党和国家领导人接见二00七年度国家科学技术奖励大会代表



2007年，公司“高性能钎具特钢生产技术与产品开发”项目获得国家科技进步二等奖，集团公司董事长、总经理李明锁在人民大会堂受到党和国家领导人胡锦涛、温家宝等领导的亲切接见。（五排，右起15位）

In 2007, our company's "Production Technology of High Performance Special Steel for Rock Drilling Tools and Product Development" project won the National Scientific and Technological Progress second prize, and Li Mingsuo, the chairman and general manager of our group company was cordially met by party and state leader Hu Jintao, Wen Jiabao and other leaders in the Great Hall of the People. (Fifth row, the fifteenth one count from the right)



资质荣誉 COMPANY HONORS

LEADING CARE 领导关怀





◎山东省委书记姜异康来公司视察指导工作
Shandong provincial party committee secretary Jiang Yikang come to our company to inspect and guide work.



◎山东省省长姜大明亲切接见李明锁董事长
The governor of Shandong province Jiang Daming cordially met with chairman Li Mingsuo.



合金类型 Button bit insert types

合金设计 Button type	应用 Applications
低冠球齿 Spherical button 	• 普遍使用合金 Universal button • 耐磨性好 Wearing resistance good • 非常适用硬岩 Best suited to hard ground • 27,000-48,000 PSI (180 to 320 MPa) • 适用腐蚀岩层 Abrasive to very abrasive
高冠球齿 Hemispherical button 	• 普遍使用合金 Universal button • 耐磨性好 Wearing resistance good • 非常适用硬岩 Best suited to hard ground • 25,000-45,000 PSI (170 to 300 MPa) • 适用腐蚀岩层 Abrasive to very abrasive
抛物线齿 Parabolic button 	• 普遍使用合金 Universal button • 进尺速度快 Fast penetration • 非常适用中硬岩 Best suited to medium to hard rock • 15,000-25,000 PSI (100 to 170 MPa) • 适用中等腐蚀岩层 Mildly abrasive ground
锥型齿 Conical button 	• 进尺速度快 Fast penetration • 多用于小直径钎头 Best suited for smaller diameter bits • 适用非腐蚀岩层 Suited for all non-abrasive ground types
弹头齿 Ballistic button 	• 进尺速度快 Fast penetration • 适用软岩 Best suited to soft rock • 10,000-20,000 PSI (70 to 140 MPa) • 适用非腐蚀岩层 Non abrasive ground

钎头设计 Bit face designs

面部设计 Face	应用 Applicaions
短库体球齿 Button bit, short skirt 	• 适用于H22钎杆 For H22 drill rod
长库体球齿 Button bit, long skirt 	• 适用于H22钎杆 For H22 drill rod
普通球齿 Button bit 	• 一般用途钎头 General purpose bit
易返球齿，长翼 Retrac button bit, long skirt 	• 适用裂缝岩石，不易卡钎 Design to provide easy removal and completion of bit in adverse hole conditions
易返球齿，短翼 Retrac button bit, short skirt 	• 适用裂缝岩石，不易卡钎 Design to provide easy removal and completion of bit in adverse hole conditions
平面 Flat face 	• 一般用途钎头 General purpose bit • 适用中硬岩 Suited for medium to hard rock
凹心 Drop center 	• 钻孔直线度好 Straight hole application • 适用中硬岩 Suited for medium to hard rock
半凹心 New drop center 	• 钻孔直线度好 Straight hole application • 适用中硬岩 Suited for medium to hard rock



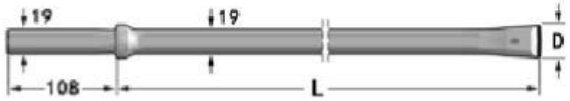
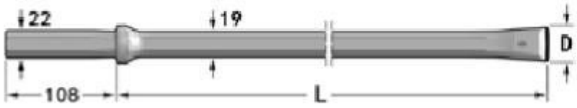
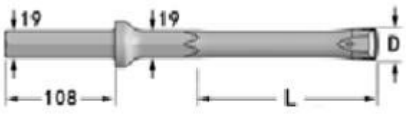


Small hole drilling 小孔凿岩钎具

		Page
H19 Integral drill steels	H19整体钎	14
Plug hole integral steels	采石整体钎	14
H22 Integral drill steels	H22整体钎	15
Tapered tools 7°	7°锥度钎具	16
Tapered tools 11°	11°锥度钎具	19
Tapered tools 12°	12°锥度钎具	21
Shoulder drive drilling	肩冲式钎具	23

SANSHAN

整体钎 Integral drill steels

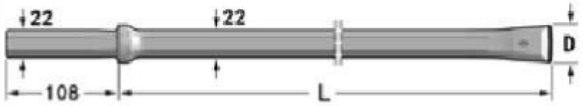
19mm	长度 Length 毫米 mm	长度 Length 英尺 foot	钎头直径 Bit dia.	重量 Weight approx kg	三山型号 SANSHAN P/N
一字钎头整体钎 Chisel bit integral 钎柄 19mm×108mm Shank 19mm×108mm 	400	1'4"	29	1.3	5H19-291508-0400-40-2
	500	1'8"	29	1.5	5H19-291508-0500-40-2
	800	2'7"	28	2.2	5H19-281508-0800-40-2
	1000	3'33/8"	28	2.6	5H19-281508-1000-40-2
	1200	3'11"	27	3.0	5H19-271508-1200-40-2
	1600	5'3"	27	3.9	5H19-271508-1600-40-2
	2400	7'10"	26	5.7	5H19-261508-2400-40-2
	3200	10'6"	25	7.5	5H19-251508-3200-40-2
	4000	13'1"	24	9.2	5H19-251508-4000-40-2
	400	1'4"	24	1.3	5H19-241508-0400-40-2
	800	2'7"	23	2.2	5H19-231508-0800-40-2
	600	2'	27	1.7	5H19-271508-0600-40-2
	1200	3'11"	26	3.0	5H19-261508-1200-40-2
	2000	6'7"	24	4.8	5H19-241508-2000-40-2
	2400	7'10"	24	5.7	5H19-241508-2400-40-2
	2700	8'10"	24	6.3	5H19-241508-2700-40-2
	400	1'4"	35	1.3	5H19-351810-0400-40-2
	800	2'7"	34	2.2	5H19-341810-0800-40-2
一字钎头整体钎 Chisel bit integral 钎柄 22mm×108mm Shank 22mm×108mm 	400	1'4"	24	1.5	5H19-241508-0400-40-2
	400	1'4"	29	1.5	5H19-291508-0400-40-2
	600	2'	27	1.7	5H19-271508-0600-40-2
	800	2'7"	23	2.3	5H19-231508-0800-40-2
	800	2'7"	28	2.3	5H19-281508-0800-40-2
	1200	3'11"	23	3.2	5H19-231508-1200-40-2
	1600	5'3"	27	4.0	5H19-271508-1600-40-2
	2000	6'7"	28	5.0	5H19-281508-2000-40-2
	2400	7'10"	26	5.8	5H19-261508-2400-40-2
	3200	10'6"	25	7.5	5H19-251508-3200-40-2
采石整体钎 Plug hole integral steels 钎柄 19mm×108mm Shank 19mm×108mm 	长度 Length (mm)	钎头直径 Bit dia.	圆体长度 Turned length	重量 Weight approx kg	三山型号 SANSHAN P/N
	210	17	150	0.7	5H19-171308-0210-40-2
	210	20	150	0.7	5H19-201308-0210-40-2
	210	22	150	0.7	5H19-221308-0210-40-2
	260	20	200	0.8	5H19-201308-0260-40-2
	260	22	200	0.8	5H19-221308-0260-40-2
	310	22	250	0.9	5H19-221308-0310-40-2
	340	20	280	1.0	5H19-201308-0340-40-2
钎柄 19mm×82mm Shank 19mm×82mm	210	20	150	0.7	5H19-201308-0210-40-2
	210	22	150	0.7	5H19-221308-0210-40-2

整体钎 Integral drill steels

22mm

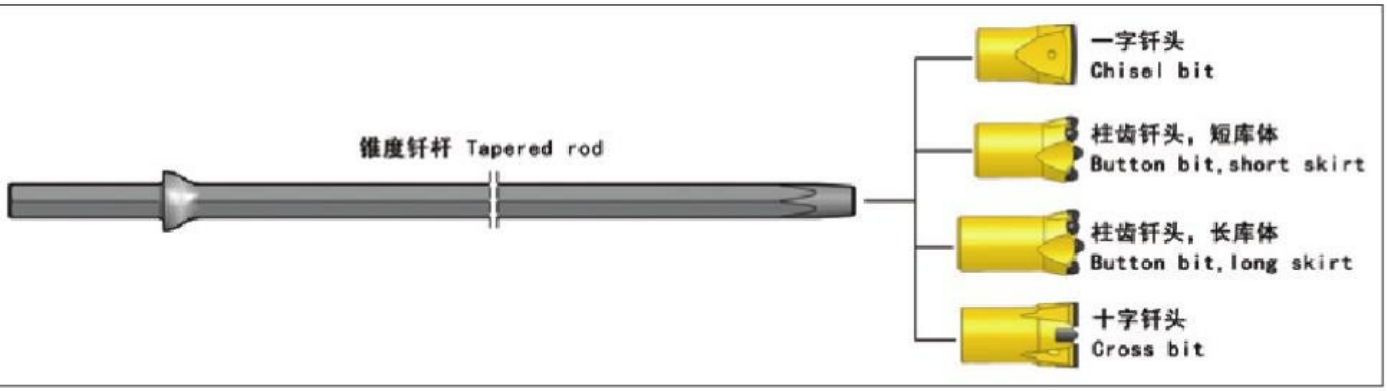
一字钎头整体钎
Chisel bit integral

钎柄 22mm×108mm
Shank 22mm×108mm



长度 Length 毫米 mm	长度 Length 英尺 Foot	钎头直径 Bit dia.	重量 Weight approx kg	三山型号 SANSHAN P/N
800	2'7"	34	3.0	5H22-341810-0800-40-2
1600	5'3"	33	5.2	5H22-331810-1600-40-2
2400	7'10"	32	8.0	5H22-321808-2400-40-2
3200	10'6"	31	10.2	5H22-311808-3200-40-2
4000	13'1"	30	12.9	5H22-301808-4000-40-2
4800	15'9"	29	15.1	5H22-291508-4800-40-2
5600	18'4"	28	17.6	5H22-281508-5600-40-2
6400	21'	27	20.1	5H22-271508-6400-40-2
7200	23'6"	26	22.5	5H22-261508-7200-40-2
800	2'7"	40	3.0	5H22-401810-0800-40-2
1600	5'3"	39	5.2	5H22-391810-1600-40-2
2400	7'10"	38	8.0	5H22-381810-2400-40-2
3200	10'6"	37	10.2	5H22-371810-3200-40-2
4000	13'1"	36	12.9	5H22-361810-4000-40-2
4800	15'9"	35	15.1	5H22-351810-4800-40-2
5600	18'4"	34	17.6	5H22-341810-5600-40-2
6400	21'	33	20.1	5H22-331810-6400-40-2
7200	23'6"	32	22.5	5H22-321808-7200-40-2
8000	26'2"	31	25.0	5H22-311808-8000-40-2
400	1'4"	34	1.7	5H22-341810-0400-40-2
800	2'7"	33	3.0	5H22-331810-0800-40-2
1200	3'11"	32	4.1	5H22-321808-1200-40-2
1600	5'3"	31	5.2	5H22-311808-1600-40-2
2000	6'7"	30	6.7	5H22-301808-2000-40-2
600	2'	41	2.4	5H22-411810-0600-40-2
1200	3'11"	40	4.3	5H22-401810-1200-40-2
1800	5'11"	39	6.2	5H22-391810-1800-40-2
2400	7'10"	38	8.0	5H22-381810-2400-40-2
400	1'4"	41	1.7	5H22-411810-0400-40-2
800	2'7"	29	3.0	5H22-291508-0800-40-2
800	2'7"	38	3.1	5H22-381810-0800-40-2
1200	3'11"	39	4.3	5H22-391810-1200-40-2
1600	5'3"	36	5.2	5H22-361810-1600-40-2
1800	5'11"	36	6.0	5H22-361810-1800-40-2
2000	6'7"	32	6.7	5H22-321808-2000-40-2
2400	7'10"	27	8.0	5H22-271508-2400-40-2
3200	10'6"	27	10.2	5H22-271508-3200-40-2
3200	10'6"	32	10.3	5H22-321808-3200-40-2
6400	21'	30	20.1	5H22-301808-6400-40-2
8000	26'2"	26	25.0	5H22-261508-8000-40-2

锥度连接钎具 Tapered rock drilling tools 7°



钎头 Drill bit	钎头直径 Diameter		适用岩石等级 For class of rock	合金 Tip size(mm)	尾孔锥度 Taper	重量 Weight (kg)	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch		高×厚 Height×Width			
一字马蹄形钎头 Horseshoe chisel bit	26	1 1/32	10-14	10×7	7°	0.17	1111-26721-10/7-40-21
	28	1 7/64	10-14	10×7	7°	0.18	1111-28721-10/7-40-21
	30	1 3/16	8-12	13.5×8	7°	0.22	1111-30722-13/8-40-14
	30	1 3/16	10-14	13.5×8	7°	0.22	1111-30722-13/8-40-13
	32	1 1/4	8-12	13.5×8	7°	0.24	1111-32722-13/8-40-14
	32	1 1/4	10-14	13.5×8	7°	0.24	1111-32722-13/8-40-13
	34	1 11/32	8-12	13.5×8	7°	0.27	1111-34722-13/8-40-14
	34	1 11/32	10-14	13.5×8	7°	0.27	1111-34722-13/8-40-13
	36	1 27/64	8-12	13.5×8	7°	0.30	1111-36722-13/8-40-14
	36	1 27/64	10-14	13.5×8	7°	0.30	1111-36722-13/8-40-13
	38	1 1/2	8-12	13.5×8	7°	0.33	1111-38723-13/8-40-14
	38	1 1/2	10-14	13.5×8	7°	0.33	1111-38723-13/8-40-13
	38	1 1/2	8-12	15×9	7°	0.33	1111-38723-15/9-40-14
	38	1 1/2	10-14	15×9	7°	0.33	1111-38723-15/9-40-13
	40	1 37/64	8-12	13.5×9.2	7°	0.38	1111-40723-13/9-40-14
	40	1 37/64	10-14	13.5×9.2	7°	0.38	1111-40723-13/9-40-13
	40	1 37/64	14-16	13.5×9.2	7°	0.38	1111-40723-13/9-40-12
	40	1 37/64	16-18	13.5×9.2	7°	0.38	1111-40723-13/9-40-11
	40	1 37/64	8-12	15×9.8	7°	0.38	1111-40723-15/9-40-14
	40	1 37/64	10-14	15×9.8	7°	0.38	1111-40723-15/9-40-13
	40	1 37/64	14-16	15×9.8	7°	0.38	1111-40723-15/9-40-12
	40	1 37/64	16-18	15×9.8	7°	0.38	1111-40723-15/9-40-11
	42	1 2/3	8-12	13.5×9.2	7°	0.41	1111-42723-13/9-40-14
	42	1 21/32	10-14	13.5×9.2	7°	0.41	1111-42723-13/9-40-13
	42	1 21/32	14-16	13.5×9.2	7°	0.41	1111-42723-13/9-40-12
	42	1 21/32	16-18	13.5×9.2	7°	0.41	1111-42723-13/9-40-11
	42	1 21/32	8-12	15×9.8	7°	0.41	1111-42723-15/9-40-14
	42	1 21/32	10-14	15×9.8	7°	0.41	1111-42723-15/9-40-13
	42	1 21/32	10-14	15×9.8	7°	0.41	1111-42723-15/9-40-12
	42	1 21/32	16-18	15×9.8	7°	0.41	1111-42723-15/9-40-11
	43	1 11/16	8-12	13.5×9.2	7°	0.42	1111-43723-13/9-40-14
	43	1 11/16	10-14	13.5×9.2	7°	0.42	1111-43723-13/9-40-13
	43	1 11/16	8-12	15×9.8	7°	0.42	1111-43723-15/9-40-14
	43	1 11/16	10-14	15×9.8	7°	0.42	1111-43723-15/9-40-13

锥度连接钎具 Tapered rock drilling tools 7°

钎头 Drill bit	钎头直径 Diameter 毫米 mm	钎头直径 Diameter 英寸 inch	适用岩石等级 For class of rock	合金 Tip size (mm) 高×厚 Height × Width	尾孔锥度 Taper	重量 Weight (kg)	三山型号 SANSHAN P/N
一字形斜刃钎头 Oblique chipways chisel bit	20	25/32	10-14	12×6	4°	0.10	1112-20415-12/6-40-22
	22	55/64	10-14	12×6	4°	0.12	1112-22415-12/6-40-22
	24	15/16	10-14	12×6	4°	0.14	1112-24415-12/6-40-22
	26	1 1/32	10-14	12×6	4°	0.16	1112-26415-12/6-40-22
	28	1 7/64	10-14	13×8	7°	0.19	1112-28722-13/8-40-22
	30	1 3/16	10-14	13.5×8	7°	0.22	1112-30722-13/8-40-22
	32	1 1/4	10-14	13.5×8	7°	0.24	1112-32722-13/8-40-22
	33	1 19/64	10-14	13.5×8	7°	0.25	1112-33722-13/8-40-22
	34	1 11/32	10-14	13.5×8	7°	0.27	1112-34722-13/8-40-22
	36	1 27/64	10-14	13.5×8	7°	0.29	1112-36722-13/8-40-22
	38	1 1/2	10-14	13.5×8	7°	0.34	1112-38723-13/8-40-22
	40	1 37/64	10-14	13.5×9.2	7°	0.40	1112-40723-13/9-40-22
	41	1 5/8	10-14	13.5×9.2	7°	0.41	1112-41723-13/9-40-22
	42	1 21/32	10-14	13.5×9.2	7°	0.43	1112-42723-13/9-40-22
一字形平槽钎头 Flat chipways chisel bit	38	1 1/2	10-14	16×10	7°	0.36	1113-38723-16/10-40-22
	40	1 37/64	10-14	16×10	7°	0.38	1113-40723-16/10-40-22
	41	1 5/8	10-14	16×10	7°	0.41	1113-41723-16/10-40-22
	42	1 21/32	10-14	16×10	7°	0.43	1113-42723-16/10-40-22
	45	1 3/4	10-14	22×16×10	7°	0.60	1113-45723-16/10-40-22
	46	1 3/4	10-14	22×16×10	7°	0.61	1113-46723-16/10-40-22
	48	1 7/8	10-14	22×16×10	7°	0.63	1113-48723-16/10-40-22
	50	1 31/32	10-14	22×16×10	7°	0.65	1113-50723-16/10-40-22
	56	2 1/4	10-14	24×16×10	7°	0.82	1113-56723-16/10-40-22
	60	2 23/64	10-14	26×16×10	7°	0.91	1113-60723-16/10-40-22
	65	2 1/2	10-14	26×16×10	7°	1.12	1113-65723-16/10-40-22
	80	3 1/8	10-14	36×16×10	7°	1.40	1113-80723-16/10-40-22
一字形斜槽钎头 Oblique-flat chipways chisel bit	36	1 27/64	10-14	15×10	7°	0.40	1114-36725-15/10-40-22
	38	1 1/2	10-14	15×10	7°	0.42	1114-38725-15/10-40-22
	40	1 37/64	10-14	15×10	7°	0.45	1114-40725-15/10-40-22
	41	1 5/8	10-14	15×10	7°	0.47	1114-41725-15/10-40-22
	42	1 21/32	10-14	15×10	7°	0.49	1114-42725-15/10-40-22
	43	1 11/16	10-14	15×10	7°	0.51	1114-43725-15/10-40-22
十字形钎头 Cross-type bit	30	1 3/16	11-15	12×12×8	7°	0.29	1221-30722-12/8-40-22
	32	1 1/4	11-15	12×12×8	7°	0.31	1221-32722-12/8-40-22
	33	1 19/64	11-15	12×12×8	7°	0.33	1221-33722-12/8-40-22
	34	1 11/32	11-15	12×12×8	7°	0.34	1221-34722-12/8-40-22
	35	1 3/8	11-15	12×12×8	7°	0.36	1221-35722-12/8-40-22
	36	1 27/64	11-15	13×12×8	7°	0.37	1221-36722-12/8-40-22
	38	1 1/2	11-15	14×12×8	7°	0.43	1221-38723-12/8-40-22
	40	1 37/64	11-15	15×12×8	7°	0.47	1221-40723-12/8-40-22
	41	1 5/8	11-15	15×12×8	7°	0.49	1221-41723-12/8-40-22
	42	1 21/32	11-15	15×12×8	7°	0.51	1221-42723-12/8-40-22
	43	1 11/16	11-15	15×12×8	7°	0.53	1221-43723-12/8-40-22
	45	1 3/4	11-15	17×14×8	7°	0.58	1221-45723-14/8-40-22
	48	1 7/8	11-15	17×14×8	7°	0.67	1221-48723-14/8-40-22
	50	1 31/32	11-15	19×14×8	7°	0.72	1221-50723-14/8-40-22
	55	2 1/4	11-15	20×16×10	7°	0.92	1221-55725-16/10-40-22
	60	2 3/8	11-15	22×16×10	7°	1.19	1221-60725-16/10-40-22

锥度连接钎具 Tapered rock drilling tools 7°

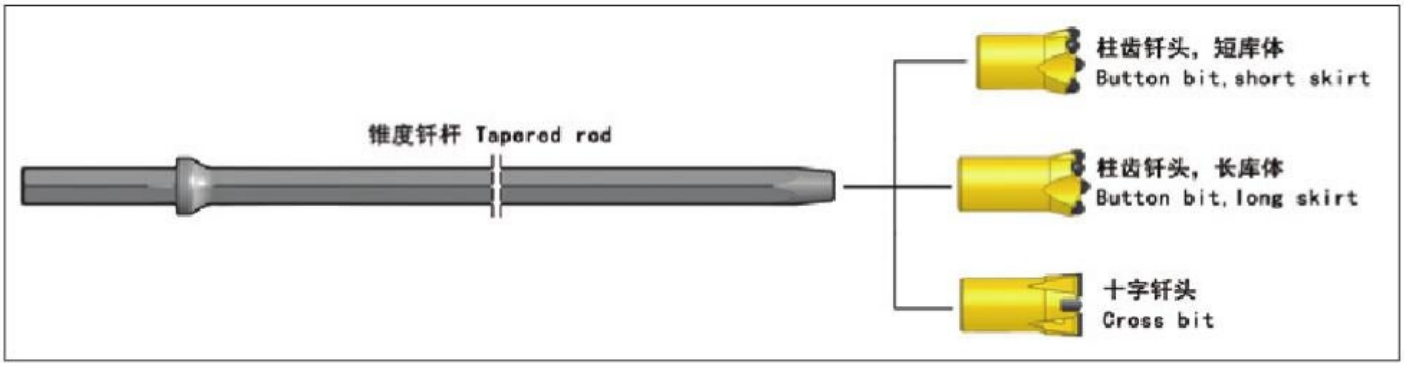
钎头 Drill bit

钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿钎头，短库体 Button bit,Short skirt								
32	1 1/4	1×8	3×8	35°	1	1	0.24	1431-32722-18/38-40-53
33	1 19/64	2×7	5×7	35°	2	1	0.26	1431-33722-27/57-42-53
34	1 11/32	2×7	4×7	40°	1	1	0.29	1431-34722-27/47-42-53
35	1 3/8	2×7	5×8	35°	1	1	0.33	1431-35722-27/58-42-53
36	1 27/64	1×8	3×9	40°	1	1	0.37	1431-36722-18/39-42-53
36	1 27/64	2×7	5×8	35°	1	1	0.37	1431-36722-27/58-42-53
38	1 1/2	1×8	3×9	35°	1	1	0.38	1431-38723-18/39-42-53
38	1 1/2	2×7	5×8	35°	1	1	0.38	1431-38723-27/58-42-53
38	1 1/2	2×7	5×9	40°	2	1	0.38	1431-38723-27/59-42-53
40	1 37/64	1×8	3×9	30°	1	1	0.40	1431-40723-18/39-40-53
40	1 37/64	1×9	3×10	30°	1	1	0.40	1431-40723-19/310-40-53
40	1 37/64	1×9	3×9	35°	1	1	0.40	1431-40723-19/39-42-53
40	1 37/64	2×7	5×9	35°	1	1	0.40	1431-40723-27/59-42-53
42	1 21/32	1×8	3×9	30°	1	1	0.43	1431-42723-18/39-40-53
42	1 21/32	1×9	3×10	30°	1	1	0.43	1431-42723-19/310-40-53
42	1 21/32	1×9	3×9	35°	1	1	0.43	1431-42723-19/39-42-53
42	1 37/64	2×8	5×9	35°	1	1	0.43	1431-42723-28/59-42-53
长库体 Long skirt								
32	1 1/4	2×7	5×7	35°	1	1	0.30	1435-32722-27/57-45-51
33	1 19/64	2×7	5×7	35°	1	1	0.31	1435-33722-27/57-45-51
35	1 3/8	2×7	5×8	35°	1	1	0.36	1435-35722-27/58-45-51
38	1 1/2	2×7	5×9	35°	1	1	0.41	1435-38723-27/59-45-51
41	1 5/8	2×7	5×9	35°	1	1	0.42	1435-41723-27/59-45-51

