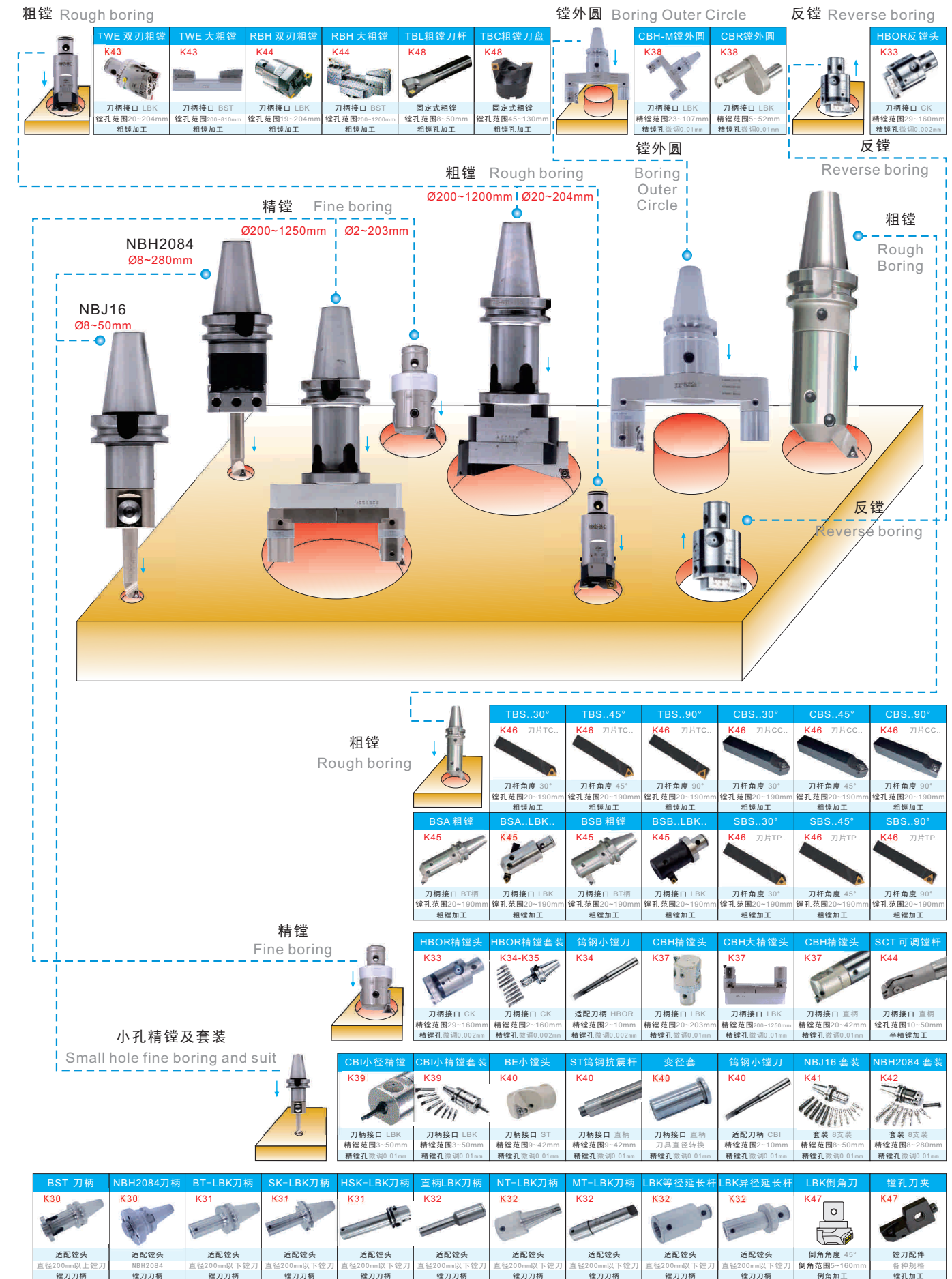
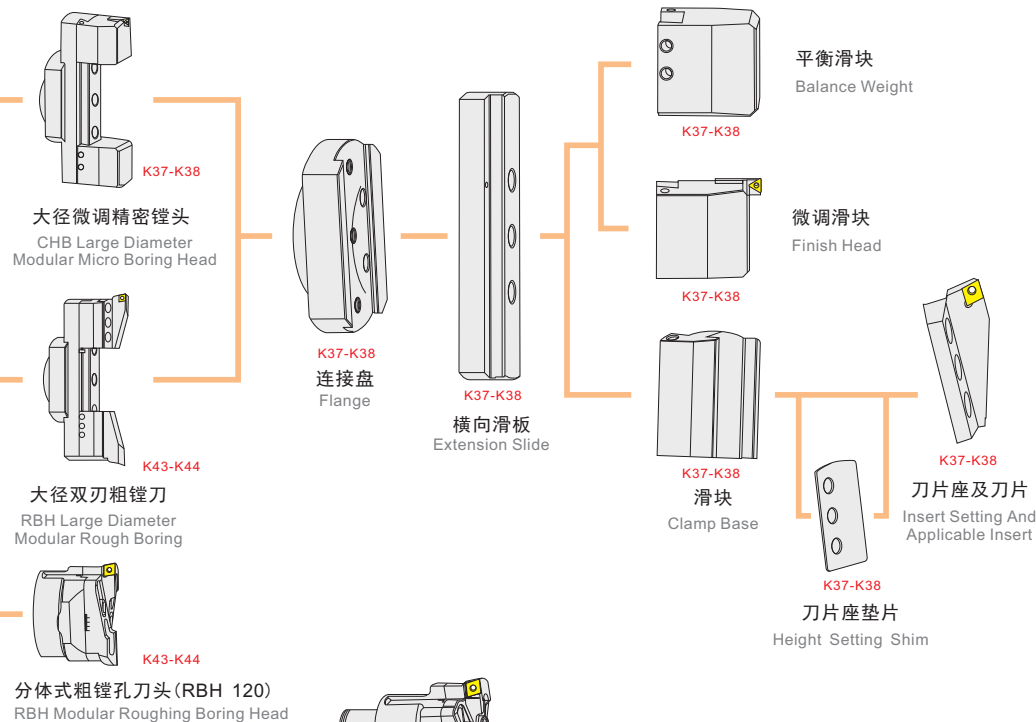
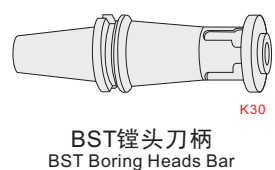
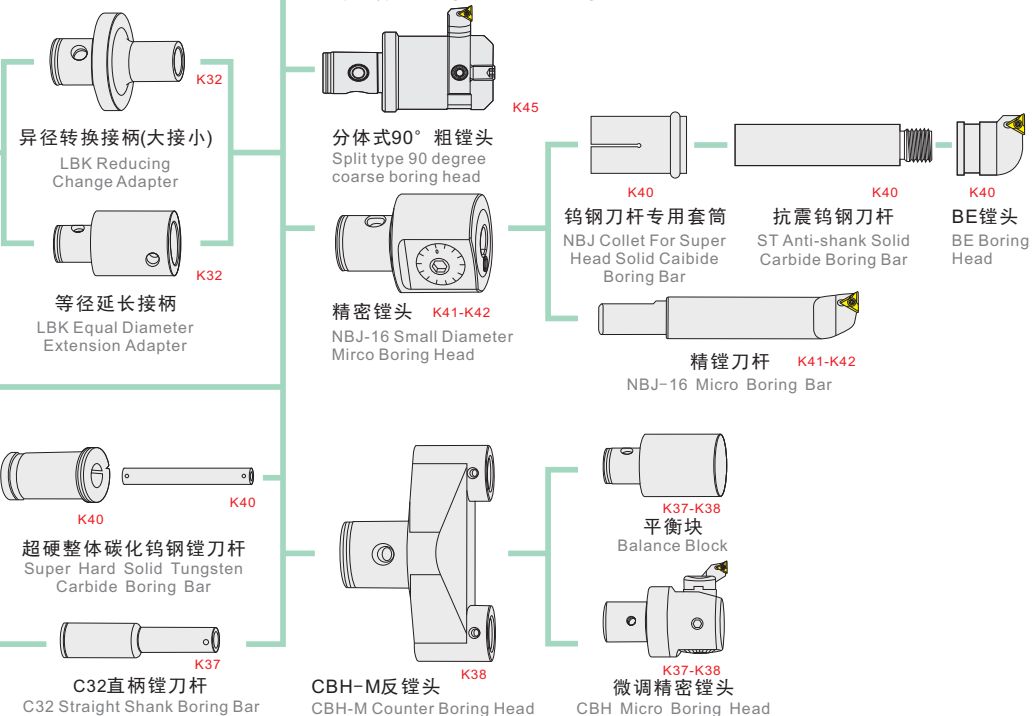




BST系列
BST BORING SYSTEM



LBK系列
LBK BORING SYSTEM



快速
钻孔

镗孔
加工系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

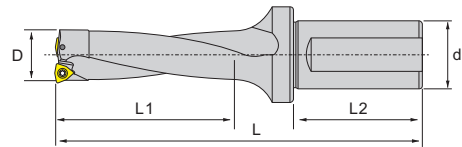
铰刀

WCMX

通孔加工

有孔

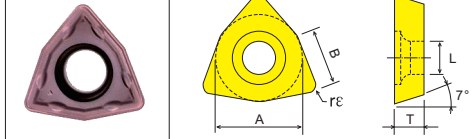
钻孔加工



切削形态: ● 稳定切削 ● 一般切削 ● 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

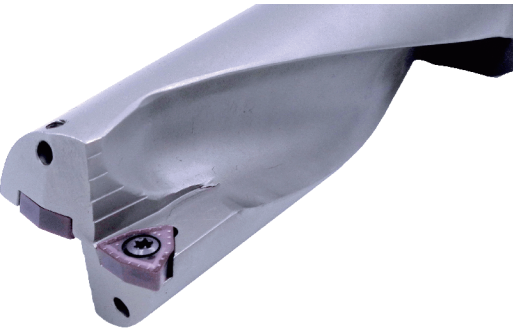
[illegible]

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	PCBN CBN CBN-S ZK60 ZK80 ZC32S ZP150 ZP152 ZP153
				r _c	A	B	T	L			
钻孔刀片 Drilling inserts			WCMX 030208-SU 040208-SU 050308-SU 06T308-SU 080412-SU	0.8	5.56	3.8	2.38	2.8		 刀柄： (Toolholder) K05-K06 K19-K20	
				0.8	6.35	4.3	2.38	3.1			
				0.8	7.94	5.4	3.18	3.2			
				0.8	9.525	6.5	3.97	3.7			
				1.2	12.7	8.7	4.76	4.3			



WC型舍弃式快速钻头

WC Type Fast Drilling Bit



2倍快速钻头-WC刀片 L1=2xD Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
503100	ZD02-14.0-XP25-WC03-02	33	56	106	14					700
503102	ZD02-15.0-XP25-WC03-02	35	56	108	15					700
503104	ZD02-16.0-XP25-WC03-02	37	56	110	16					700
503106	ZD02-17.0-XP25-WC03-02	39	56	112	17		WCMX030208			700
503108	ZD02-18.0-XP25-WC03-02	41	56	114	18					700
503110	ZD02-19.0-XP25-WC03-02	43	56	116	19	25		M2.5×6.5		700
503112	ZD02-20.0-XP25-WC03-02	45	56	119	20					700
503114	ZD02-21.0-XP25-WC04-02	47	56	121	21				T8	875
503116	ZD02-22.0-XP25-WC04-02	49	56	123	22		WCMX040208			875
503118	ZD02-23.0-XP25-WC04-02	51	56	125	23					875
503120	ZD02-24.0-XP25-WC04-02	53	56	127	24					875
503122	ZD02-25.0-XP32-WC05-02	55	80	141	25					988
503124	ZD02-26.0-XP32-WC05-02	57	80	143	26					988
503126	ZD02-27.0-XP32-WC05-02	59	80	145	27					988
503128	ZD02-28.0-XP32-WC05-02	61	80	147	28		WCMX050308	M3×7		988
503130	ZD02-29.0-XP32-WC05-02	63	80	149	29					988
503132	ZD02-30.0-XP32-WC05-02	65	80	151	30					988
503134	ZD02-31.0-XP32-WC05-02	67	80	153	31					1150
503136	ZD02-32.0-XP32-WC06-02	69	80	155	32	32				1150
503138	ZD02-33.0-XP32-WC06-02	71	80	157	33					1150
503140	ZD02-34.0-XP32-WC06-02	73	80	159	34					1150
503142	ZD02-35.0-XP32-WC06-02	75	80	161	35					1150
503144	ZD02-36.0-XP32-WC06-02	77	80	163	36		WCMX06T308	M3.5×8		1258
503146	ZD02-37.0-XP32-WC06-02	79	80	165	37					1258
503148	ZD02-38.0-XP32-WC06-02	81	80	167	38					1258
503150	ZD02-39.0-XP32-WC06-02	83	80	169	39					1258
503152	ZD02-40.0-XP32-WC06-02	85	80	171	40					1450
503154	ZD02-41.0-XP32-WC06-02	87	80	173	41					1450
503156	ZD02-42.0-XP32-WC06-02	89	80	175	42					1450
503158	ZD02-43.0-XP40-WC08-02	91	65	186	43					1450
503160	ZD02-44.0-XP40-WC08-02	93	65	188	44					1450
503162	ZD02-45.0-XP40-WC08-02	95	65	190	45					1450
503164	ZD02-46.0-XP40-WC08-02	97	85	192	46					1638
503166	ZD02-47.0-XP40-WC08-02	99	85	194	47					1638
503168	ZD02-48.0-XP40-WC08-02	101	85	196	48					1638
503170	ZD02-49.0-XP40-WC08-02	103	85	198	49		WCMX080412	M4×10		1638
503172	ZD02-50.0-XP40-WC08-02	105	85	200	50					1638
503174	ZD02-51.0-XP40-WC08-02	107	65	202	51				T15	1853
503176	ZD02-52.0-XP40-WC08-02	109	65	204	52					1853
503178	ZD02-53.0-XP40-WC08-02	111	65	206	53					1853
503180	ZD02-54.0-XP40-WC08-02	113	85	208	54					1953
503182	ZD02-55.0-XP40-WC08-02	115	85	210	55					1953
503184	ZD02-56.0-XP40-WC05-02	117	65	212	56					2043
503186	ZD02-57.0-XP40-WC08-02	119	85	214	57					2043
503188	ZD02-58.0-XP40-WC06-04	121	65	216	58					2043
503190	ZD02-59.0-XP40-WC06-04	123	65	218	59					2043
503192	ZD02-60.0-XP40-WC06-04	125	65	220	60					2043
503194	ZD02-61.0-XP40-WC06-04	127	85	222	61					
503196	ZD02-62.0-XP40-WC06-04	129	85	224	62		WCMX06T308	M3.5×8		
503198	ZD02-63.0-XP40-WC06-04	131	85	226	63					
503200	ZD02-64.0-XP40-WC06-04	133	65	228	64					
503202	ZD02-65.0-XP40-WC06-04	135	65	230	65					

3倍快速钻头-WC刀片 L1=3xD Fast Drill - WC Type

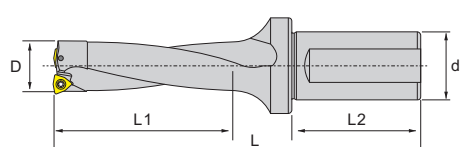
编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
503300	Z303-14.0-XP25-WC03-02	47	56	120	14		WCMX030208	M2.5x6.5	T8	738
503302	Z303-14.5-XP25-WC03-02	48	56	122	14.5					738
503304	Z303-15.0-XP25-WC03-02	50	56	123	15					738
503306	Z303-15.5-XP25-WC03-02	51.5	56	124	15.5					738
503308	Z303-16.0-XP25-WC03-02	53	56	126	16					738
503310	Z303-16.5-XP25-WC03-02	54.5	56	127	16.5					738
503312	Z303-17.0-XP25-WC03-02	56	56	129	17					738
503314	Z303-17.5-XP25-WC03-02	57.5	56	130	17.5					738
503316	Z303-18.0-XP25-WC03-02	59	56	132	18					738
503318	Z303-18.5-XP25-WC03-02	60.5	56	133	18.5					738
503320	Z303-19.0-XP25-WC03-02	62	56	135	19					738
503322	Z303-19.5-XP25-WC03-02	63.5	56	136	19.5					738
503324	Z303-20.0-XP25-WC03-02	65	56	139	20		738			
503326	Z303-20.5-XP25-WC03-02	66.5	56	140	20.5		925			
503328	Z303-21.0-XP25-WC04-02	68	56	142	21		925			
503330	Z303-21.5-XP25-WC04-02	69.5	56	143	21.5		925			
503332	Z303-22.0-XP25-WC04-02	71	56	144	22		925			
503334	Z303-22.5-XP25-WC04-02	72.5	56	148	22.5		925			
503336	Z303-23.0-XP25-WC04-02	74	56	148	23		925			
503338	Z303-23.5-XP25-WC04-02	75.5	56	149	23.5		925			
503340	Z303-24.0-XP25-WC04-02	77	56	151	24		925			
503342	Z303-24.5-XP25-WC04-02	78.5	56	152	24.5		925			
503344	Z303-25.0-XP32-WC05-02	80	60	169	25		1038			
503346	Z303-25.5-XP32-WC05-02	81.5	60	167	25.5		1038			
503348	Z303-26.0-XP32-WC05-02	83	60	169	26		1038			
503350	Z303-26.5-XP32-WC05-02	84.5	60	170	26.5		1038			
503352	Z303-27.0-XP32-WC05-02	86	60	172	27		1038			
503354	Z303-27.0-XP32-WC05-02	87.5	60	173	27.5		1038			
503356	Z303-28.0-XP32-WC05-02	89	60	175	28		1038			
503358	Z303-28.5-XP32-WC05-02	90.5	60	176	28.5		1038			
503360	Z303-29.0-XP32-WC05-02	92	60	178	29		1038			
503362	Z303-29.5-XP32-WC05-02	93.5	60	179	29.5		1038			
503364	Z303-30.0-XP32-WC05-02	95	60	181	30		1038			
503366	Z303-30.5-XP32-WC05-0T	96.5	60	182	30.5		1213			
503368	Z303-31.0-XP32-WC05-02	98	60	184	31		1213			
503370	Z303-31.5-XP32-WC05-02	99.5	60	185	31.5		1213			
503372	Z303-32.0-XP32-WC05-02	101	60	186	32		1213			
503374	Z303-32.5-XP32-WC06-02	102.5	60	188	32.5		1213			
503376	Z303-33.0-XP32-WC06-02	104	60	190	33		1213			
503378	Z303-33.5-XP32-WC06-02	105.5	60	191	33.5		1213			
503380	Z303-34.0-XP32-WC06-02	107	60	193	34		1213			
503382	Z303-34.5-XP32-WC06-02	108.5	60	194	34.5		1213			
503384	Z303-35.0-XP32-WC06-02	110	60	196	35		1213			
503386	Z303-35.5-XP32-WC06-02	111.5	60	197	35.5		1325			
503388	Z303-36.0-XP32-WC06-02	113	60	199	36		1325			
503390	Z303-36.5-XP32-WC06-02	114.5	60	200	36.5		1325			
503392	Z303-37.0-XP32-WC06-02	116	60	202	37		1325			
503394	Z303-37.5-XP32-WC06-02	117.5	60	203	37.5		1325			
503396	Z303-38.0-XP32-WC06-02	119	60	205	38		1325			
503398	Z303-38.5-XP32-WC06-02	120.5	60	206	38.5		1325			
503400	Z303-39.0-XP32-WC06-02	122	60	206	39		1325			
503402	Z303-39.5-XP32-WC06-02	123.5	60	209	39.5		1325			
503404	Z303-40.0-XP32-WC06-02	125	60	211	40		1325			
503406	Z303-41.0-XP32-WC06-02	128	60	214	41		1525			
503408	Z303-42.0-XP32-WC06-02	131	60	217	42		1525			
503410	Z303-43.0-XP40-WC08-02	134	65	229	43		1525			
503412	Z303-44.0-XP40-WC08-02	137	65	232	44		1525			
503414	Z303-45.0-XP40-WC08-02	140	65	235	45		1525			
503416	Z303-46.5-XP40-WC08-02	143	65	238	46		1725			
503418	Z303-47.0-XP40-WC08-02	146	65	241	47		1725			
503420	Z303-48.0-XP40-WC08-02	149	65	244	48		1725			
503422	Z303-49.0-XP40-WC08-02	152	65	247	49		1725			
503424	Z303-50.0-XP40-WC08-02	155	65	250	50		1725			
503426	Z303-51.0-XP40-WC08-02	158	65	253	51		1950			
503428	Z303-52.0-XP40-WC08-02	161	65	256	52		1950			
503430	Z303-53.0-XP40-WC08-02	164	65	259	53		1950			
503432	Z303-54.0-XP40-WC08-02	167	65	262	54		1950			
503434	Z303-55.0-XP40-WC08-02	170	65	265	55		1950			
503436	Z303-56.0-XP40-WC08-02	173	65	268	56		2150			
503438	Z303-57.0-XP40-WC08-02	176	65	271	57		2150			
503440	Z303-58.0-XP40-WC06-04	179	65	274	58		2150			
503442	Z303-59.0-XP40-WC06-04	182	65	277	59		2150			
503444	Z303-60.0-XP40-WC06-04	185	65	280	60		2150			
503446	Z303-61.0-XP40-WC06-04	188	65	283	61		2150			
503448	Z303-62.0-XP40-WC06-04	191	65	286	62		2150			
503450	Z303-63.0-XP40-WC06-04	194	65	289	63		2150			
503452	Z303-64.0-XP40-WC06-04	197	65	292	64		2150			
503454	Z303-65.0-XP40-WC06-04	200	65	295	65		2150			

