

Your Professional Cutting Partner!

Hi-Tech Cutting Tool Co., Ltd

Tel: +86 769 8150 2920
Fax: +86 769 8150 2952

Email: shirleypeng@htcuttingtool.com

Web: www.htcuttingtool.com

Add: No. 8, West 1st District, Shihe Road, Shilongkeng Village, Liaobu Town, Dongguan City, China

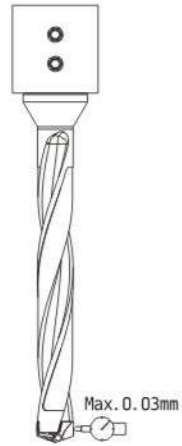
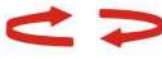


KS 皇冠钻
KS Modular Drills

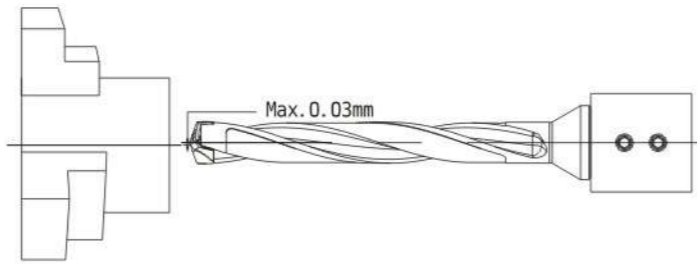
机床安装精度

Machine tool installation accuracy

跳动 Runout



同心度 Misalignment

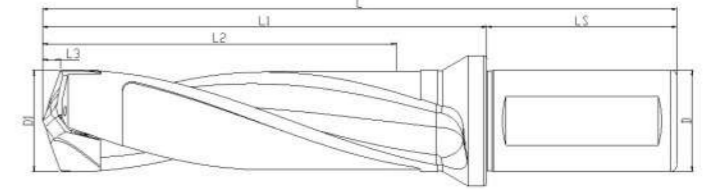


应用注意事项

Application precautions

工况 Operating Condition	说明 Instructions	工况 Operating Condition	说明 Instructions
	起始面为斜面 The entry surface is slanted 斜面进给率 Slope Feed Rate < 3° 50%		工件表面不平整 The entry surface is welded 加工前先镗平 Level it through spot facing before machining
	出孔为斜面 The outlet is slanted 斜面进给率 Slope Feed Rate < 3° 50%		钻叠层板 Stacked plates 原则上可以 Allowed in principle 需要良好的工件压紧 The workpiece shall be properly clamped 板之间不能有间隙 There must be no gaps between the plates
	起始面为弧面 The entry surface is arc 在中心处钻孔并降低进给是可以的 Drilling at the center at reduced feed rate is allowed 如起始点不在弧面中心需要将面镗平 Spot facing is required if the entry point is not at the center of the arc		钻型腔 Cavities 不建议 Not recommended
	钻贯穿孔 Through hole 不建议 Not recommended		起始面有台阶 Step on the entry surface 不可以(钻尖起始点必须为平面) Not allowed (the entry point must be on a horizontal plane)

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻钻杆 1.5D

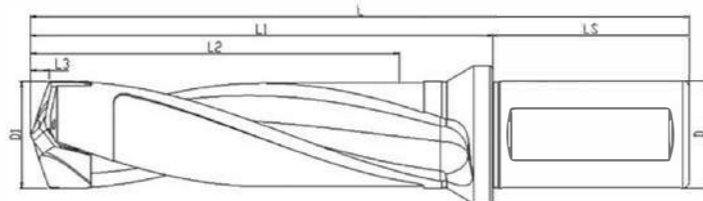
KS Crown Drill Rod 1.5D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size							刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D					
KS1250/1350-1.5D-C20	12.50	13.50	108.5	58.5	21	2.1	50	20	C	M3.0/M2.5*14	T6*156	448	
KS1351/1450-1.5D-C20	13.51	14.50	112.5	62.5	22	2.3	50	20	B	M3.0/M2.5*14	T6*156	448	
KS1451/1599-1.5D-C20	14.51	15.99	114.5	64.5	24	2.5	50	20	A	M3.0/M2.5*14	T6*156	476	
KS1600/1800-1.5D-C20	16.00	18.00	119.0	69.0	27	2.9	50	20	1	M3.5/M2.5*16	1.5*185	546	
KS1801/1999-1.5D-C25	18.01	19.99	132.0	76.0	30	3.2	56	25	2	M4.0/M3.0*19	2.0*210	616	
KS2000/2200-1.5D-C25	20.00	22.00	138.0	82.0	33	3.5	56	25	3	M4.0/M3.0*19	2.0*210	686	
KS2201/2400-1.5D-C25	22.01	24.00	144.0	88.0	36	3.8	56	25	4	M4.0/M3.0*19	2.0*210	735	
KS2401/2600-1.5D-C32	24.01	26.00	160.0	100.0	39	4.0	60	32	5	M5.0/M4.0*23	2.5*240	770	
KS2601/2800-1.5D-C32	26.01	28.00	165.0	105.0	42	4.3	60	32	6	M5.0/M4.0*23	2.5*240	840	
KS2801/3000-1.5D-C32	28.01	30.00	171.0	111.0	45	4.6	60	32	7	M6.0/M5.0*28	3.0*265	875	
KS3001/3200-1.5D-C32	30.01	32.00	175.0	115.0	48	4.9	60	32	8	M6.0/M5.0*28	3.0*265	980	
KS3201/3600-1.5D-C40	32.01	36.00	190.0	120.0	54	5.5	70	40	9	M6.0/M6.0*32	3.0*265	1106	
KS3601/4000-1.5D-C40	36.01	40.00	196.0	126.0	60	6.2	70	40	10	M6.0/M6.0*32	3.0*265	1176	
KS4001/4500-1.5D-C40	40.01	45.00	213.0	143.0	68	6.2	70	40	11	M6.0/M6.0*32	3.0*265	1258	
KS4501/5200-1.5D-C50	45.01	52.00	220.5	150.5	78	6.2	70	50	12	M6.0/M6.0*32	3.0*265	1384	

注:钻头直径大于40mm需要定制, 价格按实际报价。 Attention: For drill bits with a diameter greater than 40mm, customization is required, and the price will be based on the actual quotation.

钻杆 Drill Pipe

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻杆 3D KS Crown Drill Rod 3D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size						刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D				
KS1250/1300-3D-C20	12.50	13.00	127.5	77.5	39	2.0	50	20	C	M3.0/M2.5*14	T6*156	650
KS1301/1350-3D-C20	13.01	13.50	130.0	80.0	41	2.1	50	20	C	M3.0/M2.5*14	T6*156	650
KS1351/1400-3D-C20	13.51	14.00	132.5	82.5	42	2.2	50	20	B	M3.0/M2.5*14	T6*156	650
KS1401/1450-3D-C20	14.01	14.50	135.0	85.0	44	2.2	50	20	B	M3.0/M2.5*14	T6*156	650
KS1451/1499-3D-C20	14.51	14.99	136.5	86.5	45	2.3	50	20	A	M3.0/M2.5*14	T6*156	680
KS1500/1549-3D-C20	15.00	15.49	139.0	89.0	47	2.4	50	20	A	M3.0/M2.5*14	T6*156	680
KS1550/1599-3D-C20	15.50	15.99	141.5	91.5	48	2.5	50	20	A	M3.0/M2.5*14	T6*156	680
KS1600/1649-3D-C20	16.00	16.49	143.0	93.0	50	2.5	50	20	1	M3.5/M2.5*16	1.5*185	780
KS1650/1699-3D-C20	16.50	16.99	145.5	95.5	51	2.6	50	20	1	M3.5/M2.5*16	1.5*185	780
KS1700/1749-3D-C20	17.00	17.49	148.0	98.0	53	2.7	50	20	1	M3.5/M2.5*16	1.5*185	780
KS1750/1800-3D-C20	17.50	18.00	150.0	100.0	54	2.8	50	20	1	M3.5/M2.5*16	1.5*185	780
KS1801/1849-3D-C25	18.01	18.49	159.0	103.0	56	2.9	56	25	2	M4.0/M3.0*19	2.0*210	880
KS1850/1899-3D-C25	18.50	18.99	161.5	105.5	57	2.9	56	25	2	M4.0/M3.0*19	2.0*210	880
KS1900/1949-3D-C25	19.00	19.49	164.0	108.0	59	3.0	56	25	2	M4.0/M3.0*19	2.0*210	880
KS1950/1999-3D-C25	19.50	19.99	165.5	109.5	60	3.1	56	25	2	M4.0/M3.0*19	2.0*210	880
KS2000/2049-3D-C25	20.00	20.49	168.0	112.0	62	3.2	56	25	3	M4.0/M3.0*19	2.0*210	980
KS2050/2099-3D-C25	20.50	20.99	170.5	114.5	63	3.3	56	25	3	M4.0/M3.0*19	2.0*210	980
KS2100/2149-3D-C25	21.00	21.49	172.0	116.0	65	3.3	56	25	3	M4.0/M3.0*19	2.0*210	980
KS2150/2200-3D-C25	21.50	22.00	174.5	118.5	66	3.4	56	25	3	M4.0/M3.0*19	2.0*210	980
KS2201/2249-3D-C25	22.01	22.49	177.0	121.0	68	3.5	56	25	4	M4.0/M3.0*19	2.0*210	1050
KS2250/2299-3D-C25	22.50	22.99	179.0	123.0	69	3.6	56	25	4	M4.0/M3.0*19	2.0*210	1050
KS2300/2349-3D-C25	23.00	23.49	181.0	125.0	71	3.7	56	25	4	M4.0/M3.0*19	2.0*210	1050
KS2350/2400-3D-C25	23.50	24.00	183.5	127.5	72	3.7	56	25	4	M4.0/M3.0*19	2.0*210	1050
KS2401/2449-3D-C32	24.01	24.49	196.0	136.0	74	3.8	60	32	5	M5.0/M4.0*23	2.5*240	1100
KS2450/2499-3D-C32	24.50	24.99	197.5	137.5	75	3.9	60	32	5	M5.0/M4.0*23	2.5*240	1100
KS2500/2549-3D-C32	25.00	25.49	200.0	140.0	77	3.8	60	32	5	M5.0/M4.0*23	2.5*240	1100
KS2550/2600-3D-C32	25.50	26.00	202.5	142.5	78	3.9	60	32	5	M5.0/M4.0*23	2.5*240	1100

