

GSE DTH Hammer



GSE-DHD3.5 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	DHD3.5-01	5.08
	02 -O ring	DHD3.5-02	0.01
	03-check valve dart	DHD3.5-03	0.14
	04-Spring	DHD3.5-04	0.02
	05-steel washer	DHD3.5-05	0.10
	06-rigid valve	DHD3.5-06	0.82
	07-O ring	DHD3.5-07	0.01
	08-internal cylinder	DHD3.5-08	1.20
	09-piston	DHD3.5-09	5.08
	10-out tube	DHD3.5-10	8.24
	11- bit retainer ring	DHD3.5-12	0.12
	12- O ring	DHD3.5-13	0.01
	13- drive sub	DHD3.5-14	1.79
Seal kit:		DHD3.5-SK	0.03
02 x 1			
07 x 1			
12 x 1			
Repair kit:		DHD3.5-RK	15.14
01 x 1			
10 x 1			
13 x 1 seal kit x 1			

Bit Shank
DHD3.5

GSE-DHD3.5 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
22.62 kgs	80 mm	808 mm		32 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
90mm-105mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		4.5	9.5	12.5

GSE-DHD340 DTH hammer

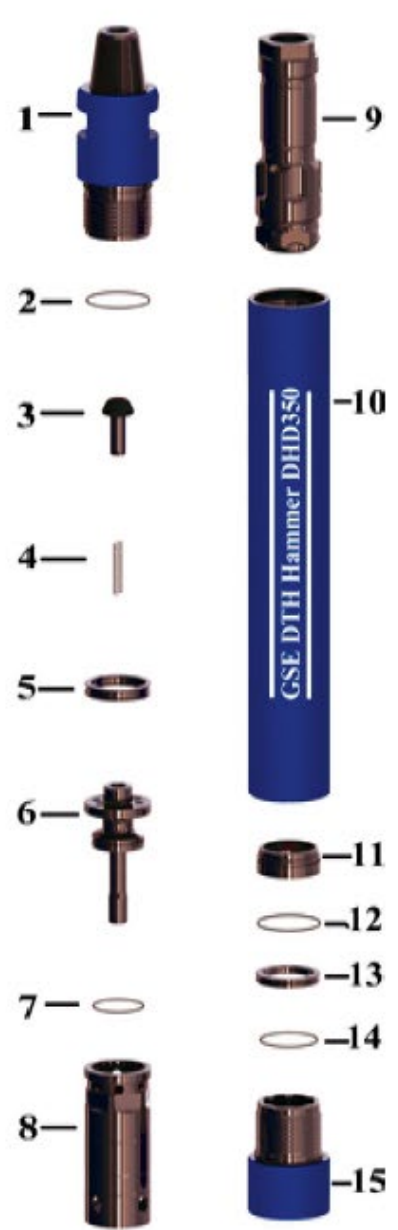
DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	DHD340-01	7.00
	02 -O ring	DHD340-02	0.01
	03-check valve dart	DHD340-03	0.30
	04-Spring	DHD340-04	0.05
	05-steel washer	DHD340-05	0.15
	06-rigid valve	DHD340-06	1.40
	07-O ring	DHD340-07	0.01
	08-internal cylinder	DHD340-08	2.00
	09-piston	DHD340-09	8.20
	10-out tube	DHD340-10	15.00
	11- bit retainer ring	DHD340-12	0.34
	12- O ring	DHD340-13	0.01
	13- drive sub	DHD340-14	4.00
	Seal kit:		DHD340-SK
02 x 1			
07 x 1			
12 x 1			
Repair kit:		DHD340-RK	26.03
01 x 1			
10 x 1			
13 x 1 seal kit x 1			

Bit Shank
DHD340

GSE-DHD340 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
38.00 kgs	99 mm	881 mm		31 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
108mm-130mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		5	10.2	15

GSE-DHD350 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	DHD350-01	19.00
	3 1/2" API Reg pin	DHD350-01	19.50
	02 -O ring	DHD350-02	0.01
	03-check valve dart	DHD350-03	0.30
	04-Spring	DHD350-04	0.05
	05-steel washer	DHD350-05	0.27
	06-rigid valve	DHD350-06	2.82
	07-O ring	DHD350-07	0.01
	08-internal cylinder	DHD350-08	3.15
	09-piston	DHD350-09	14.58
	10-out tube	DHD350-10	25.11
	11-locating sleeve	DHD350-11	0.59
	12-O ring	DHD350-12	0.01
	13- bit retainer ring	DHD350-13	0.33
	14-O ring	DHD350-14	0.01
15- drive sub	DHD350-15	6.96	
Seal kit:		DHD350-SK	0.04
02 x 1 14 x 1			
07 x 1			
12 x 1			
Repair kit:		DHD350-RK	51.61
01 x 1			
10 x 1			
15 x 1 seal kit x 1			

