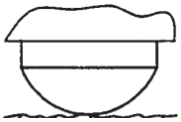
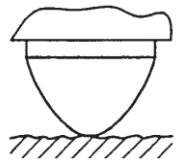
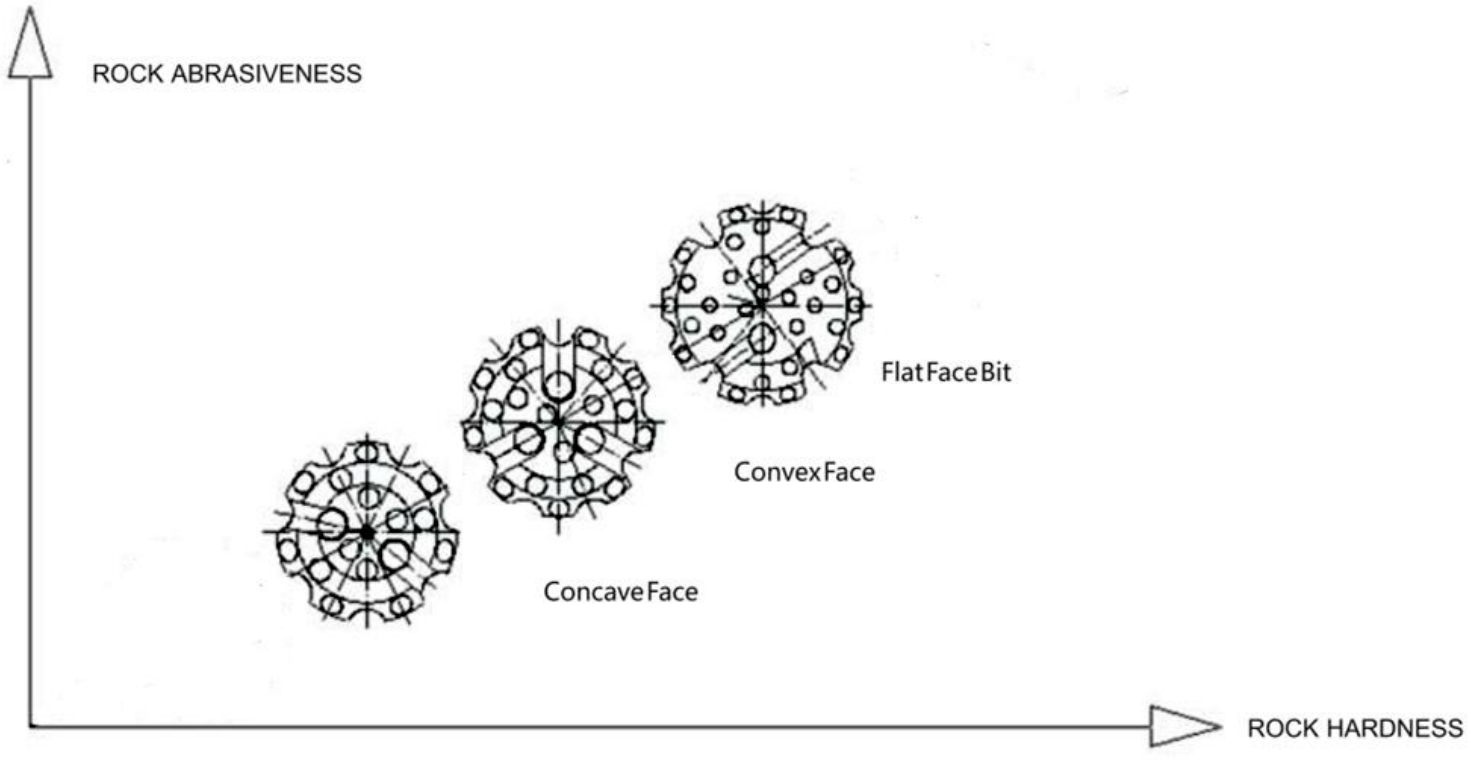
Trust stem from quality

DTH BIT

Guizhou Vilong Equipment Co,.Ltd

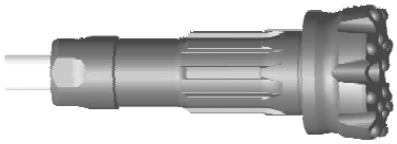
DTH bit face design and button shape selection	
	**Flat Face**---This kind of face shape is suitable for hard to very hard and abrasive rock formations in applications with high air pressures. Good penetration rates an resistance to steel wash
	**Concave Face**---The all-round application bit face specially for medium hard and homogeneous rock formations. Good hole deviation control and good flushing capacity.
	**Convex Face**---For high penetration rates in soft to medium-hard with low to medium air pressures. It is the most resistance to steel wash, and may reduce the load and wear on the gauge buttons, but poor hole deviation control.
	**DOMED (SPHERICAL)** This button is the most common shape, this type of shape is the strongest and most resistant to breakage. The domed shape provides excellent penetration in medium rock, hard rock, and hard broken formations.
	**BALLISTIC** Normally this button is used in less hard consolidated drilling formations. Ballistic button is very aggressive and tends to drill very quickly. However, due to the ballistic shape it is prone to breakage if used in the wrong formations.