钎杆 Drill rod

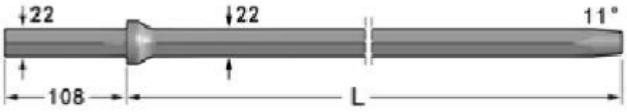
长度 Length		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英尺 Foot		
六棱锥度钎杆 Hex. Taperd rod			
600	2'	1.93	21H22-7/108-0600-40
800	2'6"	2.54	21H22-7/108-0800-40
1000	3'3"	3.15	21H22-7/108-1000-40
1200	3'9"	3.76	21H22-7/108-1200-40
1500	4'11"	4.68	21H22-7/108-1500-40
1600	5'3"	4.98	21H22-7/108-1600-40
1800	5'9"	5.59	21H22-7/108-1800-40
2000	6'7"	6.20	21H22-7/108-2000-40
2200	7'2"	6.81	21H22-7/108-2200-40
2300	7'6"	7.12	21H22-7/108-2300-40
2400	7'9"	7.42	21H22-7/108-2400-40
2500	8'2"	7.73	21H22-7/108-2500-40
2600	8'8"	8.03	21H22-7/108-2600-40
3000	9'10"	9.25	21H22-7/108-3000-40
3500	11'5"	10.78	21H22-7/108-3500-40
4000	13'1"	12.30	21H22-7/108-4000-40
4500	14'8"	13.83	21H22-7/108-4500-40
5000	16'4"	15.35	21H22-7/108-5000-40
5500	18'1"	16.88	21H22-7/108-5500-40
6000	19'7"	18.30	21H22-7/108-6000-40
4000	13'1"	16.10	21H25-7/159-4000-40
4700	15'4"	18.90	21H25-7/159-4700-40
5000	16'4"	22.10	21H25-7/159-5000-40
5500	18'1"	22.10	21H25-7/159-5500-40
6000	19'7"	24.10	21H25-7/159-6000-40

锥度连接钎具 Tapered rock drilling tools 11°

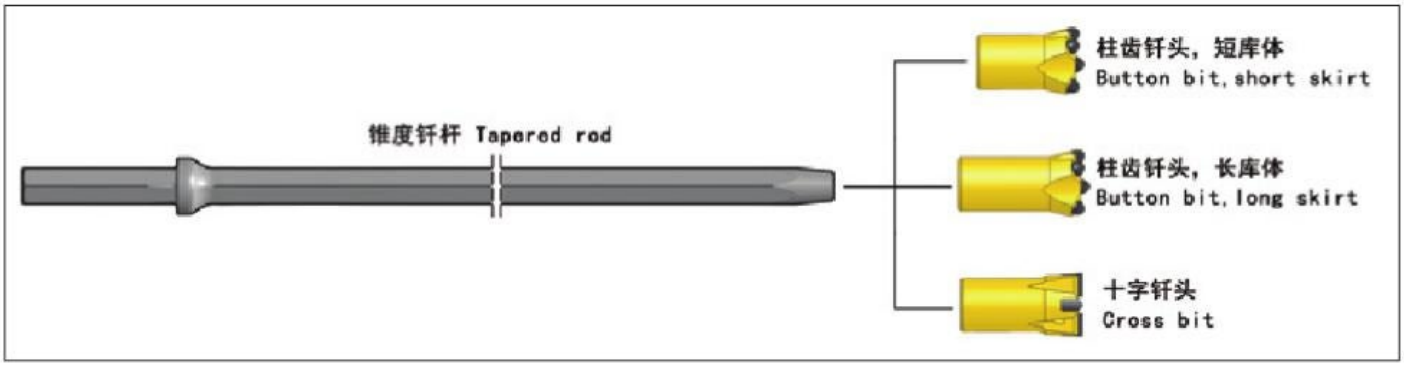


钎头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿钎头，短库体 Button bit,Short skirt	32	1 1/4	1×8	3×8	35°	1	2	0.24	1431-321122-18/38-45-51
	32	1 1/4	2×7	5×7	40°	1	1	0.24	1431-321122-27/57-45-51
	33	1 19/64	2×7	4×7	40°	1	1	0.25	1431-331122-27/47-45-51
	34	1 11/32	2×7	4×7	40°	1	1	0.29	1431-341122-27/47-45-51
	35	1 3/8	2×7	5×7	35°	1	1	0.33	1431-351122-27/57-45-51
	35	1 3/8	2×7	5×8	35°	1	1	0.33	1431-351122-27/58-45-51
	36	1 27/64	1×8	3×9	40°	1	1	0.36	1431-361122-18/39-45-51
	36	1 27/64	2×7	4×7	40°	1	1	0.36	1431-361122-27/47-45-51
	36	1 27/64	2×7	5×8	35°	1	1	0.36	1431-361122-27/58-45-51
	38	1 1/2	1×9	3×9	40°	1	1	0.39	1431-381122-19/39-45-51
	38	1 1/2	2×8	3×9	40°	1	1	0.39	1431-381122-28/39-45-51
	38	1 1/2	2×7	5×8	35°	1	1	0.39	1431-381122-27/58-45-51
	38	1 1/2	2×7	5×9	35°	1	1	0.39	1431-381122-27/59-45-51
	40	1 37/64	1×9	3×9	40°	1	1	0.40	1431-401122-19/39-45-51
	40	1 37/64	2×8	3×9	40°	1	1	0.40	1431-401122-28/39-45-51
	40	1 37/64	2×9	3×9	40°	1	2	0.40	1431-401122-29/39-45-51
	40	1 37/64	2×7	5×9	35°	1	1	0.40	1431-401122-27/59-45-51
	40	1 37/64	2×8	5×9	35°	1	1	0.40	1431-401122-28/59-45-51
	41	1 5/8	2×7	5×9	35°	1	1	0.41	1431-411122-27/59-45-51
长库体 Long skirt	32	1 1/4	2×7	5×7	35°	1	1	0.30	1435-321122-27/57-45-51
	33	1 19/64	2×7	5×7	35°	1	1	0.31	1435-331122-27/57-45-51
	33	1 19/64	2×7	6×7	40°	2	1	0.31	1435-331122-27/67-45-51
	35	1 3/8	2×7	6×7	40°	2	1	0.35	1435-351122-27/67-45-51
	38	1 1/2	2×7	5×9	35°	1	1	0.41	1435-381122-27/59-45-51
	41	1 5/8	2×7	5×9	35°	1	1	0.42	1435-411122-27/59-45-51
	35	1 3/8	2×7	5×9	35°	1	1	0.38	1435-351125-27/59-45-51
	36	1 27/64	2×7	5×9	35°	1	1	0.39	1435-361125-27/59-45-51
	38	1 1/2	2×7	5×9	35°	1	1	0.41	1435-381125-27/59-45-51
	41	1 5/8	2×7	5×9	35°	1	1	0.42	1435-411125-27/59-45-51
十字形钎头 Cross-type bit	29	1 9/64	12×8		-	1	2	0.25	1221-291122-12/8-42-22
	30	1 3/16	12×8		-	1	2	0.26	1221-301122-12/8-42-22
	32	1 1/4	12×8		-	1	2	0.30	1221-321122-12/8-42-22
	33	1 19/64	12×8		-	1	2	0.32	1221-331122-12/8-42-22
	35	1 3/8	12×8		-	1	2	0.36	1221-351122-12/8-42-22
	36	1 27/64	12×8		-	1	2	0.39	1221-361122-12/8-42-22
	38	1 1/2	12×8		-	1	2	0.43	1221-381122-12/8-42-22
	41	1 5/8	14×8		-	1	2	0.49	1221-411122-14/8-42-22

锥度连接钎具 Tapered rock drilling tools 11°

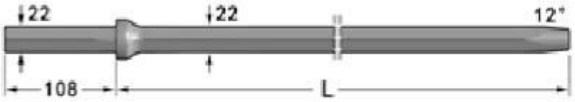
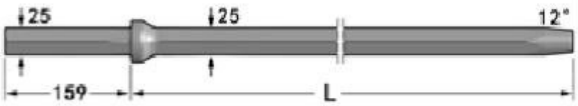
钎杆 Drill rod	长度 Length		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英尺 Foot		
H22mm六棱钎杆,渗碳 Hex.22mm Tapered rod,carburized 	610	2'	2.2	21H22-11/108-0610-40
	1220	4'	4.1	21H22-11/108-1220-40
	1830	6'	5.9	21H22-11/108-1830-40
	2000	6'7"	6.4	21H22-11/108-2000-40
	2435	8'	7.8	21H22-11/108-2435-40
	2600	8'8"	8.3	21H22-11/108-2600-40
	3200	10'6"	10.1	21H22-11/108-3200-40
	3655	12'	11.5	21H22-11/108-3655-40
	4000	13'1"	12.6	21H22-11/108-4000-40
	4800	15'9"	14.9	21H22-11/108-4800-40
	5600	18'4"	17.4	21H22-11/108-5600-40
	6400	21'	19.8	21H22-11/108-6400-40
	7200	23'6"	22.2	21H22-11/108-7200-40
	8000	26'2"	24.6	21H22-11/108-8000-40

锥度连接钎具 Tapered rock drilling tools 12°



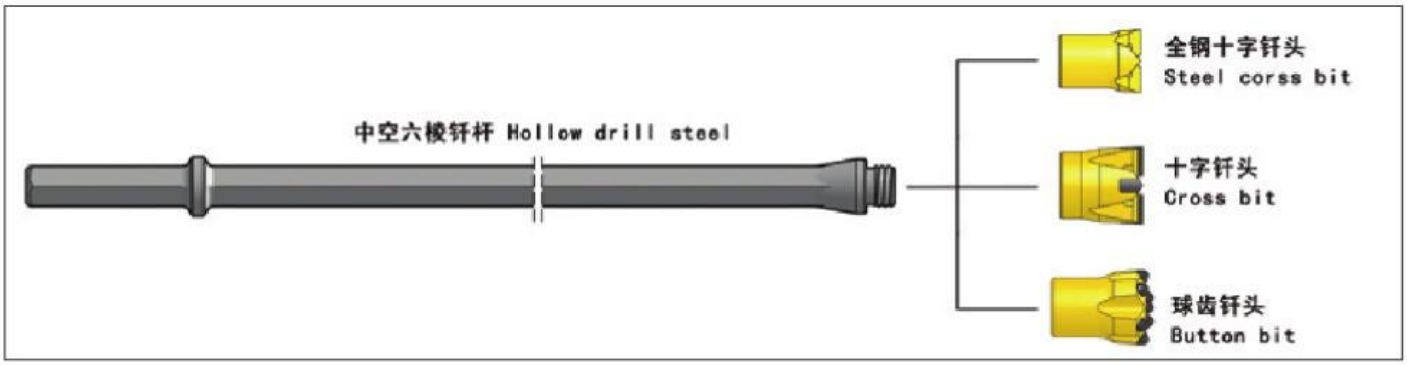
钎头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿钎头，短库体 Button bit,Short skirt	28	1 7/64	1×7	3×7	20°	1	1	0.20	1431-281222-17/37-45-51
	28	1 7/64	1×7	4×7	35°	1	1	0.20	1431-281222-17/47-45-51
	29	1 9/64	1×7	3×7	40°	1	1	0.21	1431-291222-17/37-45-51
	30	1 3/16	1×7	3×7	40°	1	1	0.22	1431-301222-17/37-45-51
	30	1 3/16	1×7	4×7	35°	1	1	0.22	1431-301222-17/47-45-51
	30	1 3/16	2×7	4×7	30°	1	1	0.22	1431-301222-27/47-45-51
	32	1 1/4	2×7	5×7	40°	2	1	0.24	1431-321222-27/57-45-51
	33	1 19/64	2×7	5×7	35°	1	1	0.25	1431-331222-27/57-45-51
	34	1 11/32	2×7	5×8	35°	1	1	0.29	1431-341222-27/58-45-51
	35	1 3/8	2×7	4×7	35°	1	1	0.33	1431-351222-27/47-45-51
	35	1 3/8	2×7	5×8	35°	2	1	0.33	1431-351222-27/58-45-51
	35	1 3/8	2×7	5×9	35°	1	1	0.33	1431-351222-27/59-45-51
	36	1 27/64	2×7	5×9	35°	1	1	0.37	1431-361222-27/59-45-51
	37	1 29/64	2×7	5×9	40°	1	1	0.38	1431-371222-27/59-45-51
	38	1 1/2	1×9	3×9	40°	1	1	0.40	1431-381222-19/39-45-51
	38	1 1/2	2×7	5×9	35°	1	1	0.40	1431-381222-27/59-45-51
	41	1 5/8	2×7	5×9	35°	1	1	0.41	1431-411222-27/59-45-51
长库体 Long skirt	32	1 1/4	2×7	5×7	35°	1	1	0.30	1435-321222-27/57-45-51
	33	1 19/64	2×7	5×7	35°	1	1	0.31	1435-331222-27/57-45-51
	33	1 19/64	2×7	6×7	40°	2	1	0.31	1435-331222-27/67-45-51
	35	1 3/8	2×7	6×7	40°	2	1	0.35	1435-351222-27/67-45-51
	38	1 1/2	2×7	5×9	35°	1	1	0.41	1435-381222-27/59-45-51
	41	1 5/8	2×7	5×9	35°	1	1	0.42	1435-411222-27/59-45-51
	35	1 3/8	2×7	5×9	35°	1	1	0.38	1435-351222-27/59-45-51
	36	1 27/64	2×7	5×9	35°	1	1	0.39	1435-361222-27/59-45-51
	38	1 1/2	2×7	5×9	35°	1	1	0.41	1435-381222-27/59-45-51
	41	1 5/8	2×7	5×9	35°	1	1	0.42	1435-411222-27/59-45-51
十字形钎头 Cross-type bit	29	1 9/64	12×8		-	1	2	0.25	1221-291222-12/8-42-22
	30	1 3/16	12×8		-	1	2	0.26	1221-301222-12/8-42-22
	32	1 1/4	12×8		-	1	2	0.30	1221-321222-12/8-42-22
	33	1 19/64	12×8		-	1	2	0.32	1221-331222-12/8-42-22
	35	1 3/8	12×8		-	1	2	0.36	1221-351222-12/8-42-22
	36	1 27/64	12×8		-	1	2	0.39	1221-361222-12/8-42-22
	38	1 1/2	12×8		-	1	2	0.43	1221-381222-12/8-42-22
	40	1 37/64	12×8		-	1	2	0.46	1221-401222-12/8-42-22
	41	1 5/8	14×8		-	1	2	0.49	1221-411222-14/8-42-22

锥度连接钎具 Tapered rock drilling tools 12°

钎杆 Drill rod	长度 Length 毫米 mm	长度 Length 英尺 Foot	重量 Weight approx kg	三山型号 SANSHAN P/N
H22mm六棱钎杆,渗碳 Hex.22mm Tapered rod,carburized 	610	2'	2.20	21H22-12/108-0610-40
	1220	4'	4.10	21H22-12/108-1220-40
	1830	6'	5.90	21H22-12/108-1830-40
	2000	6'7"	6.40	21H22-12/108-2000-40
	2435	8'	7.80	21H22-12/108-2435-40
	2600	8'8"	8.30	21H22-12/108-2600-40
	3200	10'6"	10.10	21H22-12/108-3200-40
	3655	12'	11.50	21H22-12/108-3655-40
	4000	13'1"	12.60	21H22-12/108-4000-40
	4800	15'9"	14.90	21H22-12/108-4800-40
	5600	18'4"	17.40	21H22-12/108-5600-40
	6400	21'	19.80	21H22-12/108-6400-40
	7200	23'6"	22.20	21H22-12/108-7200-40
	8000	26'2"	24.60	21H22-12/108-8000-40
H25mm六棱钎杆,渗碳 Hex.25mm Tapered rod,carburized 	1830	6'	7.96	21H25-12/159-1830-40
	2435	8'	10.38	21H25-12/159-2435-40
	3050	10'	12.84	21H25-12/159-3050-40
	3655	12'	15.26	21H25-12/159-3655-40
	3965	13'	16.50	21H25-12/159-3965-40
	4270	14'	17.72	21H25-12/159-4270-40
	4880	16'	20.16	21H25-12/159-4880-40
	5530	18'	22.76	21H25-12/159-5530-40
	6095	20'	25.02	21H25-12/159-6095-40

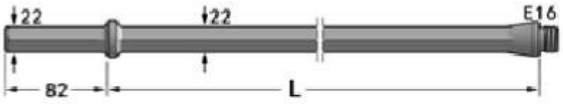
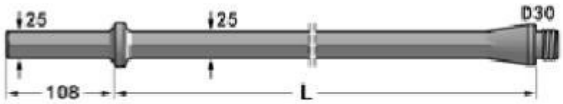
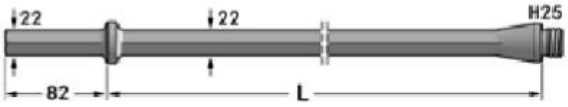
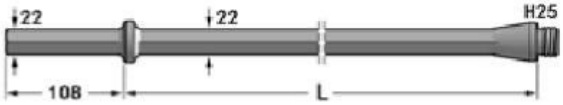
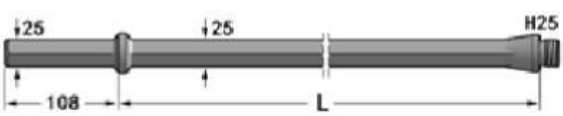
三山钎具 SANSHAN Rock Drilling Tools

肩冲式钎具 Shoulder drive drilling



钎头 Drill bit	钎头直径 Diameter		合金 Tip size (mm)			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	高×厚 Height×Width			正 Front	侧 Side		
E螺纹全钢十字钎头 E-Thread steel cross bit	24	15/16	-			1	-	0.07	1223-24E16-42
	25	1	-			1	-	0.08	1223-25E16-42
	28	1 1/8	-			1	-	0.09	1223-28E16-42
	32	1 1/4	-			1	-	0.10	1223-32E16-42
D螺纹全钢十字钎头 D-Thread stell cross bit	45	1 3/4	-			1	4	0.30	1223-45D30-42
	48	1 7/8	-			1	4	0.40	1223-48D30-42
	51	2	-			1	4	0.42	1223-51D30-42
	57	2 1/4	-			1	4	0.51	1223-57D30-42
	64	2 1/2	-			1	4	0.58	1223-64D30-42
	70	2 3/4	-			1	4	0.63	1223-70D30-42
	76	3	-			1	4	0.69	1223-76D30-42
	83	3 1/4	-			1	4	1.08	1223-83D30-42
	89	3 1/2	-			1	4	1.18	1223-89D30-42
	102	4	-			1	4	1.39	1223-102D30-42
H螺纹十字钎头 H-Thread cross bit	35	1 3/8	12×8			1	4	0.22	1221-35H25-12/8-42-23
	38	1 1/2	12×8			1	4	0.26	1221-38H25-12/8-42-23
	41	1 5/8	12×8			1	4	0.30	1221-41H25-12/8-42-23
	45	1 3/4	14×8			1	4	0.38	1221-45H25-14/8-42-23
	48	1 7/8	14×8			1	4	0.42	1221-48H25-14/8-42-23
	51	2	14×8			1	4	0.50	1221-51H25-14/8-42-23
	54	2 1/8	14×8			1	4	0.50	1221-54H25-14/8-42-23
	57	2 1/4	16×10			1	4	0.61	1221-57H25-16/10-42-23
	64	2 1/2	16×10			1	4	0.71	1221-64H25-16/10-42-23
	70	2 3/4	16×10			1	4	0.88	1221-70H25-16/10-42-23
	76	3	20×12			1	4	1.25	1221-76H25-20/12-42-23
H螺纹球齿钎头 H-Thread button bit	35	1 3/8	2×7	5×8	35°	1	1	0.26	1431-35H25-27/58-42-53
	38	1 1/2	2×7	5×9	30°	1	1	0.30	1431-38H25-27/59-42-53
	41	1 5/8	2×8	5×9	35°	1	1	0.34	1431-41H25-28/59-42-53
	45	1 3/4	3×8	6×9	40°	1	1	0.42	1431-45H25-38/69-42-53
	48	1 7/8	3×8	6×10	40°	1	1	0.46	1431-48H25-38/610-42-53
	51	2	3×9	6×10	40°	1	1	0.54	1431-51H25-39/610-42-53
	57	2 1/4	3×9	6×11	35°	1	1	0.66	1431-57H25-39/611-42-53

肩冲式钎具 Shoulder drive drilling

钎杆 Drill rod	长度 Length 毫米 mm	长度 Length 英尺 Foot	重量 Weight approx kg	三山型号 SANSHAN P/N
H22mm六棱钎杆 Hex.22mm Hollow drill steel 	305	1'	1.20	21H22-E16/82-0305-40
	455	1'6"	1.67	21H22-E16/82-0455-40
	610	2'	2.15	21H22-E16/82-0610-40
	762	2'6"	2.62	21H22-E16/82-0762-40
	915	3'	3.10	21H22-E16/82-0915-40
	1220	4'	4.04	21H22-E16/82-1220-40
	1525	5'	4.99	21H22-E16/82-1525-40
	1830	6'	5.93	21H22-E16/82-1830-40
H25mm六棱钎杆 Hex.25mm Hollow drill steel 	305	1'	1.66	21H25-D30/108-0305-40
	455	1'6"	2.26	21H25-D30/108-0455-40
	610	2'	2.88	21H25-D30/108-0610-40
	762	2'6"	3.48	21H25-D30/108-0762-40
	915	3'	4.10	21H25-D30/108-0915-40
	1220	4'	5.32	21H25-D30/108-1220-40
	1525	5'	6.54	21H25-D30/108-1525-40
	1830	6'	7.76	21H25-D30/108-1830-40
H22mm六棱钎杆 Hex.22mm Hollow drill steel 	305	1'	1.20	21H22-H25/82-0305-40
	455	1'6"	1.67	21H22-H25/82-0455-40
	610	2'	2.15	21H22-H25/82-0610-40
	762	2'6"	2.62	21H22-H25/82-0762-40
	915	3'	3.10	21H22-H25/82-0915-40
	1220	4'	4.04	21H22-H25/82-1220-40
	1525	5'	4.99	21H22-H25/82-1525-40
	1830	6'	5.93	21H22-H25/82-1830-40
	2440	8'	7.82	21H22-H25/82-2440-40
	3050	10'	9.71	21H22-H25/82-3050-40
	3660	12'	11.60	21H22-H25/82-3660-40
	4270	14'	13.49	21H22-H25/82-4270-40
H22mm六棱钎杆 Hex.22mm Hollow drill steel 	305	1'	1.30	21H22-H25/108-0305-40
	455	1'6"	1.72	21H22-H25/108-0455-40
	610	2'	2.24	21H22-H25/108-0610-40
	762	2'6"	2.71	21H22-H25/108-0762-40
	915	3'	3.18	21H22-H25/108-0915-40
	1220	4'	4.12	21H22-H25/108-1220-40
	1525	5'	5.07	21H22-H25/108-1525-40
	1830	6'	6.01	21H22-H25/108-1830-40
	2440	8'	7.90	21H22-H25/108-2440-40
	3050	10'	9.79	21H22-H25/108-3050-40
	3660	12'	11.68	21H22-H25/108-3660-40
	4270	14'	13.57	21H22-H25/108-4270-40
H25mm六棱钎杆 Hex.25mm Hollow drill steel 	305	1'	1.66	21H25-H25/108-0305-40
	455	1'6"	2.26	21H25-H25/108-0455-40
	610	2'	2.88	21H25-H25/108-0610-40
	762	2'6"	3.48	21H25-H25/108-0762-40
	915	3'	4.10	21H25-H25/108-0915-40
	1220	4'	5.32	21H25-H25/108-1220-40
	1525	5'	6.54	21H25-H25/108-1525-40
	1830	6'	7.76	21H25-H25/108-1830-40
	2440	8'	10.20	21H25-H25/108-2440-40
	3050	10'	12.64	21H25-H25/108-3050-40
	3660	12'	15.08	21H25-H25/108-3660-40
	4270	14'	17.52	21H25-H25/108-4270-40



