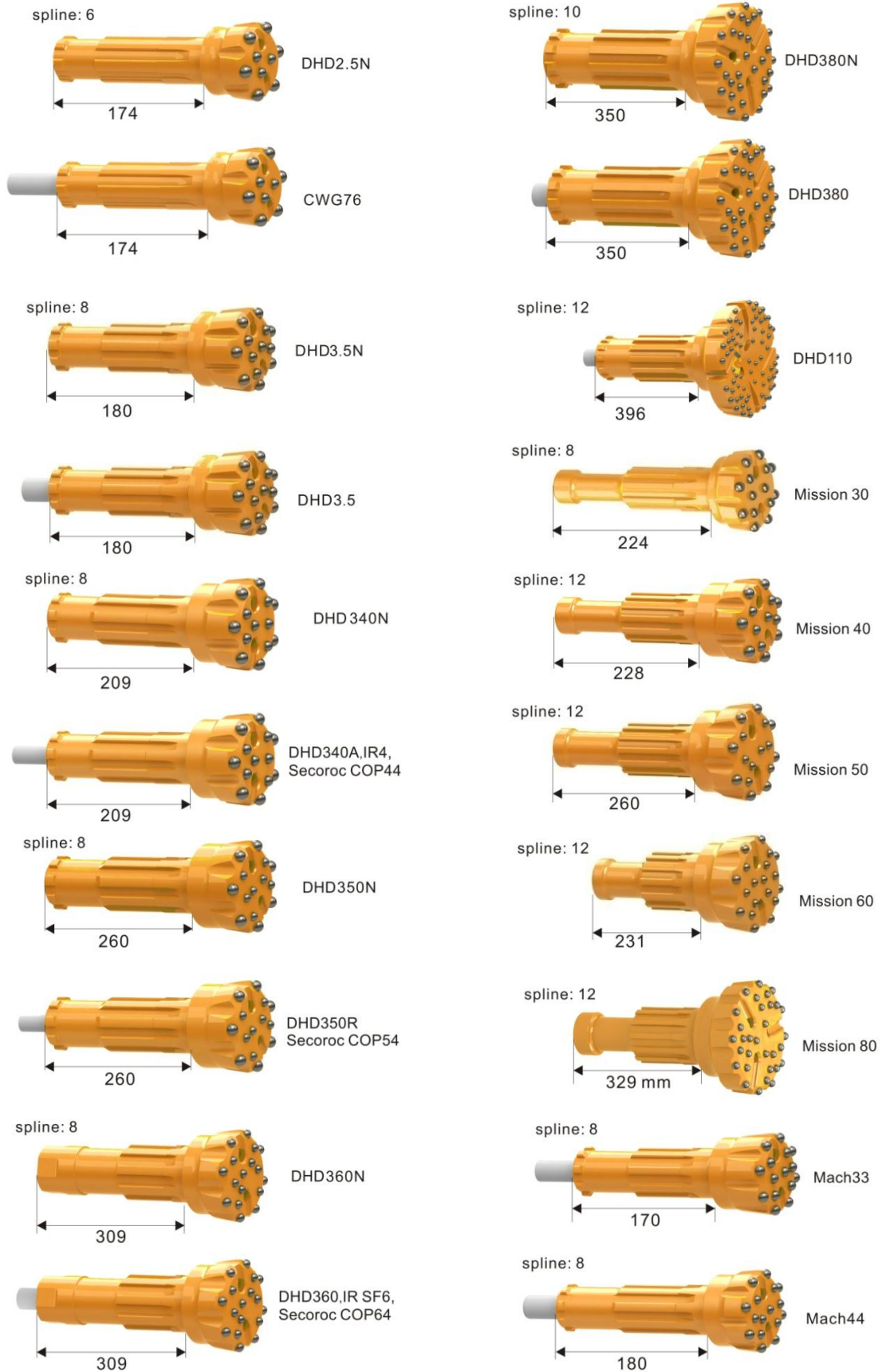


GSE DTH Button Bits

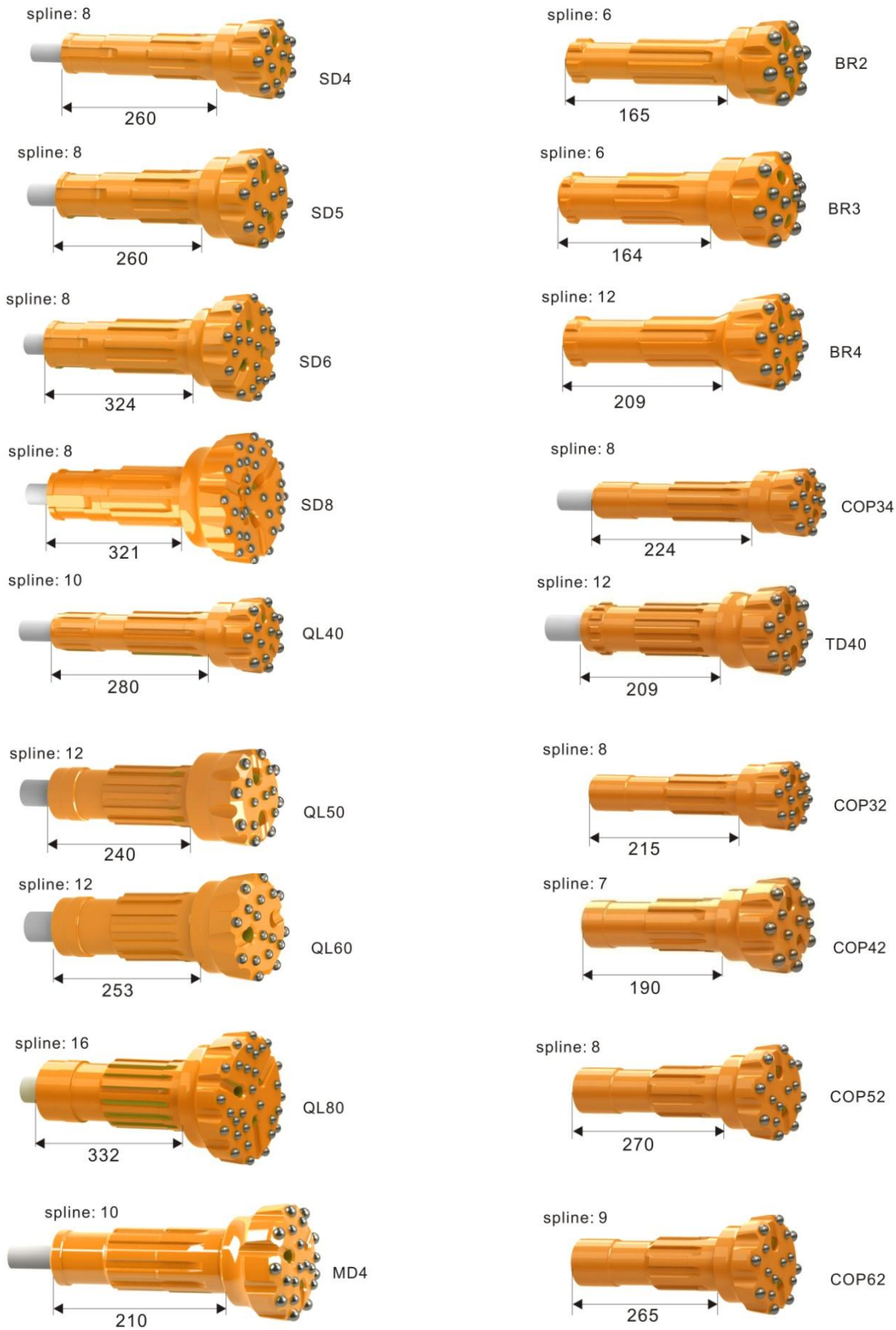
Guizhou Sinodrills Equipment Co.,LTD.



DTH bits shank identification



DTH bits shank identification



2

DTH bits face design and selection



Flat front,
Spherical buttons

Applications:
For drilling in hard and abrasive rock



Flat front,
Spherical gauge buttons,
Ballistic front buttons.

Applications:
For drilling in medium hard to hard and moderately abrasive rock.



Convex front,
Ballistic

Applications:
For drilling at high penetration rates in non abrasive rock.



Concave front,
Spherical buttons

Applications:
For drilling in medium hard, maximum hole deviation control.

Button shapes selection



Hemispherical button:
Universal buttons for all rock formation, best suited to hardest and very abrasive rocks formation



Parabolic button (semi-ballistic)
Excellent penetration rate, but only suited to medium hard and not so very abrasive rock formation.



Ballistic buttons:
Similar to parabolic buttons, used for soft to medium hard and not so abrasive rock formation, excellent in penetration rate

DTH button bits

2 inches DTH hammer button bits

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part Number
BR 2	70	✓	✓		2.5kgs	BR2-70
	76	✓	✓		2.6kgs	BR2-76
	80	✓	✓		2.7 kgs	BR2-80
	90	✓	✓		3.5 kgs	BR2-90

