

BOOST YOUR DRILLING!



technidrill
EUROFORGROUP



DTH TD RANGE

**“ YOUR GLOBAL PARTNER
FOR DRILLING EFFICIENCY ”**



DTH TD RANGE

FOR YOUR DRILLING

Technidrill expands its TD range welcoming the new DTH family! We want to answer your needs allowing you to benefit quality drilling tools.

● ● ● DTH HAMMERS

from 3" to 8" (other sizes available on request)

- + **Conception TD Range, designed by Technidrill**
- + **Robust and reliable: made and tested to resist intensive use**
- + **Repairs : maintenance kit / repair on request**

● ● ● CONNECTIONS

3" DTH hammer: DHD 3.5

4" DTH hammer: DHD 340

5" DTH hammer: DHD 350 & QL50

⋮
⋮
⋮

6" DTH hammer: DHD 360 & QL60

8" DTH hammer: DHD 380 & QL80

● ● ● DTH BITS

Similar connections

Any diameter size on request

- + **Compatible with market standard**

● ● ● PERCUSSION ROTARY DRILL RODS

Ø 76 - 3" : Thread 2" 3/8 Regular

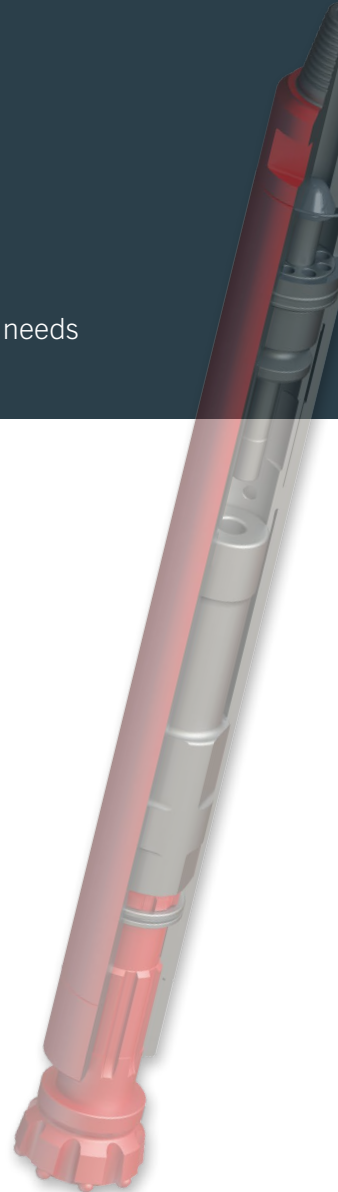
Ø 89 - 3 1/2" : Threads 2" 3/8 Regular ou IF

Ø 102 - 4" : Thread 2" 7/8 Regular

Ø 114mm - 4" 1/2 : Threads 2" 7/8 IF,

3" 1/2 Regular or FH

Ø 140mm - 5" 1/2 : Thread 4" 1/2 Regular



OUR DTH HAMMERS

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DTH HAMMER 3" DHD 3.5

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 12	34.03.1DHD238	DHD 3.5 3" DTH hammer	-
1	34.03.1DHD238.01	Top sub	1
2	34.03.1DHD238.02	O'ring	1
3	34.03.1DHD238.03	Check valve	1
4	34.03.1DHD238.04	Spring	1
5	34.03.1DHD238.05	Steel make-up ring	1
6	34.03.1DHD238.06	Air distributor	1
7	34.03.1DHD238.07	Inner cylinder	1
8	34.03.1DHD238.08	Piston	1
9	34.03.1DHD238.09	Wear sleeve	1
10	34.03.1DHD238.10	Bit retaining ring	1
11	34.03.1DHD238.11	O'ring	1
12	34.03.1DHD238.12	Drive chuck	1

