

SHAREATE



DTH Tools

SHAREATE TOOLS LTD.



4" A series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SD45A/SQ45A DTH HAMMER		High Air Pressure With Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top subs	D45A01	7.80		
	2	O-Ring	D45A02	0.02		
	3	Check valve	D45A05	0.50		
	4	Spring	D45A07	0.10		
	5	Air Distributor	D45A11	1.50		
	6	O-Ring	D45A12	0.02		
	7	Inner Cylinder	D45A13	1.10		
	8	Piston retainer ring	D45A16	0.10		
	9	Piston	D45A14	8.30		
	10	Piston case	D45A03	14.00		
	11	Guide sleeve	D45A17	1.10		
	12	O-Ring	D45A18	0.02		
	13	Bit Retaining Ring	D45A19	0.30		
	14	Chuck	D45A20	4.10		
	15	Foot valve		0.05		
16	Bit		8.50			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
983mm	39.00Kg	φ 100mm	SD4/SQ4	φ 105-135	API 2 ³ / ₈ Reg	
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.0MPa	1.8MPa	2.4MPa	
1.0-2.5MPa	28Hz	25-40r/min	6m ³ /min	9.2m ³ /min	14.5m ³ /min	
Note: SD4 or DHD340A bits for SD45A hammers. SQ4 or QL40 bits for SQ45A hammers.						

4" B series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SF45B/SM45B DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top subs	F45B01	6.70		
	2	O-Ring	F45B02	0.02		
	3	Check valve	F45B05	0.50		
	4	Spring	F45B07	0.10		
	5	Air Distributor	F45B11	1.10		
	6	Inner Cylinder	F45B13	1.70		
	7	Piston	F45B14	8.30		
	8	Piston case	F45B03	15.00		
	9	Guide sleeve	F45B17	1.20		
	10	O-Ring	F45B18	0.02		
	11	Bit Retaining Ring	F45B19	0.20		
	12	Chuck	F45B20	3.60		
13	Bit		8.50			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
985mm	38.50Kg	φ 99mm	SD4/SM4	φ 115-133	API 2 ³ / ₈ Reg	
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.0MPa	1.8MPa	2.4MPa	
1.0-2.5MPa	30Hz	70-90r/min	5m ³ /min	8m ³ /min	13m ³ /min	
Note: SD4 or DHD340A bits for SF45B hammers. SM4 or Mission 4 bits for SM45B hammers.						

5" A series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SD55A/SQ55A DTH HAMMER		High Air Pressure With Foot Valve DTH Hammers	
	Item	Item Description	Part No .	Weight (Kg)	
	1	Top subs	D55A01	12.00	
	2	O-Ring	D55A02	0.02	
	3	Check valve	D55A05	0.50	
	4	Spring	D55A07	0.01	
	5	Air Distributor	D55A11	3.00	
	6	O-Ring	D55A12	0.02	
	7	Inner Cylinder	D55A13	2.50	
	8	Piston retainer ring	D55A16	0.15	
	9	Piston	D55A14	18.00	
	10	Piston case	D55A03	26.50	
	11	Guide sleeve	D55A17	0.15	
	12	O-Ring	D55A18	0.02	
	13	Bit Retaining Ring	D55A19	0.08	
	14	Chuck	D55A20	8.00	
	15	Foot valve		0.08	
16	Bit		16.00		

Technical Parameter

Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread
1114mm	71.00Kg	φ 126mm	SD5/SQ5	φ 138-152	API 2 ³ / ₈ Reg
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption		
			1.0MPa	1.8MPa	2.4MPa
1.0-2.5MPa	26Hz	40-60r/min	8.5m ³ /min	15.5m ³ /min	20.5m ³ /min

Note: SD5 or DHD350R bits for SD55A hammers. SQ5 or QL50 bits for SQ55A hammers.