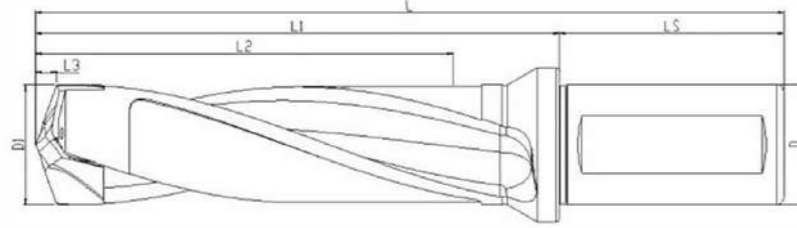
钻杆 Drill Pipe

KS皇冠钻杆 3D KS Crown Drill Rod 3D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size						刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D				
KS2601/2649-3D-C32	26.01	26.49	204.0	144.0	80	4.0	60	32	6	M5.0/M4.0*23	2.5*240	1200
KS2650/2699-3D-C32	26.50	26.99	206.5	146.5	81	4.1	60	32	6	M5.0/M4.0*23	2.5*240	1200
KS2700/2749-3D-C32	27.00	27.49	209.0	149.0	83	4.2	60	32	6	M5.0/M4.0*23	2.5*240	1200
KS2750/2800-3D-C32	27.50	28.00	211.0	151.0	84	4.2	60	32	6	M5.0/M4.0*23	2.5*240	1200
KS2801/2849-3D-C32	28.01	28.49	213.0	153.0	86	4.3	60	32	7	M6.0/M5.0*28	3.0*265	1250
KS2850/2899-3D-C32	28.50	28.99	215.5	155.5	87	4.4	60	32	7	M6.0/M5.0*28	3.0*265	1250
KS2900/2949-3D-C32	29.00	29.49	218.0	158.0	89	4.5	60	32	7	M6.0/M5.0*28	3.0*265	1250
KS2950/3000-3D-C32	29.50	30.00	219.5	159.5	90	4.5	60	32	7	M6.0/M5.0*28	3.0*265	1250
KS3001/3049-3D-C32	30.01	30.49	220.0	160.0	92	4.6	60	32	8	M6.0/M5.0*28	3.0*265	1400
KS3050/3099-3D-C32	30.50	30.99	221.5	161.5	93	4.7	60	32	8	M6.0/M5.0*28	3.0*265	1400
KS3100/3149-3D-C32	31.00	31.49	223.0	163.0	95	4.8	60	32	8	M6.0/M5.0*28	3.0*265	1400
KS3150/3200-3D-C32	31.50	32.00	224.5	164.5	96	4.8	60	32	8	M6.0/M5.0*28	3.0*265	1400
KS3201/3299-3D-C40	32.01	32.99	238.0	168.0	99	4.9	70	40	9	M6.0/M6.0*32	3.0*265	1580
KS3300/3399-3D-C40	33.00	33.99	241.0	171.0	102	5.1	70	40	9	M6.0/M6.0*32	3.0*265	1580
KS3400/3499-3D-C40	34.00	34.99	244.0	174.0	105	5.2	70	40	9	M6.0/M6.0*32	3.0*265	1580
KS3500/3600-3D-C40	35.00	36.00	247.0	177.0	108	5.4	70	40	9	M6.0/M6.0*32	3.0*265	1580
KS3601/3699-3D-C40	36.01	36.99	250.0	180.0	111	5.5	70	40	10	M6.0/M6.0*32	3.0*265	1680
KS3700/3799-3D-C40	37.00	37.99	253.0	183.0	114	5.7	70	40	10	M6.0/M6.0*32	3.0*265	1680
KS3800/3899-3D-C40	38.00	38.99	256.0	186.0	117	5.8	70	40	10	M6.0/M6.0*32	3.0*265	1680
KS3900/4000-3D-C40	39.00	40.00	259.0	189.0	120	6.0	70	40	10	M6.0/M6.0*32	3.0*265	1680
KS4001/4099-3D-C40	40.01	40.99	273.0	203.0	123	6.0	70	40	11	M6.0/M6.0*32	3.0*330	1798
KS4100/4199-3D-C40	41.00	41.99	276.0	206.0	126	6.0	70	40	11	M6.0/M6.0*32	3.0*330	1798
KS4200/4299-3D-C40	42.00	42.99	279.0	209.0	129	6.0	70	40	11	M6.0/M6.0*32	3.0*330	1798
KS4300/4399-3D-C40	43.00	43.99	282.0	212.0	132	6.0	70	40	11	M6.0/M6.0*32	3.0*330	1798
KS4400/4500-3D-C40	44.00	45.00	285.0	215.0	135	6.0	70	40	11	M6.0/M6.0*32	3.0*330	1798
KS4501/4599-3D-C50	45.01	45.99	288.0	218.0	138	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960
KS4600/4699-3D-C50	46.00	46.99	291.0	221.0	141	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960
KS4700/4799-3D-C50	47.00	47.99	294.0	224.0	144	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960
KS4800/4899-3D-C50	48.00	48.99	297.0	227.0	147	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960
KS4900/4999-3D-C50	49.00	49.99	300.0	230.0	150	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960
KS5000/5099-3D-C50	50.00	50.99	303.0	233.0	153	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960
KS5100/5200-3D-C50	51.00	52.00	306.0	236.0	156	6.0	70	50	12	M6.0/M6.0*32	3.0*330	1960

钻杆 Drill Pipe

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻杆 5D KS Crown Drill Rod 5D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size						刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D				
KS1250/1300-5D-C20	12.50	13.00	152.5	102.5	65	2.0	50	20	C	M3.0/M2.5*14	T6*156	730
KS1301/1350-5D-C20	13.01	13.50	156.0	106.0	68	2.1	50	20	C	M3.0/M2.5*14	T6*156	730
KS1351/1400-5D-C20	13.51	14.00	159.5	109.5	70	2.2	50	20	B	M3.0/M2.5*14	T6*188	730
KS1401/1450-5D-C20	14.01	14.50	163.0	113.0	73	2.2	50	20	B	M3.0/M2.5*14	T6*188	730
KS1451/1499-5D-C20	14.51	14.99	165.5	115.5	75	2.3	50	20	A	M3.0/M2.5*14	T6*188	760
KS1500/1549-5D-C20	15.00	15.49	169.0	119.0	78	2.4	50	20	A	M3.0/M2.5*14	T6*188	760
KS1550/1599-5D-C20	15.50	15.99	172.5	122.5	80	2.5	50	20	A	M3.0/M2.5*14	T6*188	760
KS1600/1649-5D-C20	16.00	16.49	175.0	125.0	83	2.5	50	20	1	M3.5/M2.5*16	1.5*185	860
KS1650/1699-5D-C20	16.50	16.99	178.5	128.5	85	2.6	50	20	1	M3.5/M2.5*16	1.5*185	860
KS1700/1749-5D-C20	17.00	17.49	182.0	132.0	88	2.7	50	20	1	M3.5/M2.5*16	1.5*185	860
KS1750/1800-5D-C20	17.50	18.00	185.0	135.0	90	2.8	50	20	1	M3.5/M2.5*16	1.5*185	860
KS1801/1849-5D-C25	18.01	18.49	195.0	139.0	93	2.9	56	25	2	M4.0/M3.0*19	2.0*210	970
KS1850/1899-5D-C25	18.50	18.99	198.5	142.5	95	2.9	56	25	2	M4.0/M3.0*19	2.0*210	970
KS1900/1949-5D-C25	19.00	19.49	202.0	146.0	98	3.0	56	25	2	M4.0/M3.0*19	2.0*210	970
KS1950/1999-5D-C25	19.50	19.99	204.5	148.5	100	3.1	56	25	2	M4.0/M3.0*19	2.0*210	970
KS2000/2049-5D-C25	20.00	20.49	208.0	152.0	103	3.2	56	25	3	M4.0/M3.0*19	2.0*260	1080
KS2050/2099-5D-C25	20.50	20.99	211.5	155.5	105	3.3	56	25	3	M4.0/M3.0*19	2.0*260	1080
KS2100/2149-5D-C25	21.00	21.49	214.0	158.0	108	3.3	56	25	3	M4.0/M3.0*19	2.0*260	1080
KS2150/2200-5D-C25	21.50	22.00	217.5	161.5	110	3.4	56	25	3	M4.0/M3.0*19	2.0*260	1080
KS2201/2249-5D-C25	22.01	22.49	221.0	165.0	113	3.5	56	25	4	M4.0/M3.0*19	2.0*260	1150
KS2250/2299-5D-C25	22.50	22.99	224.0	168.0	115	3.6	56	25	4	M4.0/M3.0*19	2.0*260	1150
KS2300/2349-5D-C25	23.00	23.49	227.0	171.0	118	3.7	56	25	4	M4.0/M3.0*19	2.0*260	1150
KS2350/2400-5D-C25	23.50	24.00	230.5	174.5	120	3.7	56	25	4	M4.0/M3.0*19	2.0*260	1150
KS2401/2449-5D-C32	24.01	24.49	244.0	184.0	123	3.8	60	32	5	M5.0/M4.0*23	2.5*295	1200
KS2450/2499-5D-C32	24.50	24.99	246.5	186.5	125	3.9	60	32	5	M5.0/M4.0*23	2.5*295	1200
KS2500/2549-5D-C32	25.00	25.49	250.0	190.0	128	3.8	60	32	5	M5.0/M4.0*23	2.5*295	1200
KS2550/2600-5D-C32	25.50	26.00	253.5	193.5	130	3.9	60	32	5	M5.0/M4.0*23	2.5*295	1200