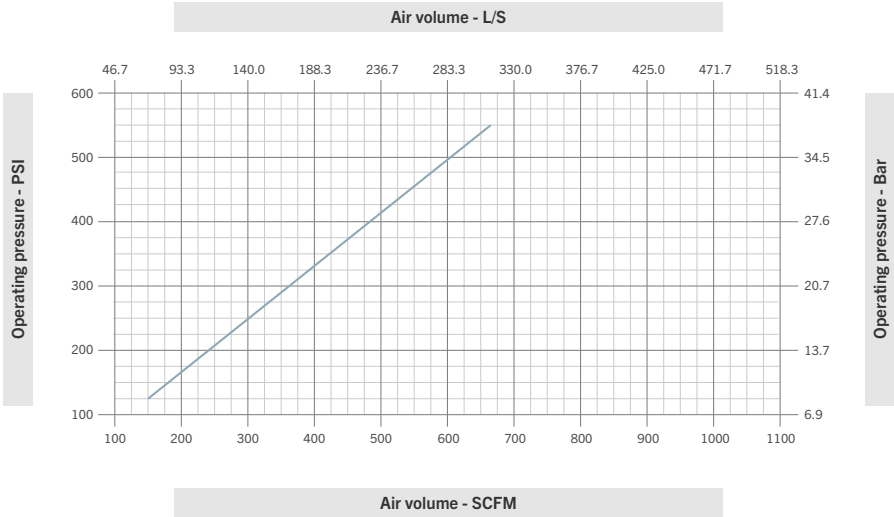
KITS			
2, 11	74.03.1DHD238.99	O'ring kit	-
1, 2, 9, 10, 11, 12	74.03.1DHD238.98	Outer case kit	-
4, 5, 6, 8 + O'ring kit	74.03.1DHD238.97	Service kit	-



DTH HAMMER 3" DHD 3.5

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	82 mm	3.22"
Shoulder to shoulder	855 mm	33.66"
Backhead spanner flat size	57 mm	2.25"
Drill bit shank type	DHD 3.5	
Minimum bit size	90 mm	3.54"
Hammer weight (excluding bit)	25.09 kg	55.11 Lbs
Piston weight	5.6 kg	11 Lbs
Piston diameter	67 mm	2.63"
Working pressure	10 - 25 bars	145 - 362 Psi
Air consumption	360 - 780 m³/h	212 - 459 CFM
Maximum contact pressure	6 kN	
Connection thread	API 2"3/8 REG	
Recommended rotation speed	30 - 70 r/min	
External cylinder discard dimension	77 mm	3.03"



DTH HAMMER 4" DHD 340

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 12	34.04.1DHD238	DHD 340 4" hammer	-
1	34.04.1DHD238.01	Top sub	1
2	34.04.1DHD238.02	O'ring	1
3	34.04.1DHD238.03	Check valve	1
4	34.04.1DHD238.04	Spring	1
5	34.04.1DHD238.05	Steel make-up ring	1
6	34.04.1DHD238.06	Air distributor	1
7	34.04.1DHD238.07	Inner cylinder	1
8	34.04.1DHD238.08	Piston	1
9	34.04.1DHD238.09	Wear sleeve	1
10	34.04.1DHD238.10	Bit retaining ring	1
11	34.04.1DHD238.11	O'ring	1
12	34.04.1DHD238.12	Drive chuck	1

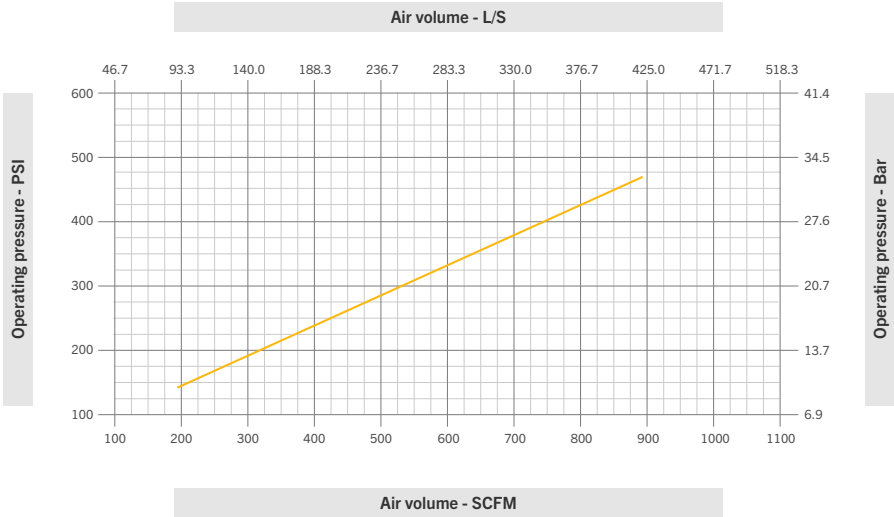
KITS			
2, 11	74.04.1DHD238.99	O'ring kit	-
1, 2, 9, 10, 11, 12	74.04.1DHD238.98	Outer case kit	-
4, 5, 6, 8 + O'ring kit	74.04.1DHD238.97	Service kit	-