WCMX

通孔加工

有孔

钻孔加工



用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder								
				r℄	A	B	T	L			PCD	CBN-K	CBN-S	ZN60	ZC32S	ZP201	ZP150	ZP102
钻孔刀片 Drilling inserts			WCMX 030208-ZK 040208-ZK 050308-ZK 06T308-ZK 080412-ZK	0.8	5.56	3.8	2.38	2.8		 刀柄： (Toolholder) K05-K06 K19-K20								
				0.8	6.35	4.3	2.38	3.1										
				0.8	7.94	5.4	3.18	3.2										
				0.8	9.525	6.5	3.97	3.7										
				1.2	12.7	8.7	4.76	4.3										
钻孔刀片 Drilling inserts			WCMX 030208 040208 050308 06T308 080412	0.8	5.56	3.8	2.38	2.8		 刀柄： (Toolholder) K05-K06 K19-K20								
				0.8	6.35	4.3	2.38	3.1										
				0.8	7.94	5.4	3.18	3.2										
				0.8	9.525	6.5	3.97	3.7										
				1.2	12.7	8.7	4.76	4.3										

4倍快速钻头-WC刀片 L1=4xD Fast Drill - WC Type

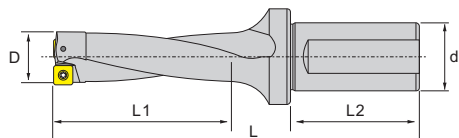
编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
003500	ZD04-14.0-XP25-WC03-02	61	56	134	14	25	WCMX030208	M2.5x6.5	T8	825
003502	ZD04-14.5-XP25-WC03-02	63	56	136	14.5					825
003504	ZD04-15.0-XP25-WC03-02	65	56	138	15					825
003506	ZD04-15.5-XP25-WC03-02	67	56	140	15.5					825
003508	ZD04-16.0-XP25-WC03-02	69	56	142	16					825
003510	ZD04-16.5-XP25-WC03-02	71	56	144	16.5					825
003512	ZD04-17.0-XP25-WC03-02	73	56	146	17					825
003514	ZD04-17.5-XP25-WC03-02	75	56	148	17.5					825
003516	ZD04-18.0-XP25-WC03-02	77	56	150	18					825
003518	ZD04-18.5-XP25-WC03-02	79	56	152	18.5					825
003520	ZD04-19.0-XP25-WC03-02	81	56	154	19	25	WCMX040208	M3x7	T8	825
003522	ZD04-19.5-XP25-WC03-02	83	56	155	19.5					825
003524	ZD04-20.0-XP25-WC03-02	85	56	159	20					1025
003526	ZD04-20.5-XP25-WC03-02	87	56	161	20.5					1025
003528	ZD04-21.0-XP25-WC03-02	89	56	163	21					1025
003530	ZD04-21.5-XP25-WC04-02	91	56	165	21.5					1025
003532	ZD04-22.0-XP25-WC04-02	93	56	167	22					1025
003534	ZD04-22.5-XP25-WC04-02	95	56	169	22.5					1025
003536	ZD04-23.0-XP25-WC04-02	97	56	171	23					1025
003538	ZD04-23.5-XP25-WC04-02	99	56	173	23.5					1025
003540	ZD04-24.0-XP25-WC04-02	101	56	175	24	32	WCMX050308	M3x7	T8	1150
003542	ZD04-24.5-XP25-WC04-02	103	56	177	24.5					1025
003544	ZD04-25.0-XP32-WC04-02	105	60	191	25					1025
003546	ZD04-25.5-XP32-WC03-02	107	60	193	25.5					1150
003548	ZD04-26.0-XP32-WC03-02	109	60	195	26					1150
003550	ZD04-26.5-XP32-WC03-02	111	60	197	26.5					1150
003552	ZD04-27.0-XP32-WC03-02	113	60	199	27					1150
003554	ZD04-27.5-XP32-WC03-02	115	60	201	27.5					1150
003556	ZD04-28.0-XP32-WC03-02	117	60	203	28					1150
003558	ZD04-28.5-XP32-WC03-02	119	60	205	28.5					1150
003560	ZD04-29.0-XP32-WC03-02	121	60	207	29	32	WCMX06T308	M3.5x8	T15	1325
003562	ZD04-29.5-XP32-WC03-02	123	60	209	29.5					1150
003564	ZD04-30.0-XP32-WC03-02	125	60	211	30					1150
003566	ZD04-30.5-XP32-WC03-02	127	60	213	30.5					1325
003568	ZD04-31.0-XP32-WC03-02	129	60	215	31	32	WCMX06T308	M3.5x8	T15	1325
003570	ZD04-31.5-XP32-WC03-02	131	60	217	31.5					1325
003572	ZD04-32.0-XP32-WC03-02	133	60	219	32					1325
003574	ZD04-32.5-XP32-WC06-02	135	60	221	32.5					1325
003576	ZD04-33.0-XP32-WC06-02	137	60	223	33					1325
003578	ZD04-33.5-XP32-WC06-02	139	60	225	33.5					1325
003580	ZD04-34.0-XP32-WC06-02	141	60	227	34					1325
003582	ZD04-34.5-XP32-WC06-02	143	60	229	34.5					1325
003584	ZD04-35.0-XP32-WC06-02	145	60	231	35					1325
003586	ZD04-35.5-XP32-WC06-02	147	60	233	35.5					1475
003588	ZD04-36.0-XP32-WC06-02	149	60	235	36	32	WCMX06T308	M3.5x8	T15	1475
003590	ZD04-36.5-XP32-WC06-02	151	60	237	36.5					1475
003592	ZD04-37.0-XP32-WC06-02	153	60	239	37					1475
003594	ZD04-37.5-XP32-WC06-02	155	60	241	37.5					1475
003596	ZD04-38.0-XP32-WC06-02	157	60	243	38					1475
003598	ZD04-38.5-XP32-WC06-02	159	60	245	38.5					1475
003600	ZD04-39.0-XP32-WC06-02	161	60	247	39					1475
003602	ZD04-39.5-XP32-WC06-02	163	60	249	39.5					1475
003604	ZD04-40.0-XP32-WC06-02	165	60	251	40					1475
003606	ZD04-41.0-XP32-WC06-02	169	60	255	41					1700
003608	ZD04-42.0-XP32-WC06-02	173	60	259	42	32	WCMX080412	M4x10	T15	1700
003610	ZD04-43.0-XP40-WC08-02	177	65	272	43					1700
003612	ZD04-44.0-XP40-WC08-02	181	65	276	44					1700
003614	ZD04-45.0-XP40-WC08-02	185	65	280	45					1700
003616	ZD04-46.0-XP40-WC08-02	189	65	284	46					1900
003618	ZD04-47.0-XP40-WC08-02	193	65	288	47					1900
003620	ZD04-48.0-XP40-WC08-02	197	65	292	48					1900
003622	ZD04-49.0-XP40-WC08-02	201	65	296	49					1900
003624	ZD04-50.0-XP40-WC08-02	205	65	300	50					2150
003626	ZD04-51.0-XP40-WC08-02	209	65	304	51					2150
003628	ZD04-52.0-XP40-WC08-02	213	65	308	52	40	WCMX06T308	M3.5x8	T15	2150
003630	ZD04-53.0-XP40-WC08-02	217	65	312	53					2150
003632	ZD04-54.0-XP40-WC08-02	221	65	316	54					2150
003634	ZD04-55.0-XP40-WC08-02	225	65	320	55					2150
003636	ZD04-56.0-XP40-WC08-02	229	65	324	56					2375
003638	ZD04-57.0-XP40-WC08-02	233	65	328	57					2375
003640	ZD04-58.0-XP40-WC06-04	237	65	332	58					2375
003642	ZD04-59.0-XP40-WC06-04	241	65	336	59					2375
003644	ZD04-60.0-XP40-WC06-04	245	65	340	60					2375
003646	ZD04-61.0-XP40-WC06-04	249	65	344	61					WCMX06T308
003648	ZD04-62.0-XP40-WC06-04	253	65	348	62					
003650	ZD04-63.0-XP40-WC06-04	257	65	352	63					
003652	ZD04-64.0-XP40-WC06-04	261	65	356	64					
003654	ZD04-65.0-XP40-WC06-04	265	65	360	65					

5倍快速钻头-WC刀片 L1=5xD Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable Insert	螺丝 Screw	扳手 Wrench	Price
503700	ZD05-14.0-XP25-WC03-02	75	56	148	14					950
503702	ZD05-14.5-XP25-WC03-02	77.5	56	150	14.5					950
503704	ZD05-15.0-XP25-WC03-02	80	56	153	15					950
503706	ZD05-15.5-XP25-WC03-02	82.5	56	155	15.5					950
503708	ZD05-16.0-XP25-WC03-02	85	56	158	16					950
503710	ZD05-16.5-XP25-WC03-02	87.5	56	160	16.5					950
503712	ZD05-17.0-XP25-WC03-02	90	56	163	17					950
503714	ZD05-17.5-XP25-WC03-02	92.5	56	165	17.5					950
503716	ZD05-18.0-XP25-WC03-02	95	56	168	18					950
503718	ZD05-18.5-XP25-WC03-02	97.5	56	170	18.5					950
503720	ZD05-19.0-XP25-WC03-02	100	56	173	19					950
503722	ZD05-19.5-XP25-WC03-02	102.5	56	174	19.5					950
503724	ZD05-20.0-XP25-WC03-02	105	56	179	20					950
503726	ZD05-20.5-XP25-WC03-02	107.5	56	181	20.5					1150
503728	ZD05-21.0-XP25-WC04-02	110	56	184	21					1150
503730	ZD05-21.5-XP25-WC04-02	112.5	56	186	21.5					1150
503732	ZD05-22.0-XP25-WC04-02	115	56	189	22					1150
503734	ZD05-22.5-XP25-WC04-02	117.5	56	193	22.5					1150
503736	ZD05-23.0-XP25-WC04-02	120	56	194	23					1150
503738	ZD05-23.5-XP25-WC04-02	122.5	56	196	23.5					1150
503740	ZD05-24.0-XP25-WC04-02	125	56	199	24					1150
503742	ZD05-24.5-XP25-WC04-02	127.5	56	201	24.5					1150
503744	ZD05-25.0-XP32-WC05-02	130	60	216	25					1150
503746	ZD05-25.5+P32-WC05-02	132.5	60	218	25.5					1300
503748	ZD05-26.0-XP32-WC05-02	135	60	221	26					1300
503750	ZD05-26.5-XP32-WC05-02	137.5	60	223	26.5					1300
503752	ZD05-27.0-XP32-WC05-02	140	60	224	27					1300
503754	ZD05-27.5-XP32-WC05-02	142.5	60	228	27.5					1300
503756	ZD05-28.0-XP32-WC05-02	145	60	231	28					1300
503758	ZD05-28.5-XP32-WC05-02	147.5	60	233	28.5					1300
503760	ZD05-29.0-XP32-WC05-02	150	60	236	29					1300
503762	ZD05-29.5-XP32-WC05-02	152.5	60	238	29.5					1300
503764	ZD05-30.0-XP32-WC05-02	155	60	241	30					1450
503766	ZD05-30.5-XP32-WC05-02	157.5	60	243	30.5					1450
503768	ZD05-31.0-XP32-WC05-02	160	60	246	31					1450
503770	ZD05-31.5-XP32-WC05-02	162.5	60	248	31.5					1450
503772	ZD05-32.0-XP32-WC06-02	165	60	251	32					1450
503774	ZD05-32.5-XP32-WC06-02	167.5	60	253	32.5					1450
503776	ZD05-33.0-XP32-WC06-02	170	60	256	33					1450
503778	ZD05-33.5-XP32-WC06-02	172.5	60	258	33.5					1450
503780	ZD05-34.0-XP32-WC06-02	175	60	261	34					1450
503782	ZD05-34.5-XP32-WC06-02	177.5	60	263	34.5					1450

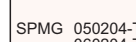
SPMG

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钻孔加工



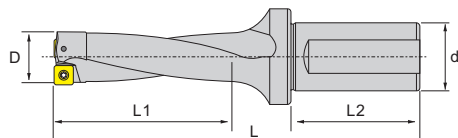
切削形态: ● 稳定切削 ● 一般切削 ✖ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

P	钢	Steel	     
M	不锈钢	Stainless Steel	     
K	铸铁	Iron	     
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood	     
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy	     
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber	     

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	材料 Material							
				r℄	A	B	T	L			PCD	XY	CBN	SS	ZK01	CR25	NP150	NP152
钻孔刀片 Drilling inserts			SPMG 050204-TT	0.4	5.0	5.0	2.38	2.2	 刀柄： (Toolholder) K07-K08									
			060204-TT	0.4	6.0	6.0	2.38	2.6										
			07T308-TT	0.8	7.94	7.94	3.97	2.8										
			090408-TT	0.8	9.8	9.8	4.30	4.2										
			110408-TT	0.8	11.5	11.5	4.8	4.4										
			140512-TT	1.2	14.3	14.3	5.0	5.75										

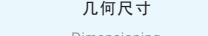
SPMG

平底盲孔
有孔
钻孔加工



切削形态: ● 稳定切削 ◐ 一般切削 ✖ 不稳定切削
 Cutting Environment Stable Cutting General Cutting Unstable Cutting

[illegible]

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	PCD K20 CBN ZK60 ZK01 ZC32S ZC45 ZP150 ZP153		
				ℓℓ	A	B	T	L					
钻头刀片 Drill bits			SPMG 050204-PM	0.4	5.0	5.0	2.38	2.2	 刀柄: (Toolholder) K07-K08	●	●	●	●
			060204-PM	0.4	6.0	6.0	2.38	2.6		●	●	●	●
			071308-PM	0.8	7.94	7.94	3.97	2.8		●	●	●	●
			090408-PM	0.8	9.8	9.8	4.30	4.2		●	●	●	●
			110408-PM	0.8	11.5	11.5	4.8	4.4		●	●	●	●
			140512-PM	1.2	14.3	14.3	5.0	5.75		●	●	●	●

SP型舍弃式快速钻头

SP Type Fast Drilling Bit



3倍快速钻头-SP刀片 L1=3xD Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L	D	d	适用刀片 Applicable inserts	螺丝 Screw	扳手 Wrench	Price
054200	ZM03-13.0-XP25-SP05-02	44	56	117	13					738
054202	ZM03-13.5-XP25-SP05-02	45.5	56	118	13.5					738
054204	ZM03-14.5-XP25-SP05-02	47	56	120	14.5		SPMG050204	M2.5×8		738
054206	ZM03-14.5-XP25-SP05-02	48	56	121	14.5					738
054208	ZM03-15.0-XP25-SP05-02	50	56	123	15					738
054210	ZM03-15.5-XP25-SP06-02	51.5	56	124	15.5					738
054212	ZM03-16.0-XP25-SP06-02	53	56	126	16					738
054214	ZM03-16.5-XP25-SP06-02	54.5	56	127	16.5					738
054216	ZM03-17.0-XP25-SP06-02	56	56	129	17				T8	738
054218	ZM03-17.5-XP25-SP06-02	57.5	56	130	17.5					738
054220	ZM03-18.0-XP25-SP06-02	59	56	132	18		SPMG060204	M2.2×5		738
054222	ZM03-18.5-XP25-SP06-02	60.5	56	133	18.5	25				738
054224	ZM03-19.0-XP25-SP06-02	62	56	135	19					738
054226	ZM03-19.5-XP25-SP06-02	63.5	56	136	19.5					738
054228	ZM03-20.0-XP25-SP06-02	65	56	139	20					738
054230	ZM03-20.5-XP25-SP06-02	66.5	56	140	20.5					925
054232	ZM03-21.0-XP25-SP06-02	68	56	142	21					925
054234	ZM03-21.5-XP25-SP06-02	69.5	56	143	21.5					925
054236	ZM03-22.0-XP25-SP07-02	71	56	145	22					925
054238	ZM03-22.5-XP25-SP07-02	72.5	56	148	22.5					925
054240	ZM03-23.0-XP25-SP07-02	74	56	148	23		SPMG07T308	M2.5×6	T8	925
054242	ZM03-23.5-XP25-SP07-02	75.5	56	149	23.5					925
054244	ZM03-24.0-XP25-SP07-02	77	56	150	24					925
054246	ZM03-24.5-XP25-SP07-02	78.5	56	152	24.5					925
054248	ZM03-25.0-XP32-SP07-02	80	60	166	25					925
054250	ZM03-25.5-XP32-SP07-02	81.5	60	167	25.5					1038
054252	ZM03-26.0-XP32-SP07-02	83	60	169	26					1038
054254	ZM03-26.5-XP32-SP07-02	84.5	60	170	26.5					1038
054256	ZM03-27.0-XP32-SP07-02	86	60	172	27					1038
054258	ZM03-27.5-XP32-SP07-02	87.5	60	173	27.5					1038
054260	ZM03-28.0-XP32-SP09-02	89	60	175	28					1038
054262	ZM03-28.5-XP32-SP09-02	90.5	60	176	28.5					1038
054264	ZM03-29.0-XP32-SP09-02	92	60	179	29	32	SPMG090408	M3.5×8	T15	1038
054266	ZM03-29.5-XP32-SP09-02	93.5	60	179	29.5					1038
054268	ZM03-30.0-XP32-SP09-02	95	60	181	30					1038
054270	ZM03-30.5-XP32-SP09-02	96.5	60	182	30.5					1213
054272	ZM03-31.0-XP32-SP09-02	98	60	184	31					1213
054274	ZM03-31.5-XP32-SP09-02	99.5	60	185	31.5					1213
054276	ZM03-32.0-XP32-SP09-01	101	60	187	32					1213
054278	ZM03-32.5-XP32-SP09-02	102.5	60	188	32.5					1213
054280	ZM03-33.0-XP32-SP09-02	104	60	190	33					1213
054282	ZM03-33.5-XP32-SP09-02	105.5	60	191	33.5					1213
054284	ZM03-34.0-XP32-SP11-02	107	60	194	34					1213
054286	ZM03-34.5-XP32-SP11-02	108.5	60	194	34.5					1213
054288	ZM03-35.0-XP32-SP11-02	110	60	196	35					1213
054290	ZM03-35.5-XP32-SP11-02	111.5	60	197	35.5					1325
054292	ZM03-36.0-XP32-SP11-02	113	60	199	36					1325
054294	ZM03-36.5-XP32-SP11-02	114.5	60	200	36.5		SPMG110408	M14×10	T15	1325
054296	ZM03-37.0-XP32-SP11-02	116	60	202	37	32				1325
054298	ZM03-37.5-XP32-SP11-02	117.5	60	203	37.5					1325
054300	ZM03-38.0-XP32-SP11-02	119	60	205	38					1325
054302	ZM03-38.5-XP32-SP11-02	120.5	60	206	38.5					1325
054304	ZM03-39.0-XP32-SP11-02	122	60	209	39					1325
054306	ZM03-39.5-XP32-SP11-02	123.5	60	209	39.5					1325
054308	ZM03-40.0-XP32-SP11-02	125	60	211	40					1325
054310	ZM03-41.0-XP32-SP14-02	128	60	214	41					1525
054312	ZM03-42.0-XP32-SP14-02	131	60	217	42					1525
054314	ZM03-43.0-XP40-SP14-02	134	65	229	43					1525
054316	ZM03-44.0-XP40-SP14-02	137	65	232	44		SPMG140512	M5×10	T20	1525
054318	ZM03-45.0-XP40-SP14-02	140	65	235	45					1525
054320	ZM03-46.0-XP40-SP14-02	143	65	238	46					1725
054322	ZM03-47.0-XP40-SP14-02	146	65	241	47					1725
054324	ZM03-48.0-XP40-SP07-04	149	65	244	48					1725
054326	ZM03-49.0-XP40-SP07-04	152	65	247	49					1725
054328	ZM03-50.0-XP40-SP07-04	155	65	250	50		SPMG07T308	M2.5×6	T8	1725
054330	ZM03-51.0-XP40-SP07-04	158	65	253	51					1950
054332	ZM03-52.0-XP40-SP09-04	161	65	256	52	40				1950
054334	ZM03-53.0-XP40-SP09-04	164	65	259	53					1950
054336	ZM03-54.0-XP40-SP09-04	167	65	262	54					1950
054338	ZM03-55.0-XP40-SP09-04	170	65	265	55					1950
054340	ZM03-56.0-XP40-SP09-04	173	65	268	56					2150
054342	ZM03-57.0-XP40-SP09-04	176	65	271	57		SPMG090408	M3.5×8	T15	2150
054344	ZM03-58.0-XP40-SP09-04	179	65	274	58					2150
054346	ZM03-59.0-XP40-SP09-04	182	65	277	59					2150
054348	ZM03-60.0-XP40-SP09-04	185	65	280	60					2150