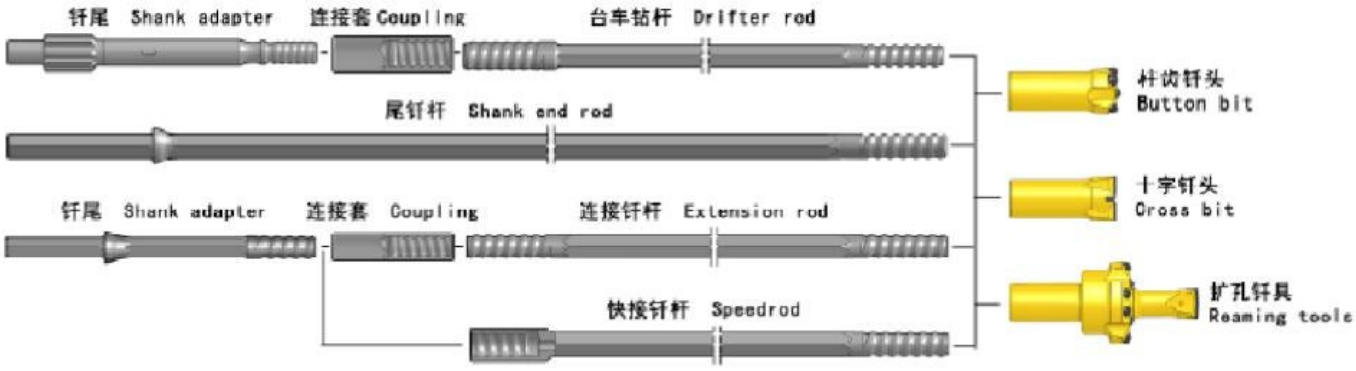


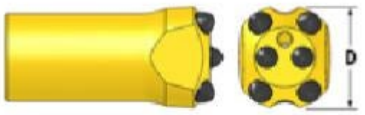
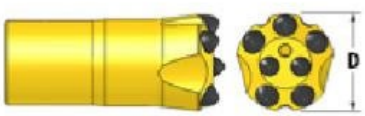
Drifting and tunneling 台车掘进钎具

	Page
R25	26
R28	28
R32	30

SANSHAN

台车掘进钎具 Drifting and tunneling R25



钎头 Drill bit	钎头直径 Diameter 毫米 mm	钎头直径 Diameter 英寸 inch	合金数量×直径 No×button diameter 芯齿 Front	合金数量×直径 No×button diameter 边齿 Gauge	合金数量×直径 No×button diameter 倾角 Angle	水孔数量 Flushing hole 正 Front	水孔数量 Flushing hole 侧 Side	重量 Weight approx kg	三山型号 SANSHAN P/N
柱齿形钎头 Button bit	圆齿 Spherical buttons								
	33	1 19/64	2×7	5×7	35°	1	1	0.4	1431-33R25-27/57-45-41
	35	1 3/8	2×7	5×8	35°	1	1	0.4	1431-35R25-27/58-45-41
	38	1 1/2	2×7	5×8	30°	1	1	0.5	1431-38R25-27/58-45-41
	38	1 1/2	2×7	5×9	30°	1	1	0.5	1431-38R25-27/59-45-41
	41	1 5/8	2×9	4×9	35°	1	2	0.6	1431-41R25-29/49-45-41
	41	1 5/8	2×8	5×9	35°	1	1	0.6	1431-41R25-28/59-45-41
	45	1 3/4	2×9	4×11	35°	1	2	0.6	1431-45R25-29/411-45-41
	45	1 3/4	2×8	5×10	30°	1	2	0.6	1431-45R25-28/510-45-41
	45	1 3/4	2×8	5×11	30°	1	2	0.6	1431-45R25-28/511-45-41
	抛物线齿 Parabolic buttons								
	33	1 19/64	2×7	5×7	35°	1	1	0.4	1431-33R25-27/57-45-51
	35	1 3/8	2×7	5×9	25°	1	1	0.4	1431-35R25-27/59-45-51
	38	1 1/2	2×7	5×9	40°	1	1	0.5	1431-38R25-27/59-45-51
	41	1 5/8	2×8	5×9	40°	1	1	0.6	1431-41R25-28/59-45-51
	45	1 3/4	2×9	5×10	35°	1	2	0.6	1431-45R25-29/510-45-51
扩孔钎头 Reaming bit 6°	64	2 1/2	2×10	8×9	35°	-	-	0.8	1441-646-210/89-45-41
	64	2 1/2	4×8	8×9	25°	-	-	0.8	1441-646-48/89-45-41
	76	3	2×11	8×11	35°	-	-	1.2	1441-766-211/811-45-41
	76	3	4×10	8×10	30°	-	-	1.2	1441-766-410/810-45-41
	89	3 1/2	4×11	8×11	35°	-	-	1.7	1441-896-411/811-45-41
	89	3 1/2	4×10	8×10	30°	-	-	1.7	1441-896-410/810-45-41
扩孔导向器 Pilot adapter 6°	26	1 1/32	12×8		-	-	-	1.3	1442-26R25-12/8-42-22
									
十字型钎头 Cross-type bit	33	1 19/64	14×8		-	1	2	0.4	1221-33R25-14/8-42-23
	35	1 3/8	14×8		-	1	2	0.5	1221-35R25-14/8-42-23
	38	1 1/2	14×8		-	1	4	0.6	1221-38R25-14/8-42-23
	41	1 5/8	14×8		-	1	4	0.7	1221-41R25-14/8-42-23
	43	1 11/16	14×8		-	1	4	0.7	1221-43R25-14/8-42-23
	45	1 3/4	14×8		-	1	2	0.8	1221-45R25-14/8-42-23
	51	2	14×8		-	1	4	1.1	1221-51R25-14/8-42-23

台车掘进钎具 Drifting and tunneling R25

钎杆 Drill rod

长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
六方钎杆 Drifter rod, R32-Hex25-R25 内孔 Flushing hole 8.6mm.					
2100	7'	25	1"	8.6	22H25-R25/R32-2100-23
2400	8'	25	1"	9.6	22H25-R25/R32-2400-23
2600	8'8"	25	1"	10.4	22H25-R25/R32-2600-23
2800	9'	25	1"	11.1	22H25-R25/R32-2800-23
3090	10'	25	1"	12.2	22H25-R25/R32-3090-23
3700	12'	25	1"	14.6	22H25-R25/R32-3700-23
六方钎杆 Extension rod, R25-Hex25-R25 内孔 Flushing hole 8.6mm.					
915	3'	25	1"	3.4	23H25-R25-0915-23
1000	3'33/8"	25	1"	4.0	23H25-R25-1000-23
1220	4'	25	1"	4.6	23H25-R25-1220-23
1525	5'	25	1"	5.8	23H25-R25-1525-23
1830	6'	25	1"	7.0	23H25-R25-1830-23
2435	8'	25	1"	9.3	23H25-R25-2435-23
3050	10'	25	1"	12.0	23H25-R25-3050-23
六方快接钎杆 Speedrod, R25-Hex25-R25 内孔 Flushing hole 8.6mm.					
610	2'	25	1"	2.7	24H25-R25/35-0610-23
1220	4'	25	1"	5.1	24H25-R25/35-1220-23

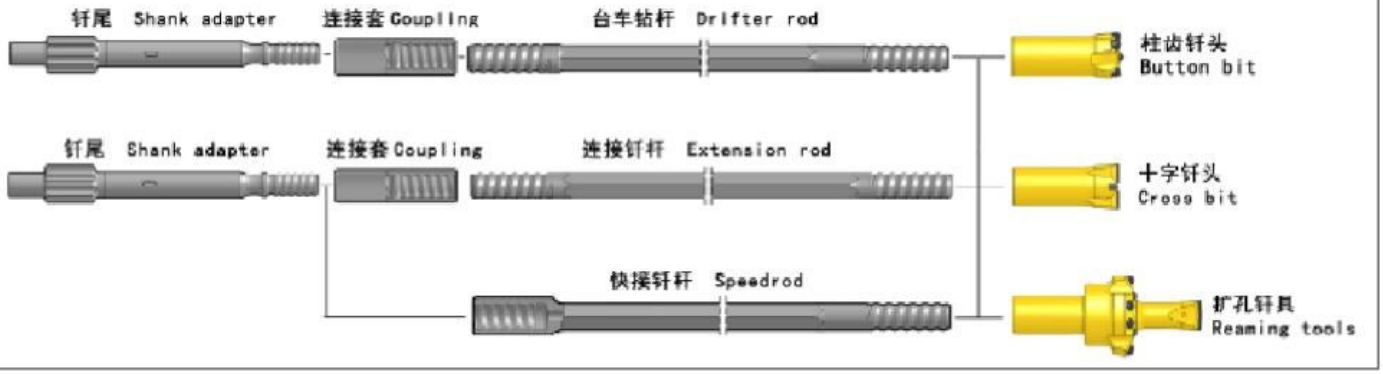
六棱钎尾钎杆 Shank end rod

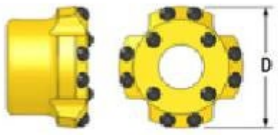
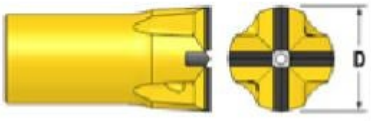
长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
六棱尾钎杆 Shank adapter/rod					
钎尾 22mm×108mm		Shank 22mm×108mm			
610	2'	22	7/8	2.6	21H22-R25/108-0610-40
760	2'6"	22	7/8	2.9	21H22-R25/108-0760-40
1000	3'3"	22	7/8	3.7	21H22-R25/108-1000-40
1200	4'	22	7/8	4.4	21H22-R25/108-1200-40
1830	6'	22	7/8	6.3	21H22-R25/108-1830-40
2435	8'	22	7/8	8.1	21H22-R25/108-2435-40
3200	10'6"	22	7/8	10.6	21H22-R25/108-3200-40
3600	12'	22	7/8	12.0	21H22-R25/108-3600-40
钎尾 25mm×159mm		Shank 25mm×159mm			
2700	8'10"	25	1"	11.3	21H25-R25/159-2700-40
3200	10'6"	25	1"	13.7	21H25-R25/159-3200-40

连接套 Coupling

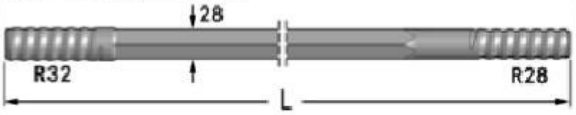
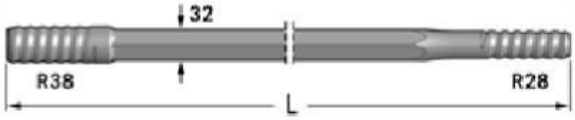
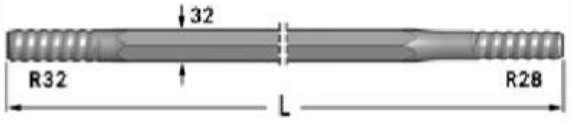
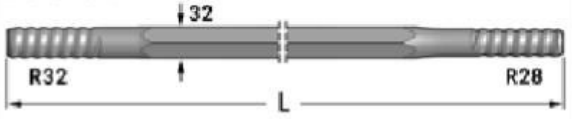
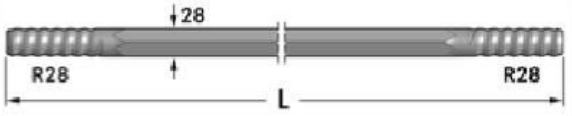
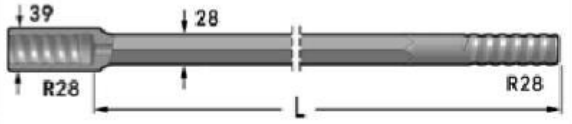
长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves						
155	6 1/8	44	1 3/4	R32	1.0	31-R32-44-155-23
150	5 7/8	35	1 3/8	R25	0.7	31-R25-35-150-23
160	6 5/16	38	1 1/2	R25	1.3	31-R25-38-160-23
变径连接套 Coupling sleeves of different diameter						
150	5 7/8	45	1 3/4	R25-R32	1.1	33-R25/R32-45-150-23
160	6 5/16	45	1 3/4	R25-R32	1.2	33-R25/R32-45-160-23
160	6 5/16	56	1 13/64	R25-R38	2.5	33-R25/R38-56-160-23
170	6 3/4	56	1 13/64	R25-T38	3.2	33-R25/T38-56-170-23

台车掘进钎具 Drifting and tunneling R28



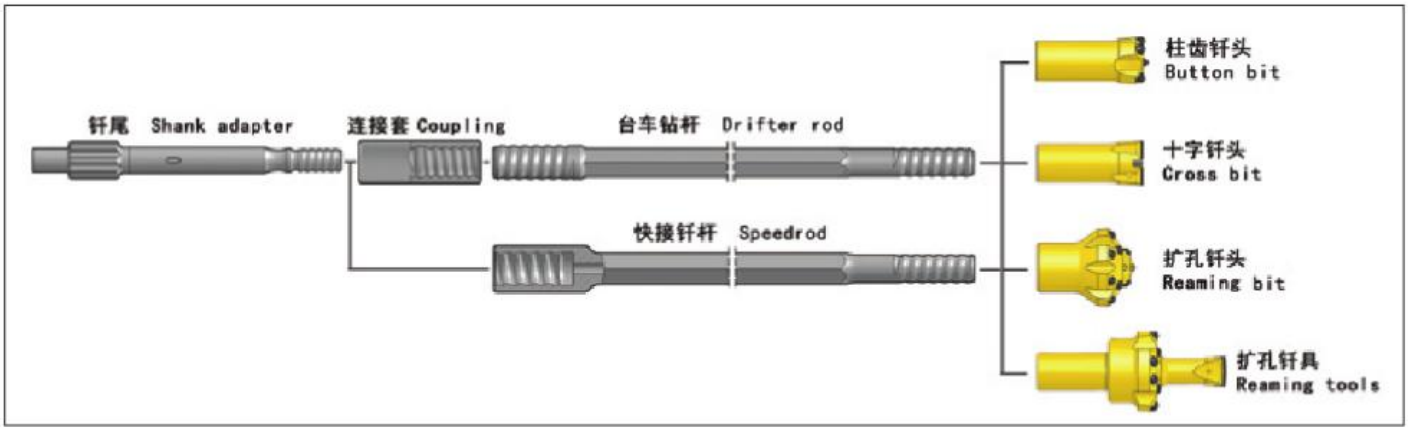
钎头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿形钎头 Button bit	圆齿 Spherical buttons								
	37	1 29/64	2×7	5×9	30°	1	1	0.5	1431-37R28-27/59-45-41
	38	1 1/2	2×8	4×9	30°	1	2	0.6	1431-38R28-28/49-45-41
	38	1 1/2	2×7	5×9	30°	1	1	0.6	1431-38R28-27/59-45-41
	41	1 5/8	2×8	5×9	35°	1	1	0.7	1431-41R28-28/59-45-41
	43	1 11/16	2×9	5×9	35°	1	2	0.8	1431-43R28-29/59-45-41
	45	1 3/4	2×9	5×10	30°	1	2	0.9	1431-45R28-29/510-45-41
	45	1 3/4	3×8	6×9	35°	1	3	0.9	1431-45R28-38/69-45-41
	抛物线齿 Parabolic buttons								
	37	1 29/64	2×7	5×9	30°	1	1	0.5	1431-37R28-27/59-45-51
	38	1 1/2	2×8	4×9	30°	1	2	0.6	1431-38R28-28/49-45-51
	38	1 1/2	2×7	5×9	30°	1	1	0.6	1431-38R28-27/59-45-51
	41	1 5/8	2×8	5×9	35°	1	1	0.7	1431-41R28-28/59-45-51
	43	1 11/16	2×9	5×9	35°	1	2	0.8	1431-43R28-29/59-45-51
	45	1 3/4	2×9	5×10	30°	1	2	0.9	1431-45R28-29/510-45-51
	45	1 3/4	3×8	6×9	35°	1	3	0.9	1431-45R28-38/69-45-51
	48	1 7/8	2×9	5×11	30°	1	2	1.0	1431-48R28-29/511-45-51
	48	1 7/8	3×8	6×9	35°	1	3	1.0	1431-48R28-38/69-45-51
扩孔钎头 Reaming bit 6°	64	2 1/2	2×10	8×9	35°	-	-	0.8	1441-646-210/89-45-41
	64	2 1/2	4×8	8×9	25°	-	-	0.8	1441-646-48/89-45-41
	76	3	2×11	8×11	35°	-	-	1.2	1441-766-211/811-45-41
	76	3	4×10	8×10	30°	-	-	1.2	1441-766-410/810-45-41
	89	3 1/2	4×11	8×11	35°	-	-	1.7	1441-896-411/811-45-41
	89	3 1/2	4×10	8×10	30°	-	-	1.7	1441-896-410/810-45-41
扩孔导向器 Pilot adapter 6°	26	1 1/32	12×8		-	-	-	1.5	1442-26R28-12/8-42-22
									
十字型钎头 Cross-type bit	38	1 1/2	14×8		-	1	2	0.6	1221-38R28-14/8-42-23
	41	1 5/8	14×8		-	1	4	0.7	1221-41R28-14/8-42-23
	43	1 11/16	14×8		-	1	4	0.7	1221-43R28-14/8-42-23
	45	1 3/4	14×8		-	1	4	0.9	1221-45R28-14/8-42-23
	51	2	14×8		-	1	4	1.1	1221-51R28-14/8-42-23

台车掘进钎具 Drifting and tunneling R28

钎杆 Drill rod	长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
六方钎杆 Drifter rod, R32-Hex28-R28 内孔 Flushing hole 8.8mm. 	2400	7'10"	28	1 1/8	12.2	22H28-R28/R32-2400-23
	2750	9'	28	1 1/8	14.4	22H28-R28/R32-2750-23
	3700	12'11/2"	28	1 1/8	18.9	22H28-R28/R32-3700-23
	4000	13'13/8"	28	1 1/8	20.4	22H28-R28/R32-4000-23
	4310	14'11/2"	28	1 1/8	22.0	22H28-R28/R32-4310-23
	4920	16'11/2"	28	1 1/8	25.3	22H28-R28/R32-4920-23
六方钎杆 Drifter rod, R38-Hex32-R28 内孔 Flushing hole 9.6mm. 	2900	9'61/8"	32	1 1/4	18.8	22H32-R28/R38-2900-23
	3090	10'11/2"	32	1 1/4	20.0	22H32-R28/R38-3090-23
	3700	12'11/2"	32	1 1/4	24.0	22H32-R28/R38-3700-23
	4310	14'11/2"	32	1 1/4	27.9	22H32-R28/R38-4310-23
六方钎杆 Drifter rod, R32-Hex32-R28 内孔 Flushing hole 9.6mm. 	3090	10'11/2"	32	1 1/4	20.0	22H32-R28/R32-3090-23
	3700	12'11/2"	32	1 1/4	23.5	22H32-R28/R32-3700-23
六方钎杆 Drifter rod, R32-Hex32-R28 内孔 Flushing hole 9.6mm. 接内螺纹钎尾 With slimmed shank end for female shank 	3090	10'11/2"	32	1 1/4	20.0	22H32-R28/R32N-3090-23
	3700	12'11/2"	32	1 1/4	24.0	22H32-R28/R32N-3700-23
	4000	13'13/8"	32	1 1/4	25.9	22H32-R28/R32N-4000-23
	4310	14'11/2"	32	1 1/4	27.9	22H32-R28/R32N-4310-23
六方钎杆 Extension rod, R28-Hex28-R28 内孔 Flushing hole 8.8mm. 	3050	10'	28	1 1/8	15.0	23H28-R28-3050-23
六方钎杆 Speedrod, R28-Hex28-R28 内孔 Flushing hole 8.8mm. 	3050	10'	28	1 1/8	15.0	24H28-R28/39-3050-23

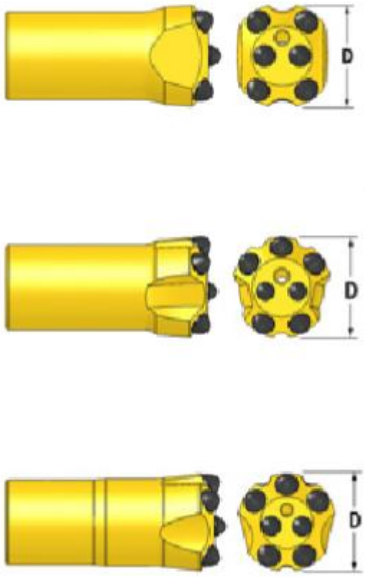
连接套 Coupling	长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approxkg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves 	150	5 7/8	44	1 3/4	R32	1.0	31-R32-44-150-23
	150	5 7/8	40	1 37/64	R28	0.9	31-R28-40-150-23
	170	6 3/4	55	2 5/32	R38	2.0	31-R38-55-170-23
变径连接套 Coupling sleeves of different diameter	160	6 5/16	45	1 3/4	R28-R32	1.2	33-R28/R32-45-160-23
	160	6 5/16	56	1 13/64	R28-R38	2.5	33-R28/R38-56-160-23

台车掘进钎具 Drifting and tunneling R32



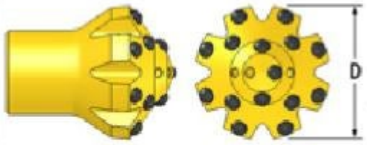
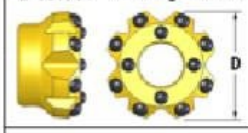
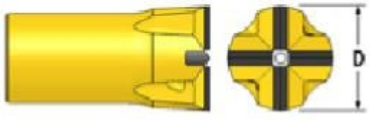
钎头 Drill bit

柱齿形钎头
Button bit



钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
圆齿 Spherical buttons								
41	1 5/8	2×9	4×9	35°	1	1	0.6	1431-41R32-29/49-45-41
41	1 5/8	2×8	5×9	35°	1	1	0.7	1431-41R32-28/59-45-41
43	1 11/16	2×9	5×9	35°	1	2	0.7	1431-43R32-29/59-45-41
43	1 11/16	2×9	5×10	35°	1	1	0.7	1431-43R32-29/510-45-41
43	1 11/16	2×9	6×9	40°	2	-	0.7	1431-43R32-29/69-45-41
45	1 3/4	2×9	5×11	30°	1	1	0.8	1431-45R32-29/511-45-41
45	1 3/4	2×9	6×10	35°	2	-	0.8	1431-45R32-29/610-45-41
45	1 3/4	3×8	6×10	30°	3	-	0.8	1431-45R32-38/610-45-41
48	1 7/8	2×9	5×11	35°	1	1	0.9	1431-48R32-29/511-45-41
48	1 7/8	2×9	6×10	40°	2	-	0.9	1431-48R32-29/610-45-41
48	1 7/8	3×8	6×10	40°	3	-	0.9	1431-48R32-38/610-45-41
48	1 7/8	3×9	6×10	30°	3	-	0.9	1431-48R32-39/610-45-41
51	2	2×10	5×11	35°	1	1	1.0	1431-51R32-210/511-45-41
51	2	2×10	6×10	40°	2	-	1.0	1431-51R32-210/610-45-41
51	2	3×9	6×10	35°	3	-	1.0	1431-51R32-39/610-45-41
57	2 1/4	3×9	6×11	35°	3	-	1.3	1431-57R32-39/611-45-41
64	2 1/2	3×10,1×10	6×11	35°	3	-	1.6	1433-64R32-410/611-45-41
64	2 1/2	4×10	8×10	40°	2	-	1.6	1431-64R32-410/810-45-41
76	3	4×11	8×11	40°	2	-	2.6	1431-76R32-411/811-45-41
抛物线齿 Parabolic buttons								
41	1 5/8	2×8	5×9	40°	1	1	0.7	1431-41R32-28/59-45-51
43	1 11/16	2×9	5×9	40°	1	2	0.7	1431-43R32-29/59-45-51
43	1 11/16	2×9	6×9	40°	2	-	0.7	1431-43R32-29/69-45-51
43	1 11/16	3×8	6×8	40°	3	1	0.7	1431-43R32-38/68-45-51
45	1 3/4	2×9	5×11	30°	1	2	0.8	1431-45R32-29/511-45-51
45	1 3/4	2×9	6×9	40°	2	2	0.8	1431-45R32-29/69-45-51
45	1 3/4	3×8	6×9	40°	3	1	0.8	1431-45R32-38/69-45-51
48	1 7/8	2×9	5×11	35°	1	1	0.9	1431-48R32-29/511-45-51
48	1 7/8	2×9	6×10	40°	2	-	0.9	1431-48R32-29/610-45-51
48	1 7/8	3×8	6×10	40°	3	-	0.9	1431-48R32-38/610-45-51
51	2	2×10	6×10	40°	2	-	1.0	1431-51R32-210/610-45-51
51	2	3×9	6×10	40°	3	1	1.0	1431-51R32-39/610-45-51
54	2 1/8	3×9	6×10	40°	3	1	1.0	1431-54R32-39/610-45-51
57	2 1/4	3×9	6×11	35°	3	-	1.3	1431-57R32-39/611-45-51
64	2 1/2	4×10	8×10	40°	2	-	1.6	1431-64R32-410/810-45-51