DTH HAMMER 4" DHD 340

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	100.5 mm	3.93"
Shoulder to shoulder	960 mm	37.7"
Backhead spanner flat size	74 mm	2.9"
Drill bit shank type	DHD 340	
Minimum bit size	110 mm	4.3"
Hammer weight (excluding bit)	40.6 kg	88 Lbs
Piston weight	9 kg	19.8 Lbs
Piston diameter	80 mm	3.14"
Working pressure	13.5 - 20.5 bars	200 - 300 Psi
Air consumption	850 - 1,190 m³/h	500 - 700 CFM
Maximum contact pressure	5 - 15 kN	
Connection thread	API 2"3/8 REG	
Recommended rotation speed	25 - 40 r/min	
External cylinder discard dimension	94 mm	3.7"



DTH HAMMER 5" DHD 350

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 14	34.05.1DHD312	DHD 350 5" DTH hammer	-
1	34.05.1DHD312.01	Top sub	1
2	34.05.1DHD312.02	O'ring	1
3	34.05.1DHD312.03	Check valve	1
4	34.05.1DHD312.04	Spring	1
5	34.05.1DHD312.05	Breakout ring	1
6	34.05.1DHD312.06	Steel make-up ring	1
7	34.05.1DHD312.07	Base of compression buffer	1
8	34.05.1DHD312.08	Air distributor	1
9	34.05.1DHD312.09	Inner cylinder	1
10	34.05.1DHD312.10	Piston	1
11	34.05.1DHD312.11	Wear sleeve	1
12	34.05.1DHD312.12	Bit retaining ring	1
13	34.05.1DHD312.13	O'ring	1
14	34.05.1DHD312.14	Drive chuck	1

KITS			
2, 13	74.05.1DHD312.99	O'ring kit	-
1, 2, 11, 12, 13, 14	74.05.1DHD312.98	Outer case kit	-
4, 5, 6, 8, 10 + O'ring kit	74.05.1DHD312.97	Service kit	-



DTH HAMMER 5" DHD 350

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	126.5 mm	4.96"
Shoulder to shoulder	1,130 mm	44.48"
Backhead spanner flat size	88 mm	3.46"
Drill bit shank type	DHD 350	
Minimum bit size	135 mm	5.3"
Hammer weight (excluding bit)	76.15 kg	167.5 Lbs
Piston weight	15.5 kg	33 Lbs
Piston diameter	100 mm	3.93"
Working pressure	14 - 30 bars	203 - 435 Psi
Air consumption	720 - 1,320 m³/h	423 - 776 CFM
Maximum contact pressure	9.5 kN	
Connection thread	API 3"1/2 REG	
Recommended rotation speed	30 - 60 r/min	
External cylinder discard dimension	119 mm	4.68"



DTH HAMMER 5" QL50

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 14	34.05.1QL312	QL50 5" DTH hammer	-
1	34.05.1QL312.01	Top sub	1
2	34.05.1QL312.02	O'ring	1
3	34.05.1QL312.03	Breakout ring	1
4	34.05.1QL312.04	Check valve	1
5	34.05.1QL312.05	Spring	1
6	34.05.1QL312.06	Steel make-up ring	1
7	34.05.1QL312.07	Air distributor	1
8	34.05.1QL312.08	Inner cylinder	1
9	34.05.1QL312.09	Piston	1
10	34.05.1QL312.10	Wear sleeve	1
11	34.05.1QL312.11	Guided sleeve	1
12	34.05.1QL312.12	Bit retaining ring	1
13	34.05.1QL312.13	O'ring	1
14	34.05.1QL312.14	Drive chuck	1

KITS			
2, 13	74.05.1QL312.99	O'ring kit	-
1, 2, 10, 12, 13, 14	74.05.1QL312.98	Outer case kit	-
5, 6, 7, 9 + O'ring kit	74.05.1QL312.97	Service kit	-