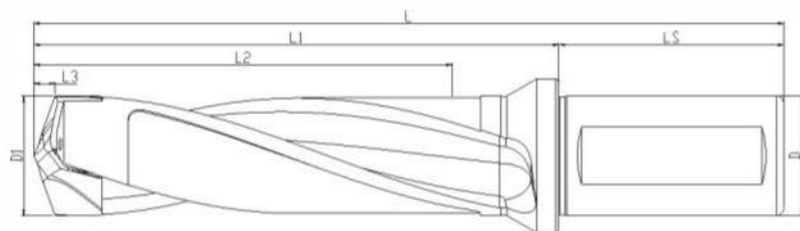
钻杆 Drill Pipe

KS皇冠钻杆 5D KS Crown Drill Rod 5D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size						刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D				
KS2601/2649-5D-C32	26.01	26.49	256.0	196.0	133	4.0	60	32	6	M5.0/M4.0*23	2.5*295	1300
KS2650/2699-5D-C32	26.50	26.99	259.5	199.5	135	4.1	60	32	6	M5.0/M4.0*23	2.5*295	1300
KS2700/2749-5D-C32	27.00	27.49	263.0	203.0	138	4.2	60	32	6	M5.0/M4.0*23	2.5*295	1300
KS2750/2800-5D-C32	27.50	28.00	266.0	206.0	140	4.2	60	32	6	M5.0/M4.0*23	2.5*295	1300
KS2801/2849-5D-C32	28.01	28.49	269.0	209.0	143	4.3	60	32	7	M6.0/M5.0*28	3.0*330	1350
KS2850/2899-5D-C32	28.50	28.99	272.5	212.5	145	4.4	60	32	7	M6.0/M5.0*28	3.0*330	1350
KS2900/2949-5D-C32	29.00	29.49	276.0	216.0	148	4.5	60	32	7	M6.0/M5.0*28	3.0*330	1350
KS2950/3000-5D-C32	29.50	30.00	278.5	218.5	150	4.5	60	32	7	M6.0/M5.0*28	3.0*330	1350
KS3001/3049-5D-C32	30.01	30.49	280.0	220.0	153	4.6	60	32	8	M6.0/M5.0*28	3.0*330	1500
KS3050/3099-5D-C32	30.50	30.99	282.5	222.5	155	4.7	60	32	8	M6.0/M5.0*28	3.0*330	1500
KS3100/3149-5D-C32	31.00	31.49	285.0	225.0	158	4.8	60	32	8	M6.0/M5.0*28	3.0*330	1500
KS3150/3200-5D-C32	31.50	32.00	287.5	227.5	160	4.8	60	32	8	M6.0/M5.0*28	3.0*330	1500
KS3201/3299-5D-C40	32.01	32.99	302.0	232.0	165	4.9	70	40	9	M6.0/M6.0*32	3.0*330	1750
KS3300/3399-5D-C40	33.00	33.99	307.0	237.0	170	5.1	70	40	9	M6.0/M6.0*32	3.0*330	1750
KS3400/3499-5D-C40	34.00	34.99	312.0	242.0	175	5.2	70	40	9	M6.0/M6.0*32	3.0*330	1750
KS3500/3600-5D-C40	35.00	36.00	317.0	247.0	180	5.4	70	40	9	M6.0/M6.0*32	3.0*330	1750
KS3601/3699-5D-C40	36.01	36.99	322.0	252.0	185	5.5	70	40	10	M6.0/M6.0*32	3.0*330	1850
KS3700/3799-5D-C40	37.00	37.99	327.0	257.0	190	5.7	70	40	10	M6.0/M6.0*32	3.0*330	1850
KS3800/3899-5D-C40	38.00	38.99	332.0	262.0	195	5.8	70	40	10	M6.0/M6.0*32	3.0*330	1850
KS3900/4000-5D-C40	39.00	40.00	337.0	267.0	200	6.0	70	40	10	M6.0/M6.0*32	3.0*330	1850
KS4001/4099-5D-C40	40.01	40.99	353.0	283.0	205	6.0	70	40	11	M6.0/M6.0*32	3.0*439	1998
KS4100/4199-5D-C40	41.00	41.99	358.0	288.0	210	6.0	70	40	11	M6.0/M6.0*32	3.0*439	1998
KS4200/4299-5D-C40	42.00	42.99	363.0	293.0	215	6.0	70	40	11	M6.0/M6.0*32	3.0*439	1998
KS4300/4399-5D-C40	43.00	43.99	368.0	298.0	220	6.0	70	40	11	M6.0/M6.0*32	3.0*439	1998
KS4400/4500-5D-C40	44.00	45.00	373.0	303.0	225	6.0	70	40	11	M6.0/M6.0*32	3.0*439	1998
KS4501/4599-5D-C50	45.01	45.99	378.0	308.0	230	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179
KS4600/4699-5D-C50	46.00	46.99	383.0	313.0	235	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179
KS4700/4799-5D-C50	47.00	47.99	388.0	318.0	240	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179
KS4800/4899-5D-C50	48.00	48.99	393.0	323.0	245	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179
KS4900/4999-5D-C50	49.00	49.99	398.0	328.0	250	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179
KS5000/5099-5D-C50	50.00	50.99	403.0	333.0	255	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179
KS5100/5200-5D-C50	51.00	52.00	408.0	338.0	260	6.0	70	50	12	M6.0/M6.0*32	3.0*439	2179

钻杆 Drill Pipe

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻杆 7D KS Crown Drill Rod 7D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size						刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D				
KS1250/1300-7D-C20	12.50	13.00	177.5	127.5	91	2.0	50	20	C	M3.0/M2.5*14	T6*188	870
KS1301/1350-7D-C20	13.01	13.50	182.0	132.0	95	2.1	50	20	C	M3.0/M2.5*14	T6*188	870
KS1351/1400-7D-C20	13.51	14.00	186.5	136.5	98	2.2	50	20	B	M3.0/M2.5*14	T6*230	870
KS1401/1450-7D-C20	14.01	14.50	191.0	141.0	102	2.2	50	20	B	M3.0/M2.5*14	T6*230	870
KS1451/1499-7D-C20	14.51	14.99	194.5	144.5	105	2.3	50	20	A	M3.0/M2.5*14	T6*230	890
KS1500/1549-7D-C20	15.00	15.49	199.0	149.0	109	2.4	50	20	A	M3.0/M2.5*14	T6*230	890
KS1550/1599-7D-C20	15.50	15.99	203.5	153.5	112	2.5	50	20	A	M3.0/M2.5*14	T6*230	890
KS1600/1649-7D-C20	16.00	16.49	207.0	157.0	116	2.5	50	20	1	M3.5/M2.5*16	1.5*225	1000
KS1650/1699-7D-C20	16.50	16.99	211.5	161.5	119	2.6	50	20	1	M3.5/M2.5*16	1.5*225	1000
KS1700/1749-7D-C20	17.00	17.49	216.0	166.0	123	2.7	50	20	1	M3.5/M2.5*16	1.5*225	1000
KS1750/1800-7D-C20	17.50	18.00	220.0	170.0	126	2.8	50	20	1	M3.5/M2.5*16	1.5*225	1000
KS1801/1849-7D-C25	18.01	18.49	231.0	175.0	130	2.9	56	25	2	M4.0/M3.0*19	2.0*260	1130
KS1850/1899-7D-C25	18.50	18.99	235.5	179.5	133	2.9	56	25	2	M4.0/M3.0*19	2.0*260	1130
KS1900/1949-7D-C25	19.00	19.49	240.0	184.0	137	3.0	56	25	2	M4.0/M3.0*19	2.0*260	1130
KS1950/1999-7D-C25	19.50	19.99	243.5	187.5	140	3.1	56	25	2	M4.0/M3.0*19	2.0*260	1130
KS2000/2049-7D-C25	20.00	20.49	248.0	192.0	144	3.2	56	25	3	M4.0/M3.0*19	2.0*260	1250
KS2050/2099-7D-C25	20.50	20.99	252.5	196.5	147	3.3	56	25	3	M4.0/M3.0*19	2.0*260	1250
KS2100/2149-7D-C25	21.00	21.49	256.0	200.0	151	3.3	56	25	3	M4.0/M3.0*19	2.0*260	1250
KS2150/2200-7D-C25	21.50	22.00	260.5	204.5	154	3.4	56	25	3	M4.0/M3.0*19	2.0*260	1250
KS2201/2249-7D-C25	22.01	22.49	265.0	209.0	158	3.5	56	25	4	M4.0/M3.0*19	2.0*343	1350
KS2250/2299-7D-C25	22.50	22.99	269.0	213.0	161	3.6	56	25	4	M4.0/M3.0*19	2.0*343	1350
KS2300/2349-7D-C25	23.00	23.49	273.0	217.0	165	3.7	56	25	4	M4.0/M3.0*19	2.0*343	1350
KS2350/2400-7D-C25	23.50	24.00	277.5	221.5	168	3.7	56	25	4	M4.0/M3.0*19	2.0*343	1350
KS2401/2449-7D-C32	24.01	24.49	292.0	232.0	172	3.8	60	32	5	M5.0/M4.0*23	2.5*393	1400
KS2450/2499-7D-C32	24.50	24.99	295.5	235.5	175	3.9	60	32	5	M5.0/M4.0*23	2.5*393	1400
KS2500/2549-7D-C32	25.00	25.49	300.0	240.0	179	3.8	60	32	5	M5.0/M4.0*23	2.5*393	1400
KS2550/2600-7D-C32	25.50	26.00	304.5	244.5	182	3.9	60	32	5	M5.0/M4.0*23	2.5*393	1400

