T45 | 51 | 495 | 6.1 | 6506023408 | 60W495-6-T45D5105 |
| T51 | 51 | 495 | 5.7 | 6506024410 | 60W495-6-T45D5105 |

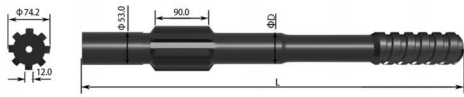
Ingersoll -rand YH 65 RP,YH 70 RP,
YH 75 RP,YH 80 RP



| | | | | | |
|-----|----|-----|-----|------------|-------------------|
| T38 | 45 | 700 | 7.8 | 6506022406 | 60W700-6-T38D4505 |
| T45 | 45 | 700 | 7.9 | 6506023407 | 60W700-6-T45D4505 |

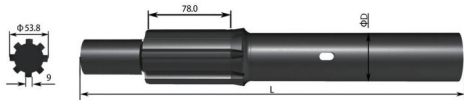
INGERSOLL-RAND

Ingersoll -rand YH 95,YH 100



| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T51 | 51 | 625 | 8.8 | 6508024415 | 60W625-8-T51D5105 |

Ingersoll -rand Hydrastar 200 Female



| | | | | | |
|-----|----|-----|-----|------------|--------------------|
| R32 | 45 | 351 | 3.7 | 6208114221 | 60W351-8-R32FD4505 |
|-----|----|-----|-----|------------|--------------------|

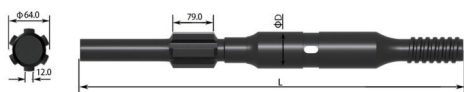
KRUPP

Krupp HB 32



| Thread | Dia (mm) | Length (mm) | Weight (kg) | Product No. | Part No. |
|--------|----------|-------------|-------------|-------------|-------------------|
| T45 | 65 | 780 | 16.2 | 6606123526 | 60W780-6-T45D6506 |
| T51 | 65 | 780 | 16.7 | 6606124527 | 60W780-6-T51D6506 |

Krupp HB 101



| | | | | | |
|-----|------|-----|------|------------|-------------------|
| T45 | 64.5 | 699 | 11.1 | 6606123530 | 60W699-6-T45D6506 |
| T51 | 64.5 | 699 | 11.3 | 6606124531 | 60W699-6-T51D6506 |

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