5" B series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SF55B/SM55B DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers	
	Item	Item Description	Part No .	Weight (Kg)	
	1	Top subs	F55B01	11.70	
	2	O-Ring	F55B02	0.02	
	3	Check valve	F55B05	0.50	
	4	Spring	F55B07	0.01	
	5	Air Distributor	F55B11	2.00	
	6	Inner Cylinder	F55B13	2.80	
	7	Piston	F55B14	15.20	
	8	Piston case	F55B03	26.50	
	9	Guide sleeve	F55B17	2.60	
	10	O-Ring	F55B18	0.02	
	11	Bit Retaining Ring	F55B19	0.50	
	12	Chuck	F55B20	6.90	
13	Bit		18.00		

Technical Parameter

Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread
1103mm	68.50Kg	φ 126mm	SD5/SM5	φ 138-152	API 2 ³ / ₈ Reg
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption		
			1.0MPa	1.8MPa	2.4MPa
1.0-2.5MPa	28Hz	50-70r/min	7m ³ /min	14m ³ /min	19m ³ /min

Note: SD5 or DHD350R bits for SF55B hammers. SM5 or Mission 5 bits for SM55B hammers.

6" A series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SD65A/SQ65A DTH HAMMER		High Air Pressure With Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top subs	D65A01	15.40		
	2	O-Ring	D65A02	0.02		
	3	Check valve	D65A05	0.50		
	4	Spring	D65A07	0.10		
	5	Air Distributor	D65A11	5.50		
	6	O-Ring	D65A12	0.02		
	7	Inner Cylinder	D65A13	2.30		
	8	Piston retainer ring	D65A16	0.20		
	9	Piston	D65A14	25.00		
	10	Piston case	D65A03	34.00		
	11	Bearing	D65A17	1.30		
	12	O-Ring	D65A18	0.02		
	13	Bit Retaining Ring	D65A19	0.80		
	14	Chuck	D65A20	3.00		
	15	Foot valve		0.10		
16	Bit		24.00			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1300mm	88.00Kg	φ 138mm	SD6/SQ6	φ 152-178	API 3 1/2 Reg	
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.0MPa	1.8MPa	2.4MPa	
1.0-2.5MPa	22Hz	30-50r/min	11m ³ /min	19.5m ³ /min	28m ³ /min	
Note: SD6 or DHD360 bits for SD65A hammers. SQ6 or QL60 bits for SQ65A hammers.						

6" B series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SF65B/SM65B DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top subs	F65B01	20.3		
	2	O-Ring	F65B02	0.02		
	3	Check valve	F65B05	0.50		
	4	Spring	F65B07	0.10		
	5	Air Distributor	F65B11	3.40		
	6	Inner Cylinder	F65B13	5.30		
	7	Piston	F65B14	23.30		
	8	Piston case	F65B03	28.50		
	9	Guide sleeve	F65B17	5.30		
	10	O-Ring	F65B18	0.02		
	11	Bit Retaining Ring	F65B19	1.30		
	12	Chuck	F65B20	6.50		
13	Bit		24.00			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1161mm	94.50Kg	φ 144mm	SD6/SM6	φ 152-178	API 3 1/2 Reg	
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.0MPa	1.8MPa	2.4MPa	
1.0-2.5MPa	25Hz	40-60r/min	9m ³ /min	18m ³ /min	26m ³ /min	
Note: SD6 or DHD360 bits for SF65B hammers. SM6 or Mission 6 bits for SM65B hammers.						

8" A series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SD80A/SQ80A DTH HAMMER		High Air Pressure With Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top subs	D80A01	37.00		
	2	O-Ring	D80A02	0.05		
	3	Check Valve	D80A05	1.50		
	4	Spring	D80A07	0.20		
	5	Compression ring	D80A08	2.40		
	6	Air Distributor	D80A11	8.20		
	7	O-Ring	D80A12	0.05		
	8	Inner Cylinder	D80A13	4.60		
	9	Piston retainer ring	D80A16	0.30		
	10	Piston	D80A14	53.50		
	11	Piston case	D80A03	68.00		
	12	Guide sleeve	D80A17	3.20		
	13	O-Ring	D80A18	0.05		
	14	Bit Retaining Ring	D80A19	1.30		
	15	Chuck	D80A20	16.60		
	16	Foot valve		0.50		
17	Bit		40.50			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1484mm	197.00Kg	φ 184mm	SD8/SQ8	φ 203-254	API 4 1/2 Reg	
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.0MPa	1.8MPa	2.4MPa	
1.0-2.5MPa	19Hz	15-25r/min	14m ³ /min	24.2m ³ /min	30m ³ /min	
Note: SD8 or DHD380 bits for SD80A hammers. SQ8 or QL80 bits for SQ80A hammers.						