3" High Air Pressure DTH Bit				
 （DHD3.5）	Bit Diameter(mm)	Gauge Buttons	Front Buttons	Weight(kg)
	85	6×Ø13	4×Ø12	4.2
	90	6×Ø14	4×Ø12	4.5
	95	6×Ø14	4×Ø13	4.8
	100	6×Ø14	5×Ø12	5.0
	105	6×Ø14	5×Ø13	5.5
4" High Air Pressure DTH Bit				
 (DHD340A、COP44)	Bit Diameter(mm)	Gauge Buttons	Front Buttons	Weight(kg)
	105	6×Ø14	5×Ø13	8.5
	110	7×Ø14	6×Ø13	8.8
	115	7×Ø14	6×Ø13	9.0
	120	8×Ø14	7×Ø13	9.8
	127	8×Ø14	7×Ø14	11.0
 (SD4)	105	6×Ø14	5×Ø13	9.0
	110	7×Ø14	6×Ø13	9.5
	115	7×Ø14	6×Ø13	9.8
	120	8×Ø14	7×Ø13	11.5
	127	8×Ø14	7×Ø14	12.3
 (QL40)	105	6×Ø14	5×Ø13	9.0
	110	7×Ø14	6×Ø13	9.2
	115	7×Ø14	6×Ø13	9.5
	120	8×Ø14	7×Ø13	10.3
	127	8×Ø14	7×Ø14	11.5
 (Mission 40)	105	6×Ø14	5×Ø13	6.0
	110	7×Ø14	6×Ø13	6.2
	115	7×Ø14	6×Ø13	6.6
	120	8×Ø14	7×Ø13	7.0
	127	8×Ø14	7×Ø14	7.4
5" High Air Pressure DTH Bit				
 (DHD350R、COP54)	Bit Diameter(mm)	Gauge Buttons	Front Buttons	Weight(kg)
	133	7×Ø18	6×Ø14	15.0
	140	7×Ø18	7×Ø14	16.0

	146	7×Ø18	7×Ø14	17.0
	152	8×Ø18	8×Ø14	17.5
	165	8×Ø18	8×Ø16	18.5
 (SD5)	133	7×Ø16	6×Ø14	15.5
	140	7×Ø18	7×Ø14	16.0
	146	7×Ø18	7×Ø14	16.5
	152	8×Ø18	8×Ø14	17.0
	165	8×Ø18	8×Ø16	18.0
 (QL50)	133	7×Ø18	6×Ø14	15.5
	140	7×Ø18	7×Ø14	16.0
	146	7×Ø18	7×Ø14	16.5
	152	8×Ø18	8×Ø14	17.0
	165	8×Ø18	8×Ø16	18.0
 (Mission 50)	133	7×Ø18	6×Ø14	12.5
	140	7×Ø18	7×Ø14	13.5
	146	7×Ø18	7×Ø14	14.0
	152	8×Ø18	8×Ø14	14.4
	165	8×Ø18	8×Ø16	15.0

6" High Air Pressure DTH Bit

	Bit Diameter(mm)	Gauge Buttons	Front Buttons	Weight(kg)
 (DHD360、COP64)	152	8×Ø18	7×Ø16	22.0
	165	8×Ø18	8×Ø16	26.0
	171	8×Ø18	8×Ø16	27.0
	190	9×Ø18	9×Ø16	28.5
	203	9×Ø18	11×Ø16	29.5
 (SD6)	152	8×Ø18	7×Ø16	26.0
	165	8×Ø18	8×Ø16	27.0
	171	8×Ø18	8×Ø18	29.0
	190	9×Ø18	9×Ø16	32.0
	203	9×Ø18	11×Ø16	34.0
 (QL60)	152	8×Ø18	7×Ø16	24.0
	165	8×Ø18	8×Ø16	25.0
	171	8×Ø18	8×Ø16	27.0
	190	9×Ø18	9×Ø16	29.0
	203	9×Ø18	11×Ø16	33.0
 (Mission 60)	152	8×Ø18	7×Ø16	22.0
	165	8×Ø18	8×Ø16	23.0
	171	8×Ø18	8×Ø16	24.0
	190	9×Ø18	9×Ø16	25.0
	203	9×Ø18	11×Ø16	28.0

8" High Air Pressure DTH Bit				
	Bit Diameter(mm)	Gauge Buttons	Front Buttons	Weight(kg)
 (DHD380、COP84)	195	9×Ø18	9×Ø18	33.0
	203	10×Ø18	10×Ø16	40.0
	216	10×Ø18	12×Ø16	49.0
	254	12×Ø18	21×Ø16	71.0
	305	12×Ø18	29×Ø16	95.0
 (SD8)	195	9×Ø18	9×Ø18	32.0
	203	10×Ø18	10×Ø16	37.0
	216	10×Ø18	12×Ø16	48.0
	254	12×Ø18	21×Ø16	70.0
	305	12×Ø18	29×Ø16	94.0
 (QL80)	195	9×Ø18	9×Ø18	32.0
	203	10×Ø18	10×Ø16	35.0
	216	10×Ø18	12×Ø16	49.0
	254	12×Ø18	21×Ø16	71.0
	305	12×Ø18	29×Ø16	95.0
 (Mission 80)	195	9×Ø18	9×Ø18	32.0
	203	10×Ø18	10×Ø16	35.0
	216	10×Ø18	12×Ø16	40.0
	254	12×Ø18	21×Ø16	57.0
	305	12×Ø18	29×Ø16	77.0

◆ *Above data are for reference only, other hammer shanks, bit diameter, buttons and face shape etc can be produced according to customers' requirements.*