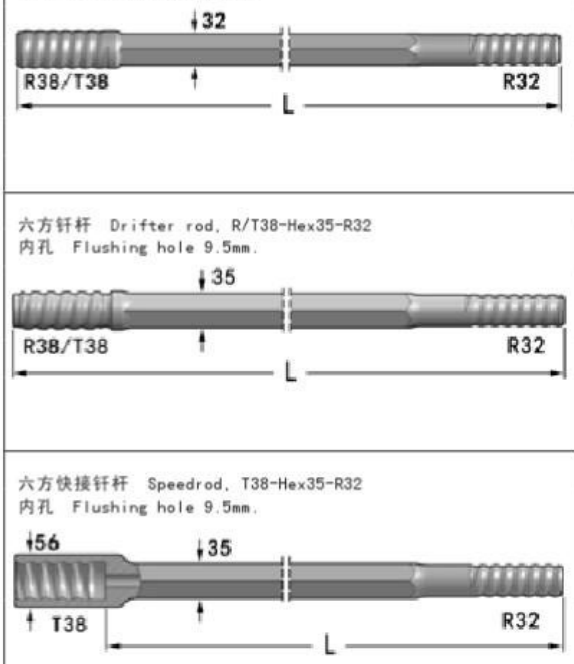
台车掘进钎具 Drifting and tunneling R32

钎头 Drill bit	钎头直径 Diameter 毫米 mm	钎头直径 Diameter 英寸 inch	合金数量×直径 No×button diameter 芯齿 Front	合金数量×直径 No×button diameter 边齿 Gauge	合金数量×直径 No×button diameter 倾角 Angle	水孔数量 Flushing hole 正 Front	水孔数量 Flushing hole 侧 Side	重量 Weight approx kg	三山型号 SANSHAN P/N
柱齿易返钎头 Retrac button bit 	圆齿 Spherical buttons								
	45	1 3/4	3×8	6×9	40°	3	-	1.1	1531-45R32-38/69-45-41
	48	1 7/8	3×9	6×10	30°	3	-	1.2	1531-48R32-39/610-45-41
	51	2	3×9	6×10	30°	3	-	1.4	1531-51R32-39/610-45-41
	64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64R32-410/611-45-41
	64	2 1/2	4×10	8×10	40°	2	-	2.2	1531-64R32-410/810-45-41
	76	3	4×11,1×11	8×11	35°	4	1	3.5	1533-76R32-511/811-45-41
	抛物线齿 Parabolic buttons								
	45	1 3/4	3×8	6×9	40°	3	-	1.1	1531-45R32-38/69-45-51
	48	1 7/8	3×9	6×10	30°	3	-	1.2	1531-48R32-39/610-45-51
	51	2	3×9	6×10	30°	3	-	1.4	1531-51R32-39/610-45-51
	64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64R32-410/611-45-51
	64	2 1/2	4×10	8×10	40°	2	-	2.2	1531-64R32-410/810-45-51
	76	3	4×11,1×11	8×11	35°	4	1	3.5	1533-76R32-511/811-45-51
柱齿扩孔钎头 Dome bit for reaming 	圆齿 Spherical buttons								
	76	3	1×13	9×13	35°	3	1	2.0	1441-76R32-113/913-45-41
	89	3 1/2	1×13	14×13	35°	2	2	2.6	1441-89R32-113/1413-45-41
	102	4	1×13	16×13	35°	2	2	3.2	1441-102R32-113/1613-45-41
	127	5	1×13	18×13	35°	3	1	4.8	1441-127R32-113/1813-45-41
	抛物线齿 Parabolic buttons								
	76	3	1×13	9×13	35°	3	1	2.0	1441-76R32-113/913-45-51
	89	3 1/2	1×13	14×13	35°	2	2	2.6	1441-89R32-113/1413-45-51
	102	4	1×13	16×13	35°	2	2	3.2	1441-102R32-113/1613-45-51
	127	5	1×13	18×13	35°	3	1	4.8	1441-127R32-113/1813-45-51
扩孔钎头 Reaming bit 6° 	64	2 1/2	2×10	8×9	35°	-	-	0.8	1441-646-210/89-45-41
	64	2 1/2	4×8	8×9	25°	-	-	0.8	1441-646-48/89-45-41
	76	3	2×11	8×11	35°	-	-	1.2	1441-766-211/811-45-41
	76	3	4×10	8×10	30°	-	-	1.2	1441-766-410/810-45-41
	89	3 1/2	4×11	8×11	35°	-	-	1.7	1441-896-411/811-45-41
	89	3 1/2	4×10	8×10	30°	-	-	1.7	1441-896-410/810-45-41
扩孔导向器 Pilot adapter 6° 	26	1 1/32	12×8		-	-	-	1.5	1442-26R32-12/8-42-22
扩孔钎头 Reaming bit 12° 	89	3 1/2	4×10	8×12	35°	-	-	1.8	1441-8912-410/812-45-41
	102	4	4×12	8×12	35°	-	-	2.1	1441-10212-412/812-45-41
	127	5	4×12	8×12	35°	-	-	4.0	1441-12712-412/812-45-41
	127	5	4×13	8×13	35°	-	-	4.0	1441-12712-413/813-45-41
扩孔导向器 Pilot adapter 12° 	40	1 37/64	15×10		-	-	-	2.2	1442-40R32-15/10-42-22
十字型钎头 Cross-type bit 	41	1 5/8	16×10		-	1	4	0.7	1221-41R32-16/10-42-23
	43	1 11/16	16×10		-	1	2	0.8	1221-43R32-16/10-42-23
	45	1 3/4	16×10		-	1	4	0.9	1221-45R32-16/10-42-23
	48	1 7/8	16×10		-	1	4	0.9	1221-48R32-16/10-42-23
	51	2	16×10		-	1	4	1.2	1221-51R32-16/10-42-23
	57	2 1/4	16×10		-	1	4	1.3	1221-57R32-16/10-42-23
	64	2 1/2	18×13		-	1	4	1.5	1221-64R32-18/13-42-23

台车掘进钎具 Drifting and tunneling R32

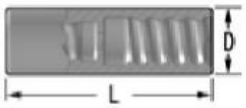
钎杆 Drill rod

长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
六方钎杆 Drifter rod, R/T38-Hex32-R32 内孔 Flushing hole 9.6mm.					
2400	7'10"	32	1 1/4	15.3	22H32-R32/T38-2400-23
3090	10'11/2"	32	1 1/4	19.8	22H32-R32/T38-3090-23
3400	11'13/4"	32	1 1/4	21.7	22H32-R32/T38-3400-23
4000	13'13/8"	32	1 1/4	25.5	22H32-R32/T38-4000-23
4310	14'11/2"	32	1 1/4	27.5	22H32-R32/T38-4310-23
4920	16'11/2"	32	1 1/4	31.3	22H32-R32/T38-4920-23
5530	18'11/2"	32	1 1/4	35.2	22H32-R32/T38-5530-23
六方钎杆 Drifter rod, R/T38-Hex35-R32 内孔 Flushing hole 9.5mm.					
3090	10'11/2"	35	1 3/8	24.0	22H35-R32/T38-3090-23
3700	12'11/2"	35	1 3/8	28.7	22H35-R32/T38-3700-23
4000	13'13/8"	35	1 3/8	31.1	22H35-R32/T38-4000-23
4310	14'11/2"	35	1 3/8	33.4	22H35-R32/T38-4310-23
4920	16'11/2"	35	1 3/8	37.8	22H35-R32/T38-4920-23
5530	18'11/2"	35	1 3/8	42.9	22H35-R32/T38-5530-23
6100	20'	35	1 3/8	47.3	22H35-R32/T38-6100-23
六方快接钎杆 Speedrod, T38-Hex35-R32 内孔 Flushing hole 9.5mm.					
3700	12'11/2"	35	1 3/8	29.0	24H35-R32/T38-3700-23
4310	14'11/2"	35	1 3/8	34.1	24H35-R32/T38-4310-23
4920	16'11/2"	35	1 3/8	38.8	24H35-R32/T38-4920-23
5530	18'11/2"	35	1 3/8	43.6	24H35-R32/T38-5530-23
6400	21'	35	1 3/8	50.3	24H35-R32/T38-6400-23



连接套 Coupling

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves						
170	6 3/4	55	2 5/32	R38	1.8	31-R38-55-170-23
190	7 1/2	55	2 5/32	T38	2.0	31-T38-55-190-23
变径连接套 Coupling sleeves of different diameter						
150	6 1/8	45	1 3/4	R25-R32	1.1	33-R25/R32-45-150-23
160	6 1/4	45	1 3/4	R25-R32	1.2	33-R25/R32-45-160-23
160	6 1/4	45	1 3/4	R28-R32	1.2	33-R28/R32-45-160-23
160	6 1/4	55	2 5/32	R32-R38	1.8	33-R32/R38-55-160-23
170	6 3/4	55	2 5/32	R32-R38	2.0	33-R32/R38-55-170-23
180	7 1/16	55	2 5/32	R32-R38	2.2	33-R32/R38-55-180-23
210	8 1/4	55	2 5/32	R32-R38	2.8	33-R32/R38-55-210-23
170	6 3/4	56	2 1/8	R32-T38	2.1	33-R32/T38-56-170-23
180	7 1/16	56	2 1/8	R32-T38	2.2	33-R32/T38-56-180-23
210	8 1/4	56	2 1/8	R32-T38	2.8	33-R32/T38-56-210-23
190	7 1/2	63	2 33/64	R32-T45	3.2	33-R32/T45-63-190-23







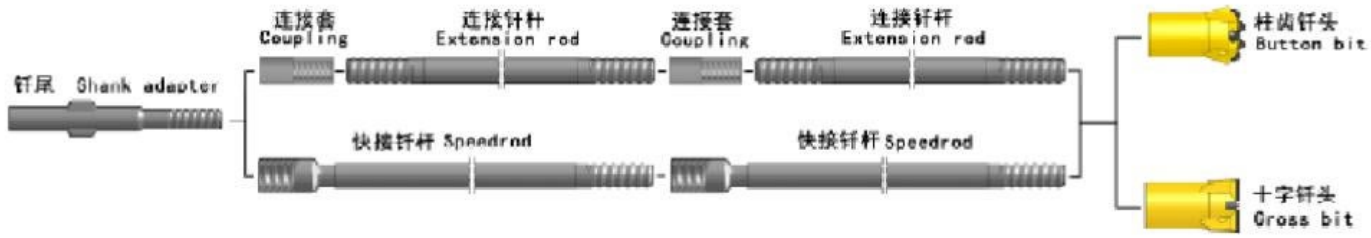
Bench and production drilling 潜孔螺纹钎具

	Page
R3212	34
R32	36
HL38	39
T38	41
T45	45
T51	48
T60	51
ST58	53
ST68	55

SANSHAN

深孔螺纹钎具 Bench drilling

R3212



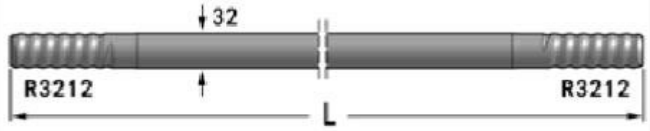
柱齿形钎头 Button bit	48	1 7/8	2×9	3×11	35°	1	1	0.7	1431-48R3212-29/311-45-62
	48	1 7/8	2×9	5×11	35°	1	1	0.7	1431-48R3212-29/511-45-62
	55	2 1/8	1×12	3×14	35°	1	1	0.9	1431-55R3212-112/314-45-62
	55	2 1/8	2×10,1×10	4×12	35°	1	1	0.8	1434-55R3212-310/412-45-62
	55	2 1/8	2×10,1×10	4×10	35°	1	1	0.8	1434-55R3212-310/410-45-62
	55	2 1/8	3×9	6×10	35°	3	-	0.9	1431-55R3212-39/610-45-62
	60	2 3/8	2×12	3×14	40°	1	1	1.0	1431-60R3212-212/314-45-62
	60	2 3/8	2×11	5×12	40°	1	1	1.0	1431-60R3212-211/512-45-62
	60	2 3/8	2×10,1×10	4×12	40°	2	1	0.9	1434-60R3212-310/412-45-62
	60	2 3/8	3×10	6×11	40°	3	-	1.1	1431-60R3212-310/611-45-62
	65	2 1/2	2×13	3×14	40°	1	1	1.1	1431-65R3212-213/314-45-62
	65	2 1/2	3×12	3×14	40°	1	1	1.1	1431-65R3212-312/314-45-62
	65	2 1/2	2×12,1×12	4×12	40°	1	1	1.2	1434-65R3212-312/412-45-62
	65	2 1/2	2×12,1×10	4×14	35°	1	1	1.5	1434-65R3212-312/414-45-62
	65	2 1/2	3×12	6×12	35°	1	1	1.2	1431-65R3212-312/612-45-62
	65	2 1/2	3×12	6×12	35°	3	-	1.2	1431-65R3212-312/612-45-62
	70	2 3/4	3×12	3×14	35°	1	1	1.6	1431-70R3212-312/314-45-62
	70	2 3/4	3×12	6×12	35°	1	1	1.4	1431-70R3212-312/612-45-62
	70	2 3/4	3×12	6×12	35°	3	-	1.4	1431-70R3212-312/612-45-62
	75	3	5×10	6×12	35°	2	1	1.7	1431-75R3212-510/612-45-62
十字型钎头 Cross-type bits	55	2 1/8	16×10		-	1	2	0.8	1221-55R3212-16/10-42-23
	60	2 3/8	16×10		-	1	2	0.9	1221-60R3212-16/10-42-23
	65	2 1/2	16×10		-	1	2	1.0	1221-65R3212-16/10-42-23
	70	2 3/4	16×10		-	1	2	1.1	1221-70R3212-16/10-42-23
	75	3	18×13		-	1	2	1.3	1221-75R3212-18/13-42-23
	80	3 1/8	18×13		-	1	2	1.6	1221-80R3212-18/13-42-23

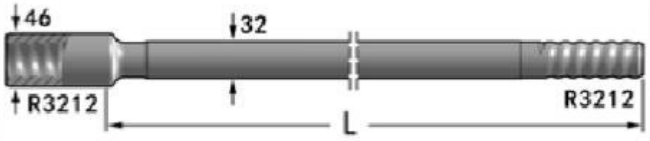
深孔螺纹钎具 Bench drilling

R3212

钎杆 Drill rod

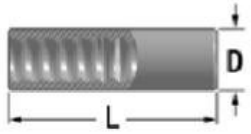
	长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
连接钎杆 Extension rod R3212-Round32-R3212 内孔 Flushing hole 9.2mm..	600	2'	32	1 1/4	3.53	23R32-R3212-0600-40
	800	2'7"	32	1 1/4	4.70	23R32-R3212-0800-40
	900	2'	32	1 1/4	5.30	23R32-R3212-0900-40
	1000	3'3"	32	1 1/4	5.90	23R32-R3212-1000-40
	1100	3'6"	32	1 1/4	6.52	23R32-R3212-1100-40
	1200	3'9"	32	1 1/4	7.10	23R32-R3212-1200-40
快接钎杆 MF-rod R3212-Round32-R3212 内孔 Flushing hole 9.2mm.	600	2'	32	1 1/4	4.45	24R32-R3212/46-0600-40
	800	2'7"	32	1 1/4	5.60	24R32-R3212/46-0800-40
	900	2'	32	1 1/4	6.17	24R32-R3212/46-0900-40
	1000	3'3"	32	1 1/4	6.80	24R32-R3212/46-1000-40
	1100	3'6"	32	1 1/4	7.40	24R32-R3212/46-1100-40
	1200	3'9"	32	1 1/4	7.90	24R32-R3212/46-1200-40





连接套 Coupling

	长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves	150	6 1/8	44	1 3/4	R3212	1.0	31-R3212-44-150-42
	160	6 1/4	44	1 3/4	R3212	1.1	31-R3212-44-160-42
	160	6 1/4	48	1 7/8	R3212	1.5	31-R3212-48-160-42

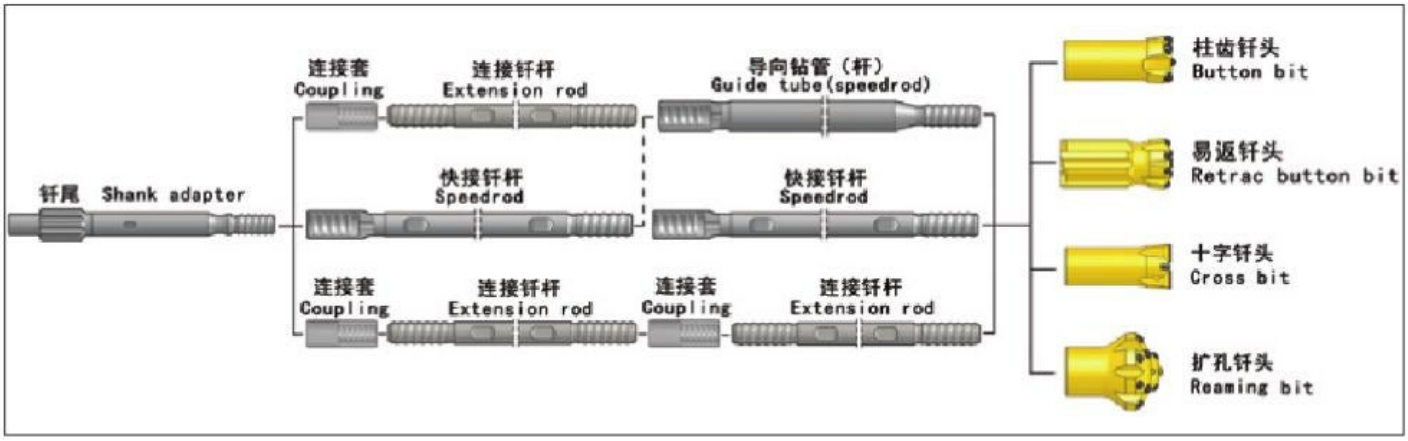


钎尾 Shank adaptors

	长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
适用90风动钻机 For 90 drills	330	1 1/12	56	2 1/4	R3212	2.3	4NJ90-38R3212-10330-42



深孔螺纹钎具 Bench drilling R32



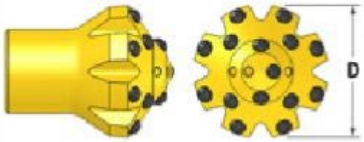
钎头 Drill bit

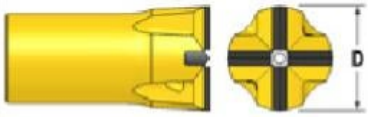
钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿形钎头 Button bit								
圆齿 Spherical buttons								
48	1 7/8	2×9	5×11	35°	1	2	1.0	1431-48R32-29/511-45-31
48	1 7/8	3×8	6×10	40°	3	-	0.9	1431-48R32-38/610-45-31
51	2	2×10	5×11	35°	1	2	1.0	1431-51R32-210/511-45-31
51	2	3×9	6×10	35°	3	-	1.0	1431-51R32-39/610-45-31
57	2 1/4	3×9	6×11	35°	3	-	1.3	1431-57R32-39/611-45-31
57	2 1/4	3×10	6×11	35°	3	-	1.3	1431-57R32-310/611-45-31
64	2 1/2	3×11	6×12	30°	3	-	1.6	1431-64R32-311/612-45-31
64	2 1/2	3×10,1×10	6×11	35°	3	-	1.6	1433-64R32-410/611-45-31
64	2 1/2	4×10	8×10	40°	2	-	1.6	1431-64R32-410/810-45-31
70	3	4×11	8×11	40°	2	-	2.6	1431-70R32-411/811-45-31
76	3	4×11,1×11	8×11	35°	2	-	2.6	1433-76R32-511/811-45-31
抛物线齿 Parabolic buttons								
48	1 7/8	3×8	6×10	40°	3	-	0.9	1431-48R32-38/610-45-51
51	2	3×9	6×10	40°	3	1	1.0	1431-51R32-39/610-45-51
54	2 1/8	3×9	6×10	40°	3	1	1.0	1431-54R32-39/610-45-51
57	2 1/4	3×9	6×11	35°	3	-	1.3	1431-57R32-39/611-45-51
57	2 1/4	3×10	6×11	35°	3	-	1.3	1431-57R32-310/611-45-51
64	2 1/2	4×10	8×10	40°	2	-	1.6	1431-64R32-410/810-45-51
柱齿易返钎头 Retrac button bit								
圆齿 Spherical buttons								
48	1 7/8	3×8	6×10	40°	3	-	1.2	1531-48R32-38/610-45-31
51	2	3×9	6×10	35°	3	-	1.4	1531-51R32-39/610-45-31
64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64R32-410/611-45-31
64	2 1/2	4×10	8×10	40°	2	-	2.2	1531-64R32-410/810-45-31
76	3	4×11,1×11	8×11	35°	4	1	3.5	1533-76R32-511/811-45-31
抛物线齿 Parabolic buttons								
48	1 7/8	3×9	6×10	30°	3	-	1.2	1531-48R32-39/610-45-51
51	2	3×9	6×10	30°	3	-	1.4	1531-51R32-39/610-45-51
64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64R32-410/611-45-51
64	2 1/2	4×10	8×10	40°	2	-	2.2	1531-64R32-410/810-45-51
76	3	4×11,1×11	8×11	35°	4	1	3.5	1533-76R32-511/811-45-51

深孔螺纹钎具 Bench drilling R32

钎头 Drill bit

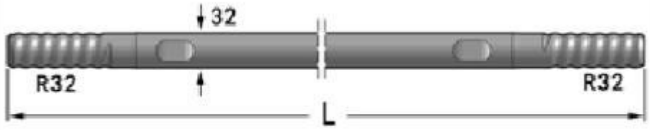
钎头直径 Diameter 毫米 mm	钎头直径 Diameter 英寸 inch	合金数量×直径 No×button diameter 芯齿 Front	合金数量×直径 No×button diameter 边齿 Gauge	合金数量×直径 No×button diameter 倾角 Angle	水孔数量 Flushing hole 正 Front	水孔数量 Flushing hole 侧 Side	重量 Weight approx kg	三山型号 SANSHAN P/N
柱齿扩孔钎头 Dome bit for reaming								
圆齿 Spherical buttons								
76	3	1×13	9×13	35°	3	1	2.0	1441-76R32-113/913-45-31
89	3 1/2	1×13	14×13	35°	2	2	2.6	1441-89R32-113/1413-45-31
102	4	1×13	16×13	35°	2	2	3.2	1441-102R32-113/1613-45-31
127	5	1×13	18×13	35°	3	1	4.8	1441-127R32-113/1813-45-31
抛物线齿 Parabolic buttons								
76	3	1×13	9×13	35°	3	1	2.0	1441-76R32-113/913-45-51
89	3 1/2	1×13	14×13	35°	2	2	2.6	1441-89R32-113/1413-45-51
102	4	1×13	16×13	35°	2	2	3.2	1441-102R32-113/1613-45-51
127	5	1×13	18×13	35°	3	1	4.8	1441-127R32-113/1813-45-51
十字型钎头 Cross-type bits								
45	1 3/4	16×10		-	1	4	0.9	1221-45R32-16/10-42-23
48	1 7/8	16×10		-	1	4	0.9	1221-48R32-16/10-42-23
51	2	16×10		-	1	4	1.2	1221-51R32-16/10-42-23
57	2 1/4	16×10		-	1	4	1.3	1221-57R32-16/10-42-23
64	2 1/2	18×13		-	1	4	1.5	1221-64R32-18/13-42-23

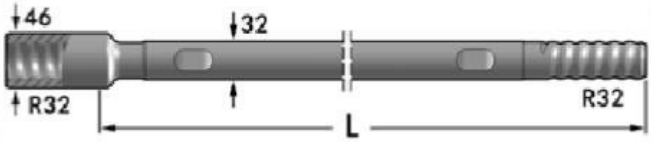


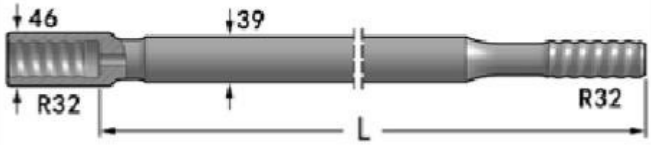


钎杆 Drill rod

长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
连接钎杆 Extension rod R32-Round32-R32 内孔 Flushing hole 9.2mm. 扳手槽 Wrench flat 25.4mm.					
915	3'	32	1 1/4	5.4	23R32-R32-0915-23
1000	3' 33/8"	32	1 1/4	5.9	23R32-R32-1000-23
1220	4'	32	1 1/4	7.2	23R32-R32-1220-23
1830	6'	32	1 1/4	10.8	23R32-R32-1830-23
2435	8'	32	1 1/4	14.3	23R32-R32-2435-23
3050	10'	32	1 1/4	17.9	23R32-R32-3050-23
3660	12'	32	1 1/4	21.5	23R32-R32-3660-23
快接钎杆 MF-rod R32-Round32-R32 内孔 Flushing hole 9.2mm. 扳手槽 Wrench flat 25.4mm.					
915	3'	32	1 1/4	6.2	24R32-R32/46-0915-23
1220	4'	32	1 1/4	8.0	24R32-R32/46-1220-23
1525	5'	32	1 1/4	9.8	24R32-R32/46-1525-23
1830	6'	32	1 1/4	11.6	24R32-R32/46-1830-23
2435	8'	32	1 1/4	15.1	24R32-R32/46-2435-23
3050	10'	32	1 1/4	18.7	24R32-R32/46-3050-23
3660	12'	32	1 1/4	22.3	24R32-R32/46-3660-23
导向快接钎杆 Guide speedrod R32-Round39-R32 内孔 Flushing hole 14.5mm.					
3050	10'	39	1 1/2	27.0	24R39-R32/46-3050-23
3660	12'	39	1 1/2	32.0	24R39-R32/46-3660-23