DTH HAMMER 5" QL50

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	126.5 mm	4.96"
Shoulder to shoulder	1,160 mm	45.67"
Backhead spanner flat size	88 mm	3.46"
Drill bit shank type	QL50	
Minimum bit size	135 mm	5.3"
Hammer weight (excluding bit)	73.29 kg	160.9 Lbs
Piston weight	19 kg	41.8 Lbs
Piston diameter	104 mm	4.09"
Working pressure	14 - 30 bars	203 - 435 Psi
Air consumption	720 - 1,320 m³/h	423 - 776 CFM
Maximum contact pressure	9.5 kN	
Connection thread	API 3"1/2 REG	
Recommended rotation speed	30 - 60 r/min	
External cylinder discard dimension	119 mm	4.68"

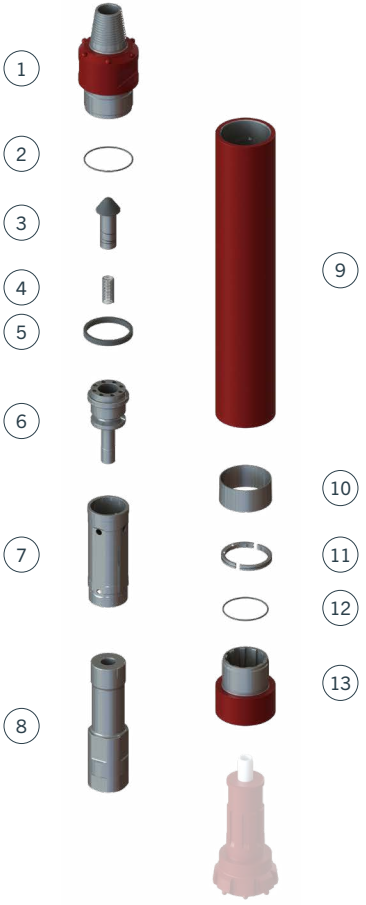


DTH HAMMER 6" DHD 360

TECHNICAL DATA

no.	Reference	Designation	Qty
1 - 13	34.06.1DHD312	DHD 360 6" hammer	-
1	34.06.1DHD312.01	Top sub	1
2	34.06.1DHD312.02	O'ring	1
3	34.06.1DHD312.03	Check valve	1
4	34.06.1DHD312.04	Spring	1
5	34.06.1DHD312.05	Steel make-up ring	1
6	34.06.1DHD312.06	Air distributor	1
7	34.06.1DHD312.07	Inner cylinder	1
8	34.06.1DHD312.08	Piston	1
9	34.06.1DHD312.09	Wear sleeve	1
10	34.06.1DHD312.10	Guided sleeve	1
11	34.06.1DHD312.11	Bit retaining ring	1
12	34.06.1DHD312.12	O'ring	1
13	34.06.1DHD312.13	Drive chuck	1

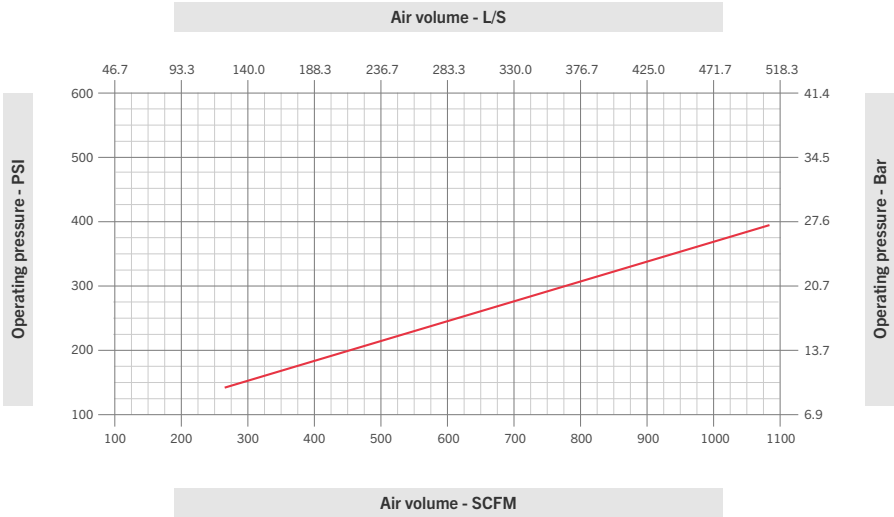
KITS			
2, 12	74.06.1DHD312.99	O'ring kit	-
1, 2, 9, 11, 12, 13	74.06.1DHD312.98	Outer case kit	-
4, 5, 6, 8 + O'ring kit	74.06.1DHD312.97	Service kit	-



