

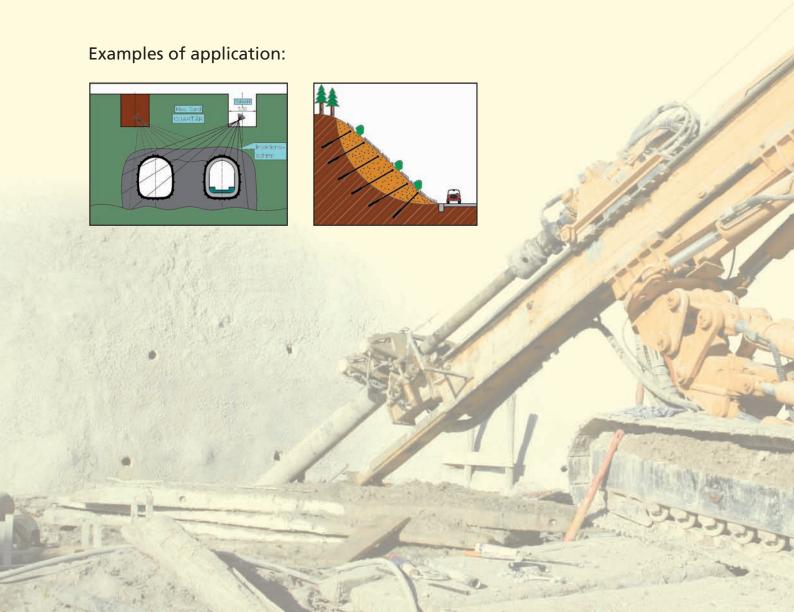
Specialists for Overburden Drilling Products

Rotary Drilling Systems D 76.1 – D 114.3

with rotary head and DTH-hammer

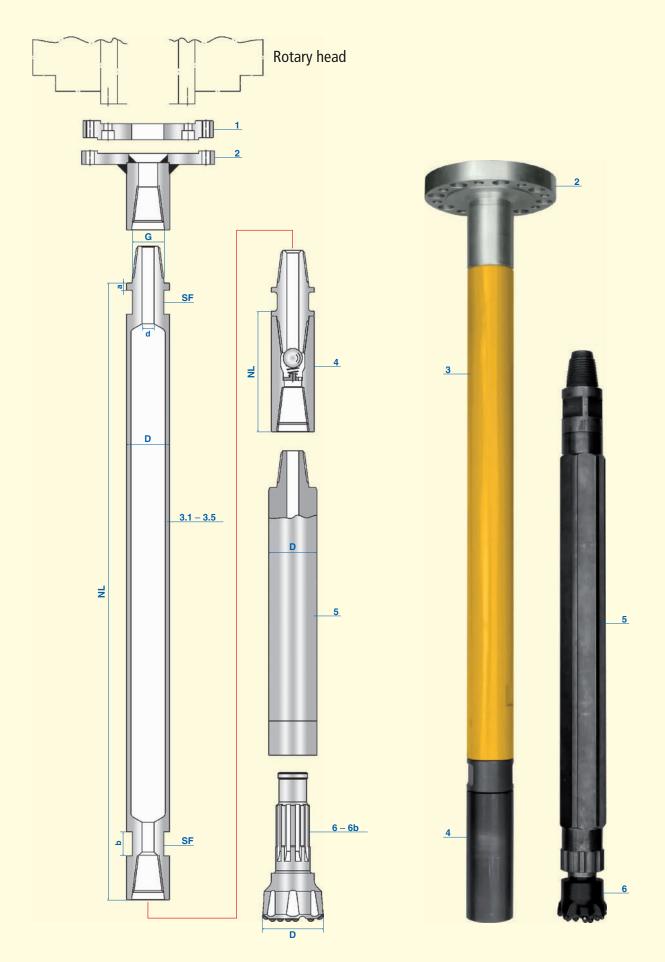
These drilling systems are used for all types of rocks using basic drill rods and a DTH hammer.

The design of the drill bits can vary. They are used to drill various kinds of hard and sometimes abrasive rock types.