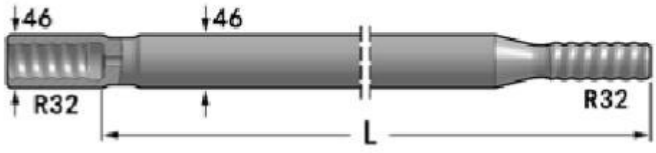


深孔螺纹钎具 Bench drilling R32

导向钻杆 Guide tube

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
1220	4'	46	1 3/4	10.0	24R46-R32/46-1220-23
1525	5'	46	1 3/4	12.5	24R46-R32/46-1525-23
1830	6'	46	1 3/4	14.2	24R46-R32/46-1830-23
3050	10'	46	1 3/4	25.0	24R46-R32/46-3050-23

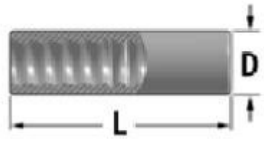
导向钻杆 Guide tube
D46适用51－64mm钎头
D46 for bits from 51-64mm



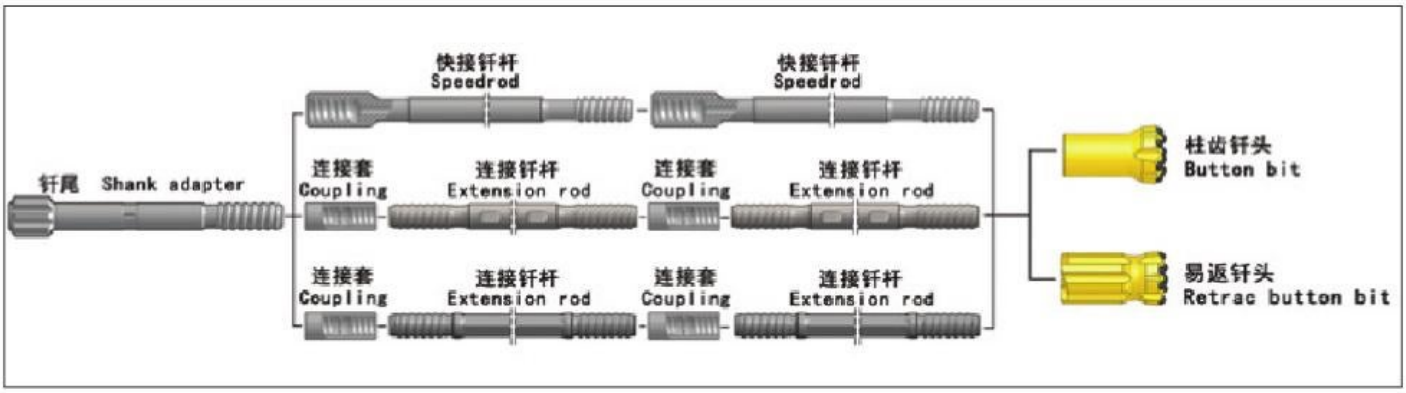
连接套 Coupling

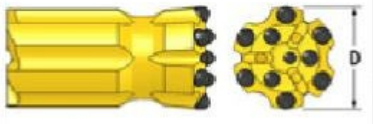
长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
150	6 1/8	44	1 3/4	R32	1.0	31-R32-44-150-23
160	6 1/4	44	1 3/4	R32	1.1	31-R32-44-160-23

同径连接套 Coupling sleeves



深孔螺纹钎具 Bench drilling HL38

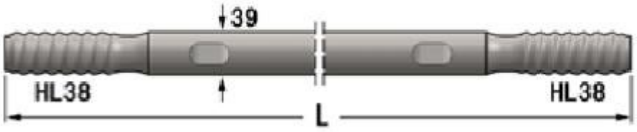
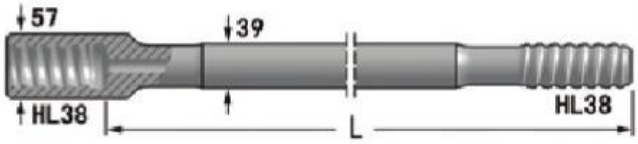
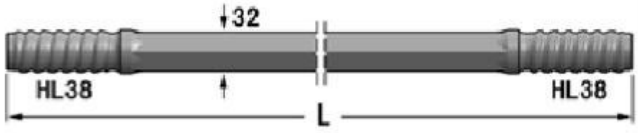


钎头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿形钎头 Button bit	圆齿 Spherical buttons								
	64	2 1/2	3×11	6×12	35°	3	-	1.8	1431-64HL38-311/612-45-31
	70	2 3/4	4×11	8×11	40°	2	-	1.9	1431-70HL38-411/811-45-31
	70	2 3/4	4×10,1×10	8×11	30°	4	-	1.9	1432-70HL38-510/811-45-31
	70	2 3/4	3×10,1×10	6×12	35°	3	-	1.8	1433-70HL38-410/612-45-31
	76	3	4×11	8×11	40°	2	-	2.4	1431-76HL38-411/811-45-31
	76	3	3×11,1×11	6×12	35°	3	1	2.6	1433-76HL38-411/612-45-31
	76	3	4×11,1×11	8×12	35°	4	-	2.6	1432-76HL38-511/812-45-31
	89	3 1/2	5×12	8×12	35°	2	-	3.3	1431-89HL38-512/812-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	3.3	1432-89HL38-513/813-45-31
	抛物线齿 Parabolic buttons								
	64	2 1/2	3×11	6×12	35°	3	-	1.8	1431-64HL38-311/612-45-51
	70	2 3/4	4×11	8×11	40°	2	-	1.9	1431-70HL38-411/811-45-51
	70	2 3/4	4×10,1×10	8×11	30°	4	-	1.9	1432-70HL38-510/811-45-51
	76	3	4×11	8×11	40°	2	-	2.4	1431-76HL38-411/811-45-51
	76	3	3×11,1×11	6×13	35°	3	1	2.6	1433-76HL38-411/613-45-51
	76	3	4×11,1×11	8×12	35°	4	-	2.6	1432-76HL38-511/812-45-51
	89	3 1/2	5×12	8×12	35°	2	-	3.3	1433-89HL38-512/812-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	3.3	1432-89HL38-513/813-45-51
柱齿易返钎头 Retrac button bit	圆齿 Spherical buttons								
	64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64HL38-410/611-45-31
	70	2 3/4	4×10,1×10	8×11	35°	4	-	2.4	1532-70HL38-510/811-45-31
	76	3	4×11,1×11	8×11	40°	4	-	3.3	1532-76HL38-511/811-45-31
	76	3	4×11,1×11	8×12	35°	4	-	3.3	1532-76HL38-511/812-45-31
	89	3 1/2	5×12	8×12	35°	2	-	4.8	1531-89HL38-512/812-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	4.8	1532-89HL38-513/813-45-31
	抛物线齿 Parabolic buttons								
	64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64HL38-410/611-45-51
	70	2 3/4	4×10,1×10	8×11	35°	4	-	2.4	1532-70HL38-510/811-45-51
	76	3	4×11,1×11	8×11	40°	4	-	3.3	1532-76HL38-511/811-45-51
	76	3	4×11,1×11	8×12	35°	4	-	3.3	1532-76HL38-511/812-45-51
	89	3 1/2	5×12	8×12	35°	2	-	4.8	1531-89HL38-512/812-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	4.8	1532-89HL38-513/813-45-51

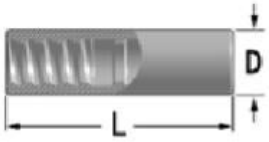
深孔螺纹钎具 Bench drilling

HL38

钎杆 Drill rod

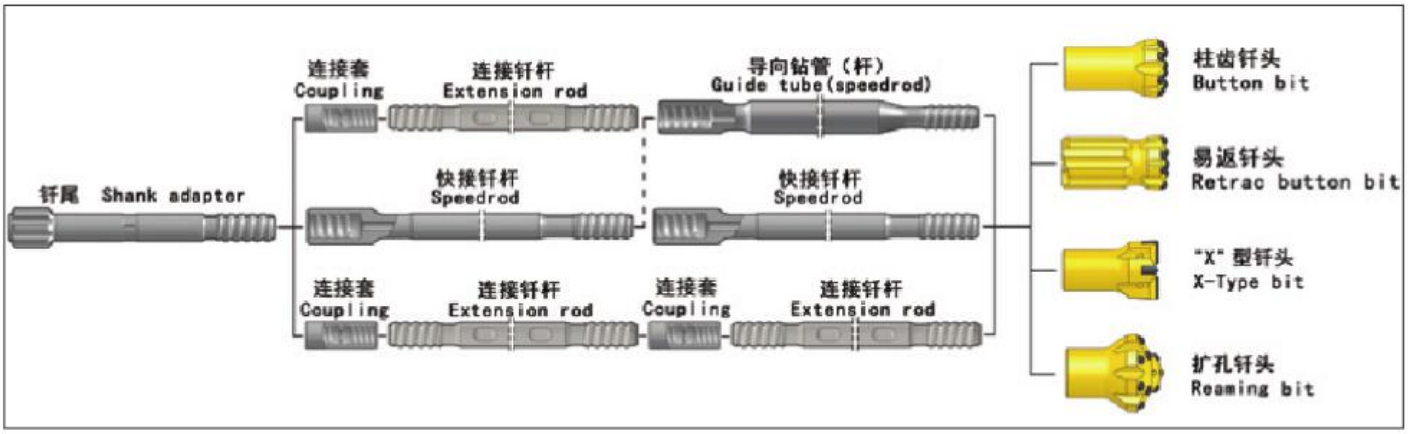
长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
连接钎杆 Extension rod HL38-Round39-HL38 内孔 Flushing hole 14.5mm. 扳手槽 Wrench flat 32mm. 					
1220	4'	39	1 1/2	10.2	23R39-HL38-1220-23
1525	5'	39	1 1/2	12.8	23R39-HL38-1525-23
1830	6'	39	1 1/2	15.3	23R39-HL38-1830-23
2435	8'	39	1 1/2	20.4	23R39-HL38-2435-23
3050	10'	39	1 1/2	25.5	23R39-HL38-3050-23
3660	12'	39	1 1/2	30.9	23R39-HL38-3660-23
3965	13'	39	1 1/2	33.2	23R39-HL38-3965-23
4270	14'	39	1 1/2	35.7	23R39-HL38-4270-23
4880	16'	39	1 1/2	41.0	23R39-HL38-4880-23
5530	18' 11/2"	39	1 1/2	46.3	23R39-HL38-5530-23
6095	20'	39	1 1/2	50.9	23R39-HL38-6095-23
快接钎杆 MF-rod HL38-Round39-HL38 内孔 Flushing hole 14.5mm. 					
915	3'	39	1 1/2	10.7	24R39-HL38/57-0915-23
1220	4'	39	1 1/2	13.3	24R39-HL38/57-1220-23
1525	5'	39	1 1/2	15.8	24R39-HL38/57-1525-23
1830	6'	39	1 1/2	18.3	24R39-HL38/57-1830-23
3050	10'	39	1 1/2	28.5	24R39-HL38/57-3050-23
3660	12'	39	1 1/2	33.6	24R39-HL38/57-3660-23
4270	14'	39	1 1/2	38.7	24R39-HL38/57-4270-23
4880	16'	39	1 1/2	43.7	24R39-HL38/57-4880-23
5530	18' 11/2"	39	1 1/2	49.2	24R39-HL38/57-5530-23
6095	20'	39	1 1/2	53.9	24R39-HL38/57-6095-23
六方连接杆 Hex. extension rod HL38-Hex32-HL38 内孔 Flushing hole 9.6mm. 					
1220	4'	32	1 1/4	8.6	23H32-HL38-1220-23
1830	6'	32	1 1/4	12.6	23H32-HL38-1830-23
2435	8'	32	1 1/4	16.6	23H32-HL38-2435-23
3050	10'	32	1 1/4	20.8	23H32-HL38-3050-23
3660	12'	32	1 1/4	24.9	23H32-HL38-3660-23

连接套 Coupling

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves 						
170	6 3/4	55	2 5/32	HL38	1.9	31-HL38-55-170-23
190	7 1/2	55	2 5/32	HL38	2.1	31-HL38-55-190-23

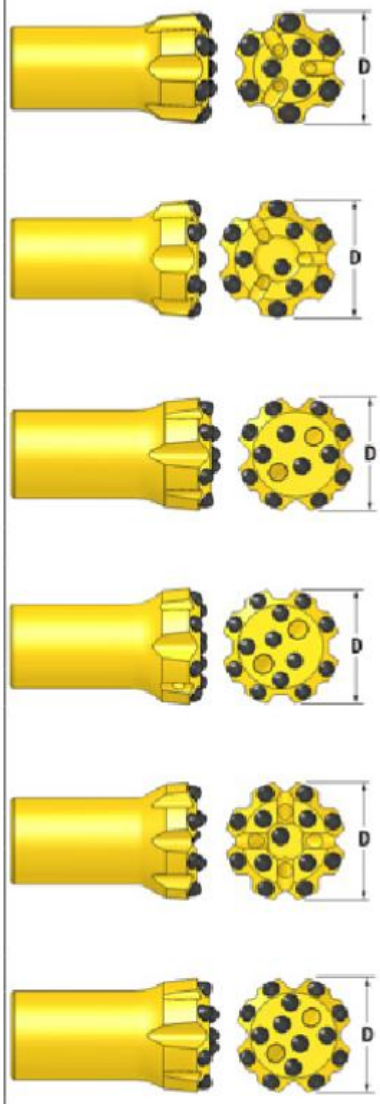
深孔螺纹钎具 Bench drilling

T38



钎头 Drill bit

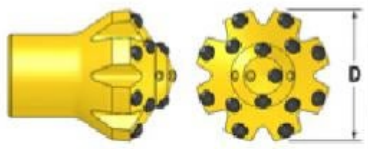
柱齿形钎头
Button bit



钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side	kg	
圆齿 Spherical buttons								
64	2 1/2	3×11	6×12	35°	3	-	1.8	1431-64T38-311/612-45-31
64	2 1/2	4×10	8×10	40°	2	-	1.6	1431-64T38-410/810-45-31
64	2 1/2	3×10,1×10	6×11	35°	3	-	1.7	1433-64T38-410/611-45-31
70	2 3/4	4×11	8×11	40°	2	-	1.9	1431-70T38-411/811-45-31
70	2 3/4	4×10,1×10	8×11	30°	4	-	1.9	1432-70T38-510/811-45-31
70	2 3/4	3×10,1×10	6×12	35°	3	-	1.8	1433-70T38-410/612-45-31
76	3	4×11	8×11	40°	2	-	2.4	1431-76T38-411/811-45-31
76	3	5×11	8×13	35°	2	1	2.4	1431-76T38-511/813-45-31
76	3	3×11,1×11	6×12	35°	3	1	2.6	1433-76T38-411/612-45-31
76	3	4×11,1×11	8×12	35°	4	-	2.6	1432-76T38-511/812-45-31
76	3	4×11,1×11	8×11	40°	4	-	2.6	1432-76T38-511/811-45-31
89	3 1/2	4×13	8×13	40°	2	-	3.3	1431-89T38-413/813-45-31
89	3 1/2	5×13	8×13	35°	2	-	3.3	1431-89T38-513/813-45-31
89	3 1/2	6×11	8×12	35°	2	-	3.3	1431-89T38-611/812-45-31
89	3 1/2	3×11,2×11	6×13	35°	3	1	3.3	1433-89T38-511/613-45-31
89	3 1/2	4×11,1×11	8×13	35°	4	-	3.3	1433-89T38-511/813-45-31
89	3 1/2	4×13,1×13	8×13	35°	4	-	3.3	1432-89T38-513/813-45-31
抛物线齿 Parabolic buttons								
64	2 1/2	3×11	6×12	35°	3	-	1.8	1431-64T38-311/612-45-51
64	2 1/2	4×10	8×10	40°	2	-	1.6	1431-64T38-410/810-45-51
64	2 1/2	3×10,1×10	6×11	35°	3	-	1.7	1433-64T38-410/611-45-51
70	2 3/4	4×11	8×11	40°	2	-	1.9	1431-70T38-411/811-45-51
70	2 3/4	3×10,1×10	6×12	35°	3	-	1.8	1433-70T38-410/612-45-51
76	3	4×11	8×11	40°	2	-	2.4	1431-76T38-411/811-45-51
76	3	5×11	8×13	35°	2	1	2.4	1431-76T38-511/813-45-51
76	3	3×11,1×11	6×13	35°	3	1	2.6	1433-76T38-411/613-45-51
76	3	4×11,1×11	8×12	35°	4	-	2.6	1432-76T38-511/812-45-51
76	3	4×11,1×11	8×11	40°	4	-	2.6	1432-76T38-511/811-45-51
89	3 1/2	5×13	8×13	35°	2	-	3.3	1431-89T38-513/813-45-51
89	3 1/2	6×11	8×12	35°	2	-	3.3	1431-89T38-611/812-45-51
89	3 1/2	3×11,2×11	6×13	35°	3	1	3.3	1433-89T38-511/613-45-51
89	3 1/2	4×11,1×11	8×13	35°	4	-	3.3	1433-89T38-511/813-45-51
89	3 1/2	4×13,1×13	8×13	35°	4	-	3.3	1432-89T38-513/813-45-51

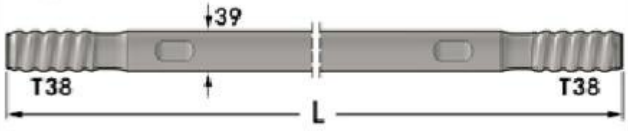
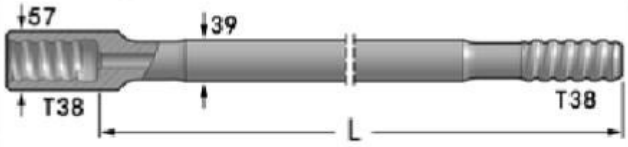
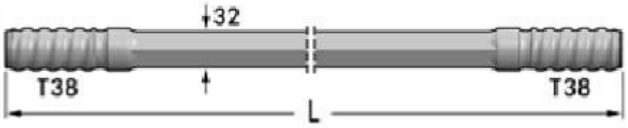
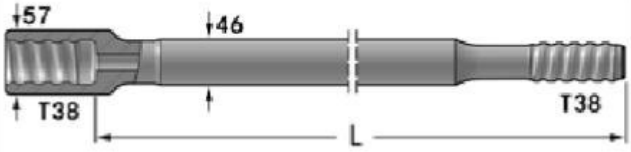
深孔螺纹钎具 Bench drilling

T38

钎头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿易返钎头 Retrac button bit 	圆齿 Spherical buttons								
	64	2 1/2	4×10	8×10	30°	2	-	2.2	1531-64T38-410/810-45-31
	64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64T38-410/611-45-31
	70	2 3/4	4×11	8×11	40°	2	-	2.4	1531-70T38-411/811-45-31
	70	2 3/4	3×10,1×10	6×13	35°	3	-	2.4	1533-70T38-410/613-45-31
	70	2 3/4	4×10,1×10	8×11	35°	4	-	2.4	1632-70T38-510/811-45-31
	76	3	4×11	8×11	40°	2	-	3.3	1531-76T38-411/811-45-31
	76	3	4×11,1×11	8×11	35°	4	-	3.3	1632-76T38-511/811-45-31
	76	3	4×11,1×11	8×12	35°	4	-	3.3	1632-76T38-511/812-45-31
	89	3 1/2	4×13	8×13	40°	2	-	4.8	1531-89T38-413/813-45-31
	89	3 1/2	5×13	8×13	35°	2	-	4.8	1531-89T38-513/813-45-31
	89	3 1/2	6×11	8×12	35°	2	-	4.8	1531-89T38-611/812-45-31
	89	3 1/2	4×11,1×11	8×13	35°	4	-	4.8	1533-89T38-511/813-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	4.8	1632-89T38-513/813-45-31
	抛物线齿 Parabolic buttons								
	64	2 1/2	4×10	8×10	30°	2	-	2.2	1531-64T38-410/810-45-51
	64	2 1/2	3×10,1×10	6×11	35°	3	-	2.2	1533-64T38-410/611-45-51
	70	2 3/4	4×11	8×11	40°	2	-	2.4	1531-70T38-411/811-45-51
	70	2 3/4	3×10,1×10	6×13	35°	3	-	2.4	1533-70T38-410/613-45-51
	70	2 3/4	4×10,1×10	8×11	35°	4	-	2.4	1632-70T38-510/811-45-51
	76	3	4×11	8×11	40°	2	-	3.3	1531-76T38-411/811-45-51
	76	3	4×11,1×11	8×11	35°	4	-	3.3	1632-76T38-511/811-45-51
	76	3	4×11,1×11	8×12	35°	4	-	3.3	1632-76T38-511/812-45-51
	89	3 1/2	4×13	8×13	40°	2	-	4.8	1531-89T38-413/813-45-51
	89	3 1/2	5×13	8×13	35°	2	-	4.8	1531-89T38-513/813-45-51
	89	3 1/2	6×11	8×12	35°	2	-	4.8	1531-89T38-611/812-45-51
	89	3 1/2	4×11,1×11	8×13	35°	4	-	4.8	1533-89T38-611/813-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	4.8	1632-89T38-513/813-45-51
X型钎头 X-type bit 	64	2 1/2	25×13		-	1	2	1.9	1321-64T38-25/13-42-23
	76	3	25×13		-	1	2	2.5	1321-76T38-25/13-42-23
	89	3 1/2	25×13		-	1	2	2.8	1321-89T38-25/13-42-23
柱齿扩孔钎头 Dome bit for reaming 	圆齿 Spherical buttons								
	102	4	1×13	16×13	35°	2	2	3.8	1441-102T38-113/1613-45-31
	127	5	1×13	18×13	35°	1	3	5.2	1441-127T38-113/1813-45-31
	抛物线齿 Parabolic buttons								
	102	4	1×13	16×13	35°	2	2	3.8	1441-102T38-113/1613-45-51
	127	5	1×13	18×13	35°	1	3	5.2	1441-127T38-113/1813-45-51