DTH HAMMER 6" DHD 360

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	148 mm	5.82"
Shoulder to shoulder	1,150 mm	45.27"
Backhead spanner flat size	101 mm	3.97"
Drill bit shank type	DHD 360	
Minimum bit size	165 mm	6.5"
Hammer weight (excluding bit)	112.17 kg	247 Lbs
Piston weight	23.35 kg	50.7 Lbs
Piston diameter	118 mm	4.64"
Working pressure	14 - 30 bars	203 - 435 Psi
Air consumption	900 - 1,620 m³/h	530 - 953 CFM
Maximum contact pressure	11 kN	
Connection thread	API 3"1/2 REG	
Recommended rotation speed	25 - 50 r/min	
External cylinder discard dimension	138 mm	5.43"

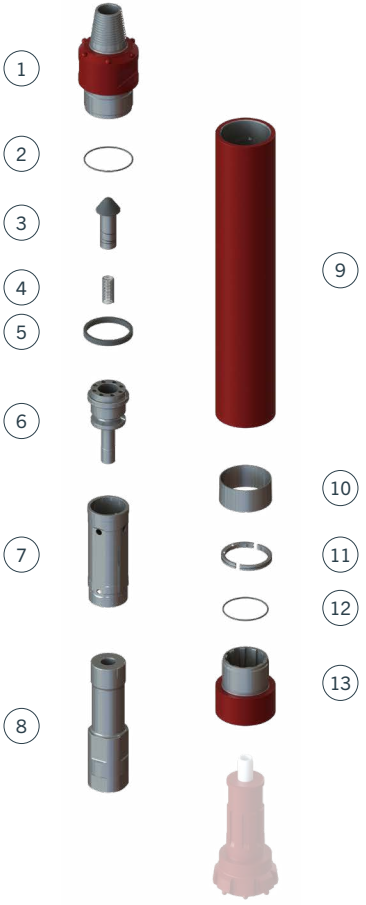


DTH HAMMER 6" QL60

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 13	34.06.1QL312	QL60 6" DTH hammer	-
1	34.06.1QL312.01	Top sub	1
2	34.06.1QL312.02	O'ring	1
3	34.06.1QL312.03	Check valve	1
4	34.06.1QL312.04	Spring	1
5	34.06.1QL312.05	Steel make-up ring	1
6	34.06.1QL312.06	Air distributor	1
7	34.06.1QL312.07	Inner cylinder	1
8	34.06.1QL312.08	Piston	1
9	34.06.1QL312.09	Wear sleeve	1
10	34.06.1QL312.10	Guided sleeve	1
11	34.06.1QL312.11	Bit retaining ring	1
12	34.06.1QL312.12	O'ring	1
13	34.06.1QL312.13	Drive chuck	1

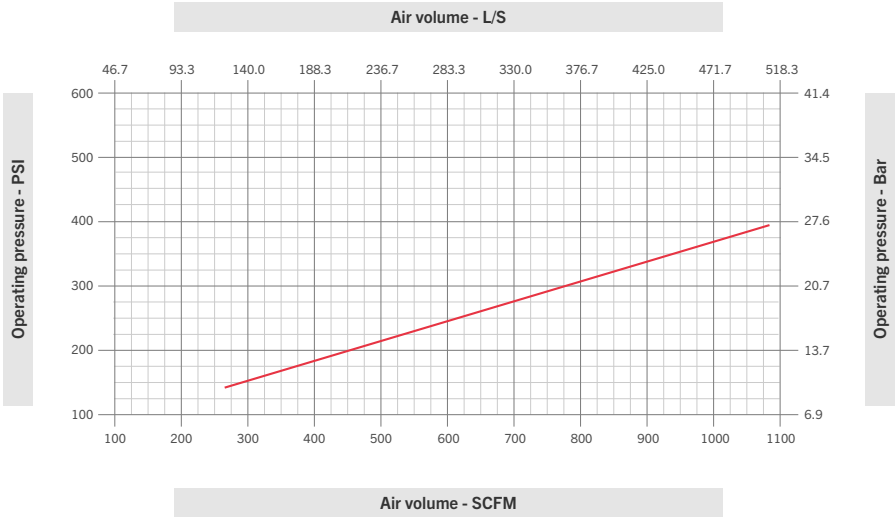
KITS			
2, 12	74.06.1QL312.99	O'ring kit	-
1, 2, 9, 11, 12, 13	74.06.1QL312.98	Outer case kit	-
4, 5, 6, 8 + O'ring kit	74.06.1QL312.97	Service kit	-