Bit Shank
DHD350



GSE- DHD350- DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
74.0 kgs	126mm	992 mm		30 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
134mm-152mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		7.5	14.7	19.5

GSE-DHD360 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 3 1/2" API Reg pin	DHD360-01	22.14
	02 -O ring	DHD360-02	0.01
	03-check valve dart	DHD360-03	0.80
	04-Choke blank (optional)	DHD360-04	0.01
	05-Spring	DHD360-05	0.05
	06 -Disc Spring	DHD360-06	0.35
	07-Steel washer	DHD360-07	0.28
	08-Rigid valve	DHD360-08	3.52
	09-O ring	DHD360-09	0.01
	10-Internal cylinder	DHD360-10	4.45
	11-Piston	DHD360-11	23.87
	12-Out tube	DHD360-12	32.57
	13-Retainer sleeve	DHD360-13	2.62
	14-O ring	DHD360-14	0.01
	15-Bit retainer ring	DHD360-15	0.84
	16-O ring	DHD360-16	0.01
	17-Drive sub	DHD360-17	8.94
Seal kit:		DHD360-SK	0.05
02 x 1	14 x 2		
09 x 1	16 x 1		
Repair kit:		DHD360-RK	63.71
01 x 1			
12 x 1			
17x 1	seal kit x 1		

Bit Shank
DHD360

GSE-DHD360 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
110.0 kgs	144 mm	1135 mm		28 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
154mm-254mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		8.7	14.5	25

GSE-DHD380 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 4 1/2" API Reg pin	DHD380-01	40.48
	02 -O ring	DHD380-02	0.01
	03-check valve dart	DHD380-03	0.80
	04-Choke blank (optional)	DHD380-04	0.01
	05-Spring	DHD380-05	0.05
	06 -Disc Spring	DHD380-06	0.80
	07-Steel washer	DHD380-07	1.13
	08-Rigid valve	DHD380-08	8.15
	09-O ring	DHD380-09	0.01
	10-Internal cylinder	DHD380-10	7.30
	11-Piston	DHD380-11	41.31
	12-Out tube	DHD380-12	59.85
	13-Bit retainer ring	DHD380-13	1.52
	14-O ring	DHD380-14	0.01
	15-Drive sub	DHD380-15	18.21
Seal kit:		DHD380-SK	0.03
02 x 1			
09 x 1			
14 x 1			
Repair kit:		DHD380-RK	118.57
01 x 1			
12 x 1			
15 x 1 seal kit x 1			

Bit Shank
DHD380



GSE- DHD380 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
180.0 kgs	182 mm	1228 mm		23 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
203mm-305mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		12	26	35

GSE-QL40 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	QL40-01	7
	02 -O ring	QL40-02	0.01
	03-check valve dart	QL40-03	0.3
	04-Spring	QL40-04	0.05
	05-steel washer	QL40-05	0.15
	06-rigid valve	QL40-06	1.4
	07-O ring	QL40-07	0.01
	08-internal cylinder	QL40-08	2
	09-piston	QL40-09	8.2
	10-out tube	QL40-10	15
	11-retainer sleeve	QL40-11	0.77
	12-bit retainer ring	QL40-12	0.34
	13-O ring	QL40-13	0.01
	14-drive sub	QL40-14	4
Seal kit:		QL40-SK	0.03
02 x 1			
07 x 1			
13 x 1			
Repair kit:		QL40-RK	26
01 x 1			
10 x 1			
14 x 1			
Seal kit x 1			

Bit shank: QL40

GSE-QL40 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
40 kgs	99 mm	952 mm		31 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
108mm-130mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		5	10	15

GSE-QL50 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01: top sub 2 3/8" API Reg	QL50-01	19
	Top sub 3 1/2" API Reg	QL50-01A	20
	02: O ring	QL50-02	0.01
	03: check valve dart	QL50-03	0.3
	04: spring	QL50-04	0.05
	05: steel washer	QL50-05	0.3
	06: rigid valve	QL50-06	2.8
	07: O ring	QL50-07	0.01
	08: internal cylinder	QL50-08	3.2
	09: piston	QL50-09	15.3
	10: out tube	QL50-10	25
	11: retainer sleeve	QL50-11	0.6
	12: O ring	QL50-12	0.01
	13: bit retainer ring	QL50-13	0.33
	14: O ring	QL50-14	0.01
15: drive sub	QL50-15	7	
Sea kit:		QL50-SK	0.04
02 x 1, 14 x 1			
07 x 1			
12 x 1			
Repair kit:		QL50-RK	52
1 x 1			
10 x 1			
15 x 1			
Seal kit x 1			
Bit shank: QL50			