深孔螺纹钎具 Bench drilling

T38

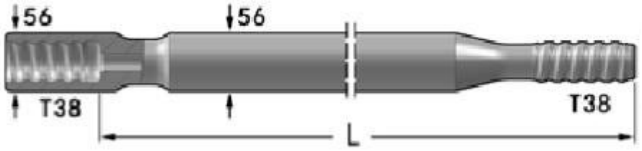
钎杆 Drill rod	长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
连接钎杆 Extension rod T38-Round39-T38 内孔 Flushing hole 14.5mm. 扳手槽 Wrench flat 32mm. 	1220	4'	39	1 1/2	10.2	23R39-T38-1220-23
	1525	5'	39	1 1/2	12.8	23R39-T38-1525-23
	1830	6'	39	1 1/2	15.3	23R39-T38-1830-23
	2435	8'	39	1 1/2	20.4	23R39-T38-2435-23
	3050	10'	39	1 1/2	25.5	23R39-T38-3050-23
	3660	12'	39	1 1/2	30.9	23R39-T38-3660-23
	3965	13'	39	1 1/2	33.2	23R39-T38-3965-23
	4270	14'	39	1 1/2	35.7	23R39-T38-4270-23
	4880	16'	39	1 1/2	41.0	23R39-T38-4880-23
	5530	18' 11/2"	39	1 1/2	46.3	23R39-T38-5530-23
	6095	20'	39	1 1/2	50.9	23R39-T38-6095-23
快接钎杆 MF-rod T38-Round39-T38 内孔 Flushing hole 14.5mm. 	915	3'	39	1 1/2	10.7	24R39-T38/57-0915-23
	1220	4'	39	1 1/2	13.3	24R39-T38/57-1220-23
	1525	5'	39	1 1/2	15.8	24R39-T38/57-1525-23
	1830	6'	39	1 1/2	18.3	24R39-T38/57-1830-23
	3050	10'	39	1 1/2	28.5	24R39-T38/57-3050-23
	3660	12'	39	1 1/2	33.6	24R39-T38/57-3660-23
	4270	14'	39	1 1/2	38.7	24R39-T38/57-4270-23
	4880	16'	39	1 1/2	43.7	24R39-T38/57-4880-23
	5530	18' 11/2"	39	1 1/2	49.2	24R39-T38/57-5530-23
	6095	20'	39	1 1/2	53.9	24R39-T38/57-6095-23
六方连接杆 Hex. extension rod T38-Hex32-T38 内孔 Flushing hole 9.6mm. 	1220	4'	32	1 1/4	8.6	23H32-T38-1220-23
	1830	6'	32	1 1/4	12.6	23H32-T38-1830-23
	2435	8'	32	1 1/4	16.6	23H32-T38-2435-23
	3050	10'	32	1 1/4	20.8	23H32-T38-3050-23
	3660	12'	32	1 1/4	24.9	23H32-T38-3660-23
双头螺纹钎杆 Double thread rod T38-Round39-T38 内孔 Flushing hole 14.5mm. 扳手槽 Wrench flat 32mm. 	3050	10'	46	1 3/4	25.7	23R39-T38/2T38-3050-23
	3660	12'	46	1 3/4	30.9	23R39-T38/2T38-3660-23
导向快接钎杆 Guide speedrod T38-Round46-T38 内孔 Flushing hole 17mm. 	1830	6'	46	1 3/4	23.5	24R46-T38/57-1830-23
	3050	10'	46	1 3/4	37.2	24R46-T38/57-3050-23
	3660	12'	46	1 3/4	44.0	24R46-T38/57-3660-23
	4270	14'	46	1 3/4	50.9	24R46-T38/57-4270-23
	4880	16'	46	1 3/4	57.7	24R46-T38/57-4880-23
	5530	18' 11/2"	46	1 3/4	65.0	24R46-T38/57-5530-23
	6095	20'	46	1 3/4	71.3	24R46-T38/57-6095-23

深孔螺纹钎具 Bench drilling T38

导向钻杆 Guide tube

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
1220	4'	56	2 1/8	12.6	24G56-T38/56-1220-23
1525	5'	56	2 1/8	14	24G56-T38/56-1525-23
1830	6'	56	2 1/8	17.4	24G56-T38/56-1830-23
3050	10'	56	2 1/8	28.3	24G56-T38/56-3050-23
3660	12'	56	2 1/8	32.8	24G56-T38/56-3660-23
4920	16'2"	56	2 1/8	47.9	24G56-T38/56-4920-23
3660	12'	64	2 1/2	51	24G64-T38/64-3660-23

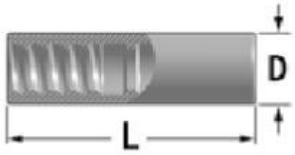
导向钻杆 Guide tube
D56适用64－76mm钎头，D64适用76－89mm钎头
D56 for bits from 64-76mm and D64 for bits from 76-89mm



连接套 Coupling

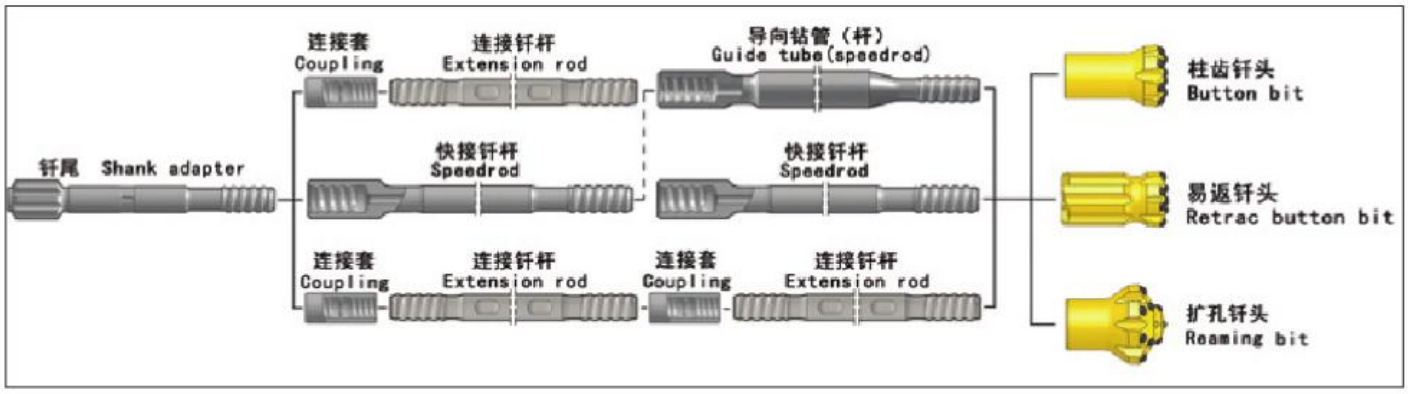
长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
190	7 1/2	55	2 5/32	T38	2.1	31-T38-55-190-23

同径连接套 Coupling sleeves



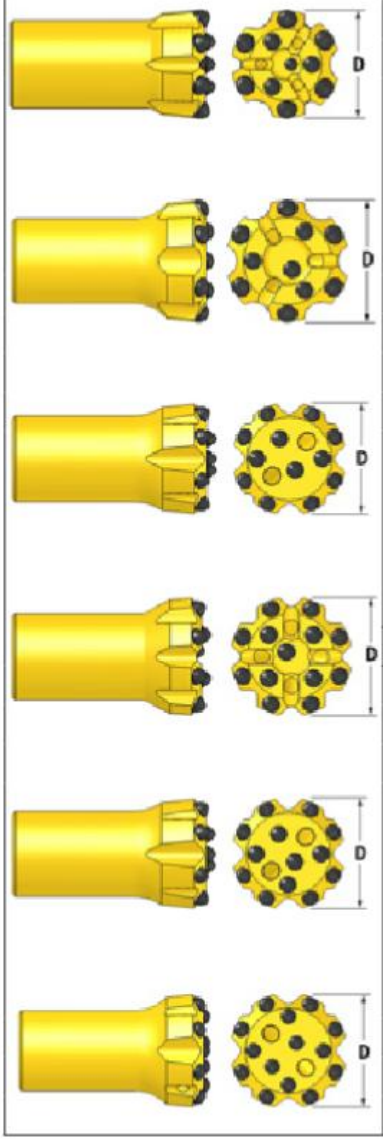
深孔螺纹钎具 Bench drilling

T45



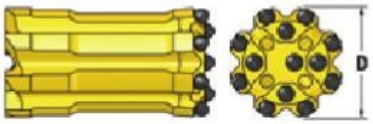
钎头 Drill bit

柱齿形钎头
Button bit



钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
圆齿 Spherical buttons								
70	2 3/4	4×11	8×11	40°	2	-	2.3	1431-70T45-411/811-45-31
70	2 3/4	3×11,1×9	6×11	35°	3	-	2.2	1433-70T45-411/611-45-31
70	2 3/4	4×10,1×10	8×11	35°	4	-	2.2	1432-70T45-510/811-45-31
76	3	4×11	8×11	40°	2	-	2.6	1431-76T45-411/811-45-31
76	3	5×11	8×12	35°	2	1	2.6	1431-76T45-511/812-45-31
76	3	3×11,1×11	6×13	35°	3	-	2.4	1433-76T45-411/613-45-31
76	3	4×11,1×11	8×12	35°	4	-	2.6	1432-76T45-511/812-45-31
89	3 1/2	4×13	8×13	40°	2	-	4.6	1431-89T45-413/813-45-31
89	3 1/2	6×11	8×12	35°	2	-	4.6	1431-89T45-611/812-45-31
89	3 1/2	3×11,2×11	6×13	35°	3	1	4.1	1433-89T45-511/613-45-31
89	3 1/2	4×11,1×11	8×12	35°	4	-	4.6	1433-89T45-511/812-45-31
89	3 1/2	4×13,1×13	8×13	35°	4	-	4.6	1432-89T45-513/813-45-31
102	4	5×14	8×14	40°	2	-	5.0	1431-102T45-514/814-45-31
102	4	6×13	8×16	40°	2	1	5.0	1431-102T45-613/816-45-31
102	4	3×13,2×13	6×14	35°	3	1	4.5	1433-102T45-513/614-45-31
102	4	4×13,1×13	8×14	35°	4	-	4.5	1433-102T45-513/814-45-31
102	4	4×13,2×13	8×13	35°	4	1	4.5	1433-102T45-613/813-45-31
抛物线齿 Parabolic buttons								
70	2 3/4	3×11,1×9	6×11	35°	3	-	2.2	1433-70T45-411/611-45-51
70	2 3/4	4×10,1×10	8×11	35°	4	-	2.2	1432-70T45-510/811-45-51
76	3	4×11	8×11	40°	2	-	2.6	1431-76T45-411/811-45-51
76	3	5×11	8×12	35°	2	1	2.6	1431-76T45-511/812-45-51
76	3	3×11,1×11	6×13	35°	3	1	2.4	1433-76T45-411/613-45-51
76	3	4×11,1×11	8×11	35°	4	-	2.6	1432-76T45-511/811-45-51
76	3	4×11,1×11	8×12	35°	4	-	2.6	1432-76T45-511/812-45-51
89	3 1/2	4×13	8×13	40°	2	-	4.6	1431-89T45-413/813-45-51
89	3 1/2	6×11	8×12	35°	2	-	4.6	1431-89T45-611/812-45-51
89	3 1/2	3×11,2×11	6×13	35°	3	1	4.1	1433-89T45-511/613-45-51
89	3 1/2	4×11,1×11	8×12	35°	4	-	4.6	1433-89T45-511/812-45-51
89	3 1/2	4×13,1×13	8×13	35°	4	-	4.6	1432-89T45-513/813-45-51

深孔螺纹钎具 Bench drilling T45

钎头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿易返钎头 Retrac button bit	圆齿 Spherical buttons								
	70	2 3/4	4×11	8×11	40°	2	-	2.5	1531-70T45-411/811-45-31
	70	2 3/4	3×11,1×9	6×11	35°	3	-	2.5	1533-70T45-411/611-45-31
	70	2 3/4	4×10,1×10	8×11	35°	4	-	2.5	1632-70T45-510/811-45-31
	76	3	4×11	8×11	40°	2	-	3.2	1531-76T45-411/811-45-31
	76	3	5×11	8×12	35°	2	1	3.2	1531-76T45-511/812-45-31
	76	3	3×11,1×11	6×13	35°	3	-	3.2	1533-76T45-411/613-45-31
	76	3	4×11,1×11	8×11	35°	4	-	3.2	1632-76T45-511/811-45-31
	76	3	4×11,1×11	8×12	35°	4	-	3.2	1632-76T45-511/812-45-31
	89	3 1/2	4×13	8×13	40°	2	-	5.4	1531-89T45-413/813-45-31
	89	3 1/2	6×11	8×12	35°	2	-	5.4	1531-89T45-611/812-45-31
	89	3 1/2	3×11,2×11	6×13	35°	3	1	5.4	1533-89T45-511/613-45-31
	89	3 1/2	4×11,1×11	8×12	35°	4	-	5.4	1533-89T45-511/812-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	5.4	1632-89T45-513/813-45-31
	102	4	5×14	8×14	40°	2	-	6.8	1531-102T45-514/814-45-31
	102	4	6×13	8×16	40°	2	1	6.8	1531-102T45-613/816-45-31
	102	4	3×13,2×13	6×14	35°	3	1	6.8	1533-102T45-513/614-45-31
	102	4	4×13,1×13	8×14	35°	4	-	6.8	1533-102T45-513/814-45-31
	102	4	4×13,2×13	8×13	35°	4	1	6.8	1533-102T45-613/813-45-31
	抛物线齿 Parabolic buttons								
	70	2 3/4	3×11,1×9	6×11	35°	3	-	2.5	1533-70T45-411/611-45-51
	70	2 3/4	4×10,1×10	8×11	35°	4	-	2.5	1632-70T45-510/811-45-51
	76	3	4×11	8×11	40°	2	-	3.2	1531-76T45-411/811-45-51
	76	3	5×11	8×12	35°	2	1	3.2	1531-76T45-511/812-45-51
	76	3	3×11,1×11	6×13	35°	3	1	3.2	1533-76T45-411/613-45-51
	76	3	4×11,1×11	8×11	35°	4	-	3.2	1632-76T45-511/811-45-51
	76	3	4×11,1×11	8×12	35°	4	-	3.2	1632-76T45-511/812-45-51
	89	3 1/2	4×13	8×13	40°	2	-	5.4	1531-89T45-413/813-45-51
	89	3 1/2	6×11	8×12	35°	2	-	5.4	1531-89T45-611/812-45-51
	89	3 1/2	3×11,2×11	6×13	35°	3	1	5.4	1533-89T45-511/613-45-51
	89	3 1/2	4×11,1×11	8×12	35°	4	-	5.4	1533-89T45-511/812-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	5.4	1632-89T45-513/813-45-51
	圆齿 Spherical buttons								
	127	5	1×13	18×13	35°	3	1	6.0	1441-127T45-113/1813-45-31
	152	6	2×14	18×14	35°	3	1	10.6	1441-152T45-214/1814-45-31
	抛物线齿 Parabolic buttons								
	127	5	1×13	18×13	35°	3	1	6.0	1441-127T45-113/1813-45-51
	152	6	2×14	18×14	35°	3	1	10.6	1441-152T45-214/1814-45-51

深孔螺纹钎具 Bench drilling

T45

钎杆 Drill rod

长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
连接钎杆 Extension rod T45-Round46-T45 内孔 Flushing hole 17mm. 扳手槽 Wrench flat 38mm.					
1830	6'	46	1 3/4	21.6	23R46-T45-1830-23
2435	8'	46	1 3/4	28.3	23R46-T45-2435-23
3050	10'	46	1 3/4	35.2	23R46-T45-3050-23
3660	12'	46	1 3/4	42.1	23R46-T45-3660-23
4270	14'	46	1 3/4	48.9	23R46-T45-4270-23
5530	18'	46	1 3/4	63.0	23R46-T45-5530-23
6095	20'	46	1 3/4	69.3	23R46-T45-6095-23
快接钎杆 MF-rod T45-Round46-T45 内孔 Flushing hole 17mm.					
1525	5'	46	1 3/4	21.2	24R46-T45/65-1525-23
1830	6'	46	1 3/4	24.6	24R46-T45/65-1830-23
3050	10'	46	1 3/4	38.2	24R46-T45/65-3050-23
3660	12'	46	1 3/4	45.0	24R46-T45/65-3660-23
4270	14'	46	1 3/4	51.9	24R46-T45/65-4270-23
5530	18'	46	1 3/4	66.0	24R46-T45/65-5530-23
6095	20'	46	1 3/4	72.3	24R46-T45/65-6095-23
导向快接钎杆 Guide speedrod T45-Round52-T45 内孔 Flushing hole 21.5mm.					
3050	10'	52	2	46.6	24R52-T45/65-3050-23
3660	12'	52	2	55.8	24R52-T45/65-3660-23
4270	14'	52	2	63.8	24R52-T45/65-4270-23
5530	18'	52	2	81.5	24R52-T45/65-5530-23
6095	20'	52	2	89.4	24R52-T45/65-6095-23

导向钻杆 Guide tube

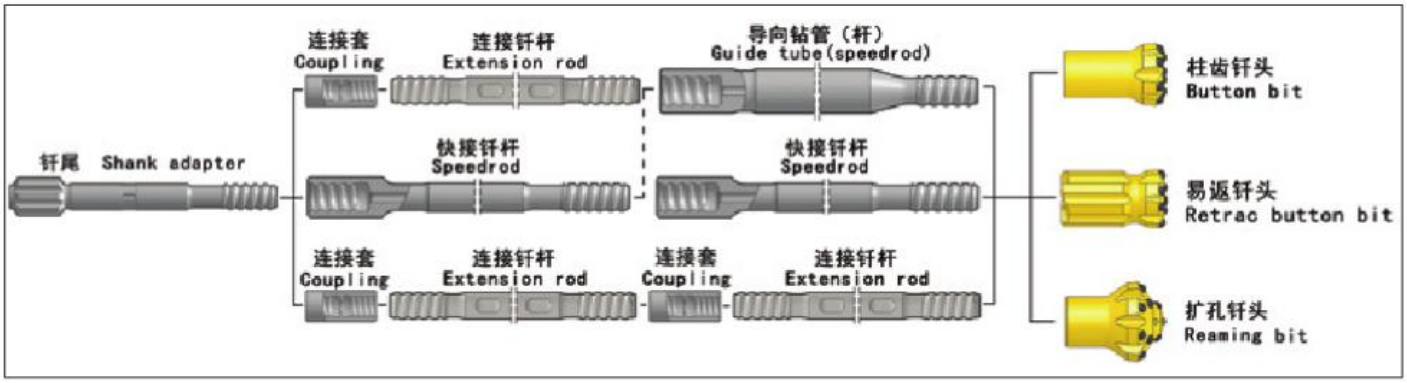
长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
导向钻杆 Guide tube D64适用76－89mm钎头，D76适用89－102mm钎头 D64 for bits from 76-89mm and D76 for bits from 89-102mm					
1220	4'	64	2 1/8	12.6	24G64-T45/64-1220-23
1525	5'	64	2 1/8	14.0	24G64-T45/64-1525-23
1830	6'	64	2 1/8	17.4	24G64-T45/64-1830-23
3050	10'	64	2 1/8	28.3	24G64-T45/64-3050-23
3660	12'	64	2 1/8	32.8	24G64-T45/64-3660-23
1830	6'	76	3	40.0	24G76-T45/76-1830-23
3660	12'	76	3	77.8	24G76-T45/76-3660-23

连接套 Coupling

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves						
210	8 1/4	63	2 33/64	T45	3.0	31-T45-63-210-23
210	8 1/4	66	2 37/64	T45	3.3	31-T45-66-210-23

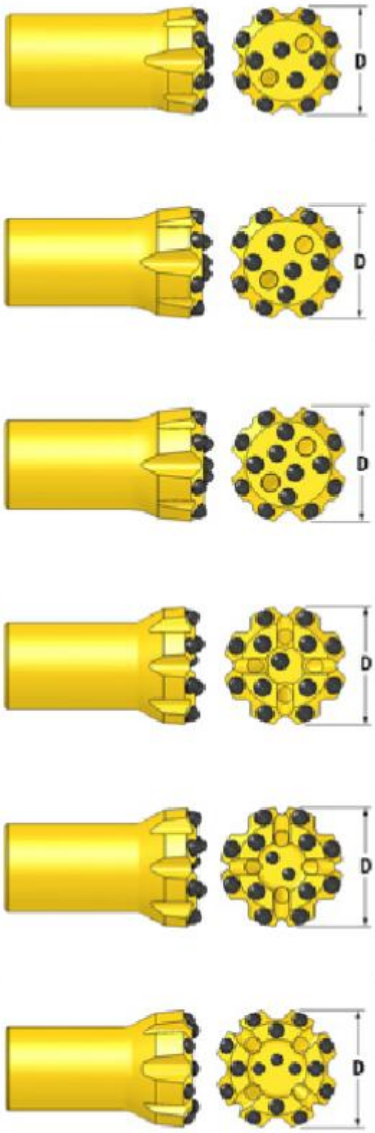
深孔螺纹钎具 Bench drilling

T51



钻头 Drill bit

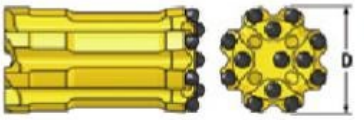
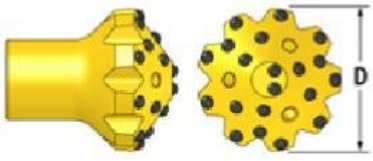
柱齿形钎头
Button bit



钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
圆齿 Spherical buttons								
89	3 1/2	4×13	8×13	40°	2	-	4.9	1431-89T51-413/813-45-31
89	3 1/2	5×13	8×13	35°	2	1	4.9	1431-89T51-513/813-45-31
89	3 1/2	3×11,2×11	6×13	35°	4	-	4.9	1433-89T51-511/613-45-31
89	3 1/2	4×11,1×11	8×13	35°	4	-	4.9	1433-89T51-511/813-45-31
89	3 1/2	4×13,1×13	8×13	35°	4	-	4.9	1432-89T51-513/813-45-31
102	4	4×14	8×14	40°	2	-	5.8	1431-102T51-414/814-45-31
102	4	6×13	8×16	35°	2	1	5.8	1431-102T51-613/816-45-31
102	4	3×13,2×13	6×14	35°	3	1	5.2	1433-102T51-513/614-45-31
102	4	4×13,1×13	8×14	35°	4	-	5.8	1433-102T51-513/814-45-31
102	4	4×13,2×13	8×13	35°	4	1	5.8	1433-102T51-613/813-45-31
115	4 1/2	6×14	8×14	35°	2	-	6.8	1431-115T51-614/814-45-31
115	4 1/2	6×14	8×16	35°	2	-	6.8	1431-115T51-614/816-45-31
115	4 1/2	4×13,2×13	8×14	35°	4	-	6.8	1433-115T51-613/814-45-31
115	4 1/2	4×13,3×13	8×14	35°	4	-	6.8	1433-115T51-713/814-45-31
115	4 1/2	4×14,2×14	8×16	35°	4	-	6.8	1433-115T51-614/816-45-31
127	5	8×14	8×16	35°	2	1	7.5	1431-127T51-814/816-45-31
127	5	4×16,2×13	8×16	35°	4	-	7.5	1433-127T51-616/816-45-31
127	5	4×14,3×14	8×14	35°	4	-	7.5	1433-127T51-714/814-45-31
抛物线齿 Parabolic buttons								
89	3 1/2	5×13	8×13	35°	2	1	4.9	1431-89T51-513/813-45-51
89	3 1/2	3×11,2×11	6×13	35°	4	-	4.9	1433-89T51-511/613-45-51
89	3 1/2	4×11,1×11	8×13	35°	4	-	4.9	1433-89T51-511/813-45-51
89	3 1/2	4×13,1×13	8×13	35°	4	-	4.9	1432-89T51-513/813-45-51
102	4	4×14	8×14	40°	2	-	5.8	1431-102T51-414/814-45-51
102	4	6×13	8×16	35°	2	1	5.8	1431-102T51-613/816-45-51
102	4	3×13,2×13	6×14	35°	3	1	5.2	1433-102T51-513/614-45-51
102	4	4×13,1×13	8×14	35°	4	-	5.8	1433-102T51-513/814-45-51
102	4	4×13,2×13	8×13	35°	4	1	5.8	1433-102T51-613/813-45-51
115	4 1/2	6×14	8×16	35°	2	-	6.8	1431-115T51-614/816-45-51
115	4 1/2	4×13,2×13	8×14	35°	4	-	6.8	1433-115T51-613/814-45-51
115	4 1/2	4×13,3×13	8×14	35°	4	-	6.8	1433-115T51-713/814-45-51
115	4 1/2	4×14,2×14	8×16	35°	4	-	6.8	1433-115T51-614/816-45-51