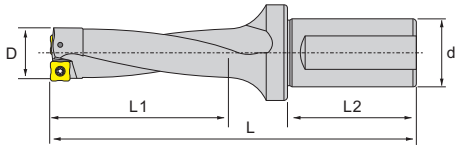
4倍快速钻头-SP刀片 L1=4xD Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L3	D	d	适用刀片 Applicable Inserts	螺丝 Screw	新号 Wrench	Price
504400	ZD04-13.0-XP25-SP05-02	57	56	130	13					825
504402	ZD04-13.5-XP25-SP05-02	59	56	132	13.5					825
504404	ZD04-14.0-XP25-SP05-02	61	56	134	14		SPMG060204	M2.5×5		825
504406	ZD04-14.5-XP25-SP05-02	63	56	136	14.5					825
504408	ZD04-15.0-XP25-SP05-02	65	56	138	15					825
504410	ZD04-15.5-XP25-SP06-02	67	56	140	15.5					825
504412	ZD04-16.0-XP25-SP06-02	69	56	142	16					825
504414	ZD04-16.5-XP25-SP06-02	71	56	144	16.5				T6	825
504416	ZD04-17.0-XP25-SP06-02	73	56	146	17					825
504418	ZD04-17.5-XP25-SP06-02	75	56	148	17.5					825
504420	ZD04-18.0-XP25-SP06-02	77	56	150	18		SPMG060204	M2.5×5		825
504422	ZD04-18.5-XP25-SP06-02	79	56	152	18.5					825
504424	ZD04-19.0-XP25-SP06-02	81	56	154	19					825
504426	ZD04-19.5-XP25-SP06-02	83	56	155	19.5					825
504428	ZD04-20.0-XP25-SP06-02	85	56	156	20					825
504430	ZD04-20.5-XP25-SP06-02	87	56	161	20.5					1025
504432	ZD04-21.0-XP25-SP06-02	89	56	163	21					1025
504434	ZD04-21.5-XP25-SP06-02	91	56	165	21.5					1025
504436	ZD04-22.0-XP25-SP07-02	93	56	167	22					1025
504438	ZD04-22.5-XP25-SP07-02	95	56	169	22.5					1025
504440	ZD04-23.0-XP25-SP07-02	97	56	171	23					1025
504442	ZD04-23.5-XP25-SP07-02	99	56	173	23.5					1025
504444	ZD04-24.0-XP25-SP07-02	101	56	175	24					1025
504446	ZD04-24.5-XP25-SP07-02	103	56	177	24.5		SPMG07T308	M2.5×6	T8	1025
504448	ZD04-25.0-XP32-SP07-02	105	60	191	25					1150
504450	ZD04-25.5-XP32-SP07-02	107	60	193	25.5					1150
504452	ZD04-26.0-XP32-SP07-02	109	60	195	26					1150
504454	ZD04-26.5-XP32-SP07-02	111	60	197	26.5					1150
504456	ZD04-27.0-XP32-SP07-02	113	60	199	27					1150
504458	ZD04-27.5-XP32-SP07-02	115	60	201	27.5					1150
504460	ZD04-28.0-XP32-SP09-02	117	60	203	28					1150
504462	ZD04-28.5-XP32-SP09-02	119	60	205	28.5					1150
504464	ZD04-29.0-XP32-SP09-02	121	60	207	29					1150
504466	ZD04-29.5-XP32-SP09-02	123	60	209	29.5					1150
504468	ZD04-30.0-XP32-SP09-02	125	60	211	30					1325
504470	ZD04-30.5-XP32-SP09-02	127	60	213	30.5		SPMG090408	M3.5×8		1325
504472	ZD04-31.0-XP32-SP09-02	129	60	215	31					1325
504474	ZD04-31.5-XP32-SP09-02	131	60	217	31.5					1325
504476	ZD04-32.0-XP32-SP09-02	133	60	219	32					1325
504478	ZD04-32.5-XP32-SP09-02	135	60	221	32.5					1325
504480	ZD04-33.0-XP32-SP09-02	137	60	223	33				T15	1325
504482	ZD04-33.5-XP32-SP09-02	139	60	225	33.5					1325
504484	ZD04-34.0-XP32-SP11-02	141	60	227	34					1325
504486	ZD04-34.5-XP32-SP11-02	143	60	229	34.5					1325
504488	ZD04-35.0-XP32-SP11-02	145	60	231	35					1325
504490	ZD04-35.5-XP32-SP11-02	147	60	233	35.5					1475
504492	ZD04-36.0-XP32-SP11-02	149	60	235	36					1475
504494	ZD04-36.5-XP32-SP11-02	151	60	237	36.5					1475
504496	ZD04-37.0-XP32-SP11-02	153	60	239	37		SPMG110408	M4×10		1475
504498	ZD04-37.5-XP32-SP11-02	155	60	241	37.5					1475
504500	ZD04-38.0-XP32-SP11-02	157	60	243	38					1475
504502	ZD04-38.5-XP32-SP11-02	159	60	245	38.5					1475
504504	ZD04-39.0-XP32-SP11-02	161	60	247	39					1475
504506	ZD04-39.5-XP32-SP11-02	163	60	249	39.5					1475
504508	ZD04-40.0-XP32-SP11-02	165	60	251	40					1475
504510	ZD04-41.0-XP32-SP14-02	169	60	255	41					1700
504512	ZD04-42.0-XP32-SP14-02	173	60	259	42					1700
504514	ZD04-43.0-XP40-SP14-02	177	65	277	43		SPMG140512	M5×10	T20	1700
504516	ZD04-44.0-XP40-SP14-02	181	65	280	44					1700
504518	ZD04-45.0-XP40-SP14-02	185	65	286	45					1700
504520	ZD04-46.0-XP40-SP14-02	189	65	284	46					1900
504522	ZD04-47.0-XP40-SP14-02	193	65	288	47					1900
504524	ZD04-48.0-XP40-SP07-04	197	65	292	48					1900
504526	ZD04-49.0-XP40-SP07-04	201	65	296	49		SPMG07T308	M2.5×6	T8	1900
504528	ZD04-50.0-XP40-SP07-04	205	65	300	50					2150
504530	ZD04-51.0-XP40-SP07-04	209	65	304	51					2150
504532	ZD04-52.0-XP40-SP09-04	213	65	308	52					2150
504534	ZD04-53.0-XP40-SP09-04	217	65	312	53					2150
504536	ZD04-54.0-XP40-SP09-04	221	65	316	54					2150
504538	ZD04-55.0-XP40-SP09-04	225	65	320	55					2150
504540	ZD04-56.0-XP40-SP09-04	229	65	324	56		SPMG090408	M3.5×8	T15	2375
504542	ZD04-57.0-XP40-SP09-04	233	65	328	57					2375
504544	ZD04-58.0-XP40-SP09-04	237	65	332	58					2375
504546	ZD04-59.0-XP40-SP09-04	241	65	336	59					2375
504548	ZD04-60.0-XP40-SP09-04	245	65	340	60					2375

5倍快速钻头-SP刀片 L1=5xD Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L3	L4	D	d	适用刀片 Applicable Inserts	螺丝 Screw	扳手 Wrench	Price
040600	D205-13.0-XP25-SP05-02	70	56	143	13			SPMG050204	M2×5	T6	950
040602	D205-13.5-XP25-SP05-02	72.5	56	145	13.5						950
040604	D205-14.0-XP25-SP05-02	75	56	148	14						950
040606	D205-14.5-XP25-SP05-02	77.5	56	150	14.5						950
040608	D205-15.0-XP25-SP05-02	80	56	153	15						950
040610	D205-15.5-XP25-SP06-02	82.5	56	155	15.5						950
040612	D205-16.0-XP25-SP06-02	85	56	158	16						950
040614	D205-16.5-XP25-SP06-02	87.5	56	160	16.5						950
040616	D205-17.0-XP25-SP06-02	90	56	163	17						950
040618	D205-17.5-XP25-SP06-02	92.5	56	165	17.5						950
040620	D205-18.0-XP25-SP06-02	95	56	168	18			SPMG060204	M2.2×5		950
040622	D205-18.5-XP25-SP06-02	97.5	56	170	18.5						950
040624	D205-19.0-XP25-SP06-02	100	56	173	19						950
040626	D205-19.5-XP25-SP06-02	102.5	56	174	19.5						950
040628	D205-20.0-XP25-SP06-02	105	56	179	20						950
040630	D205-20.5-XP25-SP06-02	107.5	56	181	20.5						1150
040632	D205-21.0-XP25-SP06-02	110	56	184	21						1150
040634	D205-21.5-XP25-SP06-02	112.5	56	186	21.5						1150
040636	D205-22.0-XP25-SP07-02	115	56	189	22						1150
040638	D205-22.5-XP25-SP07-02	117.5	56	193	22.5						1150
040640	D205-23.0-XP25-SP07-02	120	56	194	23			SPMG07T308	M2.5×6	T8	1150
040642	D205-23.5-XP25-SP07-02	122.5	56	196	23.5						1150
040644	D205-24.0-XP25-SP07-02	125	56	199	24						1150
040646	D205-24.5-XP25-SP07-02	127.5	56	201	24.5						1150
040648	D205-25.0-XP32-SP07-02	130	60	216	25						1150
040650	D205-25.5-XP32-SP07-02	132.5	60	218	25.5						1300
040652	D205-26.0-XP32-SP07-02	135	60	221	26						1300
040654	D205-26.5-XP32-SP07-02	137.5	60	223	26.5						1300
040656	D205-27.0-XP32-SP07-02	140	60	226	27						1300
040658	D205-27.5-XP32-SP07-02	142.5	60	228	27.5						1300
040660	D205-28.0-XP32-SP09-02	145	60	231	28			SPMG090408	M3.5×8	T15	1300
040662	D205-28.5-XP32-SP09-02	147.5	60	233	28.5						1300
040664	D205-29.0-XP32-SP09-02	150	60	236	29						1300
040666	D205-29.5-XP32-SP09-02	152.5	60	238	29.5						1300
040668	D205-30.0-XP32-SP09-02	155	60	241	30			SPMG090408	M3.5×8		1450
040670	D205-30.5-XP32-SP09-02	157.5	60	243	30.5						1450
040672	D205-31.0-XP32-SP09-02	160	60	246	31						1450
040674	D205-31.5-XP32-SP09-02	162.5	60	248	31.5						1450
040676	D205-32.0-XP32-SP09-02	165	60	251	32						1450
040678	D205-32.5-XP32-SP09-02	167.5	60	253	32.5						1450
040680	D205-33.0-XP32-SP09-02	170	60	256	33						1450
040682	D205-33.5-XP32-SP09-02	172.5	60	258	33.5						1450
040684	D205-34.0-XP32-SP11-02	175	60	261	34						1450
040686	D205-34.5-XP32-SP11-02	177.5	60	263	34.5						1450
040688	D205-35.0-XP32-SP11-02	180	60	266	35			1450			
040690	D205-35.5-XP32-SP11-02	182.5	60	268	35.5			1600			
040692	D205-36.0-XP32-SP11-02	185	60	271	36			1600			
040694	D205-36.5-XP32-SP11-02	187.5	60	273	36.5			1600			
040696	D205-37.0-XP32-SP11-02	190	60	276	37			1600			
040698	D205-37.5-XP32-SP11-02	192.5	60	278	37.5			1600			
040700	D205-38.0-XP32-SP11-02	195	60	281	38			1600			
040702	D205-38.5-XP32-SP11-02	197.5	60	283	38.5			1600			
040704	D205-39.0-XP32-SP11-02	200	60	286	39			1600			
040706	D205-39.5-XP32-SP11-02	202.5	60	288	39.5			1600			
040708	D205-40.0-XP32-SP11-02	205	60	291	40			1600			
040710	D205-41.0-XP32-SP14-02	210	60	296	41			SPMG140512	M5×10	T20	1900
040712	D205-42.0-XP32-SP14-02	215	60	301	42						1900
040714	D205-43.0-XP40-SP14-02	220	65	315	43						1900
040716	D205-44.0-XP40-SP14-02	225	65	320	44						1900
040718	D205-45.0-XP40-SP14-02	230	65	325	45						1900
040720	D205-46.0-XP40-SP14-02	235	65	330	46						2100
040722	D205-47.0-XP40-SP14-02	240	67	335	47						2100
040724	D205-48.0-XP40-SP07-04	245	65	341	48						2100
040726	D205-49.0-XP40-SP07-04	250	65	345	49						2100
040728	D205-50.0-XP40-SP07-04	255	65	350	50						2100
040730	D205-51.0-XP40-SP07-04	260	65	355	51			2300			
040732	D205-52.0-XP40-SP09-04	265	65	360	52			2300			
040734	D205-53.0-XP40-SP09-04	270	65	365	53			2300			
040736	D205-54.0-XP40-SP09-04	275	65	370	54			2300			
040738	D205-55.0-XP40-SP09-04	280	65	375	55			2300			
040740	D205-56.0-XP40-SP09-04	285	65	380	56			2300			
040742	D205-57.0-XP40-SP09-04	290	65	385	57			2500			
040744	D205-58.0-XP40-SP09-04	295	65	390	58			2500			
040746	D205-59.0-XP40-SP09-04	300	65	395	59			2600			
040748	D205-60.0-XP40-SP09-04	305	65	400	60			2600			

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切削形态: ● 稳定切削 ● 一般切削 ● 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

P	钢	Steel
M	不锈钢	Stainless Steel
K	铸铁	Iron
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber

用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)					配套刀柄 Matching Toolholder	PCD CBN-K CBN-S Zr60 Z
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SO型舍弃式快速钻头 SO Type Fast Drilling Bit

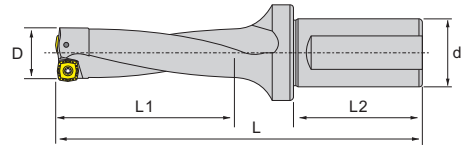
2倍快速钻头-SO刀片 L1=2xD Fast Drill - SO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	重量 Weight
504800	ZD02-10.0-XP20-S004-02	23	44	82	10	20	SOMT040204	M1.8x4	T6	0.2
504801	10.3-XP20-S004-02	24	44	83	10.3					0.2
504802	10.5-XP20-S004-02	24	44	83	10.5					0.2
504803	11.0-XP20-S004-02	25	44	84	11.0					0.2
504804	11.5-XP20-S004-02	26	44	85	11.5					0.2
504805	12.0-XP20-S004-02	27	44	86	12.0					0.2
504806	12.5-XP20-S004-02	28	44	87	12.5					0.2
504807	ZD02-13.0-XP20-S005-02	29	44	88	13.0					0.2
504808	13.5-XP20-S005-02	30	44	89	13.5					0.2
504809	14.0-XP20-S005-02	31	44	90	14.0					0.2
504810	14.5-XP20-S005-02	32	44	91	14.5					0.2
504811	15.0-XP20-S005-02	33	44	92	15.0					0.2
504812	15.5-XP20-S005-02	34	44	93	15.5					0.2
504813	16.0-XP20-S005-02	35	44	94	16.0					0.2
504814	ZD02-16.5-XP20-S006-02	36	44	95	16.5					0.2
504815	17.0-XP20-S006-02	37	44	96	17.0					0.2
504816	ZD02-17.5-XP25-S006-02	38	56	109	17.5					0.3
504817	18.0-XP25-S006-02	39	56	110	18.0					0.3
504818	18.5-XP25-S006-02	40	56	111	18.5					0.3
504819	19.0-XP25-S006-02	41	56	112	19.0					0.3
504820	ZD02-19.5-XP25-S007-02	42	56	113	19.5					0.3
504821	20.0-XP25-S007-02	43	56	114	20.0					0.3
504822	20.5-XP25-S007-02	44	56	115	20.5					0.3
504823	21.0-XP25-S007-02	45	56	116	21.0					0.3
504824	21.5-XP25-S007-02	46	56	117	21.5					0.3
504825	22.0-XP25-S007-02	47	56	118	22.0					0.4
504826	ZD02-22.5-XP25-S008-02	48	56	119	22.5					0.4
504827	23.0-XP25-S008-02	49	56	123	23.0					0.4
504828	23.5-XP25-S008-02	50	56	124	23.5					0.4
504829	24.0-XP25-S008-02	51	56	125	24.0					0.4
504830	24.5-XP25-S008-02	52	56	126	24.5					0.4
504831	25.0-XP25-S008-02	53	56	127	25.0					0.4
504832	ZD02-25.5-XP32-S008-02	54	60	134	25.5					0.6
504833	26.0-XP32-S008-02	55	60	135	26.0					0.6
504834	ZD02-26.5-XP32-S009-02	56	60	136	26.5					0.6
504835	27.0-XP32-S009-02	57	60	137	27.0					0.6
504836	27.5-XP32-S009-02	58	60	138	27.5					0.6
504837	28.0-XP32-S009-02	59	60	139	28.0					0.6
504838	28.5-XP32-S009-02	60	60	140	28.5					0.6
504839	29.0-XP32-S009-02	62	60	143	29.0					0.7
504840	29.5-XP32-S009-02	63	60	144	29.5					0.7
504841	30.0-XP32-S009-02	64	60	148	30.0					0.7
504842	30.5-XP32-S009-02	65	60	149	30.5					0.7
504843	31.0-XP32-S009-02	66	60	150	31.0					0.7
504844	31.5-XP32-S009-02	67	60	151	31.5					0.7
504845	ZD02-32.0-XP32-S011-02	68	60	152	32.0					0.8
504846	32.5-XP32-S011-02	69	60	153	32.5					0.8
504847	33.0-XP32-S011-02	70	60	154	33.0					0.8
504848	33.5-XP32-S011-02	71	60	155	33.5					0.8
504849	34.0-XP32-S011-02	72	60	156	34.0					0.8
504850	34.5-XP32-S011-02	73	60	157	34.5					0.8
504851	35.0-XP32-S011-02	74	60	158	35.0					0.8
504852	35.5-XP32-S011-02	75	60	159	35.5					0.8
504853	36.0-XP32-S011-02	76	60	160	36.0					0.9
504854	36.5-XP32-S011-02	77	60	161	36.5					0.9
504855	ZD02-37.0-XP32-S013-02	79	60	169	37.0					0.9
504856	37.5-XP32-S013-02	80	60	170	37.5					0.9
504857	38.0-XP32-S013-02	81	60	171	38.0					0.9
504858	38.5-XP32-S013-02	82	60	172	38.5					0.9
504859	39.0-XP32-S013-02	83	60	173	39.0					1.0
504860	39.5-XP32-S013-02	84	60	174	39.5					1.1
504861	ZD02-40.0-XP40-S013-02	85	70	185	40.0					1.3
504862	41.0-XP40-S013-02	87	70	187	41.0					1.3
504863	42.0-XP40-S013-02	89	70	189	42.0					1.4
504864	43.0-XP40-S013-02	91	70	191	43.0					1.5
504865	ZD02-44.0-XP40-S015-02	93	70	193	44.0					1.6
504866	45.0-XP40-S015-02	95	70	195	45.0					1.7
504867	46.0-XP40-S015-02	97	70	197	46.0					1.7
504868	47.0-XP40-S015-02	99	70	199	47.0					1.8
504869	48.0-XP40-S015-02	101	70	201	48.0					1.8
504870	49.0-XP40-S015-02	103	70	203	49.0					1.9
504871	50.0-XP40-S015-02	105	70	205	50.0					1.9

3倍快速钻头-SO刀片 L1=3xD Fast Drill - SO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	重量 Weight
504880	ZD03-10.0-XP20-S004-02	33	44	92	10	20				0.2
504881	10.3-XP20-S004-02	34	44	93	10.3					0.2
504882	10.5-XP20-S004-02	35	44	94	10.5					0.2
504883	11.0-XP20-S004-02	36	44	95	11.0					0.2
504884	11.5-XP20-S004-02	38	44	97	11.5					0.2
504885	12.0-XP20-S004-02	39	44	98	12.0					0.2
504886	12.5-XP20-S004-02	41	44	100	12.5					0.2
504887	ZD03-13.0-XP20-S005-02	42	44	101	13.0					0.2
504888	13.5-XP20-S005-02	44	44	103	13.5					0.2
504889	14.0-XP20-S005-02	45	44	104	14.0					0.2
504890	14.5-XP20-S005-02	47	44	106	14.5					0.2
504891	15.0-XP20-S005-02	48	44	107	15.0					0.2
504892	15.5-XP20-S005-02	50	44	109	15.5					0.2
504893	16.0-XP20-S005-02	51	44	110	16.0					0.2
504894	ZD03-16.5-XP20-S006-02	53	44	112	16.5					0.2
504895	17.0-XP20-S006-02	54	44	113	17.0					0.2
504896	ZD03-17.5-XP25-S006-02	56	56	127	17.5					0.3
504897	18.0-XP25-S006-02	57	56	128	18.0					0.3
504898	18.5-XP25-S006-02	59	56	130	18.5					0.3
504899	19.0-XP25-S006-02	60	56	131	19.0					0.3
504900	ZD03-19.5-XP25-S007-02	62	56	133	19.5					0.3
504901	20.0-XP25-S007-02	63	56	134	20.0					0.3
504902	20.5-XP25-S007-02	65	56	136	20.5					0.4
504903	21.0-XP25-S007-02	66	56	137	21.0					0.4
504904	21.5-XP25-S007-02	68	56	139	21.5					0.4
504905	22.0-XP25-S007-02	69	56	140	22.0					0.4
504906	ZD03-22.5-XP25-S008-02	71	56	142	22.5					0.4
504907	23.0-XP25-S008-02	72	56	146	23.0					0.4
504908	23.5-XP25-S008-02	74	56	148	23.5					0.4
504909	24.0-XP25-S008-02	75	56	149	24.0					0.4
504910	24.5-XP25-S008-02	77	56	151	24.5					0.4
504911	25.0-XP25-S008-02	78	56	152	25.0					0.4
504912	ZD03-25.5-XP32-S008-02	80	60	160	25.5					0.6
504913	26.0-XP32-S008-02	81	60	161	26.0					

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切削形态: ● 稳定切削 ● 一般切削 ✖ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

应用 用途	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	切削环境 Cutting Environment									
				材料	A	B	T	L			P	M	K	N	S	H	Z	Q	W	C
钻孔刀片 Drilling Inserts			XOMT 040204-PD	0.4	4.9	4.3	2.4	2.3		刀柄: (Toolholder) K11-K12	●	●	●	●	●	●	●	●	●	●
			050204-PD	0.4	5.4	4.8	2.4	2.3			●	●	●	●	●	●	●	●	●	●
			060204-PD	0.4	6.6	5.8	2.5	2.5			●	●	●	●	●	●	●	●	●	●
			07T205-PD	0.5	7.8	6.9	2.8	2.8			●	●	●	●	●	●	●	●	●	●
			090305-PD	0.5	9.6	8.4	3.3	3.4			●	●	●	●	●	●	●	●	●	●
			11T306-PD	0.6	11.4	10.0	4.0	4.0			●	●	●	●	●	●	●	●	●	●
			130406-PD	0.6	13.6	11.9	4.5	4.5			●	●	●	●	●	●	●	●	●	●
			15M508-PD	0.8	15.9	13.9	5.0	5.5			●	●	●	●	●	●	●	●	●	●
			180508-PD	0.8	18.9	16.5	5.5	6.0			●	●	●	●	●	●	●	●	●	●
											●	●	●	●	●	●	●	●	●	●
镗孔刀片 Boring Inserts			SPMT 040204-PD	0.4	4.7	4.7	2.4	2.3		刀柄: (Toolholder) K11-K12	●	●	●	●	●	●	●	●	●	●
			050204-PD	0.4	5.1	5.1	2.4	2.3			●	●	●	●	●	●	●	●	●	●
			060205-PD	0.5	6.2	6.2	2.5	2.5			●	●	●	●	●	●	●	●	●	●
			07T208-PD	0.8	7.5	7.5	2.8	2.8			●	●	●	●	●	●	●	●	●	●
			090308-PD	0.8	9.2	9.2	3.3	3.4			●	●	●	●	●	●	●	●	●	●
			11T308-PD	0.8	11.0	11.0	4.0	4.0			●	●	●	●	●	●	●	●	●	●
			130410-PD	1.0	13.0	13.0	4.5	4.5			●	●	●	●	●	●	●	●	●	●
			15M510-PD	1.0	15.2	15.2	5.0	5.5			●	●	●	●	●	●	●	●	●	●
			180510-PD	1.0	18.2	18.2	5.5	6.0			●	●	●	●	●	●	●	●	●	●
											●	●	●	●	●	●	●	●	●	●