GSE-QL50 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
74 kgs	126 mm	972 mm		30 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
134 mm-152mm	8 bar-30 bar	@ 10 bar	@ 18 bar	@ 24 bar
		7.5	14.7	19.5

GSE-QL60 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 3 1/2" API Reg	QL60-01	22
	02-O ring	QL60-02	0.01
	03-check valve dart	QL60-03	0.8
	04-choke blank (optional)	QL60-04	0.04
	05-Spring	QL60-05	0.35
	06-disk spring	QL60-06	0.28
	07-steel washer	QL60-07	0.3
	08-rigid valve	QL60-08	3.5
	09-o ring	QL60-09	0.01
	10-internal cylinder	QL60-10	4.5
	11-piston	QL60-11	24
	12-out tube	QL60-12	31
	13-retainer sleeve	QL60-13	1.2
	14-O ring	QL60-14	0.01
	15-bit retainer ring	QL60-15	0.6
	16-O ring	QL60-16	0.01
	17-drive sub	QL60-17	7.3
Seal kit		QL60-SK	0.04
02 x 1 09 x 1			
14 x 1 16 x 1			
Repair kit		QL60-RK	60
01 x 1 12 x 1			
17 x 1 seal kit x 1			

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Bit shank: QL60

GSE-QL60 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
112 kgs	144 mm	1080 mm		28 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
154mm-254mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		8.7	14.5	25

GSE-QL80 DTH hammer

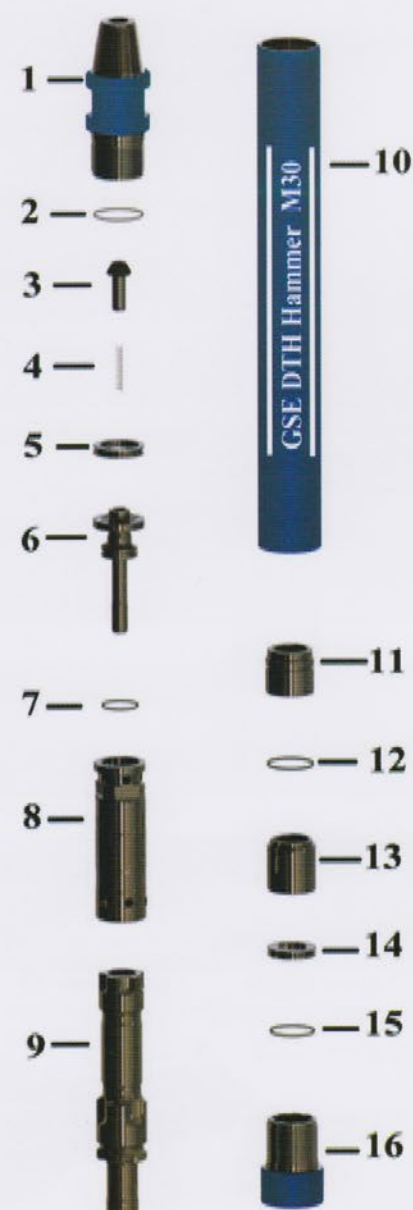
DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 4 1/2" API Reg	QL80-01	41
	02-O ring	QL80-02	0.01
	03-check valve dart	QL80-03	0.8
	04-choke blank (optional)	QL80-04	0.04
	05-spring	QL80-05	0.05
	06-disc spring	QL80-06	0.8
	07-steel washer	QL80-07	1.13
	08-rigid valve	QL80-08	8.2
	09-O ring	QL80-09	0.01
	10-internal cylinder	QL80-10	7.3
	11-piston	QL80-11	41
	12-out tube	QL80-12	60
	13-retainer sleeve	QL80-13	3.3
	14-O ring	QL80-14	0.01
	15-bit retainer ring	QL80-15	1.5
	16-O ring	QL80-16	0.01
	17-drive sub	QL80-17	13.2
Seal kit		QL80-SK	0.04
02 x 1	09 x 1		
14 x 1	16 x 1		
Repair kit		QL80-RK	113
01 x 1	12 x 1		
17 x 1	seal kit x 1		

Bit shank: QL80

GSE-QL80 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
198 kgs	182 mm	1211 mm		23 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
203mm-305mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		12	26	35


GSE-Mission30 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	M30-01	5.08
	02 -O ring	M30-02	0.01
	03-check valve dart	M30-03	0.14
	04-Spring	M30-04	0.10
	05-steel washer	M30-05	0.15
	06-rigid valve	M30-06	0.82
	07-O ring	M30-07	0.01
	08-internal cylinder	M30-08	1.20
	09-piston	M30-09	5.08
	10-out tube	M30-10	8.24
	11-guide sleeve	M30-11	0.82
	12-O ring	M30-12	0.01
	13- retainer sleeve	M30-13	0.30
	14- bit retainer ring	M30-14	0.12
	15-O ring	M30-15	0.01
	16-drive sub	M30-16	1.80