深孔螺纹钎具 Bench drilling

T51

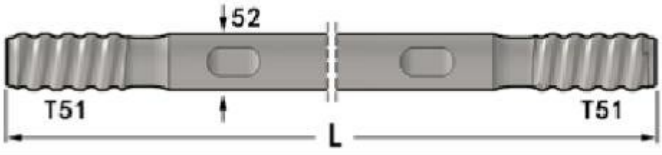
钻头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿易返钎头 Retrac button bit	圆齿 Spherical buttons								
	89	3 1/2	4×13	8×13	40°	2	-	5.3	1531-89T51-413/813-45-31
	89	3 1/2	5×13	8×13	35°	2	1	5.3	1531-89T51-513/813-45-31
	89	3 1/2	3×11,2×11	6×13	35°	4	-	5.3	1533-89T51-511/613-45-31
	89	3 1/2	4×11,1×11	8×13	35°	4	-	5.3	1533-89T51-511/813-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	5.3	1632-89T51-513/813-45-31
	102	4	4×14	8×14	40°	2	-	7.3	1531-102T51-414/814-45-31
	102	4	6×13	8×16	35°	2	1	7.3	1531-102T51-613/816-45-31
	102	4	4×13,1×13	8×14	35°	4	-	7.3	1533-102T51-513/814-45-31
	102	4	4×13,2×13	8×13	35°	4	1	7.3	1533-102T51-613/813-45-31
	102	4	4×13,1×13	8×14	35°	4	1	7.3	1533-102T51-513/814-45-31
	115	4 1/2	6×14	8×14	35°	2	-	9.8	1531-115T51-614/814-45-31
	115	4 1/2	6×14	8×16	35°	2	-	9.8	1531-115T51-614/816-45-31
	115	4 1/2	4×13,2×13	8×14	35°	4	-	9.8	1533-115T51-613/814-45-31
	115	4 1/2	4×13,3×13	8×14	35°	4	-	9.8	1533-115T51-713/814-45-31
	115	4 1/2	4×14,2×14	8×16	35°	4	-	9.8	1533-115T51-614/816-45-31
	127	5	8×14	8×16	35°	2	1	12.0	1531-127T51-814/816-45-31
	127	5	4×16,2×13	8×16	35°	4	-	12.0	1533-127T51-616/816-45-31
	127	5	4×14,3×14	8×14	35°	4	-	12.0	1533-127T51-714/814-45-31
	抛物线齿 Parabolic buttons								
	89	3 1/2	5×13	8×13	35°	2	1	5.3	1531-89T51-513/813-45-51
	89	3 1/2	3×11,2×11	6×13	35°	4	-	5.3	1533-89T51-511/613-45-51
	89	3 1/2	4×11,1×11	8×13	35°	4	-	5.3	1533-89T51-511/813-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	5.3	1632-89T51-513/813-45-51
	102	4	4×14	8×14	40°	2	-	7.3	1531-102T51-414/814-45-51
	102	4	6×13	8×16	35°	2	1	7.3	1531-102T51-613/816-45-51
	102	4	4×13,1×13	8×14	35°	4	-	7.3	1533-102T51-513/814-45-51
	102	4	4×13,2×13	8×13	35°	4	1	7.3	1533-102T51-613/813-45-51
	102	4	4×13,1×13	8×14	35°	4	1	7.3	1533-102T51-513/814-45-51
	115	4 1/2	6×14	8×16	35°	2	-	9.8	1531-115T51-614/816-45-51
	115	4 1/2	4×13,2×13	8×14	35°	4	-	9.8	1533-115T51-613/814-45-51
	115	4 1/2	4×13,3×13	8×14	35°	4	-	9.8	1533-115T51-713/814-45-51
	115	4 1/2	4×14,2×14	8×16	35°	4	-	9.8	1533-115T51-614/816-45-51
柱齿扩孔钎头 Dome bit for reaming	圆齿 Spherical buttons								
	152	6	2×14	18×14	35°	3	1	10.6	1441-152T51-214/1814-45-31
	抛物线齿 Parabolic buttons								
	152	6	2×14	18×14	35°	3	1	10.6	1441-152T51-214/1814-45-51

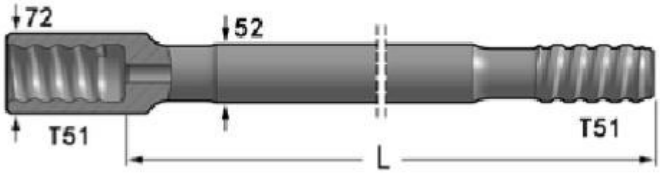
深孔螺纹钎具 Bench drilling

T51

钎杆 Drill rod

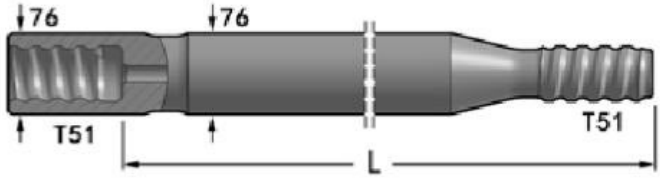
长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
连接钎杆 Extension rod T51-Round52-T51 内孔 Flushing hole 21.5mm. 扳手槽 Wrench flat 45mm.					
3050	10'	52	2	45.3	23R52-T51-3050-23
3660	12'	52	2	54.1	23R52-T51-3660-23
4270	14'	52	2	63.0	23R52-T51-4270-23
4880	16'	52	2	71.8	23R52-T51-4880-23
5530	18'	52	2	81.2	23R52-T51-5530-23
6095	20'	52	2	89.4	23R52-T51-6095-23
快接钎杆 MF-rod T51-Round52-T51 内孔 Flushing hole 21.5mm.					
1525	5'	52	2	26.2	24R52-T51/72-1525-23
1830	6'	52	2	30.6	24R52-T51/72-1830-23
3050	10'	52	2	48.3	24R52-T51/72-3050-23
3660	12'	52	2	57.1	24R52-T51/72-3660-23
4270	14'	52	2	66.0	24R52-T51/72-4270-23
4880	16'	52	2	74.8	24R52-T51/72-4880-23
5530	18'	52	2	84.2	24R52-T51/72-5530-23
6095	20'	52	2	92.4	24R52-T51/72-6095-23





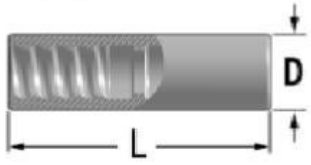
导向钻杆 Guide tube

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
导向钻杆 Guide tube D76适用89－102钎头，D87适用102－127钎头 D76 for bits from 89-102mm and D87 for bits from 102-127mm					
1830	6'	76	3	42.0	24G76-T51/76-1830-23
3660	12'	76	3	81.0	24G76-T51/76-3660-23
3660	12'	87	3 1/2	86.0	24G87-T51/87-3660-23



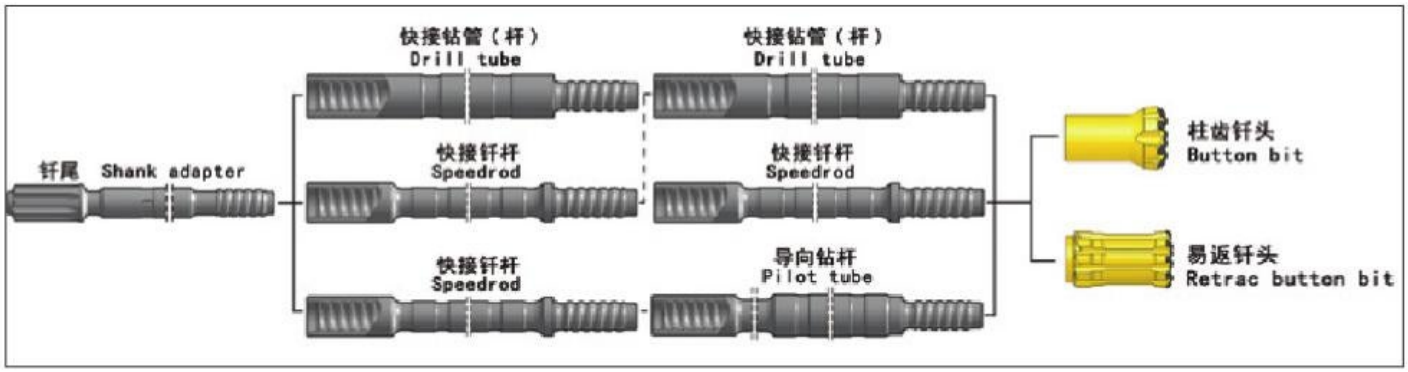
连接套 Coupling

长度 Length 毫米 mm	长度 Length 英寸 inch	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
同径连接套 Coupling sleeves						
225	8 7/8	71	2 51/64	T51	4.6	31-T51-71-225-23
225	8 7/8	76	3	T51	4.8	31-T51-76-225-23
235	9 1/4	72	2 7/8	T51	4.7	31-T51-72-235-23
235	9 1/4	77	3 1/32	T51	4.9	31-T51-77-235-23



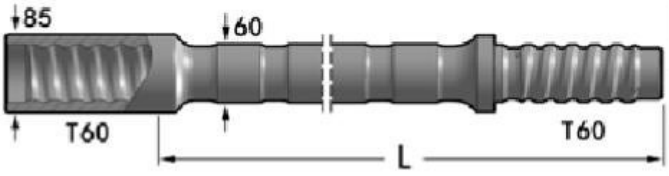
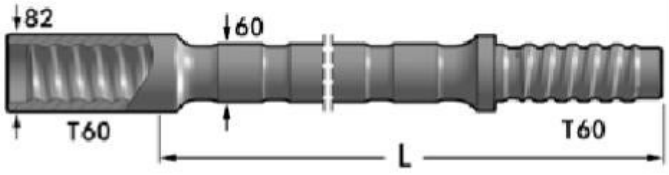
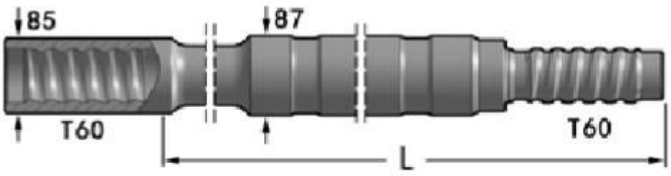
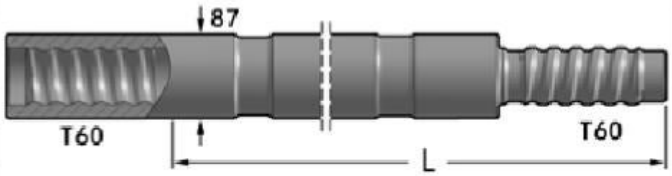
深孔螺纹钎具 Bench drilling

T60



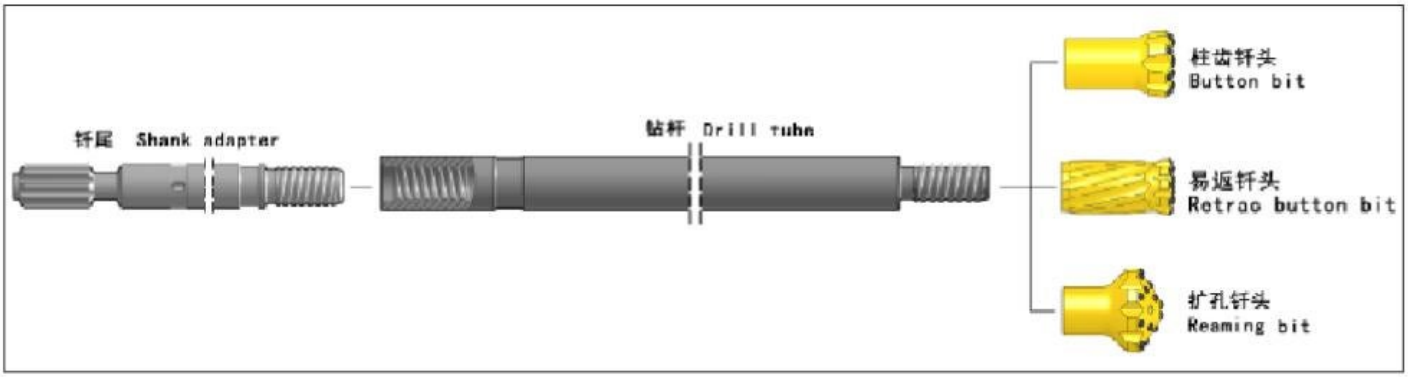
钻头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿形钎头 Button bit	圆齿 Spherical buttons								
	92	3 5/8	4×13,1×13	8×13	35°	4	-	5.3	1432-92T60-513/813-45-31
	96	3 3/4	4×13,1×13	8×14	35°	4	-	5.6	1432-96T60-513/814-45-31
	102	4	9×11	9×13	35°	3	-	6.0	1431-102T60-911/913-45-31
	115	4 1/2	10×12	9×14	35°	3	-	6.8	1431-115T60-1012/914-45-31
	127	5	10×13	9×14	35°	3	-	7.5	1431-127T60-1013/914-45-31
	140	5 1/2	10×14	9×16	35°	3	-	9.0	1431-140T60-1014/916-45-31
	152	6	12×14	9×16	35°	3	-	10.6	1431-152T60-1214/916-45-31
	抛物线齿 Parabolic buttons								
	92	3 5/8	4×13,1×13	8×13	35°	4	-	5.3	1432-92T60-513/813-45-51
	96	3 3/4	4×13,1×13	8×14	35°	4	-	5.6	1432-96T60-513/814-45-51
	102	4	9×11	9×13	35°	3	-	6.0	1431-102T60-911/913-45-51
	115	4 1/2	10×12	9×14	35°	3	-	6.8	1431-115T60-1012/914-45-51
	127	5	10×13	9×14	35°	3	-	7.5	1431-127T60-1013/914-45-51
	140	5 1/2	10×14	9×16	35°	3	-	9.0	1431-140T60-1014/916-45-51
	152	6	12×14	9×16	35°	3	-	10.6	1431-152T60-1214/916-45-51
柱齿易返钎头 Retrac button bit	圆齿 Spherical buttons								
	92	3 5/8	9×12	9×12	40°	2	-	5.4	1531-92T60-912/912-45-31
	96	3 3/4	9×12	9×12	40°	2	-	6.3	1531-96T60-912/912-45-31
	102	4	10×12	9×13	40°	2	-	7.3	1531-102T60-1012/913-45-31
	115	4 1/2	10×12	9×14	35°	3	-	9.8	1531-115T60-1012/914-45-31
	118	4 5/8	6×13	9×16	35°	3	-	10.0	1531-118T60-613/916-45-31
	127	5	10×13	9×14	35°	3	-	12.0	1531-127T60-1013/914-45-31
	140	5 1/2	10×14	9×16	35°	3	-	14.0	1531-140T60-1014/916-45-31
	152	6	12×14	9×16	35°	3	-	16.0	1531-152T60-1214/916-45-31
	抛物线齿 Parabolic buttons								
	92	3 5/8	9×12	9×12	40°	2	-	5.4	1531-92T60-912/912-45-51
	96	3 3/4	9×12	9×12	40°	2	-	6.3	1531-96T60-912/912-45-51
	102	4	10×12	9×13	40°	2	-	7.3	1531-102T60-1012/913-45-51
	115	4 1/2	10×12	9×14	40°	3	-	9.8	1531-115T60-1012/914-45-51
	118	4 5/8	6×13	9×16	35°	3	-	10.0	1531-118T60-613/916-45-51
	127	5	10×13	9×14	35°	3	-	12.0	1531-127T60-1013/914-45-51
	140	5 1/2	10×14	9×16	35°	3	-	14.0	1531-140T60-1014/916-45-51
	152	6	12×14	9×16	35°	3	-	16.0	1531-152T60-1214/916-45-51

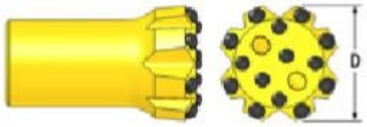
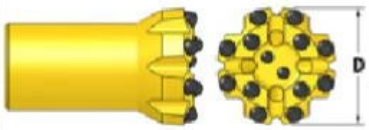
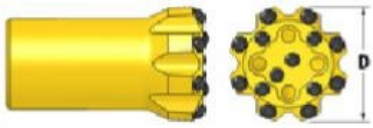
深孔螺纹钎具 Bench drilling　　T60

钎杆 Drill rod	长度 Length 毫米 mm	长度 Length 英尺 Foot	外径 Diameter 毫米 mm	外径 Diameter 英寸 inch	重量 Weight approx kg	三山型号 SANSHAN P/N
快接钎杆　适用于96mm钎头 MF-rod, For bits from 96mm 内孔　Flushing hole 22.5mm. 	3660	12'	60	2 3/8	73.9	24R60-T60/85-3600-23
	4265	14'	60	2 3/8	85.5	24R60-T60/85-4265-23
	6095	20'	60	2 3/8	116.6	24R60-T60/85-6095-23
	4265	14'	64	2 1/2	95.0	24R64-T60/85-4265-23
快接钎杆　适用于92-115mm钎头 MF-rod, For bits from 92-115mm 内孔　Flushing hole 22.6mm. 	3660	12'	60	2 3/8	73.9	24R60-T60/82-3600-23
	4265	14'	60	2 3/8	85.5	24R60-T60/82-4265-23
	6095	20'	60	2 3/8	116.6	24R60-T60/82-6095-23
导向钻杆　快接头直径85mm（76mm钻杆直径是82mm） Pilot Tube　Female end OD 85mm (82mm on 76mm tubes) 	1600	5'3"	87	3 1/2	39.0	24G87-T60/85-1600-23
	4265	14'	87	3 1/2	99.0	24G87-T60/85-4265-23
	5335	17'6"	76	3	124.9	24G76-T60/85-5335-23
钻杆　Drill Tube 	3660	12'	87	3 1/2	87.8	24G87-T60/87-3660-23
	4265	14'	87	3 1/2	99.0	24G87-T60/87-4265-23

钻杆钎具系列 Tube drilling tools

ST58



钻头 Drill bit	钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
	毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿形钎头 Button bit	圆齿 Spherical buttons								
	89	3 1/2	6×12	8×12	35°	2	1	4.1	1431-89ST58-612/812-45-31
	89	3 1/2	6×13	8×13	35°	2	1	4.1	1431-89ST58-613/813-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	4.1	1432-89ST58-513/813-45-31
	89	3 1/2	4×12,2×12	8×12	35°	4	-	4.1	1433-89ST58-612/812-45-31
	95	3 3/4	4×13,1×13	8×14	35°	4	-	4.6	1433-95ST58-513/814-45-31
	102	4	6×14	8×14	35°	2	-	6.0	1431-102ST58-614/814-45-31
	102	4	6×13	8×16	35°	2	1	6.0	1431-102ST58-613/816-45-31
	115	4 1/2	6×14	8×16	35°	2	-	7.0	1431-115ST58-614/816-45-31
	抛物线齿 Parabolic buttons								
	89	3 1/2	6×12	8×12	35°	2	1	4.1	1431-89ST58-612/812-45-51
	89	3 1/2	6×13	8×13	35°	2	1	4.1	1431-89ST58-613/813-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	4.1	1432-89ST58-513/813-45-51
	89	3 1/2	4×12,2×12	8×12	35°	4	-	4.1	1433-89ST58-612/812-45-51
	95	3 3/4	4×13,1×13	8×14	35°	4	-	4.6	1433-95ST58-513/814-45-51
	102	4	6×14	8×14	35°	2	-	6.0	1431-102ST58-614/814-45-51
	102	4	6×13	8×16	35°	2	1	6.0	1431-102ST58-613/816-45-51
	115	4 1/2	6×14	8×16	35°	2	-	7.0	1431-115ST58-614/816-45-51
易返钎头 Retrac button bit	圆齿 Spherical buttons								
	89	3 1/2	6×12	8×14	35°	2	1	5.1	1531-89ST58-612/814-45-31
	89	3 1/2	4×13,1×13	8×13	35°	4	-	5.1	1632-89ST58-513/813-45-31
	102	4	7×12	8×14	35°	2	1	6.5	1531-102ST58-712/814-45-31
	115	4 1/2	6×14	8×16	35°	2	-	8.5	1531-115ST58-614/816-45-31
	抛物线齿 Parabolic buttons								
	89	3 1/2	6×12	8×14	35°	2	1	5.1	1531-89ST58-612/814-45-51
	89	3 1/2	4×13,1×13	8×13	35°	4	-	5.1	1632-89ST58-513/813-45-51
	102	4	7×12	8×14	35°	2	1	6.5	1531-102ST58-712/814-45-51
	115	4 1/2	6×14	8×16	35°	2	-	8.5	1531-115ST58-614/816-45-51

钻杆钎具系列 Tube drilling tools

ST58

钻头 Drill bit

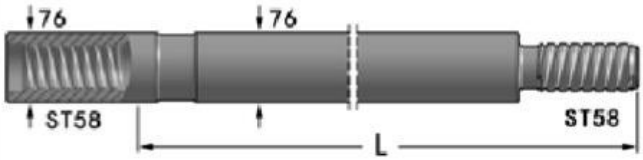
扩孔钎头
Reaming bit



钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
圆齿 Spherical buttons								
152	6	6×16	9×16	35°	3	-	13.0	1441-152ST58-616/916-45-31
152	6	2×14	18×14	35°	3	3	10.4	1441-152ST58-214/1814-45-31
抛物线齿 Parabolic buttons								
152	6	6×16	9×16	35°	3	-	13.0	1441-152ST58-616/916-45-51
152	6	2×14	18×14	35°	3	3	10.4	1441-152ST58-214/1814-45-51

钎杆 Drill rod

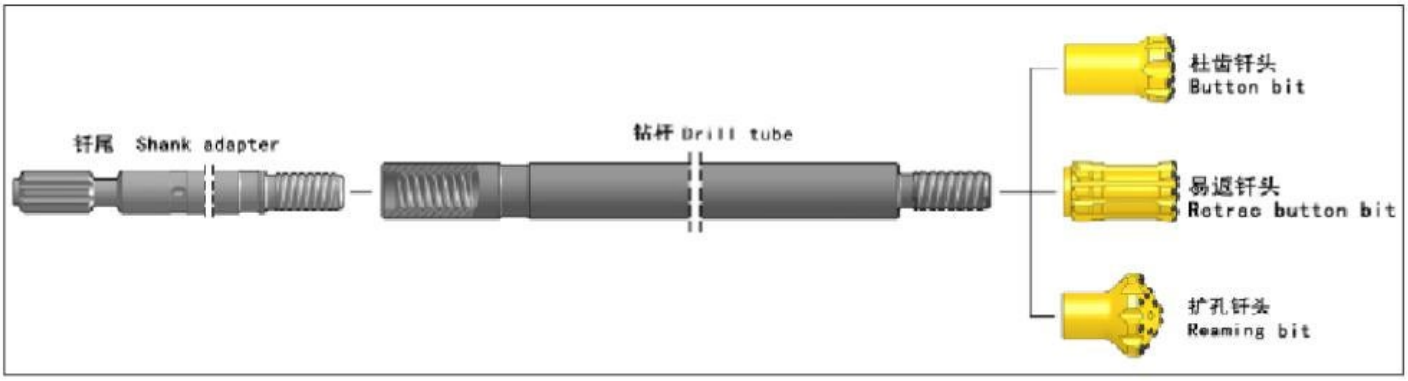
钻杆 内孔直径26mm
Drill tube,Flushing hole 26mm.