钻杆 Drill Pipe

KS皇冠钻杆 7D KS Crown Drill Rod 7D

型号 Code No	钻尖直径范围 Drill tip diameter range		尺寸 Size						刀座型号 Knife holder model	中心锁紧螺丝 Center locking screw	扳手 Wrench	面价(RMB) Face value(RMB)
			L	L1	L2	L3	LS	D				
KS2601/2649-7D-C32	26.01	26.49	308.0	248.0	186	4.0	60	32	6	M5.0/M4.0*23	2.5*393	1540
KS2650/2699-7D-C32	26.50	26.99	312.5	252.5	189	4.1	60	32	6	M5.0/M4.0*23	2.5*393	1540
KS2700/2749-7D-C32	27.00	27.49	317.0	257.0	193	4.2	60	32	6	M5.0/M4.0*23	2.5*393	1540
KS2750/2800-7D-C32	27.50	28.00	321.0	261.0	196	4.2	60	32	6	M5.0/M4.0*23	2.5*393	1540
KS2801/2849-7D-C32	28.01	28.49	325.0	265.0	200	4.3	60	32	7	M6.0/M5.0*28	3.0*439	1610
KS2850/2899-7D-C32	28.50	28.99	329.5	269.5	203	4.4	60	32	7	M6.0/M5.0*28	3.0*439	1610
KS2900/2949-7D-C32	29.00	29.49	334.0	274.0	207	4.5	60	32	7	M6.0/M5.0*28	3.0*439	1610
KS2950/3000-7D-C32	29.50	30.00	337.5	277.5	210	4.5	60	32	7	M6.0/M5.0*28	3.0*439	1610
KS3001/3049-7D-C32	30.01	30.49	340.0	280.0	214	4.6	60	32	8	M6.0/M5.0*28	3.0*439	1800
KS3050/3099-7D-C32	30.50	30.99	343.5	283.5	217	4.7	60	32	8	M6.0/M5.0*28	3.0*439	1800
KS3100/3149-7D-C32	31.00	31.49	347.0	287.0	221	4.8	60	32	8	M6.0/M5.0*28	3.0*439	1800
KS3150/3200-7D-C32	31.50	32.00	350.5	290.5	224	4.8	60	32	8	M6.0/M5.0*28	3.0*439	1800
KS3201/3299-7D-C40	32.01	32.99	366.0	296.0	231	4.9	70	40	9	M6.0/M6.0*32	3.0*439	2000
KS3300/3399-7D-C40	33.00	33.99	373.0	303.0	238	5.1	70	40	9	M6.0/M6.0*32	3.0*439	2000
KS3400/3499-7D-C40	34.00	34.99	380.0	310.0	245	5.2	70	40	9	M6.0/M6.0*32	3.0*439	2000
KS3500/3600-7D-C40	35.00	36.00	387.0	317.0	252	5.4	70	40	9	M6.0/M6.0*32	3.0*439	2000
KS3601/3699-7D-C40	36.01	36.99	394.0	324.0	259	5.5	70	40	10	M6.0/M6.0*32	3.0*439	2160
KS3700/3799-7D-C40	37.00	37.99	401.0	331.0	266	5.7	70	40	10	M6.0/M6.0*32	3.0*439	2160
KS3800/3899-7D-C40	38.00	38.99	408.0	338.0	273	5.8	70	40	10	M6.0/M6.0*32	3.0*439	2160
KS3900/4000-7D-C40	39.00	40.00	415.0	345.0	280	6.0	70	40	10	M6.0/M6.0*32	3.0*439	2160
KS4001/4099-7D-C40	40.01	40.99	433.0	363.0	287	6.0	70	40	11	M6.0/M6.0*32	3.0*530	2355
KS4100/4199-7D-C40	41.00	41.99	440.0	370.0	294	6.0	70	40	11	M6.0/M6.0*32	3.0*530	2355
KS4200/4299-7D-C40	42.00	42.99	447.0	377.0	301	6.0	70	40	11	M6.0/M6.0*32	3.0*530	2355
KS4300/4399-7D-C40	43.00	43.99	454.0	384.0	308	6.0	70	40	11	M6.0/M6.0*32	3.0*530	2355
KS4400/4500-7D-C40	44.00	45.00	461.0	391.0	315	6.0	70	40	11	M6.0/M6.0*32	3.0*530	2355
KS4501/4599-7D-C50	45.01	45.99	468.0	398.0	322	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543
KS4600/4699-7D-C50	46.00	46.99	475.0	405.0	329	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543
KS4700/4799-7D-C50	47.00	47.99	482.0	412.0	336	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543
KS4800/4899-7D-C50	48.00	48.99	489.0	419.0	343	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543
KS4900/4999-7D-C50	49.00	49.99	496.0	426.0	350	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543
KS5000/5099-7D-C50	50.00	50.99	503.0	433.0	357	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543
KS5100/5200-7D-C50	51.00	52.00	510.0	440.0	364	6.0	70	50	12	M6.0/M6.0*32	3.0*530	2543

皇冠钻钻头型号编码规则

Code Rules for Crown Drill Tip Models

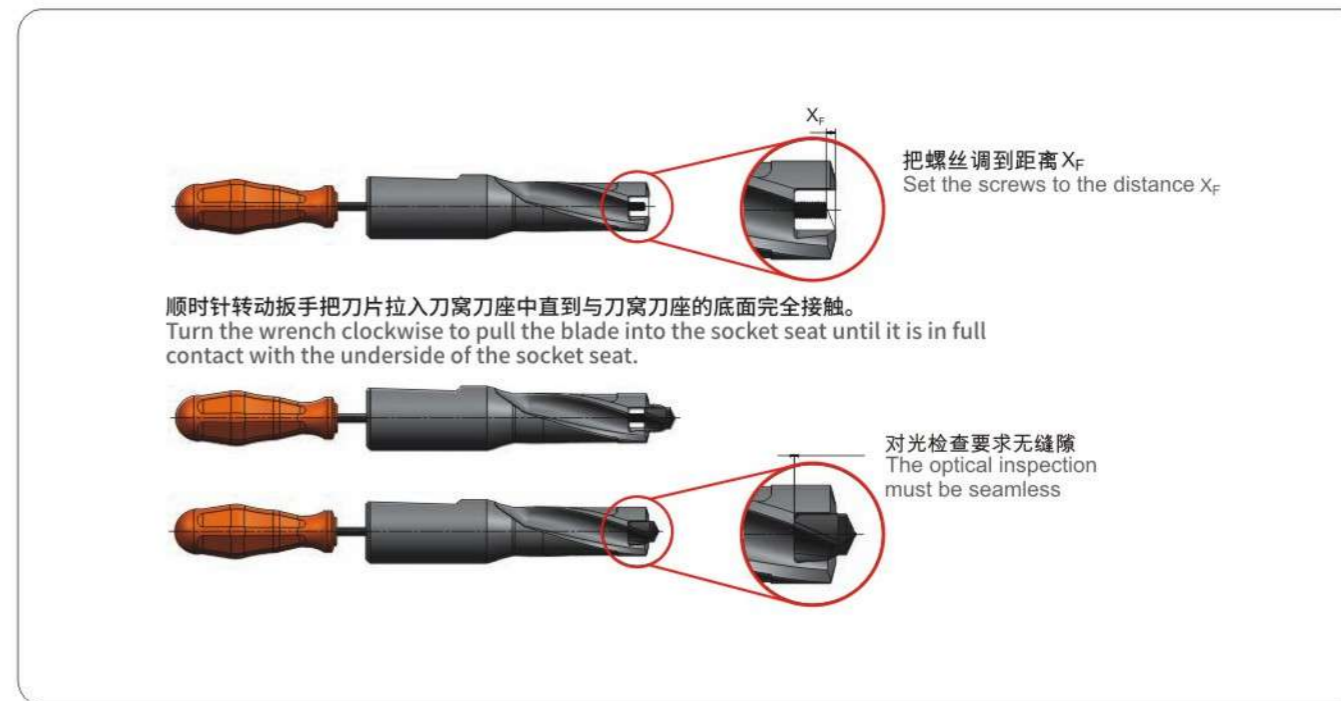
KS1250-C-KPM45-P-HE

钻头系列 Drill point series	钻头直径 Diameter of drill point	匹配刀座 Matching tool holder	钻头材质 Drill point material	钻头类型 Drill point type	涂层 Coating
KS系列钻头	12.50mm	C	KPM45 · KPM45 切削刃可在钢材料苛刻条件加工中提高加工效率并延长刀具寿命。 · KPM45 采用韧性最佳的细晶粒硬质合金基体, 同时采用先进的TiAlN涂层。该产品可以在极苛刻条件下对钢材料进行加工。	P (通用槽型) 肯纳HPCM	HE
		B			
		A			
		1			
		2	KMS35 · KMS35 采用韧性最佳的细晶粒硬质合金基体, 同时采用 AI 含量高的 TiAlN 涂层 · 这种材质具有很好的耐磨性和氧化安定性, 同时其钻尖和切削刃部位具有卓越的抗崩刃性。	S (不锈钢槽型) 肯纳SPLM	PT
		3			
		4			
		5			
		6			
		7			
		8			
		9			
10	K7410 · K7410 材质在各种铸铁材料加工应用中可以延长刀具寿命, 并提高加工稳定性。它可以提高进给力, 提高生产率。 · 是一种采用以 AlCr 为主的复合涂层的细晶粒硬质合金材质。它具有非常好的热硬性, 在铸铁材料加工中有出色的耐磨性	K (铸铁槽型) 肯纳HPCCLM	AlCr		
11					
12					

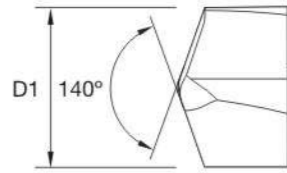
直径范围D Diameter range	刀座尺寸 Cutter seat size	钻头修磨最低值 Minimum value of drilling point trimming	
		最新值L1 Latest value	修磨最低值L Minimum grinding value
Ø12.50-13.50	C	9.6	8.4
Ø13.51-14.50	B	10.1	8.8
Ø14.51-15.99	A	10.6	9.3
Ø16.00-18.00	1	11.6	10.2
Ø18.01-19.99	2	12.6	11.1
Ø20.00-22.00	3	13.6	12.0
Ø22.01-24.00	4	14.6	13.0
Ø24.01-26.00	5	15.6	13.8
Ø26.01-28.00	6	16.6	14.7
Ø28.01-30.00	7	17.6	15.6
Ø30.01-32.00	8	18.6	16.5
Ø32.01-36.00	9	20.6	18.3
Ø36.01-40.00	10	22.6	20.1

钻头的安装方法

Installation method of drill tip



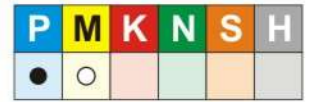
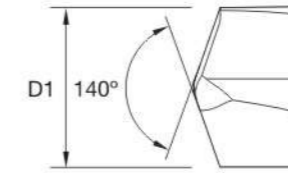
1. 穿戴好护具, 保护好您的眼睛和手。用压缩空气清洁刀片位和中心锁紧螺丝孔。
Wear protective gear to protect your eyes and hands. Clean the blade position and center lock screw hole with compressed air.
2. 使用扳对手对中心锁紧螺丝进行高度设置。
Use a wrench to set the height of the center locking screw.
- 钻头小于Ø32以下, 中心锁紧螺丝对齐钻杆最高点。
Drill point less than. Below 32, align the center lock screw with the highest point of the drill pipe
- 钻头大于Ø32以上, 中心锁紧螺丝比钻杆最高点低2mm
Drill point greater than. Above 32, the center lock screw is 2mm lower than the highest point of the drill pipe
3. 把钻头装入刀片座, 使用扳手顺时针旋转中心锁紧螺丝,
Put the drill point into the blade seat, turn the center locking screw clockwise with the wrench,
直至钻头底面与钻杆刀片位平面完全贴合。
Until the bottom surface of the drill point is fully fitted to the position plane of the drill pipe blade.
4. 卸下钻头时, 逆时针旋转, 直至钻头松开。
When removing the drill point, turn it counterclockwise until the drill point is released.
5. 小规格扳手不宜用力过猛, 小心拆装!
Small size wrench should not be too hard, careful disassembly!
6. 中心锁紧螺丝损坏联系厂家咨询维修。
The center lock screw is damaged. Contact the manufacturer for consultation and maintenance.