8" B series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		SF85B/SM85B DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top subs	F85B01	34.00		
	2	O-Ring	F85B02	0.05		
	3	Check valve	F85B05	1.50		
	4	Spring	F85B07	0.20		
	5	Air Distributor	F85B11	6.00		
	6	Inner Cylinder	F85B13	6.50		
	7	Piston	F85B14	42.50		
	8	Piston case	F85B03	61.00		
	9	Guide sleeve	F85B17	5.30		
	10	O-Ring	F85B18	0.05		
	11	Bit Retaining Ring	F85B19	1.50		
	12	Chuck	F85B20	17.30		
13	Bit		40.50			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1338mm	176.00Kg	φ 180mm	SD8/SM8	φ 203-254	API 4 1/2 Reg	
Wor Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.0MPa	1.8MPa	2.4MPa	
1.0-2.5MPa	22Hz	15-25r/min	12m ³ /min	22m ³ /min	28m ³ /min	
Note: SD8 or DHD380 bits for SF85B hammers. SM8 or Mission 8 bits for SM85B hammers.						

WQ series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		WQ55B DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top Sub	WQ55B0101	18.5		
	2	Top Sub Outer O/Ring	F55B0201	0.01		
	3	Top Sub Inner O/Ring	F45B0901	0.01		
	4	Quad Ring	WQ55B0401	0.01		
	5	Check Valve	WQ55B0502	0.3		
	6	Check Valve Spring	WQ55B0702	0.02		
	7	Check Valve Holder	WQ55B0602	0.4		
	8	Dowel Pin	WQ55B0801	0.12		
	9	Central Control Tube	WQ55B1002	0.8		
	10	Air Plug	WQ55B1201	0.01		
		Air Plug (φ 4 hole)	WQ55B1202	0.01		
		Air Plug (φ 6 hole)	WQ55B1203	0.01		
	11	Piston	WQ55B1402	15.7		
	12	Outer Cylinder	WQ55B0302	24.7		
	13	Guide Sleeve	WQ55B1702	3.1		
14	Retaining Ring	WQ55B1904	0.3			
15	Drive Sub	WQ55B2003	5.3			
16	Drill Bit	QL50 Bit	/			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1065mm	69.3Kg	φ 126mm	SQ5/SD5	φ 138-152	API 3-1/2" REG PIN	
Work Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.5MPa	1.8MPa	2.4MPa	
1.3-2.6MPa	24.9Hz	20-45r/min	19.6m³/min	24.1m³/min	28.7m³/min	

WQ series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		WQ65BK DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top Sub	WQ65BK0101	25.2		
	2	Top Sub Outer O/Ring	WQ65BK0201	0.01		
	3	Top Sub Inner O/Ring	WQ65BK0901	0.01		
	4	Quad Ring	WQ65BK0401	0.01		
	5	Check Valve	WQ65BK0501	0.5		
	6	Check Valve Spring	WQ65BK0701	0.06		
	7	Check Valve Holder	WQ65BK0601	0.5		
	8	Dowel Pin	WQ65BK0801	0.2		
	9	Central Control Tube	WQ65BK1001	1.2		
	10	Air Plug	WQ65BK1201	0.01		
		Air Plug (φ 4 hole)	WQ65BK1202	0.01		
		Air Plug (φ 6 hole)	WQ65BK1203	0.01		
	11	Piston	WQ65BK1401	21.5		
	12	Outer Cylinder	WQ65BK0301	34.8		
	13	Guide Sleeve	WQ65BK1703	4.7		
14	Retaining Ring	WQ65BK1903	0.6			
15	Drive Sub	WQ65BK2001	6.3			
16	Drill Bit	QL60 Shank Bit	/			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1100mm	95.6Kg	φ 146mm	SQ6/SD6	φ 156-203	API 3-1/2" REG PIN	
Wor Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.5MPa	2MPa	2.4MPa	
1.3-2.6MPa	25Hz	20-45r/min	20.5m³/min	27m³/min	30.4m³/min	