XO型舍弃式快速钻头 XO Type Fast Drilling Bit

2倍快速钻头-XO刀片 L1=2xD Fast Drill - XO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	单价 Price
505220	ZD02- 13.0-XP20-X004	29	50	99	13.0		XOMT040204 SPMT040204	M2.0x4	T6	
505221	13.5-XP20-X004	30	50	100	13.5					
505222	14.0-XP20-X004	31	50	101	14.0					
505223	14.5-XP20-X004	32	50	102	14.5					
505224	15.0-XP20-X005	33	50	103	15.0		XOMT050204 SPMT050204	M2.0x4	T6	
505225	15.5-XP20-X005	34	50	104	15.5					
505226	16.0-XP20-X005	35	50	105	16.0					
505227	ZD02- 16.5-XP25-X006	36	56	117	16.5					
505228	17.0-XP25-X006	37	56	118	17.0		XOMT060204 SPMT060205	M2.2x5	T6	
505229	17.5-XP25-X006	38	56	119	17.5					
505230	18.0-XP25-X006	39	56	120	18.0					
505231	18.5-XP25-X006	40	56	121	18.5					
505232	19.0-XP25-X006	41	56	122	19.0		XOMT07T205 SPMT07T208	M2.5x5	T8	
505233	19.5-XP25-X006	42	56	123	19.5					
505234	20.0-XP25-X006	43	56	124	20.0					
505235	20.5-XP25-X006	44	56	125	20.5					
505236	21.0-XP25-X007	45	56	126	21.0		XOMT090305 SPMT090308	M3.0x7	T8	
505237	21.5-XP25-X007	46	56	127	21.5					
505238	22.0-XP25-X007	47	56	128	22.0					
505239	22.5-XP25-X007	48	56	129	22.5					
505240	23.0-XP25-X007	49	56	130	23.0		XOMT11T306 SPMT11T308	M3.5x8	T15	
505241	23.5-XP25-X007	50	56	131	23.5					
505242	ZD02- 24.0-XP32-X009	51	60	141	24.0					
505243	24.5-XP32-X009	52	60	142	24.5		XOMT130406 SPMT130410	M4.0x10	T15	
505244	25.0-XP32-X009	53	60	143	25.0					
505245	25.5-XP32-X009	54	60	144	25.5					
505246	26.0-XP32-X009	55	60	145	26.0					
505247	26.5-XP32-X009	56	60	146	26.5		XOMT15M508 SPMT15M510	M5.0x12	T20	
505248	27.0-XP32-X009	57	60	147	27.0					
505249	27.5-XP32-X009	58	60	148	27.5					
505250	28.0-XP32-X009	59	60	149	28.0					
505251	28.5-XP32-X009	60	60	150	28.5		XOMT180508 SPMT180510	M5.0x12	T20	
505252	29.0-XP32-X009	61	60	151	29.0					
505253	29.5-XP32-X009	62	60	152	29.5					
505254	30.0-XP32-X009	63	60	153	30.0					
505255	31.0-XP32-X009	64	60	154	31.0		XOMT20T205 SPMT20T208	M6.0x12	T20	
505256	32.0-XP32-X011	65	60	155	32.0					
505257	33.0-XP32-X011	66	60	156	33.0					
505258	34.0-XP32-X011	67	60	157	34.0					
505259	35.0-XP32-X011	68	60	158	35.0		XOMT22T205 SPMT22T208	M7.0x12	T20	
505260	ZD02- 36.0-XP40-X013	69	70	169	36.0					
505261	37.0-XP40-X013	70	70	170	37.0					
505262	38.0-XP40-X013	71	70	171	38.0					
505263	39.0-XP40-X013	72	70	172	39.0		XOMT24T205 SPMT24T208	M8.0x12	T20	
505264	40.0-XP40-X013	73	70	173	40.0					
505265	41.0-XP40-X013	74	70	174	41.0					
505266	42.0-XP40-X013	75	70	175	42.0					
505267	43.0-XP40-X015	76	70	176	43.0		XOMT26T205 SPMT26T208	M9.0x12	T20	
505268	44.0-XP40-X015	77	70	177	44.0					
505269	45.0-XP40-X015	78	70	178	45.0					
505270	46.0-XP40-X015	79	70	179	46.0					
505271	47.0-XP40-X015	80	70	180	47.0		XOMT28T205 SPMT28T208	M10.0x12	T20	
505272	48.0-XP40-X015	81	70	181	48.0					
505273	49.0-XP40-X015	82	70	182	49.0					
505274	50.0-XP40-X015	83	70	183	50.0					
505275	51.0-XP40-X018	84	70	184	51.0		XOMT30T205 SPMT30T208	M11.0x12	T20	
505276	52.0-XP40-X018	85	70	185	52.0					
505277	53.0-XP40-X018	86	70	186	53.0					
505278	54.0-XP40-X018	87	70	187	54.0					
505279	55.0-XP40-X018	88	70	188	55.0		XOMT32T205 SPMT32T208	M12.0x12	T20	
505280	56.0-XP40-X018	89	70	189	56.0					
505281	57.0-XP40-X018	90	70	190	57.0					
505282	58.0-XP40-X018	91	70	191	58.0					
505283	59.0-XP40-X018	92	70	192	59.0		XOMT34T205 SPMT34T208	M13.0x12	T20	
505284	60.0-XP40-X018	93	70	193	60.0					

3倍快速钻头-XO刀片 L1=3xD Fast Drill - XO Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	单价 Price	
505285	ZD03- 13.0-XP20-X004	42	50	112	13.0	20	XOMT040204 SPMT040204	M2.0x4	T6		
505286	13.5-XP20-X004	44	50	114	13.5						
505287	14.0-XP20-X004	45	50	115	14.0						
505288	14.5-XP20-X004	47	50	117	14.5						
505289	15.0-XP20-X005	48	50	118	15.0						
505290	15.5-XP20-X005	50	50	120	15.5	25	XOMT050204 SPMT050204	M2.0x4	T6		
505291	16.0-XP20-X005	51	50	121	16.0						
505292	ZD03- 16.5-XP25-X006	53	56	134	16.5						
505293	17.0-XP25-X006	54	56	135	17.0						
505294	17.5-XP25-X006	56	56	137	17.5						
505295	18.0-XP25-X006	57	56	138	18.0	32	XOMT060204 SPMT060205	M2.2x5	T6		
505296	18.5-XP25-X006	59	56	140	18.5						
505297	19.0-XP25-X006	61	56	141	19.0						
505298	19.5-XP25-X006	62	56	143	19.5						
505299	20.0-XP25-X006	63	56	144	20.0						
505310	20.5-XP25-X006	65	56	146	20.5	XOMT07T205 SPMT07T208	M2.5x5	T8			
505311	21.0-XP25-X007	66	56	147	21.0						
505312	21.5-XP25-X007	68	56	149	21.5						
505313	22.0-XP25-X007	69	56	150	22.0						
505314	22.5-XP25-X007	71	56	152	22.5						
505315	23.0-XP25-X007	72	56	153	23.0	32	XOMT090305 SPMT090308	M3.0x7	T8		
505316	23.5-XP25-X007	74	56	155	23.5						
505317	ZD03- 24.0-XP32-X009	75	60	165	24.0						
505318	24.5-XP32-X009	77	60	167	24.5						
505319	25.0-XP32-X009	79	60	169	25.0						
505320	25.5-XP32-X009	80	60	170	25.5	32	XOMT11T306 SPMT11T308	M3.5x8	T15		
505321	26.0-XP32-X009	81	60	171	26.0						
505322	26.5-XP32-X009	83	60	173	26.5						
505323	27.0-XP32-X009	84	60	174	27.0						
505324	27.5-XP32-X009	86	60	176	27.5						
505325	28.0-XP32-X009	87	60	177	28.0	40	XOMT15M508 SPMT15M510	M5.0x12	T20		
505326	28.5-XP32-X009	89	60	179	28.5						
505327	29.0-XP32-X009	90	60	180	29.0						
505328	29.5-XP32-X009	92	60	182	29.5						
505329	30.0-XP32-X009	95	60	185	30.0						
505330	31.0-XP32-X009	96	60	188	31.0	XOMT130406 SPMT130410	M4.0x10	T15			
505331	32.0-XP40-X011	101	60	191	32.0						
505332	33.0-XP32-X011	104	60	194	33.0						
505333	34.0-XP32-X011	107	60	197	34.0						
505334	35.0-XP32-X011	110	60	200	35.0						
505335	ZD03- 36.0-XP40-X013	113	70	218	36.0	40	XOMT150508 SPMT150510	M5.0x12	T20		
505336	37.0-XP40-X013	116	70	221	37.0						
505337	38.0-XP40-X013	119	70	224	38.0						
505338	39.0-XP40-X013	122	70	227	39.0						
505339	40.0-XP40-X013	125	70	230	40.0						
505340	41.0-XP40-X013	128	70	233	41.0	40	XOMT180508 SPMT180510	M5.0x12	T20		
505341	42.0-XP40-X013	131	70	236	42.0						
505342	43.0-XP40-X015	134	70	239	43.0						
505343	44.0-XP40-X015	137	70	242	44.0						
505344	45.0-XP40-X015	140	70	245	45.0						
505345	46.0-XP40-X015	143	70	248	46.0	40	XOMT180508 SPMT180510	M5.0x12	T20		
505346	47.0-XP40-X015	146	70	251	47.0						
505347	48.0-XP40-X015	149	70	254	48.0						
505348	49.0-XP40-X015	152	70	257	49.0						
505349	50.0-XP40-X015	155	70	260	50.0						
505350	51.0-XP40-X018	158	70	263	51.0	40	XOMT180508 SPMT180510	M5.0x12	T20		
505351	52.0-XP40-X018	161	70	266	52.0						
505352	53.0-XP40-X018	164	70	269	53.0						
505353	54.0-XP40-X018	167	70	272	54.0						
505354	55.0-XP40-X018	170	70	275	55.0						
505355	56.0-XP40-X018	173	70	278	56.0	40	XOMT180508 SPMT180510	M5.0x12	T20		
505356	57.0-XP40-X018	176	70	281	57.0						
505357	58.0-XP40-X018	179	70	284	58.0						
505358	59.0-XP40-X018	182	70	287	59.0						
505359	60.0-XP40-X018	185	70	290	60.0						

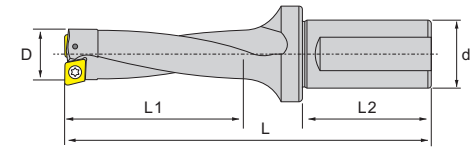
切削形态: ● 稳定切削 ● 一般切削 ⚙ 不稳定切削
Cutting Environment Stable Cutting General Cutting Unstable Cutting

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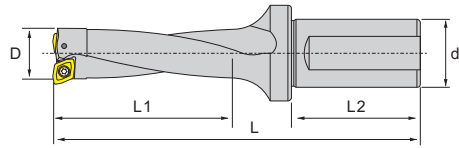
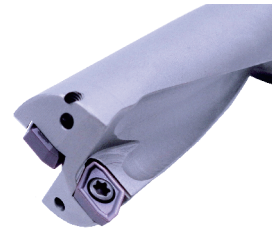
WD舍弃式快速钻头

WD Type Fast Drilling Bit



型号 Model No	Insert 刀片	parts 	d	D	D×2倍			D×3倍			D×4倍			D×5倍		
					型号	L1	Price	型号	L1	Price	型号	L1	Price	型号	L1	Price
WDX 130	WDX 042004	M1.6x4 T6	20	13.0	D2S20	29	4066	D3S20	42.0	4275	D4S20	55	4920	D5S20	68.0	5352
WDX 135				13.5	D2S20	30	4066	D3S20	43.5	4275	D4S20	57	4920	D5S20	70.5	5352
WDX 140				14.0	D2S20	31	4066	D3S20	45.0	4275	D4S20	59	4920	D5S20	73.0	5352
WDX 145				14.5	D2S20	32	4066	D3S20	46.5	4275	D4S20	61	4920	D5S20	75.5	5352
WDX 150				15.0	D2S20	33	4066	D3S20	48.0	4275	D4S20	63	4920	D5S20	78.0	5352
WDX 155	WDX 052504	M2.0x4 T6	20	15.5	D2S20	34	4160	D3S20	49.5	4379	D4S20	65	5039	D5S20	80.5	5471
WDX 160				16.0	D2S20	35	4160	D3S20	51.0	4379	D4S20	67	5039	D5S20	83.0	5471
WDX 165				16.5	D2S20	36	4160	D3S20	52.5	4379	D4S20	69	5039	D5S20	85.5	5471
WDX 170				17.0	D2S20	37	4160	D3S20	54.0	4379	D4S20	71	5039	D5S20	88.0	5471
WDX 175				17.5	D2S25	38	4361	D3S25	55.5	4588	D4S25	73	5278	D5S25	90.5	5736
WDX 180	WDX 063006	M2.2x6 T7	25	18.0	D2S25	39	4361	D3S25	57.0	4588	D4S25	75	5278	D5S25	93.0	5736
WDX 185				18.5	D2S25	40	4461	D3S25	58.5	4689	D4S25	77	5397	D5S25	95.5	5867
WDX 190				19.0	D2S25	41	4461	D3S25	60.0	4689	D4S25	79	5397	D5S25	98.0	5867
WDX 195				19.5	D2S25	42	4461	D3S25	61.5	4689	D4S25	81	5397	D5S25	100.5	5867
WDX 200				20.0	D2S25	43	4461	D3S25	63.0	4689	D4S25	83	5397	D5S25	103.0	5867
WDX 205	WDX 073506	M2.5x6 T8	25	20.5	D2S25	44	4461	D3S25	64.5	4689	D4S25	85	5397	D5S25	105.5	5867
WDX 210				21.0	D2S25	45	4461	D3S25	66.0	4689	D4S25	87	5397	D5S25	108.0	5867
WDX 215				21.5	D2S25	46	4461	D3S25	67.5	4689	D4S25	89	5397	D5S25	110.5	5867
WDX 220				22.0	D2S25	47	4461	D3S25	69.0	4689	D4S25	91	5397	D5S25	113.0	5867
WDX 225				22.5	D2S25	48	4461	D3S25	70.5	4689	D4S25	93	5397	D5S25	115.5	5867
WDX 230	WDX 073506	M2.5x6 T8	32	23.0	D2S25	49	4558	D3S25	72.0	4797	D4S25	95	5512	D5S25	118.0	5993
WDX 235				23.5	D2S25	50	4558	D3S25	73.5	4797	D4S25	97	5512	D5S25	120.5	5993
WDX 240				24.0	D2S25	51	4558	D3S25	75.0	4797	D4S25	99	5512	D5S25	123.0	5993
WDX 245				24.5	D2S25	52	4558	D3S25	76.5	4797	D4S25	101	5512	D5S25	125.5	5993
WDX 250				25.0	D2S25	53	4558	D3S25	78.0	4797	D4S25	103	5512	D5S25	128.0	5993
WDX 255	WDX 073506	M2.5x6 T8	32	25.5	D2S32	54	4752	D3S32	79.5	5002	D4S32	105	5755	D5S32	-	-
WDX 260				26.0	D2S32	55	4752	D3S32	81.0	5002	D4S32	107	5755	D5S32	133	6254
WDX 265				26.5	D2S32	56	4752	D3S32	82.5	5002	D4S32	109	5755	D5S32	-	-
WDX 270				27.0	D2S32	57	4752	D3S32	84.0	5002	D4S32	111	5755	D5S32	138	6254
WDX 275				27.5	D2S32	58	4752	D3S32	85.5	5002	D4S32	113	5755	D5S32	-	-
WDX 280	WDX 094008	M3.5x8 T15	32	28.0	D2S32	59	4752	D3S32	87.0	5002	D4S32	115	5755	D5S32	143	6254
WDX 285				28.5	D2S32	60	4752	D3S32	88.5	5002	D4S32	117	5755	D5S32	-	-
WDX 290				29.0	D2S32	62	4752	D3S32	91.0	5002	D4S32	120	5755	D5S32	149	6254
WDX 295				29.5	D2S32	63	4752	D3S32	92.5	5002	D4S32	122	5755	D5S32	-	-
WDX 300				30.0	D2S32	64	-	D3S32	94.0	-	D4S32	124	6400	D5S32	154	6776
WDX 310	WDX 094008	M3.5x8 T15	32	31.0	D2S32	66	-	D3S32	97.0	-	D4S32	128	6250	D5S32	159	6776
WDX 320				32.0	D2S32	68	-	D3S32	100	-	D4S32	132	6400	D5S32	164	6776
WDX 300				30.0	D2S40	64	5147	D3S40	94.0	5423	D4S40	124	6250	D5S40	154	6776
WDX 310				31.0	D2S40	66	5147	D3S40	97.0	5423	D4S40	128	6400	D5S40	159	6776
WDX 320				32.0	D2S40	68	5147	D3S40	100	5423	D4S40	132	6250	D5S40	164	6776
WDX 330	WDX 094008	M3.5x8 T15	32	33.0	D2S40	70	5147	D3S40	103	5423	D4S40	136	6250	D5S40	169	6776
WDX 340				34.0	D2S40	72	5147	D3S40	106	5423	D4S40	140	6250	D5S40	174	6776
WDX 350				35.0	D2S40	74	5147	D3S40	109	5423	D4S40	144	6250	D5S40	179	6776
WDX 360				36.0	D2S40	76	5147	D3S40	112	5423	D4S40	148	6250	D5S40	184	6776
WDX 370				37.0	D2S40	79	5941	D3S40	116	6254	D4S40	153	7190	D5S40	190	
WDX 380	WDX 125012	M5.0x12 T15	40	38.0	D2S40	81	5941	D3S40	119	6254	D4S40	157	7190	D5S40	195	
WDX 390				39.0	D2S40	83	5941	D3S40	122	6254	D4S40	161	7190	D5S40	200	
WDX 400				40.0	D2S40	85	5941	D3S40	125	6254	D4S40	165	7190	D5S40	205	
WDX 410				41.0	D2S40	87	5941	D3S40	128	6254	D4S40	169	7190	D5S40	210	
WDX 420				42.0	D2S40	89	5941	D3S40	131	6254	D4S40	173	7190	D5S40	215	
WDX 430	WDX 125012	M5.0x12 T15	40	43.0	D2S40	91	5941	D3S40	134	6254	D4S40	177	7190	D5S40	220	
WDX 440				44.0	D2S40	93	5941	D3S40	137	6254	D4S40	181	7190	D5S40	225	
WDX 450				45.0	D2S40	95	5941	D3S40	140	6254	D4S40	185	7190	D5S40	230	
WDX 460				46.0	D2S40	97	6444	D3S40	143	6776	D4S40	189	7797	D5S40	235	
WDX 470				47.0	D2S40	99	6444	D3S40	146	6776	D4S40	193	7797	D5S40	240	
WDX 480	WDX 156012	M6.0x15 T15	40	48.0	D2S40	101	6444	D3S40	149	6776	D4S40	197	7797	D5S40	245	
WDX 490				49.0	D2S40	103	6444	D3S40	152	6776	D4S40	201	7797	D5S40	250	
WDX 500				50.0	D2S40	105	6444	D3S40	155	6776	D4S40	205	7797	D5S40	255	
WDX 510				51.0	D2S40	107	6765	D3S40	158	7115	D4S40	209	8192	D5S40	260	
WDX 520				52.0	D2S40	109	6765	D3S40	161	7115	D4S40	213	8192	D5S40	265	
WDX 530	WDX 156012	M6.0x15 T15	40	53.0	D2S40	111	6765	D3S40	164	7115	D4S40	217	8192	D5S40	270	
WDX 540				54.0	D2S40	113	6765	D3S40	167	7115	D4S40	221	8192	D5S40	275	
WDX 550				55.0	D2S40	115	6765	D3S40	170	7115	D4S40	225	8192	D5S40	280	
WDX 560				56.0	D2S40	120	7611	D3S40	176	8442	D4S40	232	9642	D5S40		
WDX 570				57.0	D2S40	122	7611	D3S40	179	8442	D4S40	236	9642	D5S40		
WDX 580	WDX 186012	M6.0x15 T15	40	58.0	D2S40	124	7611	D3S40	182	8442	D4S40	240	9642	D5S40		
WDX 590				59.0	D2S40	126	7611	D3S40	185	8442	D4S40	244	9642	D5S40		
WDX 600				60.0	D2S40	128	7611	D3S40	188	8442	D4S40	248	9642	D5S40		
WDX 610				61.0	D2S40	130	7924	D3S40	191	8807	D4S40	252	10112	D5S40		
WDX 620				62.0	D2S40	132	7924	D3S40	194	8807	D4S40	256	10112	D5S40		
WDX 630	WDX 186012	M6.0x15 T15	40	63.0	D2S40	134	7924	D3S40	197	8807	D4S40	260	10112	D5S40		
WDX 640				64.0	D2S40	136	7924	D3S40	200	8807	D4S40			D5S40		
WDX 650				65.0	D2S40	138	7924	D3S40	203	8807	D4S40			D5S40		

TAF舍弃式快速钻头
TAF Discard Quick Drill



		切削形态: Cutting Environment		● 稳定切削 Stable Cutting	● 一般切削 General Cutting	✖ 不稳定切削 Unstable Cutting		
P	钢	Steel		●	●	✖	●	●
M	不锈钢	Stainless Steel		●	●	✖	●	●
K	铸铁	Iron		●	●	✖	●	●
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood		●	●	✖	●	●
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy		●	●	✖	●	●
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber		●	●	✖	●	●
用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)				
钻孔加工 Drilling Process			GCMT 040204-U2 GPMT 060204-U2 070204-U2 090304-U2 11T308-U2 140408-U2	φC	A	B	T	配套刀柄 Matching Toolholder
				0.4	5.0	4.7	2.38	刀柄: (Toolholder) K16
				0.4	5.56	-	2.38	●
				0.4	6.35	-	2.38	●
				0.4	7.94	-	3.18	●
				0.8	9.525	-	3.97	●
				0.8	12.7	-	4.76	●