KPM45-P 通用槽型硬质合金钻头

KPM45-P universal slot type hard alloy drill tip

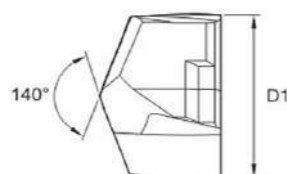
型号 Code No	钻头直径 Drill tip diameter	匹配刀座 Matching tool holder	钻头材质 Drill tip material	钻头类型 Drill tip type	涂层 coating	中心锁紧螺丝 Center locking screw	面价(RMB) Facevalue(RMB)
KS1250-C-KPM45-P	12.50	C	KPM45	P	HE	M2.5	232
KS1300-C-KPM45-P	13.00	C	KPM45	P	HE	M2.5	232
KS1350-C-KPM45-P	13.50	C	KPM45	P	HE	M2.5	232
KS1400-B-KPM45-P	14.00	B	KPM45	P	HE	M2.5	248
KS1450-B-KPM45-P	14.50	B	KPM45	P	HE	M2.5	248
KS1500-A-KPM45-P	15.00	A	KPM45	P	HE	M2.5	278
KS1550-A-KPM45-P	15.50	A	KPM45	P	HE	M2.5	278
KS1600-1-KPM45-P	16.00	1	KPM45	P	HE	M2.5	316
KS1650-1-KPM45-P	16.50	1	KPM45	P	HE	M2.5	316
KS1700-1-KPM45-P	17.00	1	KPM45	P	HE	M2.5	316
KS1750-1-KPM45-P	17.50	1	KPM45	P	HE	M2.5	316
KS1800-1-KPM45-P	18.00	1	KPM45	P	HE	M2.5	316
KS1850-2-KPM45-P	18.50	2	KPM45	P	HE	M3.0或M2.5	358
KS1900-2-KPM45-P	19.00	2	KPM45	P	HE	M3.0或M2.5	358
KS1950-2-KPM45-P	19.50	2	KPM45	P	HE	M3.0或M2.5	358
KS2000-3-KPM45-P	20.00	3	KPM45	P	HE	M3.0	400
KS2050-3-KPM45-P	20.50	3	KPM45	P	HE	M3.0	400
KS2100-3-KPM45-P	21.00	3	KPM45	P	HE	M3.0	400
KS2150-3-KPM45-P	21.50	3	KPM45	P	HE	M3.0	400
KS2200-3-KPM45-P	22.00	3	KPM45	P	HE	M3.0	400
KS2250-4-KPM45-P	22.50	4	KPM45	P	HE	M3.0	446
KS2300-4-KPM45-P	23.00	4	KPM45	P	HE	M3.0	446
KS2350-4-KPM45-P	23.50	4	KPM45	P	HE	M3.0	446
KS2400-4-KPM45-P	24.00	4	KPM45	P	HE	M3.0	446
KS2450-5-KPM45-P	24.50	5	KPM45	P	HE	M4.0	506
KS2500-5-KPM45-P	25.00	5	KPM45	P	HE	M4.0	506
KS2550-5-KPM45-P	25.50	5	KPM45	P	HE	M4.0	506
KS2600-5-KPM45-P	26.00	5	KPM45	P	HE	M4.0	506
KS2650-6-KPM45-P	26.50	6	KPM45	P	HE	M4.0	574
KS2700-6-KPM45-P	27.00	6	KPM45	P	HE	M4.0	574
KS2750-6-KPM45-P	27.50	6	KPM45	P	HE	M4.0	574
KS2800-6-KPM45-P	28.00	6	KPM45	P	HE	M4.0	574
KS2850-7-KPM45-P	28.50	7	KPM45	P	HE	M5.0	632
KS2900-7-KPM45-P	29.00	7	KPM45	P	HE	M5.0	632



KPM45-P 通用槽型硬质合金钻头

KPM45-P universal slot type hard alloy drill tip

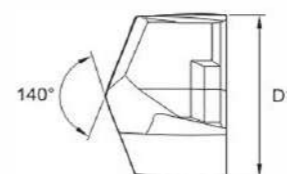
型号 Code No	钻头直径 Drill tip diameter	匹配刀座 Matching tool holder	钻头材质 Drill tip material	钻头类型 Drill tip type	涂层 coating	中心锁紧螺丝 Center locking screw	面价(RMB) Facevalue(RMB)
KS2950-7-KPM45-P	29.50	7	KPM45	P	HE	M5.0	632
KS3000-7-KPM45-P	30.00	7	KPM45	P	HE	M5.0	632
KS3050-8-KPM45-P	30.50	8	KPM45	P	HE	M5.0	674
KS3100-8-KPM45-P	31.00	8	KPM45	P	HE	M5.0	674
KS3150-8-KPM45-P	31.50	8	KPM45	P	HE	M5.0	674
KS3200-8-KPM45-P	32.00	8	KPM45	P	HE	M5.0	674
KS3250-9-KPM45-P	32.50	9	KPM45	P	HE	M6.0	744
KS3300-9-KPM45-P	33.00	9	KPM45	P	HE	M6.0	744
KS3350-9-KPM45-P	33.50	9	KPM45	P	HE	M6.0	744
KS3400-9-KPM45-P	34.00	9	KPM45	P	HE	M6.0	744
KS3450-9-KPM45-P	34.50	9	KPM45	P	HE	M6.0	744
KS3500-9-KPM45-P	35.00	9	KPM45	P	HE	M6.0	744
KS3550-9-KPM45-P	35.50	9	KPM45	P	HE	M6.0	744
KS3600-9-KPM45-P	36.00	9	KPM45	P	HE	M6.0	744
KS3650-10-KPM45-P	36.50	10	KPM45	P	HE	M6.0	786
KS3700-10-KPM45-P	37.00	10	KPM45	P	HE	M6.0	786
KS3750-10-KPM45-P	37.50	10	KPM45	P	HE	M6.0	786
KS3800-10-KPM45-P	38.00	10	KPM45	P	HE	M6.0	786
KS3850-10-KPM45-P	38.50	10	KPM45	P	HE	M6.0	786
KS3900-10-KPM45-P	39.00	10	KPM45	P	HE	M6.0	786
KS3950-10-KPM45-P	39.50	10	KPM45	P	HE	M6.0	786
KS4000-10-KPM45-P	40.00	10	KPM45	P	HE	M6.0	786
KS4100-11-KPM45-P	41.00	11	KPM45	P	HE	M6.0	836
KS4200-11-KPM45-P	42.00	11	KPM45	P	HE	M6.0	836
KS4300-11-KPM45-P	43.00	11	KPM45	P	HE	M6.0	836
KS4400-11-KPM45-P	44.00	11	KPM45	P	HE	M6.0	836
KS4500-11-KPM45-P	45.00	11	KPM45	P	HE	M6.0	836
KS4600-12-KPM45-P	46.00	12	KPM45	P	HE	M6.0	870
KS4700-12-KPM45-P	47.00	12	KPM45	P	HE	M6.0	870
KS4800-12-KPM45-P	48.00	12	KPM45	P	HE	M6.0	870
KS4900-12-KPM45-P	49.00	12	KPM45	P	HE	M6.0	870
KS5000-12-KPM45-P	50.00	12	KPM45	P	HE	M6.0	870
KS5100-12-KPM45-P	51.00	12	KPM45	P	HE	M6.0	870
KS5200-12-KPM45-P	52.00	12	KPM45	P	HE	M6.0	870



KMS35-S 不锈钢槽型硬质合金钻头

KMS35-S stainless steel groove type hard alloy drill tip

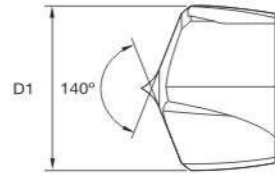
型号 Code No	钻头直径 Drill tip diameter	匹配刀座 Matching tool holder	钻头材质 Drill tip material	钻头类型 Drill tip type	涂层 coating	中心锁紧螺丝 Center locking screw	面价(RMB) Facevalue(RMB)
KS1250-C-KMS35-S	12.50	C	KMS35	S	PT	M2.5	232
KS1300-C-KMS35-S	13.00	C	KMS35	S	PT	M2.5	232
KS1350-C-KMS35-S	13.50	C	KMS35	S	PT	M2.5	232
KS1400-B-KMS35-S	14.00	B	KMS35	S	PT	M2.5	248
KS1450-B-KMS35-S	14.50	B	KMS35	S	PT	M2.5	248
KS1500-A-KMS35-S	15.00	A	KMS35	S	PT	M2.5	278
KS1550-A-KMS35-S	15.50	A	KMS35	S	PT	M2.5	278
KS1600-1-KMS35-S	16.00	1	KMS35	S	PT	M2.5	316
KS1650-1-KMS35-S	16.50	1	KMS35	S	PT	M2.5	316
KS1700-1-KMS35-S	17.00	1	KMS35	S	PT	M2.5	316
KS1750-1-KMS35-S	17.50	1	KMS35	S	PT	M2.5	316
KS1800-1-KMS35-S	18.00	1	KMS35	S	PT	M2.5	316
KS1850-2-KMS35-S	18.50	2	KMS35	S	PT	M3.0或M2.5	358
KS1900-2-KMS35-S	19.00	2	KMS35	S	PT	M3.0或M2.5	358
KS1950-2-KMS35-S	19.50	2	KMS35	S	PT	M3.0或M2.5	358
KS2000-3-KMS35-S	20.00	3	KMS35	S	PT	M3.0	400
KS2050-3-KMS35-S	20.50	3	KMS35	S	PT	M3.0	400
KS2100-3-KMS35-S	21.00	3	KMS35	S	PT	M3.0	400
KS2150-3-KMS35-S	21.50	3	KMS35	S	PT	M3.0	400
KS2200-3-KMS35-S	22.00	3	KMS35	S	PT	M3.0	400
KS2250-4-KMS35-S	22.50	4	KMS35	S	PT	M3.0	446
KS2300-4-KMS35-S	23.00	4	KMS35	S	PT	M3.0	446
KS2350-4-KMS35-S	23.50	4	KMS35	S	PT	M3.0	446
KS2400-4-KMS35-S	24.00	4	KMS35	S	PT	M3.0	446
KS2450-5-KMS35-S	24.50	5	KMS35	S	PT	M4.0	506
KS2500-5-KMS35-S	25.00	5	KMS35	S	PT	M4.0	506
KS2550-5-KMS35-S	25.50	5	KMS35	S	PT	M4.0	506
KS2600-5-KMS35-S	26.00	5	KMS35	S	PT	M4.0	506
KS2650-6-KMS35-S	26.50	6	KMS35	S	PT	M4.0	574
KS2700-6-KMS35-S	27.00	6	KMS35	S	PT	M4.0	574
KS2750-6-KMS35-S	27.50	6	KMS35	S	PT	M4.0	574
KS2800-6-KMS35-S	28.00	6	KMS35	S	PT	M4.0	574
KS2850-7-KMS35-S	28.50	7	KMS35	S	PT	M5.0	632
KS2900-7-KMS35-S	29.00	7	KMS35	S	PT	M5.0	632