WQ series

DTH structure diagram

SHAREATE SHAREATE TOOLS LTD.		WQ85B DTH HAMMER		High Air Pressure Without Foot Valve DTH Hammers		
	Item	Item Description	Part No .	Weight (Kg)		
	1	Top Sub	WQ85B0101	58.4		
	2	Top Sub Outer O/Ring	WQ85B0201	0.02		
	3	Top Sub Inner O/Ring	WQ85B0901	0.02		
	4	Quad Ring	WQ85B0401	0.7		
	5	Check Valve	WQ85B0501	0.6		
	6	Check Valve Spring	WQ85B0701	0.11		
	7	Check Valve Holder	WQ85B0601	0.8		
	8	Dowel Pin	WQ85B0801	0.3		
	9	Central Control Tube	WQ85B1001	1.7		
	10	Air Plug	WQ85B1201	0.02		
		Air Plug (φ 4 hole)	WQ85B1202	0.02		
		Air Plug (φ 6 hole)	WQ85B1203	0.01		
	11	Piston	WQ85B1401	42		
	12	Outer Cylinder	WQ85B0301	69.6		
	13	Guide Sleeve	WQ85B1701	9.2		
14	Retaining Ring	WQ85B1901	0.94			
15	Drive Sub	WQ85B2001	13.4			
16	Drill Bit	QL80 Shank Bit	/			
Technical Parameter						
Length (Less Bit, Backhead Shoulder to Chuck)	Weight(without Bit)	Outside Diameter	Bit Shank Type	Hole Range	Backhead Thread	
1377mm	192Kg	φ 185mm	SQ8/SD8	φ 200-254	API 4-1/2" REG PIN	
Wor Pressure	Impact Rate At 1.7MPa	Rotation Speed	Air consumption			
			1.5MPa	2MPa	2.4MPa	
1.4-2.7MPa	22.7Hz	20-45r/min	21.9m ³ /min	27.7m ³ /min	29.9m ³ /min	






Various series of bits

Schematic diagram and introduction of typical face structure

SHAREATE SHAREATE TOOLS LTD.	Faces selection guide	Hammer Bits Series
	<p>Concave Face</p> <p>Suitable for most rock formations, especially in medium-hard and homogeneous rock formations which has the best effect. The face feature help to reduce deviation of boreholes and allows good cutting flushing on bit face.</p>	
	<p>Convex Face</p> <p>Convex face is suitable for drilling soft-medium hard rock formations under low-medium air pressure. It is designed for fast penetration rate in soft-medium ground formation with a good wear profile; but it has less control on hole deviation.</p>	
	<p>Flat Face</p> <p>Flat face bits are genral purpose bit suitable for drilling extremely hard and abrasive rocks formation with high air pressure. Flat face bits have good penetration rates and good erosion pattern on bit body.</p>	
	<p>Drop Center Bit</p> <p>The drop center face design is best suited to the soft-medium hard formation, and formation with broken layers. The drop center bits have good penetration rate, and low hole deviation.</p>	
	<p>Gauge Face</p> <p>Double gauge row design is best suited for hard-very hard formation. The double gauge row configuration has good penetration and provides excellent wear resistance.</p>	

Various series of bits

Schematic diagram and introduction of matching carbide inserts

 SHAREATE TOOLS LTD.	Carbides selection guide	Hammer Bits Series
	<p>Spherical Button Mainly used for the edge cutting rows of the DTH bit which is suitable for the abrasive and very hard formation.face.</p>	
	<p>Ogive Button High exposure height,mainly used for ordinary rock hardness F10-14,improve the penetration rate and wear resistance.</p>	
	<p>Ballistic Button High exposure height,suitable for medium abrasion,medium hardness of the rock,fast penetration rate.</p>	
	<p>Flat Button Used for the side protection buttons of DTH bit to reduce the wear of outer body surface.</p>	