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四角高效
单面有孔
钻孔刀片

		切削形态: Cutting Environment		● 稳定切削 Stable Cutting		● 一般切削 General Cutting		✖ 不稳定切削 Unstable Cutting														
P	钢	Steel						● ● ● ● ● ● ● ●														
M	不锈钢	Stainless Steel						● ● ● ● ● ● ● ●														
K	铸铁	Iron						● ● ● ● ● ● ● ●														
N	铝/铜/镁/锌/塑料/木材	Aluminum/Copper/Magnesium/Zinc/Plastic/Wood						● ● ● ● ● ● ● ●														
S	硬质合金/粉末冶金	Carbide/Powder Metallurgy						● ● ● ● ● ● ● ●														
H	钛/高温合金/碳纤维	Titanium/Superalloy/Carbon Fiber						● ● ● ● ● ● ● ●														
用途 Application	产品图片 Product Image	几何尺寸 Dimensioning	规格型号 Specification	尺寸 Dimension (mm)						配套刀柄 Matching Toolholder	不稳定切削 Unstable Cutting											
				r℄	A	B	T	L	a		POD	CBN-K	CBN-S	CBN-L	ZK01	ZC03S	ZC201	ZN101	ZN102	ZN103	ZN104	ZN105
钻孔加工 Drilling Processing			880- 010203H-C-LM	0.3	4.80	-	2.2	-	-	刀柄: (Toolholder) K15	●	●	●	●	●	●	●	●	●	●	●	
			020204H-C-LM	0.4	4.90	-	2.4	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			030305H-C-LM	0.5	5.70	-	2.6	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			040305H-C-LM	0.5	6.80	-	2.8	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			050305H-C-LM	0.5	8.40	-	3.0	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			060406H-C-LM	0.6	10.20	-	3.5	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			070406H-C-LM	0.6	12.35	-	4.0	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			080508H-C-LM	0.8	14.85	-	4.5	-	-		●	●	●	●	●	●	●	●	●	●	●	●
			090608H-C-LM	0.8	17.90	-	5.5	-	-		●	●	●	●	●	●	●	●	●	●	●	●
钻孔加工 Drilling Processing			880- 020204H-C-GM	0.4	4.90	-	2.4	-	-	刀柄: (Toolholder) K15	●	●	●	●	●	●	●	●	●	●	●	
			030305H-C-GM	0.5	5.70	-	2.6	-	-		●	●	●	●	●	●	●	●	●	●	●	
			040305H-C-GM	0.5	6.80	-	2.8	-	-		●	●	●	●	●	●	●	●	●	●	●	
			050305H-C-GM	0.5	8.40	-	3.0	-	-		●	●	●	●	●	●	●	●	●	●	●	
			060406H-C-GM	0.6	10.20	-	3.5	-	-		●	●	●	●	●	●	●	●	●	●	●	
			070406H-C-GM	0.6	12.35	-	4.0	-	-		●	●	●	●	●	●	●	●	●	●	●	
			080508H-C-GM	0.8	14.85	-	4.5	-	-		●	●	●	●	●	●	●	●	●	●	●	
			090608H-C-GM	0.8	17.90	-	5.5	-	-		●	●	●	●	●	●	●	●	●	●	●	
			钻孔加工 Drilling Processing			880- 010203H-C-GR	0.3	4.80	-		2.2	-	-	刀柄: (Toolholder) K15	●	●	●	●	●	●	●	●
020204H-C-GR	0.4	4.90				-	2.4	-	-	●	●	●	●		●	●	●	●	●	●	●	
030305H-C-GR	0.5	5.70				-	2.6	-	-	●	●	●	●		●	●	●	●	●	●	●	
040305H-C-GR	0.5	6.80				-	2.8	-	-	●	●	●	●		●	●	●	●	●	●	●	
050305H-C-GR	0.5	8.40				-	3.0	-	-	●	●	●	●		●	●	●	●	●	●	●	
060406H-C-GR	0.6	10.20				-	3.5	-	-	●	●	●	●		●	●	●	●	●	●	●	
070406H-C-GR	0.6	12.35				-	4.0	-	-	●	●	●	●		●	●	●	●	●	●	●	
080508H-C-GR	0.8	14.85				-	4.5	-	-	●	●	●	●		●	●	●	●	●	●	●	
090608H-C-GR	0.8	17.90				-	5.5	-	-	●	●	●	●		●	●	●	●	●	●	●	

880系列快速钻头库存请咨询客服!
880 series quick drill stock please contact customer service!

型号 Model No	Insert 刀片	parts 	(d) 接口	D1	D×2倍				D×3倍				D×4倍			
					Order	型号	L1	Price	Order	型号	L1	Price	Order	型号	L1	Price
TAF	GCMT 040204-U..	M2.0x4 T6	(20) PT 1/8	12.0	556100	S1200F20	29	1100	556300	M1200F20	41	1320	556500	L1200F20	55	1584
TAF				12.5	556102	S1250F20	29	1100	556302	M1250F20	41	1320	556502	L1250F20	55	1584
TAF				13.0	556104	S1300F20	31	1100	556304	M1300F20	44	1320	556504	L1300F20	60	1584
TAF				13.5	556106	S1350F20	31	1100	556306	M1350F20	44	1320	556506	L1350F20	60	1584
TAF				14.0	556108	S1400F20	33	1100	556308	M1400F20	47	1320	556508	L1400F20	60	1584
TAF				14.5	556110	S1450F20	33	1100	556310	M1450F20	47	1320	556510	L1450F20	60	1584
TAF				15.0	556112	S1500F20	35	900	556312	M1500F20	50	1080	556512	L1500F20	70	1296
TAF				15.5	556114	S1550F20	35	900	556314	M1550F20	50	1080	556514	L1550F20	70	1296
TAF				16.0	556116	S1600F25	38	900	556316	M1600F25	54	1080	556516	L1600F25	75	1296
TAF				16.5	556118	S1650F25	38	900	556318	M1650F25	54	1080	556518	L1650F25	75	1296
TAF	GPMT 060204-U..	M2.5x6 T8	(25) PT 1/8	17.0	556120	S1700F25	41	900	556320	M1700F25	58	1080	556520	L1700F25	75	1296
TAF				17.5	556122	S1750F25	41	900	556322	M1750F25	58	1080	556522	L1750F25	75	1296
TAF				18.0	556124	S1800F25	43	900	556324	M1800F25	61	1080	556524	L1800F25	79	1296
TAF				18.5	556126	S1850F25	43	900	556326	M1850F25	61	1080	556526	L1850F25	79	1296
TAF				19.0	556128	S1900F25	46	900	556328	M1900F25	65	1080	556528	L1900F25	84	1296
TAF				19.5	556130	S1950F25	46	900	556330	M1950F25	65	1080	556530	L1950F25	84	1296
TAF				20.0	556132	S2000F25	48	900	556332	M2000F25	68	1080	556532	L2000F25	88	1296
TAF				20.5	556134	S2050F25	48	1000	556334	M2050F25	68	1200	556534	L2050F25	88	1440
TAF				21.0	556136	S2100F25	50	1000	556336	M2100F25	71	1200	556536	L2100F25	92	1440
TAF				21.5	556138	S2150F25	50	1000	556338	M2150F25	71	1200	556538	L2150F25	92	1440
TAF	GPMT 070204-U..	M3.0x8 T8	(32) PT 1/8	22.0	556140	S2200F25	53	1000	556340	M2200F25	75	1200	556540	L2200F25	97	1440
TAF				22.5	556142	S2250F25	53	1000	556342	M2250F25	75	1200	556542	L2250F25	97	1440
TAF				23.0	556144	S2300F25	55	1000	556344	M2300F25	78	1200	556544	L2300F25	101	1440
TAF				23.5	556146	S2350F25	55	1000	556346	M2350F25	78	1200	556546	L2350F25	101	1440
TAF				24.0	556148	S2400F25	58	1000	556348	M2400F25	82	1200	556548	L2400F25	106	1440
TAF				24.5	556150	S2450F25	58	1000	556350	M2450F25	82	1200	556550	L2450F25	106	1440
TAF				25.0	556152	S2500F32	60	1000	556352	M2500F32	85	1200	556552	L2500F32	110	1440
TAF				25.5	556154	S2550F32	60	1000	556354	M2550F32	85	1200	556554	L2550F32	110	1440
TAF				26.0	556156	S2600F32	62	1200	556356	M2600F32	88	1440	556556	L2600F32	114	1728
TAF				26.5	556158	S2650F32	62	1200	556358	M2650F32	88	1440	556558	L2650F32	114	1728
TAF	GPMT 090304-U..	M4.0x9 T15	(40) PT 1/4	27.0	556160	S2700F32	65	1200	556360	M2700F32	92	1440	556560	L2700F32	119	1728
TAF				27.5	556162	S2750F32	65	1200	556362	M2750F32	92	1440	556562	L2750F32	119	1728
TAF				28.0	556164	S2800F32	67	1200	556364	M2800F32	95	1440	556564	L2800F32	123	1728
TAF				28.5	556166	S2850F32	67	1200	556366	M2850F32	95	1440	556566	L2850F32	123	1728
TAF				29.0	556168	S2900F32	70	1200	556368	M2900F32	99	1440	556568	L2900F32	128	1728
TAF				29.5	556170	S2950F32	70	1200	556370	M2950F32	99	1440	556570	L2950F32	128	1728
TAF				30.0	556172	S3000F40	82	1200	556372	M3000F40	102	1440	556572	L3000F40	132	1728
TAF				31.0	556174	S3100F40	74	1300	556374	M3100F40	105	1560	556574	L3100F40	136	1872
TAF				32.0	556176	S3200F40	77	1300	556376	M3200F40	109	1560	556576	L3200F40	141	1872
TAF				33.0	556178	S3300F40	79	1300	556378	M3300F40	112	1560	556578	L3300F40	145	1872
TAF	GPMT 11T308-U..	M5.5x12 T20	(40) PT 1/4	34.0	556180	S3400F40	82	1300	556380	M3400F40	116	1560	556580	L3400F40	150	1872
TAF				35.0	556182	S3500F40	84	1300	556382	M3500F40	119	1560	556582	L3500F40	150	1872
TAF				36.0	556184	S3600F40	86	1500	556384	M3600F40	122	1800	556584	L3600F40	154	2160
TAF				37.0	556186	S3700F40	89	1500	556386	M3700F40	126	1800	556586	L3700F40	158	2160
TAF				38.0	556188	S3800F40	91	1500	556388	M3800F40	129	1800	556588	L3800F40	162	2160
TAF				39.0	556190	S3900F40	94	1500	556390	M3900F40	133	1800	556590	L3900F40	166	2160
TAF				40.0	556192	S4000F40	96	1500	556392	M4000F40	136	1800	556592	L4000F40	170	2160
TAF				41.0	556194	S4100F40	98	1800	556394	M4100F40	139	2160	556594	L4100F40	174	2592
TAF				42.0	556196	S4200F40	101	1800	556396	M4200F40	143	2160	556596	L4200F40	178	2592
TAF				43.0	556198	S4300F40	103	1800	556398	M4300F40	146	2160	556598	L4300F40	182	2592
TAF	GPMT 140408-U..	M3.0x8 T8	(40) PT 1/4	44.0	556200	S4400F40	106	1800	556400	M4400F40	150	2160	556600	L4400F40	186	2592
TAF				45.0	556202	S4500F40	108	1800	556402	M4500F40	153	2160	556602	L4500F40	190	2592
TAF				46.0	556204	S4600F40	110	2000	556404	M4600F40	156	2400	556604	L4600F40	194	2880
TAF				47.0	556206	S4700F40	113	2000	556406	M4700F40	160	2400	556606	L4700F40	198	2880
TAF				48.0	556208	S4800F40	115	2000	556408	M4800F40	163	2400	556608	L4800F40	202	2880
TAF				49.0	556210	S4900F40	118	2000	556410	M4900F40	167	2400	556610	L4900F40	206	2880
TAF				50.0	556212	S5000F40	120	2000	556412	M5000F40	170	2400	556612	L5000F40	210	2880
TAF				51.0	556214	S5100F40	122	2500	556414	M5100F40	173	3000	556614	L5100F40	214	3600
TAF				52.0	556216	S5200F40	125	2500	556416	M5200F40	177	3000	556616	L5200F40	218	3600
TAF				53.0	556218	S5300F40	127	2500	556418	M5300F40	180	3000	556618	L5300F40	222	3600
TAF	GPMT 090304-U..	M3.0x8 T8	(40) PT 1/4	54.0	556220	S5400F40	128	2500	556420	M5400F40	182	3000	556620	L5400F40	226	3600
TAF				55.0	556222	S5500F40	130	3000	556422	M5500F40	185	3600	556622	L5500F40	230	4320
TAF				56.0	556224	S5600F40	132	3000	556424	M5600F40	188	3600	556624	L5600F40	234	4320
TAF				57.0	556226	S5700F40	135	3000	556426	M5700F40	191	3600	556626	L5700F40	238	4320

硬质合金铲钻刀杆

3D直槽侧固柄 3D Straight Groove Side Fixing Carbide Toolholder

Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料Material	Price
500100	SDT03-11.0-11.9-H-XP20	112	36	48	11.0-11.9	20	M1.8*4.5	T6	
500102	SDT03-12.0-12.9-H-XP20	116	39	48	12.0-12.9	20	M2*5	T6	
500104	SDT03-13.0-13.9-H-XP20	118	42	48	13.0-13.9	20	M2*5	T6	
500106	SDT03-14.0-14.9-H-XP20	122	45	48	14.0-14.9	20	M2*5	T6	
500108	SDT03-15.0-15.9-H-XP20	126	48	48	15.0-15.9	20	M2*5	T6	
500110	SDT03-16.0-16.9-H-XP20	130	51	48	16.0-16.9	20	M2.5*6	T8	
500112	SDT03-17.0-17.9-H-XP20	134	54	48	17.0-17.9	20	M2.5*7	T8	
500114	SDT03-18.0-19.9-H-XP25	150	57	56	18.0-19.9	25	M3*7.5	T10	
500116	SDT03-20.0-21.9-H-XP25	156	66	56	20.0-21.9	25	M3*7.5	T10	
500118	SDT03-22.0-23.9-H-XP25	162	72	56	22.0-23.9	25	M3*9	T10	
500120	SDT03-24.0-25.9-H-XP25	168	78	56	24.0-25.9	25	M3*9	T10	
500122	SDT03-26.0-28.9-H-XP32	186	87	60	26.0-28.9	32	M4*10	T15	
500124	SDT03-29.0-31.9-H-XP32	195	96	60	29.0-31.9	32	M4*10	T15	
500126	SDT03-32.0-35.0-H-XP32	205	105	60	32.0-35.0	32	M4*10	T15	

高速钢铲钻刀杆

3D莫氏柄铲钻规格 3D Steel Morse Toolholder

Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料Material	Price
501100	SDS03-09.5-11.0-MT2	181	36	80	9.5-11.0	MT2	M2*5	T6	7281
501102	SDS03-11.1-12.9-MT2	187	42	80	11.1-12.9	MT2	M2*5	T6	7281
501104	SDS03-13.0-15.0-MT2	193	48	80	13.0-15.0	MT2	M2.5*6	T8	7281
501106	SDS03-15.1-17.5-MT2	200	55	80	15.1-17.5	MT2	M2.5*6	T8	7500
501108	SDS03-17.6-19.5-MT3	226	61	99	17.6-19.5	MT3	M3*8	T10	8250
501110	SDS03-19.6-21.5-MT3	232	67	99	19.6-21.5	MT3	M3*8	T10	8250
501112	SDS03-21.6-24.4-MT3	241	76	99	21.6-24.4	MT3	M3*8	T10	8250
501114	SDS03-24.5-26.5-MT4	284	82	124	24.5-26.5	MT4	M3.5*10	T15	9156
501116	SDS03-26.6-28.5-MT4	290	88	124	26.6-28.5	MT4	M3.5*10	T15	9156
501118	SDS03-28.6-30.5-MT4	296	94	124	28.6-30.5	MT4	M3.5*10	T15	9500
501120	SDS03-30.6-32.5-MT4	302	100	124	30.6-32.5	MT4	M3.5*10	T15	9500
501122	SDS03-32.6-34.9-MT4	309	107	124	32.6-34.9	MT4	M3.5*10	T15	9500
501124	SDS03-35.0-37.9-MT5	360	11	156	35.0-37.9	MT5	M3.5*10	T15	10594
501126	SDS03-38.0-40.9-MT5	369	125	156	38.0-40.9	MT5	M3.5*10	T15	10594
501128	SDS03-41.0-43.9-MT5	378	134	156	41.0-43.9	MT5	M3.5*10	T15	11000
501130	SDS03-44.0-47.9-MT5	390	146	156	44.0-47.9	MT5	M3.5*10	T15	11469
501132	SDS03-48.0-51.9-MT5	402	158	156	48.0-51.9	MT5	M5*15	T20	12031
501134	SDS03-52.0-55.9-MT5	414	170	156	52.0-55.9	MT5	M5*15	T20	12656
501136	SDS03-56.0-59.9-MT5	426	182	156	56.0-59.9	MT5	M5*15	T20	13281
501138	SDS03-60.0-65.0-MT5	442	198	156	60.0-65.0	MT5	M5*15	T20	13875

高速钢铲钻刀杆

3D侧固柄铲钻规格 3D Steel Side Fixing Toolholder

Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料Material	Price
502100	SDS03-09.5-11.0-P20	106	36	48	9.5-11.0	20	M2*5	T6	5375
502102	SDS03-11.1-12.9-P20	112	42	48	11.1-12.9	20	M2*5	T6	5375
502104	SDS03-13.0-15.0-P20	118	48	48	13.0-15.0	20	M2.5*6	T8	5375
502106	SDS03-15.1-17.5-P20	125	55	48	15.1-17.5	20	M2.5*6	T8	5563
502108	SDS03-17.6-19.5-P25	140	61	56	17.6-19.5	25	M3*8	T10	5781
502110	SDS03-19.6-21.5-P25	146	67	56	19.6-21.5	25	M3*8	T10	5781
502112	SDS03-21.6-24.4-P25	155	76	56	21.6-24.4	25	M3*8	T10	5781
502114	SDS03-24.5-26.5-P32	170	82	60	24.5-26.5	32	M3.5*10	T15	5969
502116	SDS03-26.6-28.5-P32	176	88	60	26.6-28.5	32	M3.5*10	T15	5969
502118	SDS03-28.6-30.5-P32	182	94	60	28.6-30.5	32	M3.5*10	T15	6313
502120	SDS03-30.6-32.5-P32	188	100	60	30.6-32.5	32	M3.5*10	T15	6313
502122	SDS03-32.6-34.9-P32	195	107	60	32.6-34.9	32	M3.5*10	T15	6313
502124	SDS03-35.0-37.9-P32	206	116	60	35.0-37.9	32	M3.5*10	T15	6656
502126	SDS03-38.0-40.9-P32	215	125	60	38.0-40.9	32	M3.5*10	T15	6656
502128	SDS03-41.0-43.9-P40	232	134	65	41.0-43.9	40	M3.5*10	T15	7094
502130	SDS03-44.0-47.9-P40	244	146	65	44.0-47.9	40	M3.5*10	T15	7563
502132	SDS03-48.0-51.9-P40	256	158	65	48.0-51.9	40	M5*15	T20	8125
502134	SDS03-52.0-55.9-P40	268	170	65	52.0-55.9	40	M5*15	T20	8719
502136	SDS03-56.0-59.9-P40	280	182	65	56.0-59.9	40	M5*15	T20	9344
502138	SDS03 60.0-65.0-P40	296	198	65	60.0-65.0	40	M5*15	T20	9969

5D直槽侧固柄

5D Straight Groove Side Fixing Carbide Toolholder

Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料Material	Price
500200	SDT05-11.0-11.9-H-XP20	136	60	48	11.0-11.9	20	M1.8*4.5	T6	
500202	SDT05-12.0-12.9-H-XP20	142	65	48	12.0-12.9	20	M2*5	T6	
500204	SDT05-13.0-13.9-H-XP20	146	70	48	13.0-13.9	20	M2*5	T6	
500206	SDT05-14.0-14.9-H-XP20	152	75	48	14.0-14.9	20	M2*5	T6	
500208	SDT05-15.0-15.9-H-XP20	158	80	48	15.0-15.9	20	M2*5	T6	
500210	SDT05-16.0-16.9-H-XP20	164	85	48	16.0-16.9	20	M2.5*6	T8	
500212	SDT05-17.0-17.9-H-XP20	170	90	48	17.0-17.9	20	M2.5*7	T8	
500214	SDT05-19.0-19.9-H-XP25	190	100	56	18.0-19.9	25	M3*7.5	T10	
500216	SDT05-20.0-21.9-H-XP25	200	110	56	20.0-21.9	25	M3*7.5	T10	
500218	SDT05-22.0-23.9-H-XP25	210	120	56	22.0-23.9	25	M3*9	T10	
500220	SDT05-24.0-25.9-H-XP25	220	130	56	24.0-25.9	25	M3*9	T10	
500222	SDT05-26.0-28.9-H-XP32	245	145	60	26.0-28.9	32	M4*10	T15	
500224	SDT05-29.0-31.9-H-XP32	259	160	60	29.0-31.9	32	M4*10	T15	
500226	SDT05-32.0-35.0-H-XP32	275	175	60	32.0-35.0	32	M4*10	T15	

5D莫氏柄铲钻规格

5D Steel Morse Toolholder

Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料Material	Price
501200	SDS05-09.5-11.0-MT2	203	58	80	9.5-11.0	MT2	M2*5	T6	8063
501202	SDS05-11.1-12.9-MT2	213	68	80	11.1-12.9	MT2	M2*5	T6	8063
501204	SDS05-13.0-15.0-MT2	223	78	80	13.0-15.0	MT2	M2.5*6	T8	8063
501206	SDS05-15.1-17.5-MT2	235	90	80	15.1-17.5	MT2	M2.5*6	T8	8313
501208	SDS05-17.6-19.5-MT3	265	100	99	17.6-19.5	MT3	M3*8	T10	9094
501210	SDS05-19.6-21.5-MT3	275	110	99	19.6-21.5	MT3	M3*8	T10	9094
501212	SDS05-21.6-24.4-MT3	290	125	99	21.6-24.4	MT3	M3*8	T10	9094
501214	SDS05-24.5-26.5-MT4	337	135	124	24.5-26.5	MT4	M3.5*10	T15	10031
501216	SDS05-26.6-28.5-MT4	347	145	124	26.6-28.5	MT4	M3.5*10	T15	10031
501218	SDS05-28.6-30.5-MT4	357	155	124	28.6-30.5	MT4	M3.5*10	T15	10438
501220	SDS05-30.6-32.5-MT4	367	165	124	30.6-32.5	MT4	M3.5*10	T15	10438
501222	SDS05-32.6-34.9-MT4	380	178	124	32.6-34.9	MT4	M3.5*10	T15	10438
501224	SDS05-35.0-37.9-MT5	436	192	156	35.0-37.9	MT5	M3.5*10	T15	11594
501226	SDS05-38.0-40.9-MT5	452	208	156	38.0-40.9	MT5	M3.5*10	T15	11594
501228	SDS05-41.0-43.9-MT5	566	222	156	41.0-43.9	MT5	M3.5*10	T15	12063
501230	SDS05-44.0-47.9-MT5	486	242	156	44.0-47.9	MT5	M3.5*10	T15	12625
501232	SDS05-48.0-51.9-MT5	506	262	156	48.0-51.9	MT5	M5*15	T20	13281
501234	SDS05-52.0-55.9-MT5	526	282	156	52.0-55.9	MT5	M5*15	T20	13969
501236	SDS05-56.0-59.9-MT5	546	302	156	56.0-59.9	MT5	M5*15	T20	14688
501238	SDS05 60.0-65.0-MT5	572	328	156	60.0-65.0	MT5	M5*15	T20	15406

