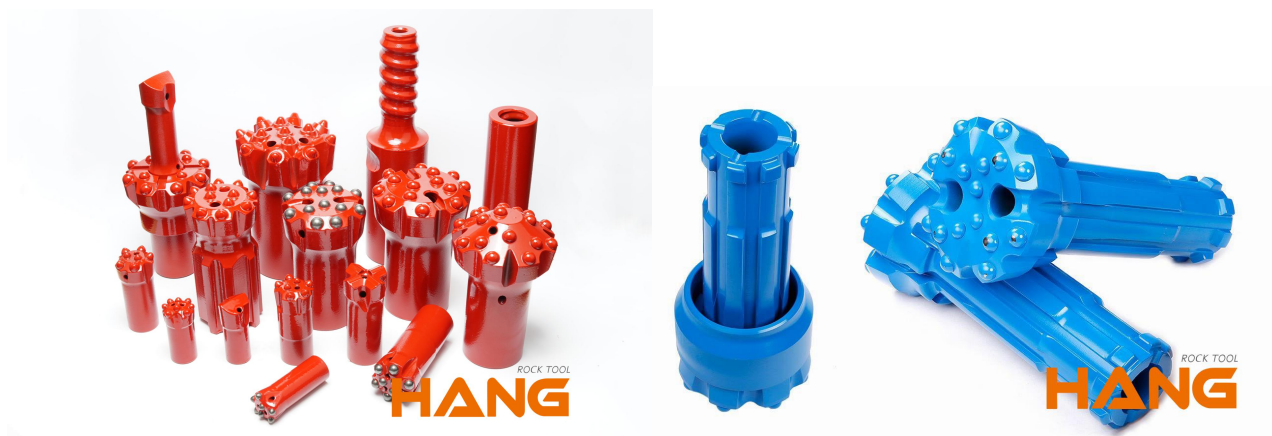


QINGDAO GOLD HANG INDUSTRY & TRADE CO.,LTD

ADD:RM 924, WFC 3# BUILDING,NO.19 Qinling Road, Laoshan District, QINGDAO SHANDONG,CHINA
TEL:86-532-83765757 FAX:86-532-85850071

BUTTON BITS

Product: Threaded Button Bit (R25, R28, R32,SR35, R38, T38, T45, T51)
DTH Button Bit (DHD, QL, MISSION, SD, BR2, BR3)
Tapered Button Bit



Skirt Material:

In order to meet our **HOT PRESS** technology, we choose **45CrNiMoV** alloy steels to produce our all hot pressed button bits. **45CrNiMoV** is one of the highest level alloy steels in the world, and also proved to be the most reliable alloy steels for **HOT PRESS** button bits after various field testing by many famous brands, including Atlas Copco, Sandvik etc,. Chemical composition and physical properties is as follow:

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1.Chemical composition

Steel	45CrNiMoV								
Chemical Composition	Standard	C	Si	Mn	Cr	Ni	Mo	P	S
		0.42-0.48	0.15-0.30	0.60-0.90	0.90-1.20	0.40-0.70	0.90-1.10	≤0.025	≤0.025
	Result	0.22	0.27	0.58	1.29	2.80	0.21	0.009	0.002

2.Mechanical Property

Item	Yield Strength Rel	Ultimate Load RM	Reduction of Area Z%	Elongation A%	Impact AK(J)
Standard	σs(Mpa)≥900	σb(Mpa)≥1100	Ψ%≥45	δ ≥12	
Result	1553	1374	46	14	51

3.Hardness

Hardness: HRC43-48



Tungsten Carbide:

We Choose ELEMENT SIX (E6) carbide for button bits insert. This type of carbide is produced by Boart Longyear China. Based on its most advanced technology, Boart Longyear produces world top class carbides in different shapes and diameters. The following are technical data and pictures:

Hardness: HRA91

Density: 14.85-14.97g/cm³

Transverse Rupture Strength: 3.4Gpa