3 inches DTH hammer button bits

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part number
BR 3	85	✓	✓		3.0 kgs	BR3-85
	90	✓	✓		3.4 kgs	BR3-90
	95	✓	✓		3.8 kgs	BR3-95
	100	✓	✓	✓	4.5 kgs	BR3-100
	105	✓	✓	✓	5.2 kgs	BR3-105
Mach 303	85	✓	✓		3.6kgs	Mach33-85
	90	✓	✓		3.7 kgs	Mach33-90
	95	✓	✓		4.0 kgs	Mach33-95
	100	✓	✓	✓	4.5 kgs	Mach33-100
	105	✓	✓	✓	5.5 kgs	Mach33-105
DHD3.5	85	✓	✓		5.0 kgs	DHD3.5-85
	90	✓	✓		5.8 kgs	DHD3.5-90
	95	✓	✓		5.9 kgs	DHD3.5-95
	100	✓	✓	✓	6.1 kgs	DHD3.5-100
	105	✓	✓	✓	6.3 kgs	DHD3.5-105
COP 32	85	✓	✓		4.5 kgs	COP32-85
	90	✓	✓		4.6 kgs	COP32-90
	95	✓	✓		4.7 kgs	COP32-95
	100	✓	✓	✓	4.8 kgs	COP32-100
	105			✓	4.9 kgs	COP32-105
COP 34	85	✓	✓		5.0 kgs	COP34-85
	90	✓	✓		5.7kgs	COP34-90
	95	✓	✓		5.8 kgs	COP34-95
	100	✓	✓	✓	6.0 kgs	COP34-100
	105	✓	✓	✓	6.2 kgs	COP34-105
Mission 30	85	✓	✓		4.6 kgs	Mission30-85
	90	✓	✓		4.7 kgs	Mission30-90
	95	✓	✓		4.9 kgs	Mission30-95
	100	✓	✓	✓	5.3 kgs	Mission30-100
	105	✓	✓	✓	5.4 kgs	Mission30-105

DTH button bits

4 inches DTH hammer button bits

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part number
Mach 44	105	✓	✓	✓	9.5 kgs	Mach 44-105
	110	✓	✓	✓	9.6 kgs	Mach 44-110
	115	✓	✓	✓	9.7 kgs	Mach 44-115
	120	✓	✓	✓	10.0 kgs	Mach 44-120
	127	✓	✓	✓	11.0 kgs	Mach 44-127
DHD340A	105	✓	✓	✓	8.6 kgs	DHD340-105
	110	✓	✓	✓	8.8 kgs	DHD340-110
	115	✓	✓	✓	9.0 kgs	DHD340-115
	120	✓	✓	✓	9.5 kgs	DHD340-120
	127	✓	✓	✓	9.9 kgs	DHD340-127
BR4	105	✓	✓	✓	8.4kgs	BR4-105
	110	✓	✓	✓	8.8kgs	BR4-110
	115	✓	✓	✓	9.0kgs	BR4-115
	120	✓	✓	✓	9.5kg	BR4-120
	127	✓	✓	✓	9.9kgs	BR4-127
QL 40	105	✓	✓	✓	9.9 kgs	QL 40-105
	110	✓	✓	✓	10.1 kgs	QL 40-110
	115	✓	✓	✓	10.2kgs	QL 40-115
	120	✓	✓	✓	10.5 kgs	QL 40-120
	127	✓	✓	✓	11.2 kgs	QL 40-127
Mission 40	105	✓	✓	✓	8.0 kgs	Mission40-105
	110	✓	✓	✓	8.3 kgs	Mission40-110
	115	✓	✓	✓	8.4 kgs	Mission40-115
	120	✓	✓	✓	11.0 kgs	Mission40-120
	127	✓	✓	✓	12.0 kgs	Mission40-127
SD 4	105	✓	✓	✓	8.2 kgs	SD4-105
	110	✓	✓	✓	8.5kgs	SD4-110
	115	✓	✓	✓	8.9 kgs	SD4-115
	120	✓	✓	✓	12.0 kgs	SD4-120
	127	✓	✓	✓	13.0 kgs	SD4-127
MD4	105	✓	✓	✓	9.1kgs	MD4-105
	110	✓	✓	✓	9.6kgs	MD4-110
	115	✓	✓	✓	10.0kgs	MD4-115
	120	✓	✓	✓	10.9kgs	MD4-120
	127	✓	✓	✓	11.3kgs	MD4-127
COP42	105	✓	✓	✓	8.1 kgs	COP 42-105
	110	✓	✓	✓	8.3kgs	COP 42-110
	115	✓	✓	✓	8.5 kgs	COP 42-115
	120	✓	✓	✓	9.0 kgs	COP 42-120
	127	✓	✓	✓	9.2 kgs	COP 42-127