DTH HAMMER 6" QL60

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	148 mm	5.82"
Shoulder to shoulder	1,025 mm	40.35"
Backhead spanner flat size	101 mm	3.97"
Drill bit shank type	QL60	
Minimum bit size	160 mm	6.3"
Hammer weight (excluding bit)	105 kg	231.5 Lbs
Piston weight	24 kg	52.9 Lbs
Piston diameter	122 mm	4.80"
Working pressure	20.5 - 24.1 bars	300 - 350 Psi
Air consumption	1,020 - 1,530 m³/h	600 - 900 CFM
Maximum contact pressure	7 - 20 kN	
Connection thread	API 3"1/2 REG	
Recommended rotation speed	25 - 60 r/min	
External cylinder discard dimension	140 mm	5.51"



DTH HAMMER 8" DHD 380

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 13	34.08.1DHD412	DHD 380 8" DTH hammer	-
1	34.08.1DHD412.01	Top sub	1
2	34.08.1DHD412.02	O'ring	1
3	34.08.1DHD412.03	Breakout ring	1
4	34.08.1DHD412.04	Check valve	1
5	34.08.1DHD412.05	Spring	1
6	34.08.1DHD412.06	Steel make-up ring	1
7	34.08.1DHD412.07	Air distributor	1
8	34.08.1DHD412.08	Inner cylinder	1
9	34.08.1DHD412.09	Piston	1
10	34.08.1DHD412.10	Wear sleeve	1
11	34.08.1DHD412.11	Bit retaining ring	1
12	34.08.1DHD412.12	O'ring	1
13	34.08.1DHD412.13	Drive chuck	1

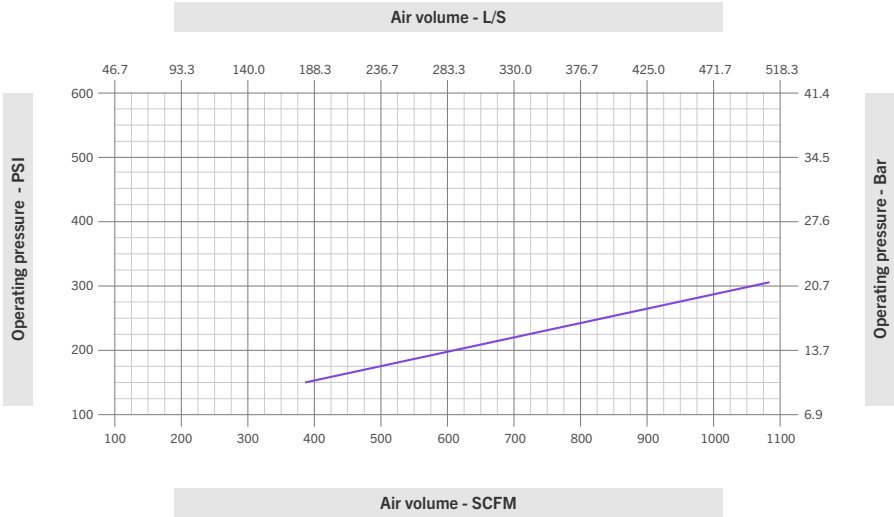
KITS			
2, 12	74.08.1DHD412.99	O'ring kit	-
1, 2, 10, 11, 12, 13	74.08.1DHD412.98	Outer case kit	-
5, 6, 7, 9 + O'ring kit	74.08.1DHD412.97	Service kit	-