Seal kit:	M30-SK	0.04
02 x 1 15 x 1		
07 x 1		
12 x 1		

Repair kit:	M30-RK	15.16
01 x 1		
10 x 1		
16 x 1 seal kit x 1		

Bit Shank
Mission30



GSE-Mission30 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
23 kgs	80 mm	909 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
90mm-105mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		3.8	8	11.5

GSE-Mission40 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	M40-01	7.00
	02 -O ring	M40-02	0.01
	03-check valve dart	M40-03	0.3
	04-Spring	M40-04	0.05
	05-steel washer	M40-05	0.15
	06-rigid valve	M40-06	1.40
	07-O ring	M40-07	0.01
	08-internal cylinder	M40-08	2.00
	09-piston	M40-09	9.04
	10-out tube	M40-10	15.7
	11-guide sleeve	M40-11	1.05
	12- bit retainer ring	M40-12	0.48
	13- O ring	M40-13	0.01
	14- drive sub	M40-14	3.13
Seal kit:		M40-SK	0.03
02 x 1			
07 x 1			
13 x 1			
Repair kit:		M40-RK	26.40
01 x 1			
10 x 1			
14 x 1 seal kit x 1			

Bit Shank
Mission40

GSE-Mission40 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
38.5 kgs	99mm	955 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
108mm-130mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		4.5	9	14

GSE-Mission50 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	M50-01	19.00
	3 1/2" API Reg pin	M50-01	19.50
	02 -O ring	M50-02	0.01
	03-check valve dart	M50-03	0.3
	04-Spring	M50-04	0.05
	05-steel washer	M50-05	0.30
	06-rigid valve	M50-06	2.82
	07-O ring	M50-07	0.01
	08-internal cylinder	M50-08	3.15
	09-piston	M50-09	15.62
	10-out tube	M50-10	27.45
	11-guide sleeve	M50-11	2.48
	12- bit retainer ring	M50-12	0.65
	13- O ring	M50-13	0.01
14- drive sub	M50-14	7.16	
Seal kit:		M50-SK	0.03
02 x 1			
07 x 1			
13 x 1			
Repair kit:		M50-RK	54.14
01 x 1			
10 x 1			
14 x 1 seal kit x 1			

Bit Shank
Mission50

260

GSE-Mission50 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
74.0 kgs	126mm	1043 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
134mm-152mm	8 bar-30 bar	@ 10 bar	@ 18 bar	@ 24 bar
		6.5	12.5	17

GSE-Mission60 DTH hammer

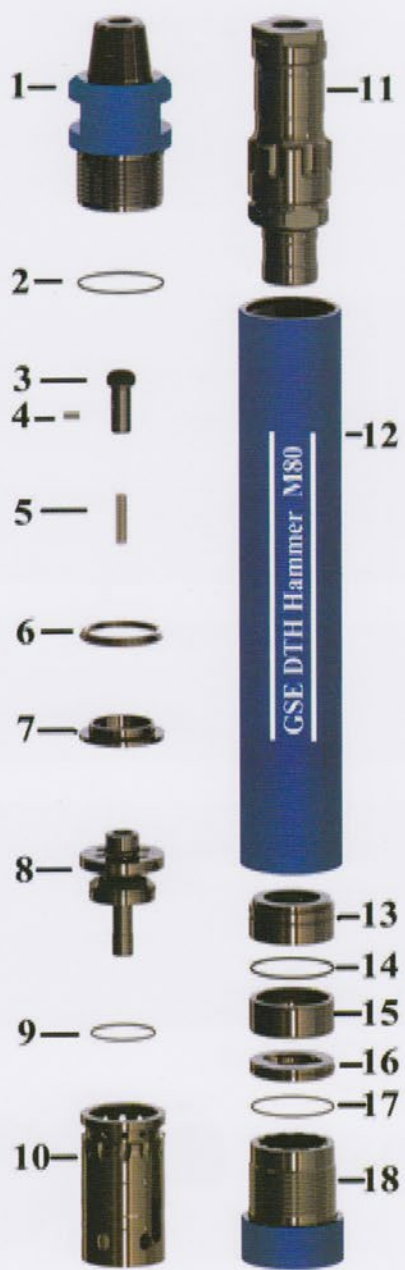
DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 3 1/2" API Reg pin	M60-01	22.14
	02 -O ring	M60-02	0.01
	03-check valve dart	M60-03	0.80
	04-Choke blank (optional)	M60-04	0.01
	05-Spring	M60-05	0.05
	06 -Disc Spring	M60-06	0.35
	07-Steel washer	M60-07	0.28
	08-Rigid valve	M60-08	3.52
	09-O ring	M60-09	0.01
	10-Internal cylinder	M60-10	4.45
	11-Piston	M60-11	24.12
	12-Out tube	M60-12	32.57
	13-Guide sleeve	M60-13	3.00
	14-Bit retainer ring	M60-14	0.84
	15-Drive sub	M60-15	8.94
Seal kit:		M60-SK	0.02
02 x 1			
09 x 1			
Repair kit:		M60-RK	63.13
01 x 1			
12 x 1			
15x 1 seal kit x 1			