DTH button bits

5 inches DTH hammer button bits

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part number
DHD350R	135	✓	✓	✓	16.2 kgs	DHD350-135
	140	✓	✓	✓	16.5 kgs	DHD350-140
	146	✓	✓	✓	17.0 kgs	DHD350-146
	152	✓	✓	✓	17.8 kgs	DHD350-152
	165	✓	✓	✓	18.5 kgs	DHD350-165
MACH50	135	✓	✓	✓	16.0 kgs	MACH50-135
	140	✓	✓	✓	16.5 kgs	MACH50-140
	146	✓	✓	✓	17.8 kgs	MACH50-146
	152	✓	✓	✓	18.0 kgs	MACH50-152
	165	✓	✓	✓	18.5 kgs	MACH50-165
QL 50	135	✓	✓	✓	16.2 kgs	QL50-135
	140	✓	✓	✓	16.6 kgs	QL50-140
	146	✓	✓	✓	17.1 kgs	QL50-146
	152	✓	✓	✓	17.8 kgs	QL50-152
	165	✓	✓	✓	18.0 kgs	QL50-165
Mission 50	135	✓	✓	✓	14.0 kgs	Mission50-135
	140	✓	✓	✓	15.0 kgs	Mission50-140
	146	✓	✓	✓	16.0 kgs	Mission50-146
	152	✓	✓	✓	17.1 kgs	Mission50-152
	165	✓	✓	✓	18.0 kgs	Mission50-165
SD 5	135	✓	✓	✓	14.5 kgs	SD5-135
	140	✓	✓	✓	15.5 kgs	SD5-140
	146	✓	✓	✓	16.5 kgs	SD5-146
	152	✓	✓	✓	18.0 kgs	SD5-152
	165	✓	✓	✓	19.0 kgs	SD5-165

6 inches DTH hammer button bits

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part number
DHD360	152	✓	✓	✓	23.3kgs	DHD360-152
	165	✓	✓	✓	25.2 kgs	DHD360-165
	171	✓	✓	✓	25.8 kgs	DHD360-171
	190	✓	✓	✓	28.5 kgs	DHD360-190
	203	✓	✓	✓	29.5 kgs	DHD360-203
QL 60	152	✓	✓	✓	22.3 kgs	QL60-152
	165	✓	✓	✓	24.4kgs	QL60-165
	171	✓	✓	✓	24.8 kgs	QL60-171
	190	✓	✓	✓	29.0 kgs	QL60-190
	203	✓	✓	✓	33.0 kgs	QL60-203

DTH button bits

6 inches DTH hammer button bits (continued)

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part number
Mission 60	152	✓	✓	✓	21.8 kgs	Mission60-152
	165	✓	✓	✓	23.5 kgs	Mission60-165
	171	✓	✓	✓	25.0 kgs	Mission60-171
	190	✓	✓	✓	27.0 kgs	Mission60-190
	203	✓	✓	✓	29.1 kgs	Mission60-203
SD 6	152	✓	✓	✓	27.0 kgs	SD6-152
	165	✓	✓	✓	28.0 kgs	SD6-165
	171	✓	✓	✓	31.0 kgs	SD6-171
	190	✓	✓	✓	33.0 kgs	SD6-190
	203	✓	✓	✓	35.0 kgs	SD6-203

8 inches DTH hammer button bits

Shank style	Diameter in mm	Flat face	Convex face	Concave face	Approx. weight	Part number
DHD380	203	✓		✓	48.1 kgs	DHD380-203
	216	✓		✓	52.0 kgs	DHD380-216
	241	✓		✓	58.7kgs	DHD380-241
	254	✓		✓	60.4 kgs	DHD380-254
	292	✓		✓	80.1 kgs	DHD380-292
	305	✓		✓	83.5kgs	DHD380-305
QL 80	203	✓		✓	48.5 kgs	QL80-203
	216	✓		✓	50.1 kgs	QL80-216
	241	✓		✓	60.1 kgs	QL80-241
	254	✓		✓	62.5 kgs	QL80-254
	292	✓		✓	85.0 kgs	QL80-292
	305	✓		✓	83.9 kgs	QL80-305
Mission 80	203	✓		✓	41.0 kgs	Mission80-203
	216	✓		✓	42.0 kgs	Mission80-216
	241	✓		✓	56.0 kgs	Mission80-241
	254	✓		✓	57.0 kgs	Mission80-254
	292	✓		✓	71.5 kgs	Mission80-292
	305	✓		✓	77.0 kgs	Mission80-305
SD 8	203	✓		✓	42.0 kgs	SD8-203
	216	✓		✓	54.0 kgs	SD8-216
	241	✓		✓	63.0 kgs	SD8-241
	254	✓		✓	67.0 kgs	SD8-254
	292	✓		✓	85.0 kgs	SD8-292
	305	✓		✓	94.0 kgs	SD8-305

Note: 1, All diameters as above are only our standard diameters, but other diameters are also available upon request.

2, The unit weight for each size is for reference only.

3, Face design, buttons shape, buttons configuration and flushing holes number must be confirmed when the order is confirmed.

4, Please be cautious when order some bigger diameter of button bits since some bigger diameters are oversized.

5, Other shanks bits are also available as per request.



We drill in 82 countries



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