KMS35-S 不锈钢槽型硬质合金钻头

KMS35-S stainless steel groove type hard alloy drill tip

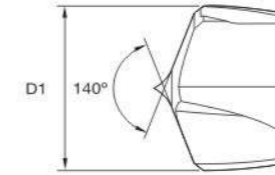
型号 Code No	钻头直径 Drill tip diameter	匹配刀座 Matching tool holder	钻头材质 Drill tip material	钻头类型 Drill tip type	涂层 coating	中心锁紧螺丝 Center locking screw	面价(RMB) Facevalue(RMB)
KS2950-7-KMS35-S	29.50	7	KMS35	S	PT	M5.0	632
KS3000-7-KMS35-S	30.00	7	KMS35	S	PT	M5.0	632
KS3050-8-KMS35-S	30.50	8	KMS35	S	PT	M5.0	674
KS3100-8-KMS35-S	31.00	8	KMS35	S	PT	M5.0	674
KS3150-8-KMS35-S	31.50	8	KMS35	S	PT	M5.0	674
KS3200-8-KMS35-S	32.00	8	KMS35	S	PT	M5.0	674
KS3250-9-KMS35-S	32.50	9	KMS35	S	PT	M6.0	744
KS3300-9-KMS35-S	33.00	9	KMS35	S	PT	M6.0	744
KS3350-9-KMS35-S	33.50	9	KMS35	S	PT	M6.0	744
KS3400-9-KMS35-S	34.00	9	KMS35	S	PT	M6.0	744
KS3450-9-KMS35-S	34.50	9	KMS35	S	PT	M6.0	744
KS3500-9-KMS35-S	35.00	9	KMS35	S	PT	M6.0	744
KS3550-9-KMS35-S	35.50	9	KMS35	S	PT	M6.0	744
KS3600-9-KMS35-S	36.00	9	KMS35	S	PT	M6.0	744
KS3650-10-KMS35-S	36.50	10	KMS35	S	PT	M6.0	786
KS3700-10-KMS35-S	37.00	10	KMS35	S	PT	M6.0	786
KS3750-10-KMS35-S	37.50	10	KMS35	S	PT	M6.0	786
KS3800-10-KMS35-S	38.00	10	KMS35	S	PT	M6.0	786
KS3850-10-KMS35-S	38.50	10	KMS35	S	PT	M6.0	786
KS3900-10-KMS35-S	39.00	10	KMS35	S	PT	M6.0	786
KS3950-10-KMS35-S	39.50	10	KMS35	S	PT	M6.0	786
KS4000-10-KMS35-S	40.00	10	KMS35	S	PT	M6.0	786
KS4100-11-KMS35-S	41.00	11	KMS35	S	PT	M6.0	836
KS4200-11-KMS35-S	42.00	11	KMS35	S	PT	M6.0	836
KS4300-11-KMS35-S	43.00	11	KMS35	S	PT	M6.0	836
KS4400-11-KMS35-S	44.00	11	KMS35	S	PT	M6.0	836
KS4500-11-KMS35-S	45.00	11	KMS35	S	PT	M6.0	836
KS4600-12-KMS35-S	46.00	12	KMS35	S	PT	M6.0	870
KS4700-12-KMS35-S	47.00	12	KMS35	S	PT	M6.0	870
KS4800-12-KMS35-S	48.00	12	KMS35	S	PT	M6.0	870
KS4900-12-KMS35-S	49.00	12	KMS35	S	PT	M6.0	870
KS5000-12-KMS35-S	50.00	12	KMS35	S	PT	M6.0	870
KS5100-12-KMS35-S	51.00	12	KMS35	S	PT	M6.0	870
KS5200-12-KMS35-S	52.00	12	KMS35	S	PT	M6.0	870



K7410-K 铸铁槽型硬质合金钻头

K7410-K cast iron groove type hard alloy drill tip

型号 Code No	钻头直径 Drill tip diameter	匹配刀座 Matching tool holder	钻头材质 Drill tip material	钻头类型 Drill tip type	涂层 coating	中心锁紧螺丝 Center locking screw	面价(RMB) Facevalue(RMB)
KS1250-C-K7410-K	12.50	C	K7410	K	AlCr	M2.5	232
KS1300-C-K7410-K	13.00	C	K7410	K	AlCr	M2.5	232
KS1350-C-K7410-K	13.50	C	K7410	K	AlCr	M2.5	232
KS1400-B-K7410-K	14.00	B	K7410	K	AlCr	M2.5	248
KS1450-B-K7410-K	14.50	B	K7410	K	AlCr	M2.5	248
KS1500-A-K7410-K	15.00	A	K7410	K	AlCr	M2.5	278
KS1550-A-K7410-K	15.50	A	K7410	K	AlCr	M2.5	278
KS1600-1-K7410-K	16.00	1	K7410	K	AlCr	M2.5	316
KS1650-1-K7410-K	16.50	1	K7410	K	AlCr	M2.5	316
KS1700-1-K7410-K	17.00	1	K7410	K	AlCr	M2.5	316
KS1750-1-K7410-K	17.50	1	K7410	K	AlCr	M2.5	316
KS1800-1-K7410-K	18.00	1	K7410	K	AlCr	M2.5	316
KS1850-2-K7410-K	18.50	2	K7410	K	AlCr	M3.0或M2.5	358
KS1900-2-K7410-K	19.00	2	K7410	K	AlCr	M3.0或M2.5	358
KS1950-2-K7410-K	19.50	2	K7410	K	AlCr	M3.0或M2.5	358
KS2000-3-K7410-K	20.00	3	K7410	K	AlCr	M3.0	400
KS2050-3-K7410-K	20.50	3	K7410	K	AlCr	M3.0	400
KS2100-3-K7410-K	21.00	3	K7410	K	AlCr	M3.0	400
KS2150-3-K7410-K	21.50	3	K7410	K	AlCr	M3.0	400
KS2200-3-K7410-K	22.00	3	K7410	K	AlCr	M3.0	400
KS2250-4-K7410-K	22.50	4	K7410	K	AlCr	M3.0	446
KS2300-4-K7410-K	23.00	4	K7410	K	AlCr	M3.0	446
KS2350-4-K7410-K	23.50	4	K7410	K	AlCr	M3.0	446
KS2400-4-K7410-K	24.00	4	K7410	K	AlCr	M3.0	446
KS2450-5-K7410-K	24.50	5	K7410	K	AlCr	M4.0	506
KS2500-5-K7410-K	25.00	5	K7410	K	AlCr	M4.0	506
KS2550-5-K7410-K	25.50	5	K7410	K	AlCr	M4.0	506
KS2600-5-K7410-K	26.00	5	K7410	K	AlCr	M4.0	506
KS2650-6-K7410-K	26.50	6	K7410	K	AlCr	M4.0	574
KS2700-6-K7410-K	27.00	6	K7410	K	AlCr	M4.0	574
KS2750-6-K7410-K	27.50	6	K7410	K	AlCr	M4.0	574
KS2800-6-K7410-K	28.00	6	K7410	K	AlCr	M4.0	574
KS2850-7-K7410-K	28.50	7	K7410	K	AlCr	M5.0	632
KS2900-7-K7410-K	29.00	7	K7410	K	AlCr	M5.0	632



K7410-K 铸铁槽型硬质合金钻头

K7410-K cast iron groove type hard alloy drill tip

型号 Code No	钻头直径 Drill tip diameter	匹配刀座 Matching tool holder	钻头材质 Drill tip material	钻头类型 Drill tip type	涂层 coating	中心锁紧螺丝 Center locking screw	面价(RMB) Facevalue(RMB)
KS2950-7-K7410-K	29.50	7	K7410	K	AlCr	M5.0	632
KS3000-7-K7410-K	30.00	7	K7410	K	AlCr	M5.0	632
KS3050-8-K7410-K	30.50	8	K7410	K	AlCr	M5.0	674
KS3100-8-K7410-K	31.00	8	K7410	K	AlCr	M5.0	674
KS3150-8-K7410-K	31.50	8	K7410	K	AlCr	M5.0	674
KS3200-8-K7410-K	32.00	8	K7410	K	AlCr	M5.0	674
KS3250-9-K7410-K	32.50	9	K7410	K	AlCr	M6.0	744
KS3300-9-K7410-K	33.00	9	K7410	K	AlCr	M6.0	744
KS3350-9-K7410-K	33.50	9	K7410	K	AlCr	M6.0	744
KS3400-9-K7410-K	34.00	9	K7410	K	AlCr	M6.0	744
KS3450-9-K7410-K	34.50	9	K7410	K	AlCr	M6.0	744
KS3500-9-K7410-K	35.00	9	K7410	K	AlCr	M6.0	744
KS3550-9-K7410-K	35.50	9	K7410	K	AlCr	M6.0	744
KS3600-9-K7410-K	36.00	9	K7410	K	AlCr	M6.0	744
KS3650-10-K7410-K	36.50	10	K7410	K	AlCr	M6.0	786
KS3700-10-K7410-K	37.00	10	K7410	K	AlCr	M6.0	786
KS3750-10-K7410-K	37.50	10	K7410	K	AlCr	M6.0	786
KS3800-10-K7410-K	38.00	10	K7410	K	AlCr	M6.0	786
KS3850-10-K7410-K	38.50	10	K7410	K	AlCr	M6.0	786
KS3900-10-K7410-K	39.00	10	K7410	K	AlCr	M6.0	786
KS3950-10-K7410-K	39.50	10	K7410	K	AlCr	M6.0	786
KS4000-10-K7410-K	40.00	10	K7410	K	AlCr	M6.0	786
KS4100-11-K7410-K	41.00	11	KPM45	K	AlCr	M6.0	836
KS4200-11-K7410-K	42.00	11	KPM45	K	AlCr	M6.0	836
KS4300-11-K7410-K	43.00	11	KPM45	K	AlCr	M6.0	836
KS4400-11-K7410-K	44.00	11	KPM45	K	AlCr	M6.0	836
KS4500-11-K7410-K	45.00	11	KPM45	K	AlCr	M6.0	836
KS4600-12-K7410-K	46.00	12	KPM45	K	AlCr	M6.0	870
KS4700-12-K7410-K	47.00	12	KPM45	K	AlCr	M6.0	870
KS4800-12-K7410-K	48.00	12	KPM45	K	AlCr	M6.0	870
KS4900-12-K7410-K	49.00	12	KPM45	K	AlCr	M6.0	870
KS5000-12-K7410-K	50.00	12	KPM45	K	AlCr	M6.0	870
KS5100-12-K7410-K	51.00	12	KPM45	K	AlCr	M6.0	870
KS5200-12-K7410-K	52.00	12	KPM45	K	AlCr	M6.0	870