Bit Shank
Mission60

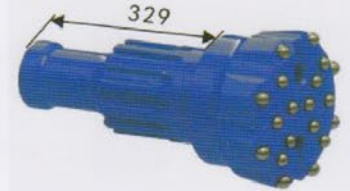
GSE-Mission60 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits	Frequency at 18 bar
112.5 kgs	144 mm	1108 mm	30 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min	
152mm-254mm	8 bar-30 bar	@ 10 bar	@ 18 bar
		7.5	16
			@ 24 bar
			24

GSE-Mission80 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	M80-01	40.48
	02 -O ring	M80-02	0.01
	03-check valve dart	M80-03	0.80
	04-Choke blank (optional)	M80-04	0.01
	05-Spring	M80-05	0.05
	06 -Disc Spring	M80-06	0.80
	07-Steel washer	M80-07	1.13
	08-Rigid valve	M80-08	8.15
	09-O ring	M80-09	0.01
	10-Internal cylinder	M80-10	7.30
	11-Piston	M80-11	45.72
	12-Out tube	M80-12	64.97
	13-Guide sleeve	M80-13	4.20
	14-O ring	M80-14	0.01
	15-Locating sleeve	M80-15	2.62
	16-Bit retainer ring	M80-04	2.22
	17-O ring	M80-05	0.01
	18 -Drive sub	M80-06	16.20
Seal kit:		M80-SK	0.04
02 x 1 15 x 1			
09 x 1			
Repair kit:		M80-RK	121.68
01 x 1			
12 x 1 seal kit x 1			

Bit Shank
Mission80



GSE-Mission80 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
180.0 kgs	182 mm	1298 mm		25 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
203mm-305mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		10	24	33

GSE-SD4 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 2 3/8" API Reg	SD4-01	7
	02-O ring	SD4-02	0.01
	03-check valve dart	SD4-03	0.3
	04-spring	SD4-04	0.05
	05-steel washer	SD4-05	1.15
	06-rigid valve	SD4-06	1.4
	07-O ring	SD4-07	0.01
	08-internal cylinder	SD4-08	2
	09-piston	SD4-09	8.2
	10- piston case	SD4-10	15
	11-bit retainer ring	SD4-11	0.34
	12-O ring	SD4-12	0.01
	13-drive sub	SD4-13	4
Seal kit		SD4-SK	0.03
02 x 1			
07x 1			
12x 1			
Repair kit		SD4-RK	26.03
01 x 1			
10 x 1			
13 x 1 seal kit x 1			

Bit shank: SD4



GSE-SD4 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
39kgs	99 mm	932mm		31 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
108mm-130mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		5	10.2	15

GSE-SD5 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 2 3/8" API Reg	SD5-01	19
	3 1/2" API Reg	SD5-01A	19.5
	02-O ring	SD5-02	0.01
	03-check valve dart	SD5-03	0.3
	04-spring	SD5-04	0.05
	05-steel washer	SD5-05	0.27
	06-rigid valves	SD5-06	2.82
	07-O ring	SD5-07	0.01
	08-internal cylinder	SD5-08	3.15
	09-piston	SD5-09	15.33
	10- piston case	SD5-10	25.11
	11-bit retainer ring	SD5-11	0.51
	12-O ring	SD5-12	0.01
13-drive sub	SD5-13	6.96	
Seal kit		SD5-SK	0.03
02 x 1			
07x 1			
12x 1			
Repair kit		SD5-RK	51.10
01 x 1			
10 x 1			
13 x 1 seal kit x 1			

Bit shank: SD5

GSE-SD5 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
74kgs	126 mm	1043mm		30 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
138mm-152mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		7.5	14.7	19.5