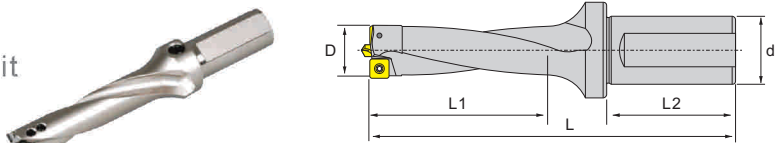
5D侧固柄铲钻规格

5D Steel Side Fixing Toolholder

Order	型号 Model	L	L1	L2	D	D1	螺丝 screw	材料Material	Price
502200	SDS05-09.5-11.0-P20	128	58	48	9.5-11.0	20	M2*5	T6	6156
502202	SDS05-11.1-12.9-P20	138	68	48	11.1-12.9	20	M2*5	T6	6156
502204	SDS05-13.0-15.0-P20	148	78	48	13.0-15.0	20	M2.5*6	T8	6156
502206	SDS05-15.1-17.5-P20	160	90	48	15.1-17.5	20	M2.5*6	T8	6406
502208	SDS05-17.6-19.5-P25	179	100	56	17.6-19.5	25	M3*8	T10	6625
502210	SDS05-19.6-21.5-P25	189	110	56	19.6-21.5	25	M3*8	T10	6625
502212	SDS05-21.6-24.4-P25	204	125	56	21.6-24.4	25	M3*8	T10	6625
502214	SDS05-24.5-26.5-P32	223	135	60	24.5-26.5	32	M3.5*10	T15	6875
502216	SDS05-26.6-28.5-P32	233	145	60	26.6-28.5	32	M3.5*10	T15	6875
502218	SDS05-28.6-30.5-P32	243	155	60	28.6-30.5	32	M3.5*10	T15	7281
502220	SDS05-30.6-32.5-P32	253	165	60	30.6-32.5	32	M3.5*10	T15	7281
502222	SDS05-32.6-34.9-P32	266	178	60	32.6-34.9	32	M3.5*10	T15	7281
502224	SDS05-35.0-37.9-P32	282	192	60	35.0-37.9	32	M3.5*10	T15	7656
502226	SDS05-38.0-40.9-P32	298	208	60	38.0-40.9	32	M3.5*10	T15	7656
502228	SDS05-41.0-43.9-P40	320	222	65	41.0-43.9	40	M3.5*10	T15	8156
502230	SDS05-44.0-47.9-P40	332	242	65	44.0-47.9	40	M3.5*10	T15	8688
502232	SDS05-48.0-51.9-P40	352	262	65	48.0-51.9	40	M5*15	T20	9344
502234	SDS05-52.0-55.9-P40	372	282	65	52.0-55.9	40	M5*15	T20	10031
502236	SDS05-56.0-59.9-P40	392	302	65	56.0-59.9	40	M5*15	T20	10750
502238	SDS05 60.0-65.0-P40	426	328	65	60.0-65.0	40	M5*15	T20	11465

SP型带定心快速钻头

SP Type Centering Fast Drilling Bit



6倍快速钻头-SP刀片

L1=6xD Centering Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505435	ZD06- 18.0-XP25-SP05H06	112	56	198	18.0		SPMG 0502..	M2.0x4	T6	PLD- 0620TIN	
505436	18.5-XP25-SP05H06	115	56	201	18.5						
505437	19.0-XP25-SP05H06	118	56	204	19.0						
505438	19.5-XP25-SP05H06	121	56	207	19.5						
505439	20.0-XP25-SP06H06	124	56	210	20.0		SPMG 0602..	M2.2x5	T6	PLD- 0620TIN	
505440	20.5-XP25-SP06H06	127	56	213	20.5						
505441	21.0-XP25-SP06H06	130	56	216	21.0						
505442	21.5-XP25-SP06H06	133	56	219	21.5						
505443	22.0-XP25-SP06H06	136	56	222	22.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505444	22.5-XP25-SP06H06	139	56	225	22.5						
505445	23.0-XP25-SP06H06	142	56	228	23.0						
505446	23.5-XP25-SP06H06	145	56	231	23.5						
505447	24.0-XP25-SP06H06	148	56	234	24.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505448	24.5-XP25-SP06H06	151	56	237	24.5						
505449	25.0-XP25-SP06H06	154	56	240	25.0						
505450	25.5-XP32-SP07H08	157	60	252	25.5						
505451	26.0-XP32-SP07H08	160	60	255	26.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505452	26.5-XP32-SP07H08	163	60	258	26.5						
505453	27.0-XP32-SP07H08	166	60	261	27.0						
505454	27.5-XP32-SP07H08	169	60	264	27.5						
505455	28.0-XP32-SP07H08	172	60	267	28.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505456	28.5-XP32-SP07H08	175	60	270	28.5						
505457	29.0-XP32-SP07H08	178	60	273	29.0						
505458	29.5-XP32-SP07H08	181	60	276	29.5						
505459	30.0-XP32-SP07H08	184	60	279	30.0						

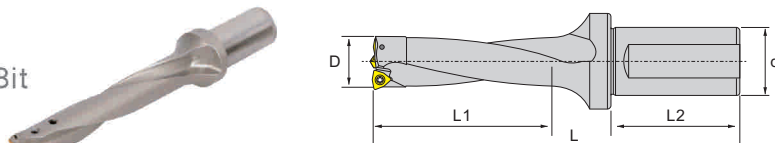
8倍快速钻头-SP刀片

L1=8xD Centering Fast Drill - SP Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505460	ZD08- 18.0-XP25-SP05H06	149	56	235	18.0		SPMG 0502..	M2.0x4	T6	PLD- 0620TIN	
505461	18.5-XP25-SP05H06	153	56	239	18.5						
505462	19.0-XP25-SP05H06	157	56	243	19.0						
505463	19.5-XP25-SP05H06	161	56	247	19.5						
505464	20.0-XP25-SP06H06	165	56	251	20.0		SPMG 0602..	M2.2x5	T6	PLD- 0620TIN	
505465	20.5-XP25-SP06H06	169	56	255	20.5						
505466	21.0-XP25-SP06H06	173	56	259	21.0						
505467	21.5-XP25-SP06H06	177	56	263	21.5						
505468	22.0-XP25-SP06H06	181	56	267	22.0		SPMG 0602..	M2.2x5	T6	PLD- 0620TIN	
505469	22.5-XP25-SP06H06	185	56	271	22.5						
505470	23.0-XP25-SP06H06	189	56	175	23.0						
505471	23.5-XP25-SP06H06	193	56	179	23.5						
505472	24.0-XP25-SP06H06	197	56	283	24.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505473	24.5-XP25-SP06H06	201	56	287	24.5						
505474	25.0-XP25-SP06H06	205	56	291	25.0						
505475	25.5-XP32-SP07H08	209	60	304	25.5						
505476	26.0-XP32-SP07H08	213	60	308	26.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505477	26.5-XP32-SP07H08	217	60	312	26.5						
505478	27.0-XP32-SP07H08	221	60	316	27.0						
505479	27.5-XP32-SP07H08	225	60	320	27.5						
505480	28.0-XP32-SP07H08	229	60	324	28.0		SPMG 07T3..	M2.5x6	T8	PLD- 0825TIN	
505481	28.5-XP32-SP07H08	233	60	328	28.5						
505482	29.0-XP32-SP07H08	237	60	332	29.0						
505483	29.5-XP32-SP07H08	241	60	336	29.5						
505484	30.0-XP32-SP07H08	245	60	340	30.0						

WC型带定心快速钻头

WC Type Centering Fast Drilling Bit



5倍快速钻头-WC刀片

L1=5xD Centering Fast Drill - WC Type

编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505485	ZD05- 25.0-XP32-WC03H06	150	60	240	25.0		WCMX03..	M2.5x5	T8	PLD- 0620TIN	
505486	25.0-XP32-WC04H06	150	60	240	26.0						
505487	27.0-XP32-WC04H06	150	60	240	27.0						
505488	28.0-XP32-WC04H06	150	60	240	28.0						
505489	29.0-XP32-WC04H06	150	60	240	29.0		WCMX04..	M2.5x6	T8	PLD- 0620TIN	
505490	30.0-XP32-WC04H06	150	60	240	30.0						
505491	31.0-XP32-WC04H06	175	60	265	31.0						
505492	32.0-XP32-WC05H08	175	60	265	32.0						
505493	33.0-XP32-WC05H08	175	60	265	33.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505494	34.0-XP32-WC05H08	175	60	265	34.0						
505495	35.0-XP32-WC05H08	175	60	265	35.0						
505496	36.0-XP32-WC05H08	200	60	290	36.0						
505497	37.0-XP32-WC05H08	200	60	290	37.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505498	38.0-XP32-WC05H08	200	60	290	38.0						
505499	39.0-XP32-WC05H08	200	60	290	39.0						
505500	40.0-XP32-WC05H08	200	60	290	40.0						

6.5倍快速钻头-WC刀片

L1=6.5xD Centering Fast Drill - WC Type

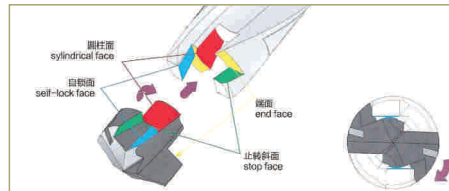
编码 Order	型号 Model	L1	L2	L	D	d	刀片 Inserts	螺丝 Screw	扳手 Wrench	定心钻 Drill Bit	单价 Price
505521	ZD6.5- 25.0-XP32-WC03H06	185	60	275	25.0		WCMX03..	M2.5x5	T8	PLD- 0620TIN	
505522	25.0-XP32-WC04H06	185	60	275	26.0						
505523	27.0-XP32-WC04H06	185	60	275	27.0						
505524	28.0-XP32-WC04H06	185	60	275	28.0						
505525	29.0-XP32-WC04H06	185	60	275	29.0		WCMX04..	M2.5x6	T8	PLD- 0620TIN	
505526	30.0-XP32-WC04H06	185	60	275	30.0						
505527	31.0-XP32-WC04H06	218	60	308	31.0						
505528	32.0-XP32-WC05H08	218	60	308	32.0						
505529	33.0-XP32-WC05H08	218	60	308	33.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505530	34.0-XP32-WC05H08	218	60	308	34.0						
505531	35.0-XP32-WC05H08	218	60	308	35.0						
505532	36.0-XP32-WC05H08	250	60	340	36.0						
505533	37.0-XP32-WC05H08	250	60	340	37.0		WCMX05..	M3.0x7	T10	PLD- 0825TIN	
505534	38.0-XP32-WC05H08	250	60	340	38.0						
505535	39.0-XP32-WC05H08	250	60	340	39.0						
505536	40.0-XP32-WC05H08	250	60	340	40.0						

8倍快速钻头-WC刀片

L1=8xD Centering Fast Drill - WC Type

编 号 Order	型 号 Model	L1	L2	L	D	d	刀 片 Inserts	螺 丝 Screw	扳 手 Wrench	定 心 钻 Drill Bit	单 价 Price
505537	ZD08- 25.0-XP32-WC03H06	220	60	310	25.0		WCMX03..	M2.5x5	T8	PLD- 0620TIN	
505538	ZD08- 26.0-XP32-WC04H06	220	60	310	26.0						
505539	27.0-XP32-WC04H06	220	60	310	27.0						
505540	28.0-XP32-WC04H06	220	60	310	28.0						
505541	29.0-XP32-WC04H06	220	60	310	29.0		WCMX04..	M2.5x6	T8	PLD- 0620TIN	
505542	30.0-XP32-WC04H06	220	60	310	30.0						
505543	31.0-XP32-WC04H06	260	60	350	31.0						
505544	ZD08- 32.0-XP32-WC05H08	260	60	350	32.0	32			WCMX05..	M3.0x7	T10
505545	33.0-XP32-WC05H08	260	60	350	33.0						
505546	34.0-XP32-WC05H08	260	60	350	34.0						
505547	35.0-XP32-WC05H08	260	60	350	35.0						
505548	36.0-XP32-WC05H08	300	60	390	36.0						
505549	37.0-XP32-WC05H08	300	60	390	37.0						
505550	38.0-XP32-WC05H08	300	60	390	38.0						
505551	39.0-XP32-WC05H08	300	60	390	39.0						
505552	40.0-XP32-WC05H08	300	60	390	40.0						

全新的自锁式装夹方式
New self-locking clamping method



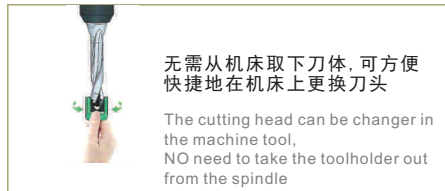
刀头、刀体圆柱配合保证同心度
Centering by cylindrical faces

刀体的弹性变形使刀头拧入后不可回转而自锁
The cutting head can be self-locked with toolholder while inserted due to its

端面承受钻削轴向力
Axial Drill fore is transferred to toolholder by end faces

止转斜面承受钻削扭矩
Drill torque is transferred to toolholder by stop faces

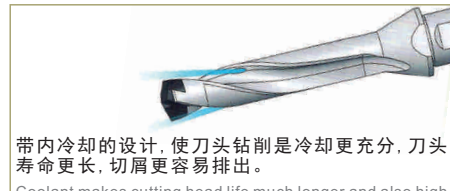
可快速更换刀头
No set-up time for changing cutting head



完美的抛光刀体
Perfect Polished Toolholders



带内冷却水孔的刀体
Toolholders with coolant



三种刀头可供选择
Three Different Cutting Heads are Available



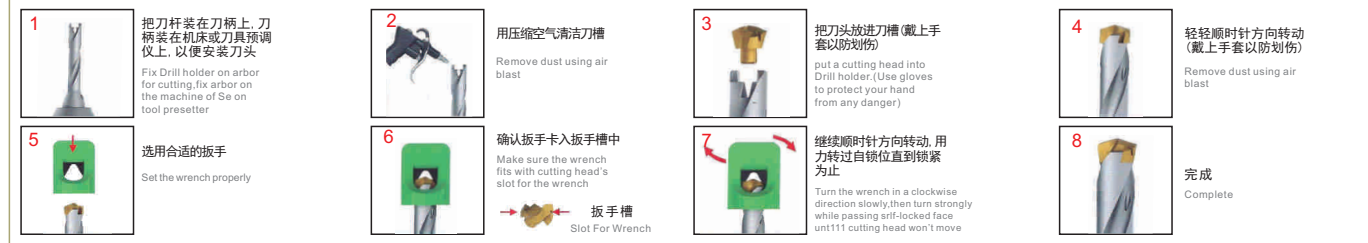
增值服务 Resharping Service

提供刀头返厂重磨服务, 为用户进一步减少刀具使用成本。
Supply resharping cutting head service for customer to cut cost

高互换性, 管理更柔性 Interchangeability and Flexibility

同一刀体可装不同尺寸刀头, 可减少刀体数量, 刀头与刀体完全互换。
Different cutting diameter heads can be fixed into one toolholder so as to reduce the number of toolholder, and cutting heads and toolholders are interchangeable totally

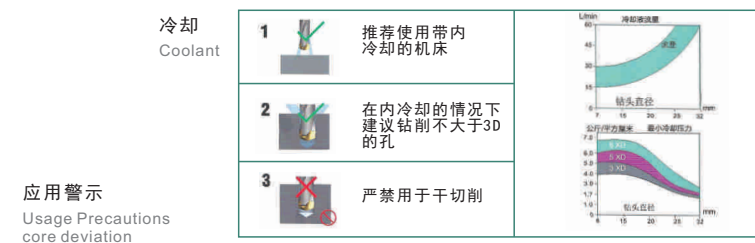
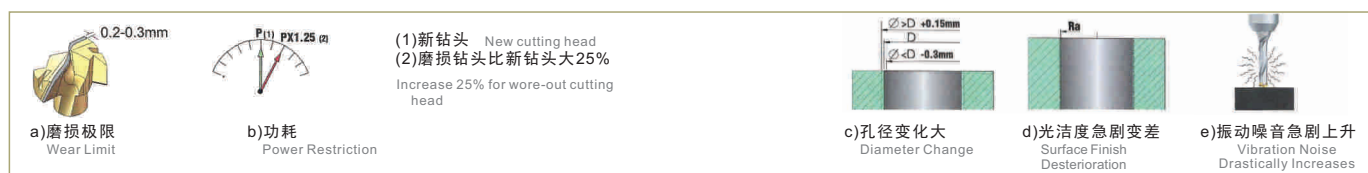
怎样装刀头 How To Attach Cutting Heads



怎样卸刀头 How To Detach Cutting Heads



钻头更换判断标准 Indication of Cutting Head Wear

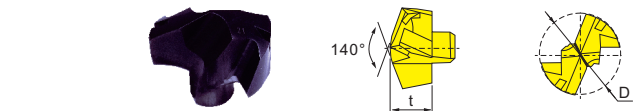


推荐应用 Application Recommend ation	工作形态 Work Environment	不推荐应用 Application Not Recommendation	工作形态 Work Environment
平面孔推荐 Flat Face Recommended		重叠孔 禁用 Hole Expansion Not Recommended	
叠板孔 重叠加固可用 Overlapping reinforcement of laminated holes is available		斜面孔 禁用 Slanted Surface Not Recommended	
曲面孔 减少进给量一半可用 Surface hole reduces feed by half available		半边孔 禁用 Half Cylindrical Not Recomened	
管壁孔 过管中心可用 Pipe Material Recommended		型芯孔 禁用 Cored Hole Not Recommend ed	

QD...S 标准钻头
Standard Cutting Head

订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD080S	8.0	
QD081S	8.1	
QD082S	8.2	
QD083S	8.3	
QD084S	8.4	
QD085S	8.5	
QD086S	8.6	
QD087S	8.7	
QD088S	8.8	
QD089S	8.9	
QD090S	9.0	
QD091S	9.1	
QD092S	9.2	
QD093S	9.3	
QD094S	9.4	
QD095S	9.5	
QD096S	9.6	
QD097S	9.7	
QD098S	9.8	
QD099S	9.9	
QD100S	10.0	
QD101S	10.1	
QD102S	10.2	
QD103S	10.3	
QD104S	10.4	
QD105S	10.5	
QD106S	10.6	
QD107S	10.7	
QD108S	10.8	
QD109S	10.9	

QD...S 标准钻头
Standard Cutting Head

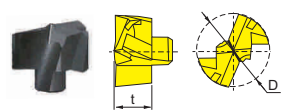


订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD200S	20.0	
QD201S	20.1	
QD202S	20.2	
QD203S	20.3	
QD204S	20.4	
QD205S	20.5	
QD206S	20.6	
QD207S	20.7	
QD208S	20.8	
QD209S	20.9	
QD210S	21.0	
QD211S	21.1	
QD212S	21.2	
QD213S	21.3	
QD214S	21.4	
QD215S	21.5	
QD216S	21.6	
QD217S	21.7	
QD218S	21.8	
QD219S	21.9	
QD220S	22.0	
QD221S	22.1	
QD222S	22.2	
QD223S	22.3	
QD224S	22.4	
QD225S	22.5	
QD226S	22.6	
QD227S	22.7	
QD228S	22.8	
QD229S	22.9	

订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD230S	23.0	
QD231S	23.1	
QD232S	23.2	
QD233S	23.3	
QD234S	23.4	
QD235S	23.5	
QD236S	23.6	
QD237S	23.7	
QD238S	23.8	
QD239S	23.9	
QD240S	24.0	
QD241S	24.1	
QD242S	24.2	
QD243S	24.3	
QD244S	24.4	
QD245S	24.5	
QD246S	24.6	
QD247S	24.7	
QD248S	24.8	
QD249S	24.9	
QD250S	25.0	
QD251S	25.1	
QD252S	25.2	
QD253S	25.3	
QD254S	25.4	
QD255S	25.5	
QD256S	25.6	
QD257S	25.7	
QD258S	25.8	
QD259S	25.9	

订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD110S	11.0	
QD111S	11.1	
QD112S	11.2	
QD113S	11.3	
QD114S	11.4	
QD115S	11.5	
QD116S	11.6	
QD117S	11.7	
QD118S	11.8	
QD119S	11.9	
QD120S	12.0	
QD121S	12.1	
QD122S	12.2	
QD123S	12.3	
QD124S	12.4	
QD125S	12.5	
QD126S	12.6	
QD127S	12.7	
QD128S	12.8	
QD129S	12.9	
QD130S	13.0	
QD131S	13.1	
QD132S	13.2	
QD133S	13.3	
QD134S	13.4	
QD135S	13.5	
QD136S	13.6	
QD137S	13.7	
QD138S	13.8	
QD139S	13.9	

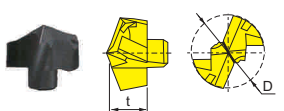
QD...F 平底钻头
Flat Cutting Head



订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD080F	8.0	4.0
QD085F	8.5	4.0
QD090F	9.0	4.2
QD095F	9.5	4.2
QD100F	10.0	4.4
QD105F	10.5	4.4
QD110F	11.0	4.5
QD115F	11.5	4.5
QD120F	12.0	4.8
QD125F	12.5	4.8
QD130F	13.0	5.1
QD135F	13.5	5.1
QD140F	14.0	5.5
QD145F	14.5	5.5
QD150F	15.0	5.9
QD155F	15.5	5.9
QD160F	16.0	6.3
QD165F	16.5	6.3
QD170F	17.0	6.6
QD175F	17.5	6.6
QD180F	18.0	6.9
QD185F	18.5	6.9
QD190F	19.0	7.2
QD195F	19.5	7.2
QD200F	20.0	8.2
QD205F	20.5	8.2
QD210F	21.0	8.6
QD215F	21.5	8.6
QD220F	22.0	8.9
QD225F	22.5	8.9
QD230F	23.0	9.3
QD235F	23.5	9.3
QD240F	24.0	9.7
QD245F	24.5	9.7
QD250F	25.0	10.1
QD255F	25.5	10.1
QD260F	26.0	10.1