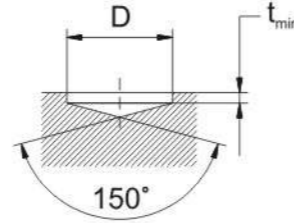
引导孔钻头 应用数据

Guide hole drill point application data

工件表面不平整或者7D以上建议预加工引导孔
The surface of the workpiece is uneven or more than 7D is recommended for pre-machining guide holes

引孔建议 Pilot hole proposal

钻头直径(mm) Bit diameter (mm)	引导孔深度 (t) Guide hole depth (t)
ø12.50-19.99	1mm
ø20.00-32.00	1.5mm
ø32.01-40.00	2mm



内冷压力要求

Internal cooling pressure requirements

内冷应用参数

Internal cooling Application parameters

最小冷却液量 (升/每分钟)

Minimum coolant volume (L/min)

1bar=1.02公斤力/平方厘米

钻头直径(mm)	钻头长径比 Bit length to diameter ratio					
	1-3D	5D	7D	8.5D	10D	<12D
内冷压力要求	8 bar	12 bar	20 bar	25 bar	30 bar	50 bar
ø12.50~13.50	5	6	8	9	9	12
ø13.51~14.50	6	7	10	11	12	15
ø14.51~15.99	8	10	13	15	17	21
ø16.00~18.00	10	12	15	17	18	25
ø18.01~19.99	12	14	18	21	23	29
ø20.00~22.00	14	16	20	23	26	33
ø22.01~24.00	15	18	23	26	29	37
ø24.01~26.00	17	20	26	29	32	41
ø26.01~28.00	18	22	29	32	35	45
ø28.01~30.00	20	25	32	35	39	51
ø30.01~32.00	23	29	37	41	45	59
ø32.01~36.00	27	33	43	47	52	67
ø36.01~40.00	30	37	48	53	58	73

注意:外冷只建议小于3倍径的钻头使用, 不建议干切。

Note: External cooling is only recommended for drill bits less than 3 times diameter, and dry cutting is not recommended.

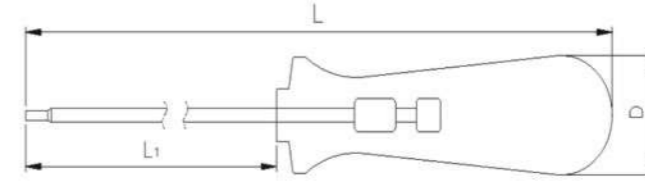
钻头公差值

Drill Tip Tolerance Values

KS皇冠钻硬质合金钻头公差值 KS Crown Diamond Hard Alloy Drill Tip Tolerance Values	
钻头直径D1 Drill diameter D1	公差h8 Tolerance h8
ø12.5-18	0.00/-0.03
ø18.01-30	0.00/-0.35
ø30.01-40	0.00/-0.04

KS皇冠钻扳手规格型号

KS Crown Diamond Wrench Specification and Model



SK皇冠钻扳手型号规格表 SK Crown Diamond Wrench Model Specification Table					
扳手型号 Wrench model	L	L1	手柄直径 Handle diameter	匹配刀座 Matching tool holder	匹配螺丝 Matching screws
T6*156	208	156	15.7	C B A	M3.0/M2.5*14
T6*188	240	188			
T6*230	282	230			
T6*291	343	291			
1.5*185	267	185	24.7	1	M3.5/M2.5*16
1.5*225	307	225			
1.5*297	379	297			
1.5*350	432	350			
2.0*210	292	210	24.7	2 3 4	M4.0/M3.0*19
2.0*260	342	260			
2.0*343	425	343			
2.0*410	492	410			
2.5*240	335	240	28.6	5 6	M5.0/M4.0*23
2.5*295	390	295			
2.5*393	488	393			
2.5*460	555	460			
3.0*265	360	265	28.6	7 8 9 10 11 12	M6.0/M5.0*28 M6.0/M6.0*32
3.0*330	425	330			
3.0*439	534	439			
3.0*530	625	530			
3.0*600	695	600			
3.0*680	775	680			
3.0*770	865	770			

KS皇冠钻钻杆配件规格 KS Crown Drill pipe fittings specification									
直径 Diameter	匹配刀座尺寸 Match the cutter seat size	中心锁紧螺丝 Center locking screw	扳手规格 Wrench specifications						
			1.5D	3D	5D	7D	8.5D	10D	12D
ø12.50~13.50	C	M3.0/M2.5*14	T6*156	T6*156	T6*156	T6*188	T6*230	T6*230	T6*291
ø13.51~14.50	B	M3.0/M2.5*14	T6*156	T6*156	T6*188	T6*230	T6*230	T6*230	T6*291
ø14.51~15.99	A	M3.0/M2.5*14	T6*156	T6*156	T6*188	T6*230	T6*230	T6*291	T6*291
ø16.00~18.00	1	M3.5/M2.5*16	1.5*185	1.5*185	1.5*185	1.5*225	1.5*297	1.5*297	1.5*350
ø18.01~19.99	2	M4.0/M3.0*19	2.0*210	2.0*210	2.0*210	2.0*260	2.0*343	2.0*343	2.0*410
ø20.00~22.00	3	M4.0/M3.0*19	2.0*210	2.0*210	2.0*260	2.0*260	2.0*343	2.0*343	2.0*410
ø22.01~24.00	4	M4.0/M3.0*19	2.0*210	2.0*210	2.0*260	2.0*343	2.0*343	2.0*343	2.0*410
ø24.01~26.00	5	M5.0/M4.0*23	2.5*240	2.5*240	2.5*295	2.5*393	2.5*393	2.5*393	2.5*460
ø26.01~28.00	6	M5.0/M4.0*23	2.5*240	2.5*240	2.5*295	2.5*393	2.5*393	2.5*393	2.5*460
ø28.01~30.00	7	M6.0/M5.0*28	3.0*265	3.0*265	3.0*330	3.0*439	3.0*439	3.0*439	3.0*530
ø30.01~32.00	8	M6.0/M5.0*28	3.0*265	3.0*265	3.0*330	3.0*439	3.0*439	3.0*439	3.0*530
ø32.01~36.00	9	M6.0/M6.0*32	3.0*265	3.0*265	3.0*330	3.0*439	3.0*439	3.0*530	3.0*600
ø36.01~40.00	10	M6.0/M6.0*32	3.0*265	3.0*265	3.0*330	3.0*439	3.0*530	3.0*530	3.0*600
ø40.01~45.00	11	M6.0/M6.0*32	3.0*265	3.0*330	3.0*439	3.0*530	3.0*530	3.0*600	3.0*680
ø45.01~52.00	12	M6.0/M6.0*32	3.0*265	3.0*330	3.0*439	3.0*530	3.0*600	3.0*680	3.0*770