GSE-SD6 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 3 1/2" API Reg	SD6-01	22.14
	02-O ring	SD6-02	0.01
	03-check valve dart	SD6-03	0.8
	04-choke blank (optional)	SD6-04	0.01
	05-spring	SD6-05	0.05
	06-disc spring	SD6-06	0.35
	07-steel washer	SD6-07	0.28
	08-rigid valve	SD6-08	3.52
	09-O ring	SD6-09	0.01
	10-internal cylinder	SD6-10	4.45
	11-piston	SD6-11	23.93
	12- piston case	SD6-12	32.57
	13-bit retainer ring	SD6-13	0.69
	14-O ring	SD6-14	0.01
	15-drive sub	SD6-15	11.18
Seal kit		SD6-SK	0.03
02 x 1			
09x 1			
14x 1			
Repair kit		SD6-RK	65.92
01 x 1			
12x 1			
15 x 1 seal kit x 1			

Bit shank: SD6



GSE-SD6 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
113kgs	144 mm	1150mm		28 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
154mm-254mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		8.7	14.5	25

GSE-SD8 DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 4 1/2" API Reg	SD8-01	40.48
	02-O ring	SD8-02	0.01
	03-check valve dart	SD8-03	0.8
	04-choke blank (optional)	SD8-04	0.01
	05-spring	SD8-05	0.05
	06-disc spring	SD8-06	0.8
	07-steel washer	SD8-07	1.13
	08-rigid valve	SD8-08	8.15
	09-O ring	SD8-09	0.01
	10-internal cylinder	SD8-10	7.3
	11-piston	SD8-11	41.71
	12- piston case	SD8-12	58.10
	13-bit retainer ring	SD8-13	1.91
	14-O ring	SD8-14	0.01
	15-retainer sleeve	SD8-15	2.43
	16-drive sub	SD8-15	20.16
Seal kit		SD8-SK	0.03
02 x 1 14x 1			
09x 1			
Repair kit		SD8-RK	118.77
01 x 1			
12x 1			
16 x 1 seal kit x 1			

Bit shank: SD8

GSE-SD8 DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
182kgs	182mm	1199mm		23 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
203mm-305mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		12	26	35

GSE-DHD2.5N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: T42 x 10x2	DHD2.5N-01	3.34
	02-check valve dart	DHD2.5N -02	0.10
	03-Spring	DHD2.5N -03	0.02
	04-rigid valve	DHD2.5N -04	0.45
	05-internal cylinder	DHD2.5N -05	0.97
	06-piston	DHD2.5N -06	4.00
	07-piston case	DHD2.5N -07	5.96
	08-guide sleeve	DHD2.5N -08	0.55
	09- bit retainer ring	DHD2.5N -09	0.06
	10- O ring	DHD2.5N -10	0.01
	11- drive sub	DHD2.5N -11	1.74
Seal kit: 10 x 1		DHD2.5N -SK	0.01
Repair kit: 01 x 1 07x 1 11 x 1 seal kit x 1		DHD2.5N -RK	11.05

Bit Shank
DHD2.5N

GSE-DHD2.5N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
17.5 kgs	70 mm	806 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
76mm-80mm	8 bar-24 bar	@ 10 bar	@18 bar	@ 24 bar
		2	4	6

GSE-DHD3.5N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg	DHD3.5N-01	5.08
	02 -O ring	DHD3.5N-02	0.01
	03-check valve dart	DHD3.5N-03	0.14
	04-Spring	DHD3.5N-04	0.02
	05-steel washer	DHD3.5N-05	0.10
	06-rigid valve	DHD3.5N-06	0.82
	07-O ring	DHD3.5N-07	0.01
	08-internal cylinder	DHD3.5N-08	1.20
	09-piston	DHD3.5N-09	5.27
	10-piston case	DHD3.5N-10	9.10
	11- guide sleeve	DHD3.5N-11	0.82
	12- O ring	DHD3.5N-12	0.01
	13- bit retainer ring	DHD3.5N-13	0.12
	14- O ring	DHD3.5N-14	0.01
	15- drive sub	DHD3.5N-15	1.79

Seal kit:	DHD3.5N-SK	0.03
02 x 1	14 x 1	
07 x 1		
12 x 1		

Repair kit:	DHD3.5N-RK	15.14
01 x 1		
10 x 1		
15 x 1	seal kit x 1	

Bit Shank
DHD3.5N

180

GSE-DHD3.5N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
24.5 kgs	80 mm	863 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
90mm-105mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		3.8	8	11.5

GSE-DHD340N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	DHD340N-01	7.00
	02 -O ring	DHD340N-02	0.01
	03-check valve dart	DHD340N-03	0.30
	04-Spring	DHD340N-04	0.05
	05-steel washer	DHD340N-05	0.15
	06-rigid valve	DHD340N-06	1.40
	07-O ring	DHD340N-07	0.01
	08-internal cylinder	DHD340N-08	2.00
	09-piston	DHD340N-09	9.04
	10-piston case	DHD340N-10	15.7
	11-guide sleeve	DHD340N-11	1.05
	12- bit retainer ring	DHD340N-12	0.21
	13- O ring	DHD340N-13	0.01
	14- drive sub	DHD340N-14	3.57
Seal kit:		DHD340N-SK	0.03
02 x 1			
07 x 1			
13 x 1			
Repair kit:		DHD340N-RK	26.03
01 x 1			
10 x 1			
14 x 1 seal kit x 1			