长度 Length		外径 Diameter		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英尺 Foot	毫米 mm	英寸 inch		
1525	5'	76	2 3/8	34.0	24G76-ST58/76-1525-23
1830	6'	76	2 3/8	40.0	24G76-ST58/76-1830-23
3660	12'	76	2 3/8	76.3	24G76-ST58/76-3660-23

钻杆钎具系列 Tube drilling tools

ST68



钻头 Drill bit

钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
柱齿形钎头 Button bit								
圆齿 Spherical buttons								
102	4	6×14	8×14	35°	2	-	8.7	1431-102ST68-614/814-45-31
102	4	4×12,4×12	10×12	35°	4	-	8.7	1432-102ST68-812/1012-45-31
105	4 1/8	6×14	8×14	35°	2	-	8.9	1431-105ST68-614/814-45-31
105	4 1/8	4×14,2×12	8×14	35°	4	-	8.9	1433-105ST68-614/814-45-31
110	4 3/8	6×14	8×16	35°	2	-	9.4	1431-110ST68-614/816-45-31
110	4 3/8	4×14,2×14	8×16	35°	4	-	8.9	1433-110ST68-614/816-45-31
115	4 1/2	6×14	8×16	35°	2	-	9.6	1431-115ST68-614/816-45-31
115	4 1/2	4×14,2×14	8×16	35°	4	-	9.5	1433-115ST68-614/816-45-31
115	4 1/2	4×14,4×14	10×14	35°	4	-	9.5	1433-115ST68-814/1014-45-31
127	5	8×14	9×16	35°	3	-	11.0	1431-127ST68-814/916-45-31
127	5	4×14,3×14	8×16	35°	4	-	10.8	1433-127ST68-714/816-45-31
152	6	8×16	9×16	35°	3	-	16.2	1431-152ST68-816/916-45-31
152	6	9×16	9×16	35°	3	-	16.2	1431-152ST68-916/916-45-31
152	6	9×14,3×14	9×16	35°	3	-	16.2	1433-152ST68-1214/916-45-31
抛物线齿 Parabolic buttons								
102	4	6×14	8×14	35°	2	-	8.7	1431-102ST68-614/814-45-51
102	4	4×12,4×12	10×12	35°	4	-	8.7	1432-102ST68-812/1012-45-51
105	4 1/8	6×14	8×14	35°	2	-	8.9	1431-105ST68-614/814-45-51
105	4 1/8	4×14,2×12	8×14	35°	4	-	8.9	1433-105ST68-614/814-45-51
110	4 3/8	6×14	8×16	35°	2	-	9.4	1431-110ST68-614/816-45-51
110	4 3/8	4×14,2×14	8×16	35°	4	-	8.9	1433-110ST68-614/816-45-51
115	4 1/2	6×14	8×16	35°	2	-	9.6	1431-115ST68-614/816-45-51
115	4 1/2	4×14,2×14	8×16	35°	4	-	9.5	1433-115ST68-614/816-45-51
115	4 1/2	4×14,4×14	10×14	35°	4	-	9.5	1433-115ST68-814/1014-45-51
127	5	8×14	9×16	35°	3	-	11.0	1431-127ST68-814/916-45-51
127	5	4×14,3×14	8×16	35°	4	-	10.8	1433-127ST68-714/816-45-51
152	6	8×16	9×16	35°	3	-	16.2	1431-152ST68-816/916-45-51
152	6	9×16	9×16	35°	3	-	16.2	1431-152ST68-916/916-45-51
152	6	9×14,3×14	9×16	35°	3	-	16.2	1433-152ST68-1214/916-45-51

钻杆钎具系列 Tube drilling tools

ST68

钻头 Drill bit

钎头直径 Diameter		合金数量×直径 No×button diameter			水孔数量 Flushing hole		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英寸 inch	芯齿 Front	边齿 Gauge	倾角 Angle	正 Front	侧 Side		
易返钎头 Retrac button bit								
圆齿 Spherical buttons								
102	4	4×12.4×12	10×12	35°	4	-	9.3	1632-102ST68-812/1012-45-31
102	4	4×14.2×12	8×14	35°	4	-	9.3	1533-102ST68-614/814-45-31
110	4 3/8	6×14	8×16	35°	2	-	10.0	1531-110ST68-614/816-45-31
115	4 1/2	6×14	8×16	35°	2	-	10.0	1531-115ST68-614/816-45-31
127	5	8×14	9×16	35°	3	-	15.0	1531-127ST68-814/916-45-31
140	5 1/2	9×14	9×16	35°	3	-	17.8	1531-140ST68-914/916-45-31
抛物线齿 Parabolic buttons								
102	4	4×12.4×12	10×12	35°	4	-	9.3	1632-102ST68-812/1012-45-51
102	4	4×14.2×12	8×14	35°	4	-	9.3	1533-102ST68-614/814-45-51
110	4 3/8	6×14	8×16	35°	2	-	10.0	1531-110ST68-614/816-45-51
115	4 1/2	6×14	8×16	35°	2	-	10.0	1531-115ST68-614/816-45-51
127	5	8×14	9×16	35°	3	-	15.0	1531-127ST68-814/916-45-51
140	5 1/2	9×14	9×16	35°	3	-	17.8	1531-140ST68-914/916-45-51
扩孔钎头 Reaming bit								
圆齿 Spherical buttons								
152	6	6×16	9×16	35°	3	-	13.0	1441-152ST68-616/916-45-31
152	6	2×14	18×14	35°	3	3	10.4	1441-152ST68-214/1814-45-31
抛物线齿 Parabolic buttons								
152	6	6×16	9×16	35°	3	-	13.0	1441-152ST68-616/916-45-51
152	6	2×14	18×14	35°	3	3	10.4	1441-152ST68-214/1814-45-51

钎杆 Drill rod

长度 Length		外径 Diameter		重量 Weight approx kg	三山型号 SANSHAN P/N
毫米 mm	英尺 Foot	毫米 mm	英寸 inch		
钻杆 Drill tube 内孔直径 Flushing hole 30mm.					
1525	5'	87	3 7/16	35.5	24G87-ST68/87-1525-23
1830	6'	87	3 7/16	43.8	24G87-ST68/87-1830-23
3660	12'	87	3 7/16	80.0	24G87-ST68/87-3660-23
6110	20'	87	3 7/16	133.0	24G87-ST68/87-6110-23



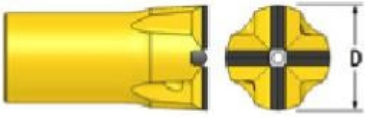
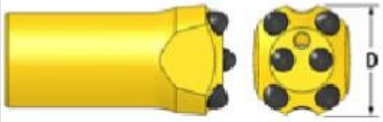


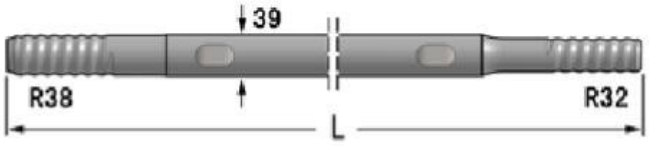
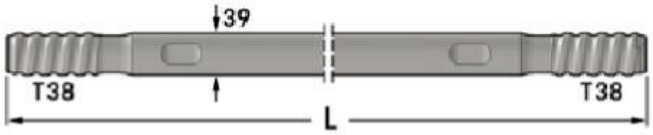
Furnace Tapping Tools 高炉开口钎具

		Page
Furnace Tapping Tools	高炉开口钎具	58

SANSHAN

高炉用钎具 Rock Tools For Furnace

产品名称 Name of product	钎头直径 Diameter 毫米 mm	钎头直径 Diameter 英寸 inch	合金 Tip size(mm) 高×厚 H×W	螺纹 Thread	重量 Weight approx kg	三山型号 SANSHAN P/N
十字型钎头Cross-type bit 	45	1 3/4	7×8	R32	0.5	1222-45R32-7/8-40-24
	50	1 31/32	7×8	R32	0.6	1222-50R32-7/8-40-24
	55	2 1/8	7×8	R32	0.6	1222-55R32-7/8-40-24
	55	2 1/8	7×8	R38	0.7	1222-55R38-7/8-40-24
	55	2 1/8	7×8	T38	1.0	1222-55T38-7/8-40-24
	60	2 3/8	7×8	R32	0.7	1222-60R32-7/8-40-24
	60	2 3/8	7×8	R38	1.2	1222-60R38-7/8-40-24
	60	2 3/8	7×8	T38	1.3	1222-60T38-7/8-40-24
	65	2 1/2	7×8	R32	0.9	1222-65R32-7/8-40-24
	65	2 1/2	7×8	R38	1.3	1222-65R38-7/8-40-24
	65	2 1/2	7×8	T38	1.4	1222-65T38-7/8-40-24
	70	2 3/4	7×8	R32	1.3	1222-70R32-7/8-40-24
	70	2 3/4	7×8	T38	1.5	1222-70T38-7/8-40-24
	80	3 1/8	7×8	R32	1.7	1222-80R32-7/8-40-24
	100	3 3/4	7×8	R32	1.8	1222-100R32-7/8-40-24
柱齿形钎头 Button bit 	48	1 7/8	6×10	R32	0.6	1431-48R32-6/10-42-53
	51	2	6×10	R32	0.7	1431-51R32-6/10-42-53
	54	2 1/8	6×11	R32	0.7	1431-54R32-6/11-42-53
	57	2 1/4	6×11	R32	0.8	1431-57R32-6/11-42-53

产品名称 Name of product	长度 Length 毫米 mm	长度 Length 英尺 Foot	重量 Weight (kg)	三山型号 SANSHAN P/N
R38-Round39-R32 	2800	9'2"	22.7	25R39-R32/R38-2800-40
	3400	11'2"	27.8	25R39-R32/R38-3400-40
	3600	11'9"	29.4	25R39-R32/R38-3600-40
	4100	13'5"	34.5	25R39-R32/R38-4100-40
	4300	14'1"	35.3	25R39-R32/R38-4300-40
T38-Round39-T38 	3000	9'8"	24.9	25R39-T38-3000-40
	3200	10'5"	26.5	25R39-T38-3200-40
	4000	13'1"	33.4	25R39-T38-4000-40

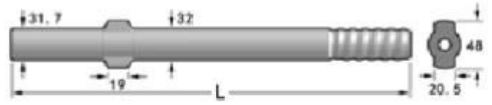
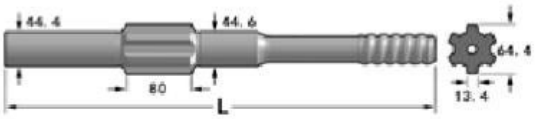
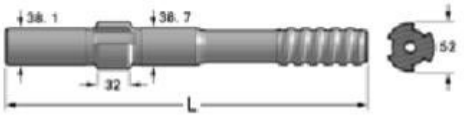
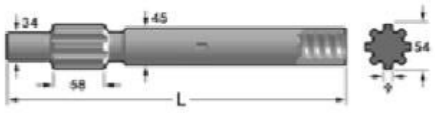
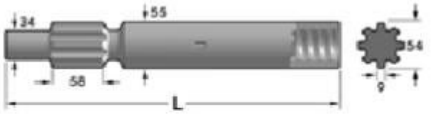
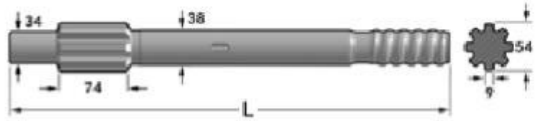




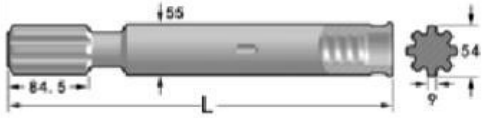
Shank adapters 钎尾

		Page
Atlas Copco	阿特拉斯	60
Boart	波特	62
Furukawa	古河	62
Gardner-Denver	戈登丹佛	63
Ingersoll-Rand	英格索兰	63
Montabert	蒙塔贝特	63
SIG	SIG	64
Sandvik	山特维克	65
Others	其它	68

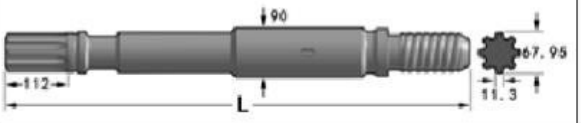
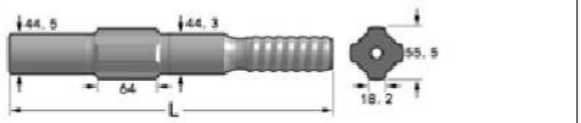
钎尾 Shank adapter

阿特拉斯 Atlas Copco	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Atlas Copco BBC 43, BBC 44, BBC 45, BBC 100	R32	380	2.2	10	4BBC43-32R32-10380-23
	Atlas Copco BBC 51, BBC 52, BBC 54, BBC 120	R32 T38	380 390	2.9 3.4	10 10	4BBC51-38R32-10380-23 4BBC51-38T38-10390-23
	Atlas Copco BBE 57	T38	538	5.6	14	4BBE57-44T38-14538-23
	Atlas Copco COP 125, COP 130, COP 131	T38	380	3.3	14	4125-39T38-14380-23
 	Atlas Copco COP 1032HD	R32 R38	340 340	3.7 4.4	- -	41032HD-45R32-0340-23 41032HD-55R32-0340-23
	Atlas Copco COP 1032	R32 R35 R38 T38	550 550 550 550	5.3 5.6 5.7 5.7	- - - -	41032-45R32-0550-23 41032-45R35-0550-23 41032-45R38-0550-23 41032-45T38-0550-23
 	Atlas Copco COP 1036 COP 1038HB	R32 T38 T45	500 500 500	4.3 4.7 5.3	- - -	41036-38R32-0500-23 41036-38T38-0500-23 41036-45T45-0500-23
	Atlas Copco COP 1038HD COP 1238	R32 R38 T38	485 485 485	4.3 4.5 4.5	- - -	41238-38R32-0485-23 41238-38R38-0485-23 41238-38T38-0485-23

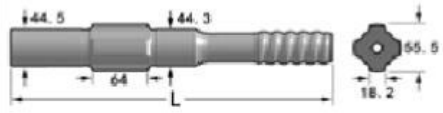
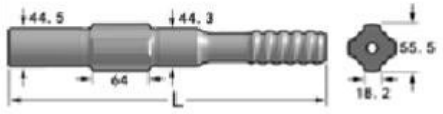
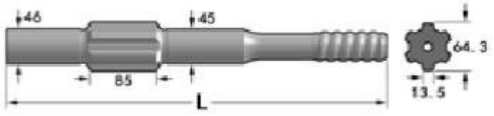
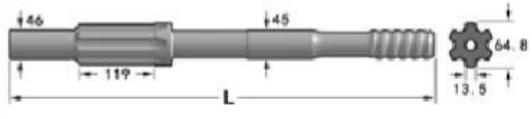
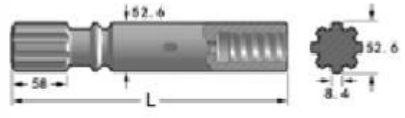
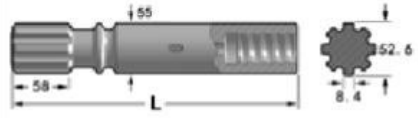
钎尾 Shank adapter

阿特拉斯 Atlas Copco	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Atlas Copco COP 1038HL	R32 T38	575 575	4.9 5.2	- - -	41038HL-38R32-0575-23 41038HL-38T38-0575-23
		T45	575	6.1	-	41038HL-45T45-0575-23
	Atlas Copco COP 1238	R32 T38 R38 T38	500 500 485 485	4.0 4.4 4.2 4.2	- - - -	41238-38R32-0500-23 41238-38T38-0500-23 41238-38R38-0485-23 41238-38T38-0485-23
		T45	500	5.0	-	41238-45T45-0500-23
		R32 R38 T38	575 575 575	4.9 5.0 5.2	- - -	41238-38R32-0575-23 41238-38R38-0575-23 41238-38T38-0575-23
		T38 T45	575 575	5.7 6.1	- -	41238-45T38-0575-23 41238-45T45-0575-23
	Atlas Copco COP 1432, COP 1532, COP 1440, COP 1838 HD, COP 1838 ME	R32 R38 T38	435 435 435	3.9 4.2 4.2	- - -	41432-38R32-0435-23 41432-38R38-0435-23 41432-38T38-0435-23
		R32 T38	525 525	4.8 5.0	- -	41432-38R32-0525-23 41432-38T38-0525-23
	Atlas Copco COP 1432, COP 1532	R32 R38	341 341	4.7 5.2	- -	41432-55R32-0341-23 41432-55R38-0341-23
	Atlas Copco COP 1550, COP 1838ME/HE	T38 T45 T51	525 525 525	6.2 6.4 6.8	- - -	41550-52T38-0525-23 41550-52T45-0525-23 41550-52T51-0525-23

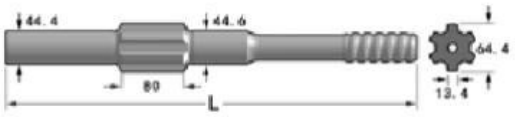
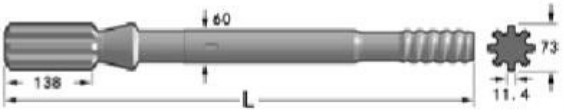
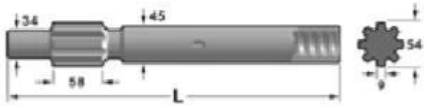
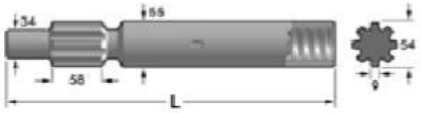
钎尾 Shank adapter

阿特拉斯/波特/古河 Atlas Copco, Boart and Furukawa	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Atlas Copco COP 1550 EX, COP 1838 EX	T38 T45 T51	730 730 730	10.1 10.5 10.7	- - -	41550EX-60T38-0730-23 41550EX-60T45-0730-23 41550EX-60T51-0730-23
	Atlas Copco COP 1840HE COP 1850	T45 T51	565 565	7.2 7.4	- -	41850-52T45-0565-23 41850-52T51-0565-23
	Atlas Copco COP 2150PG	T51	770	11.2	-	42150PG-52T51-0770-23
	Atlas Copco COP 2160EX	T45 T51	770 770	13.2 13.3	- -	42160EX-63T45-0770-23 42160EX-63T51-0770-23
	Atlas Copco COP 4050EX	ST68	805	69.6	-	44050EX-70ST68-0805-23
	Atlas Copco COP 4050MUX	ST68	835	69.9	-	44050MUX-90ST68-0835-23
	Boart HD 125, HD 150, HD 160	R38 T38	495 495	5.6 5.6	- -	4HD125-45R38-0495-23 4HD125-45T38-0495-23
	Furukawa M 120, PD 200	R32 R38 T38 T38	330 350 380 446	3.6 3.8 4.0 4.3	14.3 14.3 14.3 14.3	4M120-44R32-14330-23 4M120-44R38-14350-23 4M120-44T38-14380-23 4M120-44T38-14446-23
	Furukawa PD 200R	T38 T45	484 484	4.0 4.3	14.3 14.3	4PD200R-44T38-14484-23 4PD200R-44T45-14484-23
	Furukawa HD 260, HD 300	T38 T45	655 655	7.8 7.8	16 16	4HD260-45T38-16655-23 4HD260-45T45-16655-23

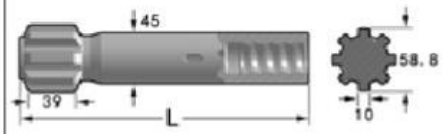
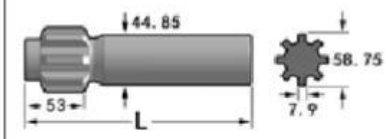
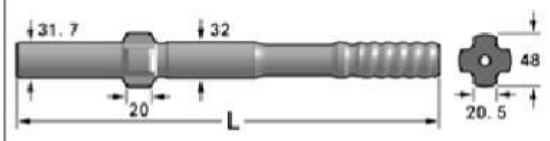
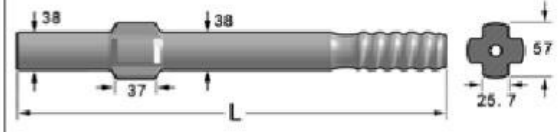
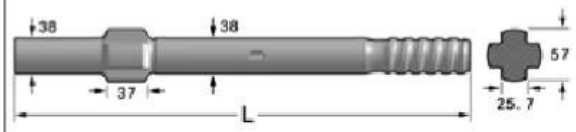
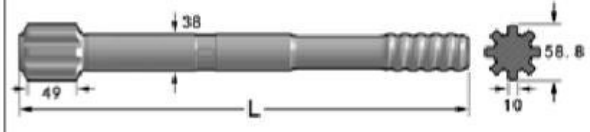
钎尾 Shank adapter

古河/戈登丹佛/英格索兰/蒙塔贝特 Furukawa, Gardner—Denver, Ingersoll—Rand and Montabert	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Furukawa HD 609	T38 T38 T45	620 690 620	6.2 6.5 6.9	- - -	4HD609-45T38-0620-23 4HD609-45T38-0690-23 4HD609-45T45-0620-23
	Furukawa HD 612	T45	710	9.2	-	4HD612-51T45-0710-23
	Furukawa HD 712	T45	788	11.2	-	4HD712-51T45-0788-23
	Gardner-Denver PR 123	R32 R38 T38 T45	380 380 380 380	3.6 3.9 3.9 4.2	14.3 14.3 14.3 14.3	4PR123-44R32-14380-23 4PR123-44R38-14380-23 4PR123-44T38-14380-23 4PR123-44T45-14380-23
	Ingersoll-Rand URD475, URD550, VL120, EVL130, VL140, F16	R32 R38 T38 T38	330 350 380 446	3.6 3.8 4.0 4.3	14 14 14 14	4VL120-44R32-14330-23 4VL120-44R38-14350-23 4VL120-44T38-14380-23 4VL120-44T38-14446-23
	Ingersoll-Rand YH 65, YH 80	T38 T45	500 500	5.8 6.1	19 19	4YH65-45T38-19500-23 4YH65-45T45-19500-23
	Ingersoll-Rand YH 65 RP, YH 70 RP, YH 75 RP, YH 80 RP	T45	700	8	19	4YH65RP-45T45-19700-23
	Montabert HC 40	R32 R38 T38	447 447 447	3.9 4.1 4.1	- - -	4HC40-38R32-0447-23 4HC40-38R38-0447-23 4HC40-38T38-0447-23
 	Montabert HC 40	R32 R38	270 320	4.1 4.4	- -	4HC40-52R32-0270-23 4HC40-55R38-0320-23

钎尾 Shank adapter

蒙塔贝特/SIG Montabert and SIG	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Montabert HC 80, HC 90, HC 105, HC 120	R32 R38 T38 T38	440 440 440 500	5.1 5.3 5.3 5.8	- - - -	4HC80-38R32-0440-23 4HC80-38R38-0440-23 4HC80-38T38-0440-23 4HC80-38T38-0500-23
	Montabert H 100	T38	540	5.6	14	4H100-45T38-14540-23
	Montabert HC 120, HC 150	T45	490	5.9	-	4HC120-45T45-0490-23
	Montabert HC 80R, HC 120R, HC 150R	T45 T51	670 670	8.3 8.3	- -	4HC80R-51T45-0670-23 4HC80R-51T51-0670-23
	Montabert HC 200	T51 T60	840 840	13.9 14.2	- -	4HC200-60T51-0840-23 4HC200-60T60-0840-23
	SIG HBM 50, HBM 100, HBM 120	R32	340	3.7	-	4HBM50-45R32-0340-23
	SIG HBM 100, HBM 120	R38	340	4.4	-	4HBM100-55R38-0340-23
	SIG HBM 50, HBM 100, HBM 120	R32	550	5.3	-	4HBM50-45R32-0550-23
	SIG HBM 101	R32	500	4.6	-	4HBM101-38R32-0500-23

钎尾 Shank adapter

山特维克（汤姆洛克） Sandvik (Tamrock)	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Tamrock HL 300	R32	400	2.8	-	4HL300-32R32-0400-23
	Tamrock HL 300S	R32	245	2.8	-	4HL300S-45R32-0245-23
	Tamrock HLX 3	R32	324	3.8	-	4HLX3-45R32-0324-23
	Tamrock HLX 3F	R32	205	2.6	-	4HLX3F-45R32-0205-23
	Tamrock L400, L410, L500, L510, L550	R32	380	2.3	10	4L400-32R32-0380-23
	Tamrock HL 438, HL 538, HLR 438L, HLR 438T	R32 T38	380 400	3.2 3.6	12.7 12.7	4HL438-38R32-13380-23 4HL438-38T38-13400-23
	Tamrock HL 438LS, HL 438TS, HL 538, HL 538L, L 550S	R32 R38 T38 T38	450 450 455 545	4.1 4.3 4.3 4.8	- - - -	4HL538-38R32-0450-23 4HL538-38R38-0450-23 4HL538-38T38-0455-23 4HL538-38T38-0545-23
	Tamrock HL500-38, HL510-38	R32 T38	550 550	4.3 4.6	- -	4HL500-38R32-0550-23 4HL500-38T38-0550-23
	Tamrock HL 500-45, HL 510-45	R32 T38 T45	550 550 550	5.6 5.6 6.1	- - -	4HL500-45R32-0550-23 4HL500-45T38-0550-23 4HL500-45T45-0550-23

钎尾 Shank adapter

山特维克（汤姆洛克） Sandvik (Tamrock)	配套凿岩机型 Rock drill	螺纹 Thread	长度 Length (mm)	重量 Weight (Kg)	内孔直径 Flushing (mm)	三山型号 SANSHAN P/N
	Tamrock HL 500S-38, HL 510S-38, HL 510B, HL 510HL	R32 R38 T38 R38 T38	460 460 460 500 500	3.9 4.1 4.1 4.3 4.3	- - - - -	4HL510B-38R32-0460-23 4HL510B-38R38-0460-23 4HL510B-38T38-0460-23 4HL510B-38R38-0500-23 4HL510B-38T38-0500-23
	Tamrock HL 500F, HL 510F	R32	350	3.6	-	4HL500F-45R32-0350-23
	Tamrock HL 550 SUPER, HL 560 SUPER, HL 510S-45	R38 T38 T45	500 500 500	5.5 5.5 5.6	- - -	4HL550-45R38-0500-23 4HL550-45T38-0500-23 4HL550-45T45-0500-23
	Tamrock HLX 5, HLX 5T	R32 R38 T38 R32 T38 T45	500 500 500 575 575 575	5.4 5.5 5.5 6.4 6.5 6.6	- - - - - -	4HLX5-45R32-0500-23 4HLX5-45R38-0500-23 4HLX5-45T38-0500-23 4HLX5-45R32-0575-23 4HLX5-45T38-0575-23 4HLX5-45T45-0575-23
	Tamrock HLX5 PE-45	R32 T38	575 575	6.3 6.4	- -	4HLX5PE-45R32-0575-23 4HLX5PE-45T38-0575-23
	Tamrock HL 600-45, HL 600S-45	T38 T45 R32 T38 T45	600 600 525 525 525	6.7 6.7 5.9 6.0 6.1	- - - - -	4HL600-45T38-0600-23 4HL600-45T45-0600-23 4HL600-45R32-0525-23 4HL600-45T38-0525-23 4HL600-45T45-0525-23
	Tamrock HL 600-52, HL 600S-52	T45 T51	650 650	8.0 8.0	- -	4HL600-52T45-0650-23 4HL600-52T51-0650-23
	Tamrock HL 645, HL 645S	T38 T45	600 600	6.6 6.8	- -	4HL645-45T38-0600-23 4HL645-45T45-0600-23
	Tamrock HL 650-45, HL 700-45, HL 700T-45, HL 710-45, HL 800T-45	T38 T45	600 600	7.3 7.8	- -	4HL650-45T38-0600-23 4HL650-45T45-0600-23