QL Series bits

 SHAREATE TOOLS LTD.	High Air Pressure Hammer Bits of DHD Series	Hammer Bits Series						
								
Optional for SD hammers	Face shape	Bit Dia. (Mm)	NO.Air Holes	Gauge Buttongs	Front Buttongs	Weight (Kg)	Part No.	
SD4 (COP44/ DHD340)	Flat	115	2	8 × φ 14.5	7 × φ 13	9.0	SD41151	
		125	2	8 × φ 16	7 × φ 14	10.3	SD41251	
		130	2	8 × φ 16	7 × φ 14	12.1	SD41301	
	Convex	115	2	7 × φ 16	6 × φ 14	9.0	SD41154	
		125	2	8 × φ 16	7 × φ 14	10.3	SD41254	
SD5 (COP54/ DHD350)	Flat	130	2	8 × φ 16	7 × φ 14	12.1	SD41304	
		140	2	8 × φ 16	8 × φ 14.5	16.0	SD51401	
		148	2	8 × φ 18	7 × φ 16	17.5	SD51481	
	Convex	152	2	8 × φ 18	7 × φ 16	18	SD51521	
		140	2	7 × φ 18	7 × φ 16	16.0	SD51404	
		148	2	8 × φ 18	7 × φ 16	17.5	SD51484	
	Concave	152	2	8 × φ 18	7 × φ 16	18.0	SD51524	
		140	2	8 × φ 16	8 × φ 14.5	16.0	SD51406	
		152	2	7 × φ 18	7 × φ 16	17.5	SD51526	
SD6 (COP64/ DHD360)	Flat	165	2	8 × φ 18	8 × φ 16	25.1	SD61651	
		178	2	8 × φ 18	8 × φ 18	27.2	SD61781	
		185	2	10 × φ 18	10 × φ 16	28.0	SD61851	
		190	2	10 × φ 19	10 × φ 18	29.0	SD61901	
	Convex	203	2	10 × φ 19	12 × φ 18	30.3	SD62031	
		165	2	8 × φ 18	8 × φ 16	25.1	SD61654	
		178	2	8 × φ 19	8 × φ 18	27.2	SD61784	
	Concave	203	2	8 × φ 19	8 × φ 18	33.0	SD62034	
		165	3	9 × φ 18	9 × φ 16	25.1	SD61656	
		178	3	9 × φ 18	11 × φ 16	27.3	SD61786	
	SD6 (COP84/ DHD380)	Flat	203	3	9 × φ 19	11 × φ 18	30.4	SD62036
			216	2	10 × φ 18	14 × φ 16	41.0	SD82031
235			2	12 × φ 18	15 × φ 16	44.0	SD82161	
Concave		254	2	12 × φ 18	18 × φ 18	53.2	SD82541	
		203	3	9 × φ 19	12 × φ 16	41.0	SD82036	
		216	3	9 × φ 19	14 × φ 16	44.0	SD82166	
		229	3	12 × φ 19	16 × φ 18	47.8	SD82296	
		254	3	12 × φ 19	18 × φ 18	53.2	SD82546	