订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD140S	14.0	
QD141S	14.1	
QD142S	14.2	
QD143S	14.3	
QD144S	14.4	
QD145S	14.5	
QD146S	14.6	
QD147S	14.7	
QD148S	14.8	
QD149S	14.9	
QD150S	15.0	
QD151S	15.1	
QD152S	15.2	
QD153S	15.3	
QD154S	15.4	
QD155S	15.5	
QD156S	15.6	
QD157S	15.7	
QD158S	15.8	
QD159S	15.9	
QD160S	16.0	
QD161S	16.1	
QD162S	16.2	
QD163S	16.3	
QD164S	16.4	
QD165S	16.5	
QD166S	16.6	
QD167S	16.7	
QD168S	16.8	
QD169S	16.9	

QD...C 定心钻头
Centering Cutting Head



订购编码 Order number	尺寸 Dimensions(mm)	刀体 tool holders
	D	t
QD080C	8.0	5.4
QD085C	8.5	5.4
QD090C	9.0	5.8
QD095C	9.5	5.8
QD100C	10.0	6.2
QD105C	10.5	6.2
QD110C	11.0	6.6
QD115C	11.5	6.6
QD120C	12.0	7.0
QD125C	12.5	7.0
QD130C	13.0	7.6
QD135C	13.5	7.6
QD140C	14.0	8.2
QD145C	14.5	8.2
QD150C	15.0	8.7
QD155C	15.5	8.7
QD160C	16.0	9.3
QD165C	16.5	9.3
QD170C	17.0	9.9
QD175C	17.5	9.9
QD180C	18.0	10.5
QD185C	18.5	10.5
QD190C	19.0	11.0
QD195C	19.5	11.0
QD200C	20.0	11.6
QD205C	20.5	11.6
QD210C	21.0	12.2
QD215C	21.5	12.2
QD220C	22.0	12.8
QD225C	22.5	12.8
QD230C	23.0	13.3
QD235C	23.5	13.3
QD240C	24.0	13.9
QD245C	24.5	13.9
QD250C	25.0	14.5
QD255C	25.5	14.5
QD260C	26.0	14.5

MZG®

高效率钻孔加工
High Efficiency Drilling

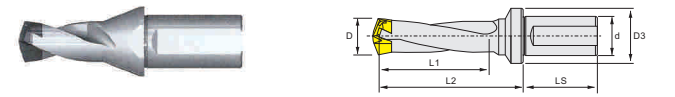
钻头+钻杆 高效孔加工

High Efficiency Hole Processing
of Drill Point and Drill Pipe

QD...-1. 5D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



QD...-1. 5D-N 无内冷却水孔快钻刀体
"QuickDrill" Toolholders without Coolant



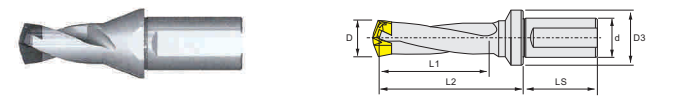
订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505553	QD080-089-16-1.5D-C	8.0~8.9	12	16	12	27.9	45	8	8-12
505554	QD090-099-16-1.5D-C	9.0~9.9	12	16	14	29.3	45	9	
505555	QD100-109-20-1.5D-C	10.0~10.9	16	20	15	31.2	48	10	
505556	QD110-119-20-1.5D-C	11.0~11.9	16	20	17	33.1	48	11	
505557	QD120-129-20-1.5D-C	12.0~12.9	16	20	18	35.0	48	12	12-17
505558	QD130-139-20-1.5D-C	13.0~13.9	16	20	20	37.1	48	13	
505559	QD140-149-20-1.5D-C	14.0~14.9	16	20	21	41.1	48	14	
505560	QD150-159-25-1.5D-C	15.0~15.9	20	25	23	46.2	50	15	
505561	QD160-169-25-1.5D-C	16.0~16.9	20	25	24	49.3	50	16	17-21
505562	QD170-179-25-1.5D-C	17.0~17.9	20	25	26	52.4	50	17	
505563	QD180-189-32-1.5D-C	18.0~18.9	25	32	27	55.5	56	18	
505564	QD190-199-32-1.5D-C	19.0~19.9	25	32	29	58.5	56	19	
505565	QD200-209-32-1.5D-C	20.0~20.9	25	32	30	61.6	56	20	21-26
505566	QD210-219-32-1.5D-C	21.0~21.9	25	32	32	64.7	56	21	
505567	QD220-229-32-1.5D-C	22.0~22.9	25	32	33	67.8	56	22	
505568	QD230-239-42-1.5D-C	23.0~23.9	32	42	35	70.9	60	23	
505569	QD240-249-42-1.5D-C	24.0~24.9	32	42	36	74.0	60	24	21-26
505570	QD250-259-42-1.5D-C	25.0~26.0	32	42	38	77.0	60	25	

订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505571	QD080-089-16-1.5D-N	8.0~8.9	12	16	12	27.9	45	8	8-12
505572	QD090-099-16-1.5D-N	9.0~9.9	12	16	14	29.3	45	9	
505573	QD100-109-20-1.5D-N	10.0~10.9	16	20	15	31.2	48	10	
505574	QD110-119-20-1.5D-N	11.0~11.9	16	20	17	33.1	48	11	
505575	QD120-129-20-1.5D-N	12.0~12.9	16	20	18	35.0	48	12	12-17
505576	QD130-139-20-1.5D-N	13.0~13.9	16	20	20	37.1	48	13	
505577	QD140-149-20-1.5D-N	14.0~14.9	16	20	21	41.1	48	14	
505578	QD150-159-25-1.5D-N	15.0~15.9	20	25	23	46.2	50	15	
505579	QD160-169-25-1.5D-N	16.0~16.9	20	25	24	49.3	50	16	17-21
505580	QD170-179-25-1.5D-N	17.0~17.9	20	25	26	52.4	50	17	
505581	QD180-189-32-1.5D-N	18.0~18.9	25	32	27	55.5	56	18	
505582	QD190-199-32-1.5D-N	19.0~19.9	25	32	29	58.5	56	19	
505583	QD200-209-32-1.5D-N	20.0~20.9	25	32	30	61.6	56	20	21-26
505584	QD210-219-32-1.5D-N	21.0~21.9	25	32	32	64.7	56	21	
505585	QD220-229-32-1.5D-N	22.0~22.9	25	32	33	67.8	56	22	
505586	QD230-239-42-1.5D-N	23.0~23.9	32	42	35	70.9	60	23	
505587	QD240-249-42-1.5D-N	24.0~24.9	32	42	36	74.0	60	24	21-26
505588	QD250-259-42-1.5D-N	25.0~26.0	32	42	38	77.0	60	25	

QD...-3D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



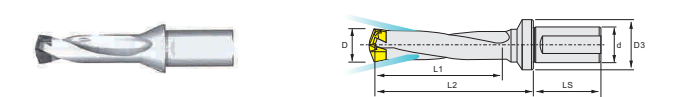
QD...-3D-N 无内冷却水孔快钻刀体
"QuickDrill" Toolholders without Coolant



订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505589	QD080-084-16-3D-C	8.0~8.4	12	16	24	39.4	45	8	8-12
505590	QD085-089-16-3D-C	8.5~8.9	12	16	26	40.9	45	8	
505591	QD090-094-16-3D-C	9.0~9.4	12	16	27	42.8	45	9	
505592	QD095-099-16-3D-C	9.5~9.9	12	16	29	44.3	45	9	
505593	QD100-104-20-3D-C	10.0~10.4	16	20	30	46.2	48	10	12-17
505594	QD105-109-20-3D-C	10.5~10.9	16	20	32	47.7	48	10	
505595	QD110-114-20-3D-C	11.0~11.4	16	20	33	49.6	48	11	
505596	QD115-119-20-3D-C	11.5~11.9	16	20	35	51.1	48	11	
505597	QD120-124-20-3D-C	12.0~12.4	16	20	36	53.0	48	12	12-17
505598	QD125-129-20-3D-C	12.5~12.9	16	20	37	54.5	48	12	
505599	QD130-134-20-3D-C	13.0~13.4	16	20	39	56.6	48	13	
505610	QD135-139-20-3D-C	13.5~13.9	16	20	41	58.1	48	13	
505611	QD140-144-20-3D-C	14.0~14.4	16	20	42	62.1	48	14	12-17
505612	QD145-149-20-3D-C	14.5~14.9	16	20	44	63.6	48	14	
505613	QD150-159-25-3D-C	15.0~15.9	20	25	45	68.7	50	15	
505614	QD160-169-25-3D-C	16.0~16.9	20	25	48	73.3	50	16	
505615	QD170-179-25-3D-C	17.0~17.9	20	25	51	77.9	50	17	17-21
505616	QD180-189-32-3D-C	18.0~18.9	25	32	54	82.5	56	18	
505617	QD190-199-32-3D-C	19.0~19.9	25	32	57	87.0	56	19	
505618	QD200-209-32-3D-C	20.0~20.9	25	32	60	91.6	56	20	
505619	QD210-219-32-3D-C	21.0~21.9	25	32	63	96.2	56	21	21-26
505620	QD220-229-32-3D-C	22.0~22.9	25	32	66	100.8	56	22	
505621	QD230-239-42-3D-C	23.0~23.9	32	42	69	105.4	60	23	
505622	QD240-249-42-3D-C	24.0~24.9	32	42	72	109.9	60	24	
505623	QD250-259-42-3D-C	25.0~26.0	32	42	75	114.5	60	25	

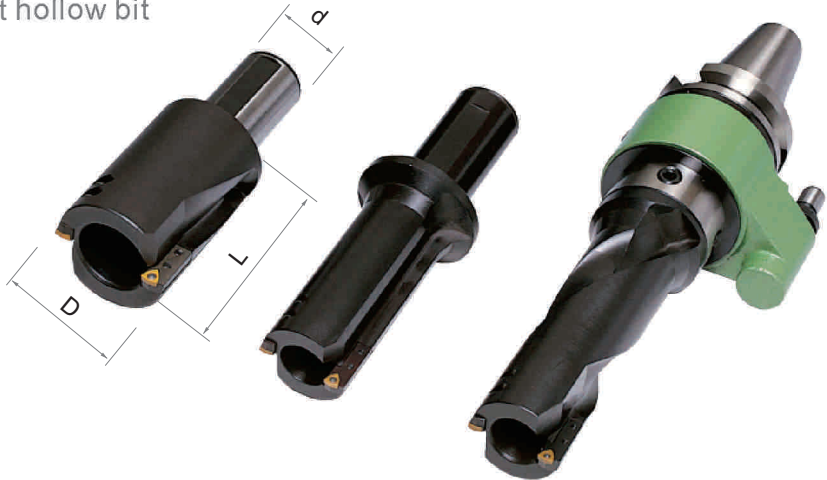
订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505624	QD080-084-16-3D-N	8.0~8.4	12	16	24	39.4	45	8	8-12
505625	QD085-089-16-3D-N	8.5~8.9	12	16	26	40.9	45	8	
505626	QD090-094-16-3D-N	9.0~9.4	12	16	27	42.8	45	9	
505627	QD095-099-16-3D-N	9.5~9.9	12	16	29	44.3	45	9	
505628	QD100-104-20-3D-N	10.0~10.4	16	20	30	46.2	48	10	12-17
505629	QD105-109-20-3D-N	10.5~10.9	16	20	32	47.7	48	10	
505630	QD110-114-20-3D-N	11.0~11.4	16	20	33	49.6	48	11	
505631	QD115-119-20-3D-N	11.5~11.9	16	20	35	51.1	48	11	
505632	QD120-124-20-3D-N	12.0~12.4	16	20	36	53.0	48	12	12-17
505633	QD125-129-20-3D-N	12.5~12.9	16	20	37	54.5	48	12	
505634	QD130-134-20-3D-N	13.0~13.4	16	20	39	56.6	48	13	
505635	QD135-139-20-3D-N	13.5~13.9	16	20	41	58.1	48	13	
505636	QD140-144-20-3D-N	14.0~14.4	16	20	42	62.1	48	14	12-17
505637	QD145-149-20-3D-N	14.5~14.9	16	20	44	63.6	48	14	
505638	QD150-159-25-3D-N	15.0~15.9	20	25	45	68.7	50	15	
505639	QD160-169-25-3D-N	16.0~16.9	20	25	48	73.3	50	16	
505640	QD170-179-25-3D-N	17.0~17.9	20	25	51	77.9	50	17	17-21
505641	QD180-189-32-3D-N	18.0~18.9	25	32	54	82.5	56	18	
505642	QD190-199-32-3D-N	19.0~19.9	25	32	57	87.0	56	19	
505643	QD200-209-32-3D-N	20.0~20.9	25	32	60	91.6	56	20	
505644	QD210-219-32-3D-N	21.0~21.9	25	32	63	96.2	56	21	21-26
505645	QD220-229-32-3D-N	22.0~22.9	25	32	66	100.8	56	22	
505646	QD230-239-42-3D-N	23.0~23.9	32	42	69	105.4	60	23	
505647	QD240-249-42-3D-N	24.0~24.9	32	42	72	109.9	60	24	
505648	QD250-259-42-3D-N	25.0~26.0	32	42	75	114.5	60	25	

QD...-5D-C 带内冷却水孔快钻刀体
"QuickDrill" Toolholders with Coolant



订购编码 Order	规格型号 Model	配套刀头 D	尺寸 Dimensions(mm)						拆卸器 Puller
			d	D3	L1	L2	LS	D	
505649	QD080-084-16-5D-C	8.0~8.4	12	16	40	55.4	45	8	8-12
505650	QD085-089-16-5D-C	8.5~8.9	12	16	43	57.9	45	8	
505651	QD090-094-16-5D-C	9.0~9.4	12	16	45	60.8	45	9	
505652	QD095-099-16-5D-C	9.5~9.9	12	16	48	63.3	45	9	
505653	QD100-104-20-5D-C	10.0~10.4	16	20	50	66.2	48	10	12-17
505654	QD105-109-20-5D-C	10.5~10.9	16	20	53	68.7	48	10	
505655	QD110-114-20-5D-C	11.0~11.4	16	20	55	71.6	48	11	
505656	QD115-119-20-5D-C	11.5~11.9	16	20	58	74.1	48	11	
505657	QD120-124-20-5D-C	12.0~12.4	16	20	60	77.0	48	12	17-21
505658	QD125-129-20-5D-C	12.5~12.9	16	20	62	79.5	48	12	
505659	QD130-134-20-5D-C	13.0~13.4	16	20	65	82.6	48	13	
505660	QD135-139-20-5D-C	13.5~13.9	16	20	68	85.1	48	13	
505661	QD140-144-20-5D-C	14.0~14.4	16	20	70	90.2	48	14	21-26
505662	QD145-149-20-5D-C	14.5~14.9	16	20	73	92.7	48	14	
505663	QD150-159-25-5D-C	15.0~15.9	20	25	75	98.7	50	15	
505664	QD160-169-25-5D-C	16.0~16.9	20	25	80	105.3	50	16	
505665	QD170-179-25-5D-C	17.0~17.9	20	25	85	111.9	50	17	21-26
505666	QD180-189-32-5D-C	18.0~18.9	25	32	90	118.5	56	18	
505667	QD190-199-32-5D-C	19.0~19.9	25	32	95	125.0	56	19	
505668	QD200-209-32-5D-C	20.0~20.9	25	32	100	131.6	56	20	
505669	QD210-219-32-5D-C	21.0~21.9	25	32	105	138.2	56	21	21-26
505670	QD220-229-32-5D-C	22.0~22.9	25	32	110	144.8	56	22	
505671	QD230-239-32-5D-C	23.0~23.9	32	42	115	151.4	60	23	
505672	QD240-249-42-5D-C	24.0~24.9	32	42	120	158.0	60	24	
505673	QD250-259-42-5D-C	25.0~26.0	32	42	125	164.6	60	25	

侧固式快速留芯钻
Side solid fast hollow bit



柄径40mm空心钻头-WC刀片

Hollow drill with handle diameter of 40mm WC Insert

编码 Order	型号 Model	有效长 L=50mm	编码 Order	型号 Model	有效长 L=100mm	编码 Order	型号 Model	有效长 L=150mm	外径 D	柄径 d	配件 Parts
505714	C40- 50WC05-50L	505735	C40- 50WC05-100L	505756	C40- 50WC05-150L	50					
505715	53WC05-50L	505736	53WC05-100L	505757	53WC05-150L	53					
505716	55WC05-50L	505737	55WC05-100L	505758	55WC05-150L	55					
505717	60WC05-50L	505738	60WC05-100L	505759	60WC05-150L	60					
505718	62WC05-50L	505739	62WC05-100L	505760	62WC05-150L	62					
505719	64WC05-50L	505740	64WC05-100L	505761	64WC05-150L	64					
505720	66WC05-50L	505741	66WC05-100L	505762	66WC05-150L	66					
505721	68WC05-50L	505742	68WC05-100L	505763	68WC05-150L	68					
505722	70WC05-50L	505743	70WC05-100L	505764	70WC05-150L	70					
505723	73WC05-50L	505744	73WC05-100L	505765	73WC05-150L	73					
505724	75WC05-50L	505745	75WC05-100L	505766	75WC05-150L	75					
505725	78WC05-50L	505746	78WC05-100L	505767	78WC05-150L	78					
505726	80WC05-50L	505747	80WC05-100L	505768	80WC05-150L	80					
505727	82WC05-50L	505748	82WC05-100L	505769	82WC05-150L	82					
505728	85WC05-50L	505749	85WC05-100L	505770	85WC05-150L	85					
505729	87WC05-50L	505750	87WC05-100L	505771	87WC05-150L	87					
505730	90WC05-50L	505751	90WC05-100L	505772	90WC05-150L	90					
505731	92WC05-50L	505752	92WC05-100L	505773	92WC05-150L	92					
505732	95WC05-50L	505753	95WC05-100L	505774	95WC05-150L	95					
505733	97WC05-50L	505754	97WC05-100L	505775	97WC05-150L	97					
505734	100WC05-50L	505755	100WC05-100L	505776	100WC05-150L	100					

柄径50mm空心钻头-WC刀片

Hollow drill with handle diameter of 50mm WC Insert

编码 Order	型号 Model	有效长 L=50mm	编码 Order	型号 Model	有效长 L=100mm	编码 Order	型号 Model	有效长 L=150mm	外径 D	柄径 d	配件 Parts
505777	C50- 50WC05-50L	505798	C50- 50WC05-100L	505819	C50- 50WC05-150L	50					
505778	53WC05-50L	505799	53WC05-100L	505820	53WC05-150L	53					
505779	55WC05-50L	505800	55WC05-100L	505821	55WC05-150L	55					
505780	60WC05-50L	505801	60WC05-100L	505822	60WC05-150L	60					
505781	62WC05-50L	505802	62WC05-100L	505823	62WC05-150L	62					
505782	64WC05-50L	505803	64WC05-100L	505824	64WC05-150L	64					
505783	66WC05-50L	505804	66WC05-100L	505825	66WC05-150L	66					
505784	68WC05-50L	505805	68WC05-100L	505826	68WC05-150L	68					
505785	70WC05-50L	505806	70WC05-100L	505827	70WC05-150L	70					
505786	73WC05-50L	505807	73WC05-100L	505828	73WC05-150L	73					
505787	75WC05-50L	505808	75WC05-100L	505829	75WC05-150L	75					
505788	78WC05-50L	505809	78WC05-100L	505830	78WC05-150L	78					
505789	80WC05-50L	505810	80WC05-100L	505831	80WC05-150L	80					
505790	82WC05-50L	505811	82WC05-100L	505832	82WC05-150L	82					
505791	85WC05-50L	505812	85WC05-100L	505833	85WC05-150L	85					
505792	87WC05-50L	505813	87WC05-100L	505834	87WC05-150L	87					
505793	90WC05-50L	505814	90WC05-100L	505835	90WC05-150L	90					
505794	92WC05-50L	505815	92WC05-100L	505836	92WC05-150L	92					
505795	95WC05-50L	505816	95WC05-100L	505837	95WC05-150L	95					
505796	97WC05-50L	505817	97WC05-100L	505838	97WC05-150L	97					
505797	100WC05-50L	505818	100WC05-100L	505839	100WC05-150L	100					

BT50空心钻头-WC刀片

Hollow drill with BT50- WC Insert

编码 Order	型号 Model	有效长 L=200mm	编码 Order	型号 Model	有效长 L=250mm	外径 D	刀片 Inserts	螺丝 Screw	扳手 Wrench
505840	BT50- 55WC05-200L	505881	BT50- 55WC05-250L	55					
505841	58WC05-200L	505882	58WC05-250L	58					
505842	60WC05-200L	505883	60WC05-250L	60					
505843	62WC05-200L	505884	62WC05-250L	62					
505844	65WC05-200L	505885	65WC05-250L	65					
505845	68WC05-200L	505886	68WC05-250L	68					
505846	70WC05-200L	505887	70WC05-250L	70					
505847	75WC05-200L	505888	75WC05-250L	75					
505848	78WC05-200L	505889	78WC05-250L	78					
505849	80WC05-200L	505890	80WC05-250L	80					
505850	85WC05-200L	505891	85WC05-250L	85					
505851	88WC05-200L	505892	88WC05-250L	88					
505852	90WC05-200L	505893	90WC05-250L	90					
505853	93WC05-200L	505894	93WC05-250L	93					
505854	96WC05-200L	505895	96WC05-250L	96					
505855	98WC05-200L	505896	98WC05-250L	98					
505856	100WC05-200L	505897	100WC05-250L	100					
505857	103WC05-200L	505898	103WC05-250L	103					
505858	105WC05-200L	505899	105WC05-250L	105					
505859	108WC05-200L	505900	108WC05-250L	108					
505860	110WC05-200L	505901	110WC05-250L	110					
505861	115WC05-200L	505902	115WC05-250L	115					
505862	BT50- 120WC06-200L	505903	BT50- 120WC06-250L	120					
505863	125WC06-200L	505904	125WC06-250L	125					
505864	130WC06-200L	505905	130WC06-250L	130					
505865	135WC06-200L	505906	135WC06-250L	135					
505866	140WC06-200L	505907	140WC06-250L	140					
505867	145WC06-200L	505908	145WC06-250L	145					
505868	150WC06-200L	505909	150WC06-250L	150					
505869	155WC06-200L	505910	155WC06-250L	155					
505870	160WC06-200L	505911	160WC06-250L	160					
505871	165WC06-200L	505912	165WC06-250L	165					
505872	170WC06-200L	505913	170WC06-250L	170					
505873	175WC06-200L	505914	175WC06-250L	175					
505874	180WC06-200L	505915	180WC06-250L	180					
505875	185WC06-200L	505916	185WC06-250L	185					
505876	190WC06-200L	505917	190WC06-250L	190					
505877	195WC06-200L	505918	195WC06-250L	195					
505878	200WC06-200L	505919	200WC06-250L	200					
505879	210WC06-200L	505920	210WC06-250L	210					
505880	220WC06-200L	505921	220WC06-250L	220					