Bit Shank
DHD340N

GSE-DHD340N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
40.5 kgs	99 mm	936 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
108mm-130mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		54.5	9	14

GSE-DHD350N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 2 3/8" API Reg pin	DHD350N-01	19.00
	3 1/2" API Reg pin	DHD350N-01	19.50
	02 -O ring	DHD350N-02	0.01
	03-check valve dart	DHD350N-03	0.30
	04-Spring	DHD350N-04	0.05
	05-steel washer	DHD350N-05	0.30
	06-rigid valve	DHD350N-06	2.82
	07-O ring	DHD350N-07	0.01
	08-internal cylinder	DHD350N-08	3.15
	09-piston	DHD350N-09	14.58
	10-piston case	DHD350N-10	27.45
	11-guide sleeve	DHD350N-11	2.48
	12- bit retainer ring	DHD350N-12	0.33
	13-O ring	DHD350N-13	0.01
14- drive sub	DHD350N-14	6.96	
Seal kit:		DHD350N-SK	0.03
02 x 1			
07 x 1			
13 x 1			
Repair kit:		DHD350N-RK	53.44
01 x 1			
10 x 1			
14 x 1 seal kit x 1			

Bit Shank
DHD350N

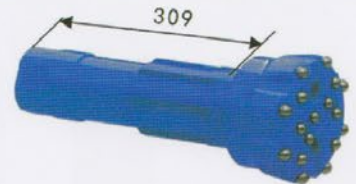
GSE- DHD350N- DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
74.0 kgs	126mm	1045 mm		33 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
138mm-152mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		6.5	12.5	17

GSE-DHD360N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 3 1/2" API Reg pin	DHD360N-01	22.14
	02 -O ring	DHD360N-02	0.01
	03-check valve dart	DHD360N-03	0.80
	04-Choke blank (optional)	DHD360N-04	0.01
	05-Spring	DHD360N-05	0.05
	06 -Disc Spring	DHD360N-06	0.35
	07-Steel washer	DHD360N-07	0.28
	08-Rigid valve	DHD360N-08	3.52
	09-O ring	DHD360N-09	0.01
	10-Internal cylinder	DHD360N-10	4.45
	11-Piston	DHD360-N11	24.12
	12-piston case	DHD360N-12	35.53
	13-guide sleeve	DHD360N-13	2.92
	14-Retainer sleeve	DHD360N-14	2.62
	15-O ring	DHD360N-15	0.01
	16-Bit retainer ring	DHD360N-16	0.84
	17-O ring	DHD360N-17	0.01
	18-Drive sub	DHD360N-18	8.94
Seal kit:		DHD360N-SK	0.05
02 x 1 15 x 1			
09 x 1 17 x 1			
Repair kit:		DHD360N-RK	63.71
01 x 1			
12 x 1			
18 x 1 seal kit x 1			

Bit Shank
DHD360N



GSE-DHD360N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
105kgs	144 mm	1108 mm		30 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
152mm-254mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		7.5	16	24

GSE-DHD380N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01- top sub: 4 1/2" API Reg pin	DHD380N-01	40.48
	02 -O ring	DHD380N-02	0.01
	03-check valve dart	DHD380N-03	0.80
	04-Choke blank (optional)	DHD380N-04	0.01
	05-Spring	DHD380N-05	0.05
	06 -Disc Spring	DHD380N-06	0.80
	07-Steel washer	DHD380N-07	1.13
	08-Rigid valve	DHD380N-08	8.15
	09-O ring	DHD380N-09	0.01
	10-Internal cylinder	DHD380N-10	7.30
	11-Piston	DHD380N-11	45.72
	12-piston case	DHD380N-12	64.97
	13-guide sleeve	DHD380N-13	4.2
	14- O ring	DHD380N-14	0.01
	15-locating sleeve	DHD380N-15	1.88
	16-Bit retainer ring	DHD380N-16	1.52
	17-O ring	DHD380N-17	0.01
	18-Drive sub	DHD380N-18	18.21
Seal kit:		DHD380N-SK	0.04
02 x 1	14 x 1		
09 x 1	17 x 1		
Repair kit:		DHD380N-RK	123.7
01 x 1	12 x 1		
18 x 1	seal kit x 1		

Bit Shank
DHD380N

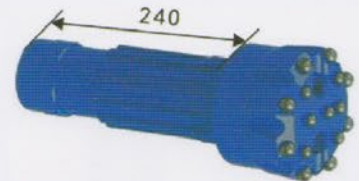
GSE- DHD380N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
195 kgs	182 mm	1318 mm		25 HZ
Rec. hole size	Working pressure	Air consumption: M ³ (CBM)/min		
203mm-305mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		10	24	33