加工条件和刀具信息

PROCESSING CONDITIONS AND TOOL INFORMATION

孔 HOLE

- 通孔 THROUGH HOLE 盲孔 BLIND HOLE

要求孔径: _____ mm 钻孔深度: _____ mm

APERTURE DEPTH

加工方法 PROCESSING METHODS

- 湿式 WET 干式 DRY

冷却方式 COOLING

- 外冷 EXTERNAL COOLING 内冷 COOLED

硬度 HARDNESS (HRC, HB) _____ 抗拉强度 TENSILE STRENGTH (N/mm2) _____

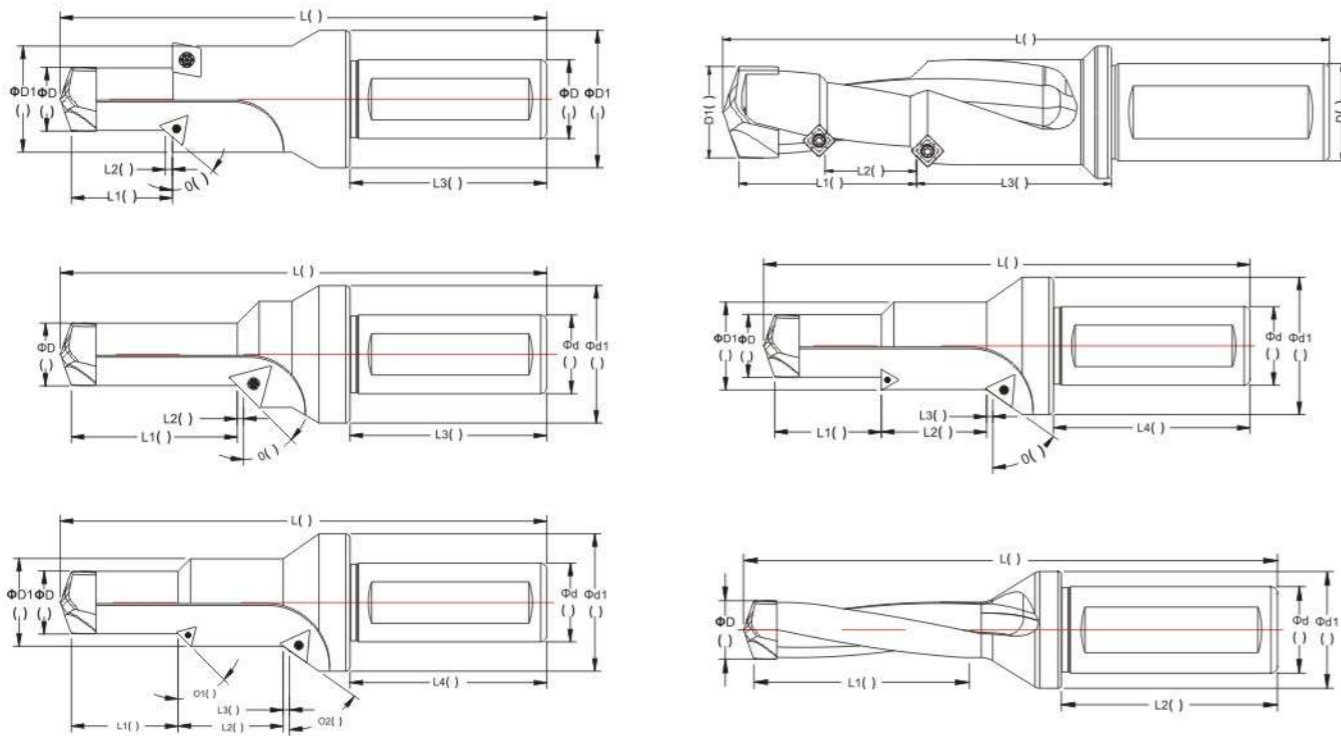
使用机床 MACHINE _____

被加工材料 MATERIAL TO BE PROCESSED

- | | |
|--|---|
| <input type="checkbox"/> 碳素钢 CARBON | <input type="checkbox"/> 铜合金 COPPER ALLOY |
| <input type="checkbox"/> 合金钢 ALLOY STEEL | <input type="checkbox"/> 淬硬钢 HARDENED STEEL |
| <input type="checkbox"/> 不锈钢 STAINLESS STEEL | <input type="checkbox"/> 镍合金 NICKEL ALLOY |
| <input type="checkbox"/> 铸铁 CAST IRON | <input type="checkbox"/> 铝合金 ALUMINUM |
| <input type="checkbox"/> 钛合金 TITANIUM | <input type="checkbox"/> 其他 OTHER |

刀杆形式 KNIFE BAR FORM:

- 直槽 STRAIGHT 螺旋槽 HELICAL



柄部型式 SHANK TYPE

- 侧固式法兰刀柄 FLANGED SHANK
 侧固式法兰刀柄(斜面) FLANGED SHANK (INCLINED SURFACE)



签名 SIGNATURE: _____

日期 DATE: _____

加工条件和刀具信息

PROCESSING CONDITIONS AND TOOL INFORMATION

孔 HOLE

- 通孔 THROUGH HOLE 盲孔 BLIND HOLE

要求孔径: _____ mm 钻孔深度: _____ mm

APERTURE DEPTH

加工方法 PROCESSING METHODS

- 湿式 WET 干式 DRY

冷却方式 COOLING

- 外冷 EXTERNAL COOLING 内冷 COOLED

硬度 HARDNESS (HRC, HB) _____ 抗拉强度 TENSILE STRENGTH (N/mm2) _____

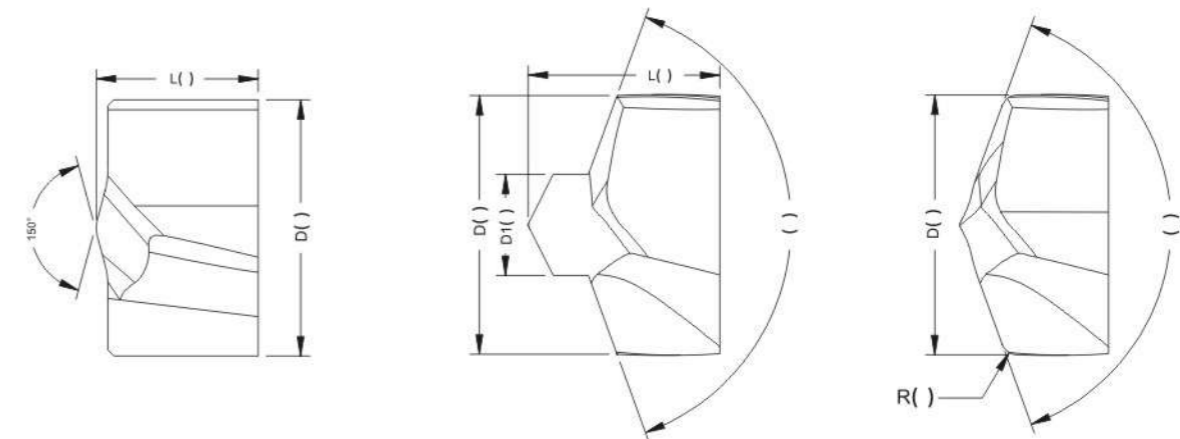
使用机床 MACHINE _____

刀片涂层 BLADE COATINE: _____

被加工材料 MATERIAL TO BE PROCESSED

- | | |
|--|---|
| <input type="checkbox"/> 碳素钢 CARBON | <input type="checkbox"/> 铜合金 COPPER ALLOY |
| <input type="checkbox"/> 合金钢 ALLOY STEEL | <input type="checkbox"/> 淬硬钢 HARDENED STEEL |
| <input type="checkbox"/> 不锈钢 STAINLESS STEEL | <input type="checkbox"/> 镍合金 NICKEL ALLOY |
| <input type="checkbox"/> 铸铁 CAST IRON | <input type="checkbox"/> 铝合金 ALUMINUM |
| <input type="checkbox"/> 钛合金 TITANIUM | <input type="checkbox"/> 其他 OTHER |

刀片类型 INSERT TYPE



其他类型(客户自定义) OTHER TYPE (CUSTOMIZABLE)

签名 SIGNATURE: _____

日期 DATE: _____

材料分组综览 An overview of material groups

KPM45-P (通用槽型) 钻尖 切削参数

KPM45-P (universal groove) drill tip cutting parameters

$$\text{转速} S = \frac{V_c \times 1000}{\pi \times \text{直径}}$$

$$\text{进给速度} v_f = \text{转速} S \times Fr$$

材料分组 Material grouping	切削速度 Cutting speed - VC				根据直径推荐进给量 (Fr) Recommended feed rate based on diameter (Fr)						
	m/min				mm/转	ø12.5-16	ø16-20	ø20-25.4	ø25.4-32	ø32-40	ø40
	最小值 minimum	中间值 Intermediate	最大值 Maximum								
P	1	100	110	120	mm/转	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.60	0.33-0.69
	2	80	95	110	mm/转	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.60	0.33-0.69
	3	65	70	80	mm/转	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.60	0.33-0.69
	4	55	65	75	mm/转	0.15-0.28	0.14-0.31	0.16-0.36	0.20-0.46	0.23-0.53	0.30-0.60
	5	50	50	65	mm/转	0.09-0.15	0.11-0.18	0.12-0.21	0.15-0.25	0.17-0.29	0.20-0.33
	6	45	50	65	mm/转	0.12-0.23	0.14-0.26	0.16-0.29	0.20-0.38	0.23-0.43	0.26-0.54
M	1	30	60	90	mm/转	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
	2	30	50	90	mm/转	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
	3	20	40	60	mm/转	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31

KMS35-S (不锈钢槽型) 钻尖 切削参数

KMS35-S (stainless steel groove type) drill tip cutting parameters

$$\text{转速} S = \frac{V_c \times 1000}{\pi \times \text{直径}}$$

$$\text{进给速度} v_f = \text{转速} S \times Fr$$

材料分组 Material grouping	切削速度 Cutting speed - VC				根据直径推荐进给量 (Fr) Recommended feed rate based on diameter (Fr)						
	m/min				mm/转	ø12.5-16	ø16-20	ø20-25.4	ø25.4-32	ø32-40	ø40
	最小值 minimum	中间值 Intermediate	最大值 Maximum								
P	1	110	140	170	mm/转	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.60	0.33-0.69
	2	100	120	140	mm/转	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.60	0.33-0.69
	3	80	100	120	mm/转	0.15-0.31	0.17-0.36	0.19-0.41	0.25-0.53	0.29-0.60	0.33-0.69
M	1	40	60	80	mm/转	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
	2	35	55	70	mm/转	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
	3	20	40	60	mm/转	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31
N	1	90	155	220	mm/转	0.19-0.40	0.25-0.50	0.28-0.56	0.32-0.63	0.32-0.7	0.32-0.7
	2	90	155	220	mm/转	0.19-0.40	0.25-0.50	0.28-0.56	0.32-0.63	0.32-0.7	0.32-0.7
	3	80	120	160	mm/转	0.19-0.40	0.25-0.50	0.28-0.56	0.32-0.63	0.32-0.7	0.32-0.7
	4	90	155	220	mm/转	0.19-0.40	0.25-0.50	0.28-0.56	0.32-0.63	0.32-0.7	0.32-0.7
S	1	20	40	60	mm/转	0.05-0.10	0.07-0.12	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25
	2	15	30	45	mm/转	0.05-0.10	0.07-0.12	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25
	3	15	30	45	mm/转	0.05-0.10	0.07-0.12	0.09-0.14	0.11-0.17	0.13-0.20	0.16-0.25
	4	10	25	40	mm/转	0.05-0.10	0.07-0.12	0.13-0.20	0.16-0.25	0.18-0.28	0.21-0.31

应用建议: 在使用KMS35-S钻尖进行>5xD钻孔加工时, 建议在加工前进行预定心处理。
Application suggestion: When using KMS35-S drill tip for >5xD drilling processing, it is recommended to perform pre centering treatment before processing.

K7410-K (铸铁槽型) 钻尖 切削参数

Cutting parameters of K7410-K (cast iron groove type) drill tip

$$\text{转速} S = \frac{V_c \times 1000}{\pi \times \text{直径}}$$

$$\text{进给速度} v_f = \text{转速} S \times Fr$$

材料分组 Material grouping	切削速度 Cutting speed - VC				根据直径推荐进给量 (Fr) Recommended feed rate based on diameter (Fr)						
	m/min				mm/转	ø12.5-16	ø16-20	ø20-25.4	ø25.4-32	ø32-40	ø40
	最小值 minimum	中间值 Intermediate	最大值 Maximum								
K	1	100	175	200	mm/转	0.17-0.35	0.21-0.42	0.25-0.48	0.31-0.59	0.37-0.70	0.43-0.81
	2	100	160	180	mm/转	0.17-0.33	0.21-0.41	0.25-0.48	0.31-0.59	0.37-0.70	0.43-0.81
	3	70	85	100	mm/转	0.18-0.36	0.21-0.41	0.21-0.44	0.23-0.48	0.25-0.53	0.27-0.57