Rotary Drilling Systems

with rotary head and DTH hammer





Rotary Drilling System D 76.1 with rotary head and DTH hammer

Pos.	Description
1	Connecting flange, suitable to rotary head in use (size indicated with order)
2	Flange D 76.1, thread 2 3/8" API Reg. female (G), suitable to flange of rotary head in use or to connecting flange pos. 1 (indicated with order)
3	Casing D 76.1, thread 2 3/8" API Reg. (G) \times 8.8mm wth \times 25mm (d) with square spannerflat SW 65, size $a=20$ mm, $b=60$ mm. Quality tubes: S355J2H; welding ends: high tempered steel quality, nitrated surface, friction welded
3.1	4000 mm length
3.2	3000 mm length
3.3	2000 mm length
3.4	1500 mm length
3.5	1000 mm length
4	Back pressure valve D 76.1 \times 2 3/8" API Reg. female/male thread \times 300mm length, opening to female thread (or as desired)
5	DTH-hammer D = 80 mm x connecting flange 2 $3/8$ " API Reg. male
6	DTH-hammer-casing bit $D = 90$ mm, button type, shaft according to DTH-hammer type
6a	DTH-hammer-casing bit $D = 100$ mm, button type, shaft according to DTH-hammer type

Tools

Fishing tap D 76.1, thread 2 3/8" API Reg. male Fishing bell D 76.1, thread 2 3/8" API Reg. male wrench hammer SW 65 x 500mm long

Signs & Symbols

 $wth = wall \ thickness; \ SW = key \ width; \ D = outer \ diameter; \ G = thread \ connection; \ SF = spanner flat; \ L = length$

Please note that this production sheets shows only standard versions due to the lot of possible tool variations. Special designs on request.



Rotary Drilling System D 88.9 with rotary head and DTH hammer

Pos.	Description
1	Zwischenflansch, passend zum jeweiligen Drehkopf (Maße im Bestellfall angeben).
2	Flansch D 88.9, Gew. 2 3/8" API Reg. IG (G), passend zum Abtriebsflansch des jeweiligen Drehkopfes oder zum Zwischenflansch Pos. 1 (Maße im Bestellfall angeben).
3	Casing D 88.9, thread 2 3/8" API Reg. (G) \times 8.8mm wth \times 25mm (d) with square spannerflat SW 65, size $a=20$ mm, $b=60$ mm. Quality tubes: S355J2H; welding ends: high tempered steel quality, nitrated surface, friction welded
3.1	4000 mm NL
3.2	3000 mm NL
3.3	2000 mm NL
3.4	1500 mm NL
3.5	1000 mm NL
4	Back pressure valve D 88.9, x 2 3/8" API Reg. female/male thread x 300mm length, opening to female thread (or as desired)
5	DTH-hammer D = 92mm x connecting flange 2 3/8" API Reg. male
6	DTH-hammer-casing bit D = 105mm, button type, shaft suitable to DTH-hammer type
6a	DTH-hammer-casing bit $D = 115$ mm, button type, shaft suitable to DTH-hammer type
6b	DTH-hammer-casing bit D = 120mm, button type, shaft suitable to DTH-hammer type

Tools

Fishing tap D 88.9, thread 2 3/8" API Reg. male Fishing bell D 88.9, thread 2 3/8" API Reg. male wrench hammer SW 65 x 500mm long

Signs & Symbols

 $wth = wall \ thickness; \ SW = key \ width; \ D = outer \ diameter; \ G = thread \ connection; \ SF = spannerflat; \ L = length$

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Rotary Drilling System D 114.3 with rotary head and DTH hammer

Pos.	Description
1	Connecting flange, suitable to rotary head in use (size indicated with order)
2	Flange D 114.3, thread 3 1/2" API Reg. female (G), suitable to flange of rotary head in use or to connecting flange pos. 1 (indicated with order)
3	Casing D 114.3, thread 3 1/2" API Reg. (G) \times 8.8mm wth \times 40mm (d) with square spannerflat SW 95, size $a=20$ mm, $b=60$ mm. Quality tubes: S355J2H; welding ends: high tempered steel quality, nitrated surface, friction welded
3.1	4000 mm length
3.2	3000 mm length
3.3	2000 mm length
3.4	1500 mm length
3.5	1000 mm length
4	Back pressure valve D 114.3 \times 3 1/2" API Reg. female/male thread \times length as per DTH-hammer (indicated with order), opening to female thread (or as desired)
5	DTH-hammer D = 124mm x connecting flange 3 1/2" API Reg. male
6	DTH-hammer-casing bit D = 140mm, button type, shaft suitable to DTH-hammer type
6a	DTH-hammer-casing bit $D = 145$ mm, button type, shaft suitable to DTH-hammer type
6b	DTH-hammer-casing bit D = 150mm, button type, shaft suitable to DTH-hammer type

Tools

Fishing tap D 114.3, thread 3 1/2" API Reg. male Fishing bell D 114.3, thread 3 1/2" API Reg. male

wrench hammer SW 95 x 500mm long

Signs & Symbols

 $wth = wall \ thickness; \ SW = key \ width; \ D = outer \ diameter; \ G = thread \ connection; \ SF = spanner flat; \ L = length$

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