GSE-QL50N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 2 3/8" API Reg	QL50N-01	19.0
	3 1/2" API Reg	QL50N-01A	19.5
	02-0 ring	QL50N-02	0.01
	03-check valve dart	QL50N -03	0.3
	04-spring	QL50N -04	0.05
	05-steel washer	QL50N -05	0.3
	06-rigid valve	QL50N -06	2.8
	07-O ring	QL50N -07	0.01
	08-internal cylinder	QL50N -08	3.2
	09-piston	QL50N -09	15.6
	10- piston case	QL50N -10	27.5
	11- guide sleeve	QL50N -11	2.0
	12-retainer sleeve	QL50N -12	0.75
	13-O ring	QL50N -13	0.01
	14-bit retainer ring	QL50N -14	0.35
	15-O ring	QL50N -15	0.01
16-drive sub	QL50N -16	5.3	
Seal kit		QL50N -SK	0.04
02 x 1 13x 1			
07x 1 15 x 1			
Repair kit		QL50N -RK	52
01 x 1 10 x 1			
16 x 1 seal kit x 1			

Bit shank: QL50N



GSE-QL50N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
73 kgs	126 mm	1025 mm		33 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
138mm-152mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		6.5	12.5	17

GSE-QL60N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 3 1/2" API Reg	QL60N-01	22.1
	02-O ring	QL60N-02	0.01
	03-check valve dart	QL60N -03	0.8
	04-choke blank (optional)	QL60N -04	0.01
	05-spring	QL60N -05	0.05
	06-disc spring	QL60N -06	0.35
	07-steel washer	QL60N -07	0.28
	08-rigid valve	QL60N -08	3.52
	09-O ring	QL60N -09	0.01
	10-internal cylinder	QL60N -10	4.45
	11-piston	QL60N -11	24.1
	12- piston case	QL60N -12	33.4
	13- guide sleeve	QL60N -13	2.92
	14-retainer sleeve	QL60N -14	1.20
	15-O ring	QL60N -15	0.01
	16-bit retainer ring	QL60N -16	0.58
	17-O ring	QL60N -17	0.01
	18-drive sub	QL60N -18	7.3
Seal kit	QL60N -SK	0.04	
02 x 1 15x 1			
09x 1 17x 1			
Repair kit	QL60N -RK	62.87	
01 x 1 18x 1			
12 x 1 seal kit x 1			

Bit shank: QL60N



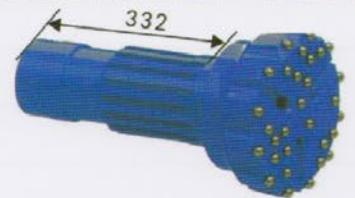
GSE-QL60N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
108 kgs	144 mm	1131 mm		30 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
152mm-254mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		7.5	16	24

GSE-QL80N DTH hammer

DTH hammer exploded view	Parts name	Part number	Approx. weight(kg)
	01-top sub: 4 1/2" API Reg	QL80N-01	40.48
	02-O ring	QL80N-02	0.01
	03-check valve dart	QL80N-03	0.8
	04-choke blank (optional)	QL80N-04	0.01
	05-spring	QL80N-05	0.05
	06-disc spring	QL80N-06	0.8
	07-steel washer	QL80N-07	1.13
	08-rigid valve	QL80N-08	8.15
	09-O ring	QL80N-09	0.01
	10-internal cylinder	QL80N-10	7.3
	11-piston	QL80N-11	45.7
	12- piston case	QL80N-12	65.0
	13-guide sleeve	QL80N-13	4.20
	14-O ring	QL80N-14	0.01
	15-retainer sleeve	QL80N-15	4.68
	16-O ring	QL80N-16	0.01
	17-bit retainer ring	QL80N-17	1.45
	18-O ring	QL80N-18	0.01
	19-drive sub	QL80N-19	13.1
Seal kit	QL80N-SK	0.05	
02 x 1 14 x 1 18 x 1			
09 x 1 16 x 1			
Repair kit	QL80N-RK	120.1	
01 x 1 12 x 1			
17 x 1 seal kit x 1			

Bit shank: QL80N



GSE-QL80N DTH hammer technical data

Net weight	Out diameter	DTH hammer length without bits		Frequency at 18 bar
193.5kgs	182 mm	1300 mm		25 HZ
Rec. hole range	Working pressure	Air consumption: M ³ (CBM)/min		
203mm-305mm	8 bar-30 bar	@ 10 bar	@18 bar	@ 24 bar
		10	24	33