QL Series bits



Optional for SD hammers	Face shape	Bit Dia. (Mm)	NO.Air Holes	Gauge Buttongs	Front Buttongs	Weight (Kg)	Part No.
SQ5 (QL50)	Flat	140	2	8 × φ 16	8 × φ 14.5	16.0	SQ51401
		148	2	8 × φ 18	7 × φ 16	16.5	SQ51481
		152	2	8 × φ 18	7 × φ 16	17.0	SQ51521
	Convex	140	2	7 × φ 18	7 × φ 16	16.0	SQ51404
		148	2	8 × φ 18	7 × φ 16	16.5	SQ51484
		152	2	8 × φ 18	7 × φ 16	17.0	SQ51524
	Concave	140	2	8 × φ 16	8 × φ 14.5	16.0	SQ51406
		152	2	7 × φ 18	7 × φ 16	17.0	SQ51526
	SQ6 (QL60)	Flat	165	2	8 × φ 18	8 × φ 16	25.1
178			2	8 × φ 18	8 × φ 18	27.8	SQ61781
185			2	10 × φ 18	10 × φ 16	28.5	SQ61851
190			2	10 × φ 19	10 × φ 18	29.0	SQ61901
Convex		203	2	10 × φ 19	12 × φ 18	33.0	SQ62031
		165	2	8 × φ 18	8 × φ 16	25.1	SQ61654
		178	2	8 × φ 19	8 × φ 18	27.8	SQ61784
Concave		200	2	8 × φ 19	8 × φ 18	32.5	SQ62004
		165	3	9 × φ 18	9 × φ 16	25.1	SQ61656
		178	3	9 × φ 18	11 × φ 16	27.8	SQ61786
SQ8 (QL80)	Flat	203	2	10 × φ 18	14 × φ 16	41.0	SQ82031
		216	2	10 × φ 18	15 × φ 16	44.0	SQ82161
		235	2	12 × φ 18	16 × φ 18	49.0	SQ82351
		254	2	12 × φ 18	18 × φ 18	53.2	SQ82541
	Concave	203	3	9 × φ 19	12 × φ 16	41.0	SQ82036
		216	3	9 × φ 19	14 × φ 16	44.0	SQ82166
		229	3	12 × φ 19	16 × φ 18	47.8	SQ82296
		254	3	12 × φ 19	18 × φ 18	53.2	SQ82546

MISSION Series bits



Optional for SD hammers	Face shape	Bit Dia. (Mm)	NO.Air Holes	Gauge Buttongs	Front Buttongs	Weight (Kg)	Part No.
SM4 (M40)	Flat	115	2	8 × φ 14.5	7 × φ 13	9.0	SM41151
		115	2	7 × φ 16	6 × φ 14	9.0	SM41154
	Convex	130	2	8 × φ 16	7 × φ 14	12.1	SM41304
SM5 (M50)	Flat	140	2	8 × φ 16	8 × φ 14.5	17.0	SM51401
		148	2	8 × φ 18	7 × φ 16	17.5	SM51481
		152	2	8 × φ 18	7 × φ 16	18	SM51521
	Convex	140	2	7 × φ 18	7 × φ 16	17.0	SM51404
		148	2	8 × φ 18	7 × φ 16	17.5	SM51484
		152	2	8 × φ 18	7 × φ 16	18.0	SM51524
		Concave	140	2	8 × φ 16	8 × φ 14.5	17.0
152	2	7 × φ 18	7 × φ 16	18.0	SM51526		
SM6 (M60)	Flat	165	2	8 × φ 18	8 × φ 16	25.1	SM61651
		178	2	8 × φ 18	8 × φ 18	27.2	SM61781
		185	2	10 × φ 18	10 × φ 16	28.5	SM61851
		190	2	10 × φ 19	10 × φ 18	31.0	SM61901
		203	2	10 × φ 19	12 × φ 18	33.0	SM62031
	Convex	165	2	8 × φ 18	8 × φ 16	25.1	SM61654
		178	2	8 × φ 19	8 × φ 18	27.2	SM61784
		203	2	8 × φ 19	8 × φ 18	32.0	SM62034
	Concave	165	3	9 × φ 18	9 × φ 16	25.1	SM61656
		178	3	9 × φ 18	11 × φ 16	27.3	SM61786
SM8 (M80)	Flat	203	2	10 × φ 18	14 × φ 16	40.5	SM82031
		216	2	10 × φ 18	15 × φ 16	45.0	SM82161
		235	2	12 × φ 18	16 × φ 18	49.0	SM82351
		254	2	12 × φ 18	18 × φ 18	53.2	SM82541
		Concave	203	3	9 × φ 19	12 × φ 16	40.5
	Concave	216	3	9 × φ 19	14 × φ 16	45.0	SM82166
		229	3	12 × φ 19	16 × φ 18	49.0	SM82296
		254	3	12 × φ 19	18 × φ 18	53.2	SM82546