DTH HAMMER 8" DHD 380

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	180 mm	7.08"
Shoulder to shoulder	1,390 mm	54.72"
Backhead spanner flat size	148 mm	5.82"
Drill bit shank type	DHD 380	
Minimum bit size	195 mm	7.67"
Hammer weight (excluding bit)	187.18 kg	412.26 Lbs
Piston weight	41.7 kg	90.38 Lbs
Piston diameter	150 mm	5.90"
Working pressure	14 - 30 bars	203 - 435 Psi
Air consumption	1,245 - 2,616 m³/h	733 - 1,540 CFM
Maximum contact pressure	19 kN	
Connection thread	API 4"1/2 REG	
Recommended rotation speed	25 - 45 r/min	
External cylinder discard dimension	174 mm	6.85"



DTH HAMMER 8" QL80

DESIGNATIONS ET REFERENCES

no.	Reference	Designation	Qty
1 - 15	34.08.0QL412	QL80 8" DTH hammer	-
1	34.08.0QL412.01	Top sub	1
2	34.08.0QL412.02	O'ring	1
3	34.08.0QL412.03	Breakout ring	1
4	34.08.0QL412.04	Check valve	1
5	34.08.0QL412.05	Spring	1
6	34.08.0QL412.06	Steel make-up ring	1
7	34.08.0QL412.07	Air distributor	1
8	34.08.0QL412.08	Inner cylinder	1
9	34.08.0QL412.09	Piston	1
10	34.08.0QL412.10	Wear sleeve	1
11	34.08.0QL412.11	Guided sleeve	1
12	34.08.0QL412.12	Bit retaining ring	1
13	34.08.0QL412.13	O'ring	1
14	34.08.0QL412.14	Breakout ring of drive chuck	1
15	34.08.0QL412.15	Drive chuck	1

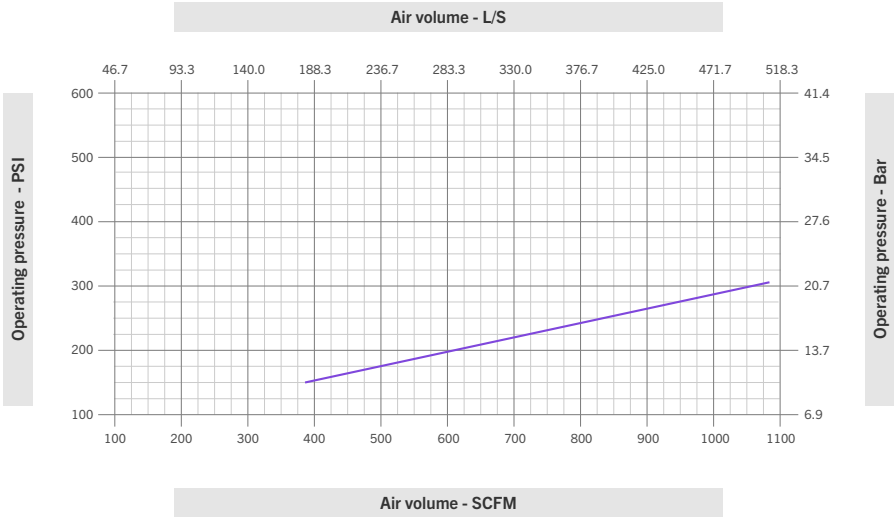
KITS			
2, 13	74.08.0QL412.99	O'ring kit	-
1, 2, 10, 12, 13, 15	74.08.0QL412.98	Outer case kit	-
5, 6, 7, 9 + O'ring kit	74.08.0QL412.97	Service kit	-



DTH HAMMER 8" QL80

TECHNICAL DATA

Specifications	Metric system	Imperial system
Hammer outside diameter	185 mm	7.28"
Shoulder to shoulder	1,240 mm	48.81"
Backhead spanner flat size	148 mm	5.82"
Drill bit shank type	QL80	
Minimum bit size	195 mm	7.67"
Hammer weight (excluding bit)	202.93 kg	445.3 Lbs
Piston weight	41.5 kg	90.38 Lbs
Piston diameter	148 mm	5.82"
Working pressure	14 - 30 bars	203 - 435 Psi
Air consumption	1,245 - 2,616 m³/h	733 - 1,540 CFM
Maximum contact pressure	19 kN	
Connection thread	API 4"1/2 REG	
Recommended rotation speed	25 - 45 r/min	
External cylinder discard dimension	176 mm	6.92"





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