中心供水型

Central water supply type



中心供水可自动换刀型

Automatic tool change for central water supply



油路刀柄型

Toolholder type of oil way

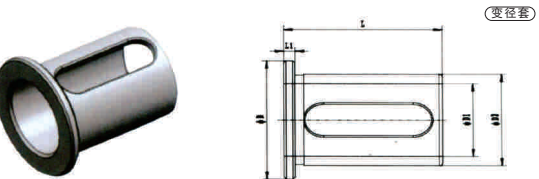
多功能钻杆

Multi function drill pipe



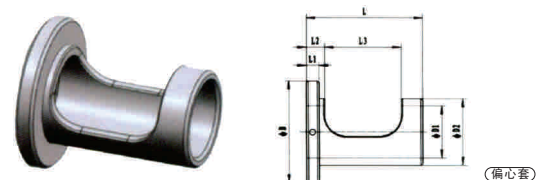
Order	型号 Model	D	d	L1	L	适用刀片 Applicable t0 Insert	螺丝 screw	扳手 Wrench	Price
505100	TCAP-06RL-3.0DN	8	12	24	75	XCMT 04 01 04	M1.8×3.5	T6	1875
505102	TCAP-06RL-3.0DN	9	12	27	83	XCMT 05 02 04	M2×5	T6	1875
505104	TCAP-10RL-3.0DN	10	12	30	85	XCMT 05 02 04	M2×5	T6	1875
505106	TCAP-11RL-3.0DN	11	16	33	92	XCMT 06 02 04	M2.2×5	T6	1875
505108	TCAP-12RL-3.0DN	12	16	36	95	XCMT 06 02 04	M2.2×5	T6	1875
505110	TCAP-13RL-3.0DN	13	16	39	100	XCMT 07 03 04	M2.5×6.5	T8	1875
505112	TCAP-14RL-3.0DN	14	16	42	101	XCMT 07 03 04	M2.5×6.5	T8	1875
505114	TCAP-08RL-2.25DN	8	12	18	69	XCMT 04 01 04	M1.8×3.5	T6	1875
505116	TCAP-09RL-2.25DN	9	12	20.5	76	XCMT 05 02 04	M2×5	T6	1875
505118	TCAP-10RL-2.25DN	10	12	22.5	78	XCMT 05 02 04	M2×5	T6	1875
505120	TCAP-11RL-2.25DN	11	16	25	84	XCMT 06 02 04	M2.2×5	T6	1875
505122	TCAP-12RL-2.25DN	12	16	27	86	XCMT 06 02 04	M2.2×5	T6	1875
505124	TCAP-13RL-2.25DN	13	16	29.5	91	XCMT 07 03 04	M2.5×6.5	T8	1875
505126	TCAP-14RL-2.25DN	14	16	31.5	91	XCMT 07 03 04	M2.5×6.5	T8	1875

变径套



Order	型号	尺寸(mm)						Price
		D	D1	D2	L	L1		
505200	BJT-322062	20	49	32	62	5	5	500
505202	BJT-322562	25	49	32	62	5	5	500
505204	BJT-402065	20	58	40	65	6	6	625
505206	BJT-402565	25	58	40	65	6	6	625
505208	BJT-403265	32	58	40	65	6	6	625
505210	BJT-502572	25	65	50	70	6	6	750
505212	BJT-503272	32	65	50	70	6	6	750
505214	BJT-504072	40	65	50	70	6	6	750

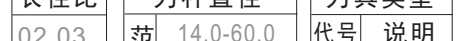
偏心套



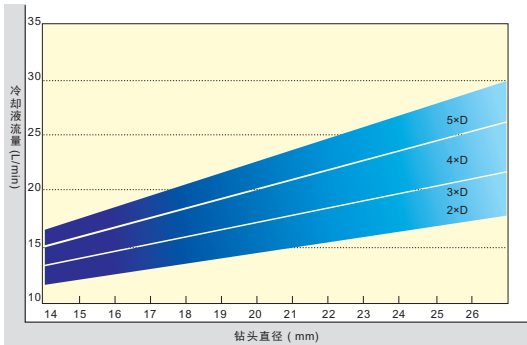
快速钻头规格型号命名规则

ZD	03	30.0	XP	32	W	C	05
刀具类型	长径比	刀杆直径	刀具类型	刀具安装部位尺寸(mm)	刀具形状	刀片后角	刀片后角
代号 说明	02,03, 04,05	范围 14.0-60.0	代号 说明		W  S 	C 7° D 15° P 11°	代号 刃长
ZD 浅孔钻		16mm-58mm	XP 削平钻	20,25,32,40			03 3.8 -
							04 4.3 -
							05 5.4 -
							06 6.5 6.35
							08 8.7 8.0
							09 - 9.925
							12 - 12.7

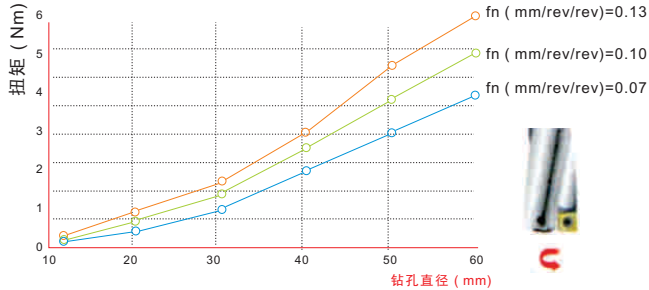
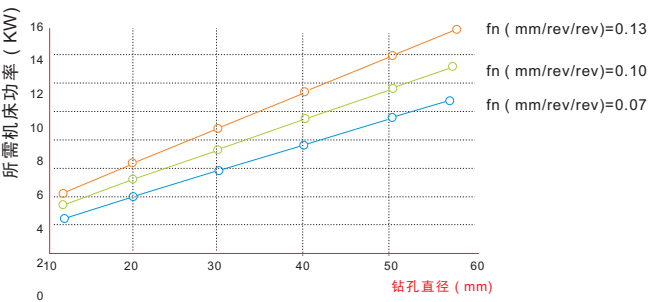
冷却液流量 (L/min)



冷却液流量 (L/min)



加工功率要求



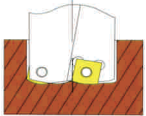
快速钻头切削数据参考表

快钻直径	材质	转速	2D切削速	3D切削速	4D切削速	5D切削速	材质
Diameter	Material	RPM	2×D Feeding	3×D Feeding	4×D Feeding	5×D Feeding	Material
14-17	一般钢 Steel	2500-2300	Lathe F0.06-0.7 Machine F150-180	Lathe F0.06-0.7 Machine F150-180	Lathe F0.05-0.6 Machine F130-150	Lathe F0.05-0.6 Machine F130-150	特殊钢 特种合金 Special Material rpm Reduc 20%~30%
18-20		2300-2100	Lathe F0.085-0.1 Machine F180-200	Lathe F0.085-0.1 Machine F180-200	Lathe F0.06-0.7 Machine F150-170	Lathe F0.06-0.7 Machine F150-170	
21-23		2100-1900	Lathe F0.085-0.1 Machine F180-200	Lathe F0.085-0.1 Machine F180-200	Lathe F0.06-0.7 Machine F150-170	Lathe F0.06-0.7 Machine F150-170	
24-26		1800-1700	Lathe F0.10-0.12 Machine F170-200	Lathe F0.10-0.12 Machine F170-200	Lathe F0.09-0.11 Machine F160-190	Lathe F0.08-0.9 Machine F150-180	
27-29		1600-1500	Lathe F0.10-0.13 Machine F160-200	Lathe F0.10-0.13 Machine F160-200	Lathe F0.10-0.12 Machine F160-180	Lathe F0.09-0.11 Machine F150-180	
30-32		1500-1400	Lathe F0.10-0.13 Machine F150-180	Lathe F0.10-0.13 Machine F150-180	Lathe F0.10-0.12 Machine F140-170	Lathe F0.09-0.11 Machine F130-150	
33-35		1400-1300	Lathe F0.10-0.13 Machine F130-160	Lathe F0.10-0.13 Machine F140-170	Lathe F0.10-0.12 Machine F130-160	Lathe F0.10-0.12 Machine F130-160	
36-38		1300-1200	Lathe F0.10-0.13 Machine F120-150	Lathe F0.10-0.13 Machine F130-150	Lathe F0.10-0.12 Machine F120-150	Lathe F0.09-0.11 Machine F110-130	
39-41		1200-1100	Lathe F0.10-0.13 Machine F110-140	Lathe F0.10-0.13 Machine F110-140	Lathe F0.10-0.12 Machine F110-130	Lathe F0.09-0.11 Machine F100-120	
42-44		1100-1000	Lathe F0.11-0.14 Machine F105-135	Lathe F0.11-0.13 Machine F105-135	Lathe F0.10-0.12 Machine F95-120	Lathe F0.09-0.11 Machine F90-110	
45-47	1000-950	Lathe F0.11-0.14 Machine F100-130	Lathe F0.10-0.13 Machine F100-120	Lathe F0.10-0.12 Machine F90-110	Lathe F0.09-0.11 Machine F80-100		
48-50	950-900	Lathe F0.11-0.14 Machine F95-120	Lathe F0.10-0.13 Machine F90-110	Lathe F0.10-0.12 Machine F85-105	Lathe F0.09-0.11 Machine F75-95		
51-53	900-850	Lathe F0.11-0.14 Machine F95-110	Lathe F0.10-0.13 Machine F80-100	Lathe F0.10-0.12 Machine F80-100	Lathe F0.09-0.11 Machine F70-85		
54-56	850-800	Lathe F0.11-0.14 Machine F85-105	Lathe F0.10-0.13 Machine F75-95	Lathe F0.10-0.12 Machine F75-95	Lathe F0.09-0.11 Machine F65-80		
57-60	800-750	Lathe F0.11-0.14 Machine F80-100	Lathe F0.10-0.13 Machine F70-90	Lathe F0.10-0.12 Machine F70-90	Lathe F0.09-0.11 Machine F60-75		

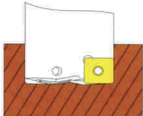
盲孔底面尺寸说明
blind substrate dimension instruction



四边行刀片浅孔钻



四边形和六边形组合刀片浅孔钻



快速钻相关参数计算方法

钻头转速

$$S = \frac{V_c \times 1000}{\pi \times D_c}$$

$$S(\text{rev/min}): \text{转速}$$

$$V_c(\text{m/min}): \text{线速度}$$

$$D_c(\text{mm}): \text{钻头}$$

实例
 刀片线速度120m/min, 钻头直径为 $\varnothing 20\text{mm}$, 其钻头转速: $S = \frac{120 \times 1000}{3.14 \times 20} = 1900 \text{ rev/min}$

进给速度

$$V_f = F_r \times S$$

$$V_f(\text{mm/min}): \text{进给速度}$$

$$F_r(\text{mm/rev}): \text{每转进给量}$$

$$S(\text{rev/min}): \text{主轴转速}$$

实例
 主轴转速1900 rev/min, 每转进给量为0.1mm/rev, 进给速度: $V_f = F_r \times S = 1900 \times 0.1 = 190 \text{ mm/min}$

孔加工时间

$$T_c = \frac{H \times i}{S \times f} \times 60$$

$$T_c(\text{s}): \text{加工时间(秒)}$$

$$S(\text{rev/min}): \text{主轴转速}$$

$$f(\text{mm/rev}): \text{钻头}$$

$$i(\text{mm/rev}): \text{每转进给量}$$

$$i: \text{被加工孔的数量}$$

实例
 钻 $\varnothing 15\text{mm}$ 的孔, 深30mm, 切削线速度80 m/min, 每转进给0.11mm, 求加工时间

$$S = \frac{80 \times 1000}{3.14 \times 15} = 1698.5 \text{ rev/min}$$

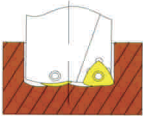
$$T_c = \frac{30 \times 1 \times 60}{1698.5 \times 0.11} = 9.63 \text{ s}$$

盲孔底面尺寸说明

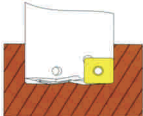
blind substrate dimension instruction

刀片规格	波浪高度a
WCMX030208	0.50mm
WCMX040208	0.60mm
WCMX050308	0.80mm
WCMX060308	0.95mm
WCMX080412	1.25mm

等边不等角六边形刀片浅孔钻



四边形和六边形组合刀片浅孔钻

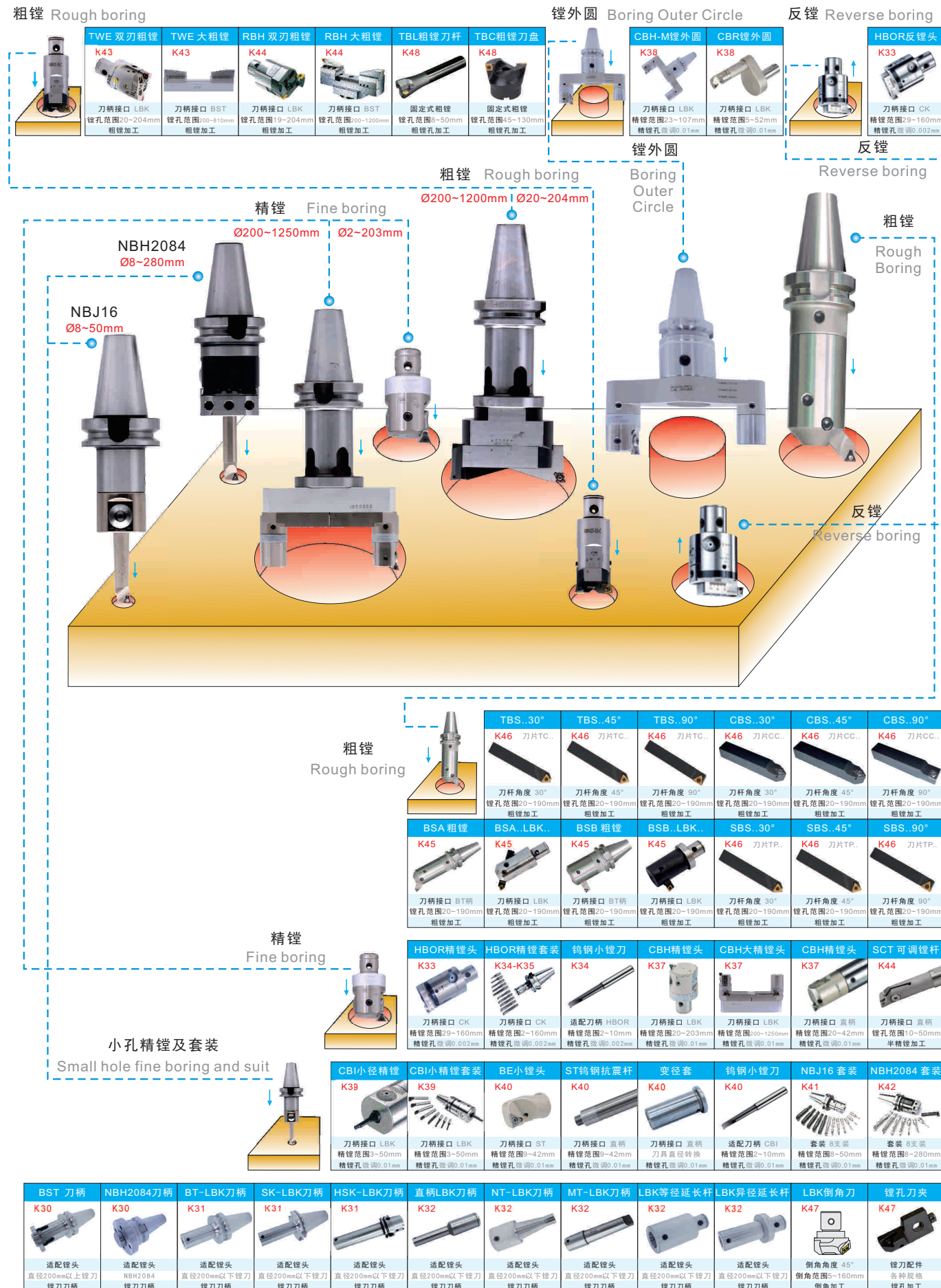


QD系列快速钻头推荐的切削参数

QD.. Type Technical Information

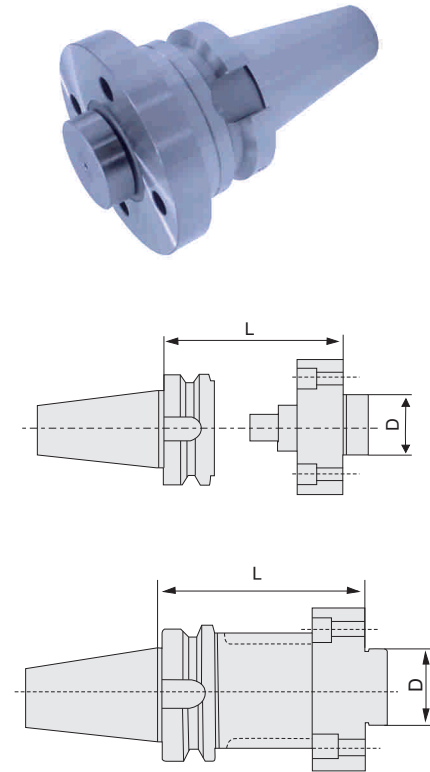
	被加工材料		条件	拉伸力 (N/mm2) drawing force	布式硬度 (HB) hardness	切削速度 Vc(m/min) cutting speed	进给(mm/rev) Feed rate(mm/rev)																	
	materials	Heat Treatment					D 10	D=10-11.9	D=12-13.9	D=14-15.9	D=16-19.9	D=20-25.9												
	非合金钢 Unalloyed steel 铸铁 Cast Iron 易切削钢 Free Cutting Steel	<0.25%C	退火 Annealed	420	125	80~140	0.12	0.15	0.18	0.20	0.25	0.25												
		>=0.25%C	退火 Annealed	650	190	80~130																		
		<0.55%C	退火和调质 Annealed And Tempering	850	250	80~20																		
		>=0.55%C	退火 Annealed	750	220	70~110																		
			退火和调质 Annealed And Tempering	1000	300	50~90																		
	低碳合金钢 Low Carbon Steel 铸钢(合金成分 低于%) Cast Iron (alloy Composion<5%)		退火 Annealed	600	200	70~120	0.12	0.14	0.16	0.18	0.23	0.25												
			退火和调质 Annealed And Tempering	930	275	70~110																		
				1000	300	50~90							0.18	0.21	0.24	0.26	0.31	0.35						
				1200	350	40~70																		
	高合金钢, 铸钢 High Alloy Steel , Cast Iron 工具钢 Tool Steel		退火Annealed	680	200	50~90	0.12	0.12	0.15	0.18	0.20	0.22												
		退火和调质 Annealed And Tempering	1100	325	40~80																			
	不锈钢, 铸钢 Stainless Steel Cast Iron		铁素体, 马氏体 Ferritic / Martensite	680	200	40~70	0.20	0.22	0.25	0.28	0.30	0.33												
			马氏体 Martensite	820	240	40~70	0.10	0.12	0.14	0.16	0.16	0.18												
			奥氏体 Austenitic	600	180	30~70	0.12	0.15	0.17	0.20	0.21	0.24												
	灰铸钢(%) Gray Cast Iron		铁素体 Ferritic		160	90~160	0.15	0.18	0.20	0.24	0.26	0.30												
			珠光体 Pearlitic		250	80~140																		
	球墨铸铁 Nodular Sg Iron		铁素体 Ferritic		180	90~180							0.15	0.20	0.25	0.30	0.35	0.34						
			珠光体 Pearlitic		260	80~140																		
	可锻造铁 Malleable Cast Iron		铁素体 Ferritic		130	90~160							0.30	0.35	0.40	0.45	0.55	0.60						
			珠光体 Pearlitic		230	80~140																		
	锻铝合金 CastAluminiumAlloy		未固化 Unsolidification		60	90~220	0.20	0.25	0.30	0.35	0.40	0.45												
			固化 Solidfication		100	90~220																		
	铸铝合金 Cast Aluminium Alloy	<=12%Si	未固化 Unsolidification		75	90~220							0.27	0.32	0.37	0.42	0.50	0.57						
			固化 Solidfication		90	90~220																		
		<12%Si	高温处理 High Temperature Treatment		130	80~160													0.35	0.40	0.45	0.50	0.60	0.70
			>1%Pb	易切 Free Cutting		110																		
	铜合金 Copper Alloy		黄铜 Copper		90	90~220																		
			电解铜 Cathode Copper		100	90~220																		
	非铁金属 Non-metalic Material		塑料纤维 Plastic Fiber																					
			硬橡胶 Hard Rubber																					
	高温合金 High Temperature Alloys	铁基 Iron-base	退火 Annealed			30~60	0.06	0.08	0.10	0.12	0.12	0.14												
			固化 Solidfication		200	20~50	0.08	0.10	0.12	0.15	0.16	0.18												
		镍基或 Inckel Base 钴基 Cobolt Base	退火 Annealed		280	20~50	0.11	0.13	0.15	0.18	0.20	0.22												
			固化 Solidfication		250	20~50	0.06	0.08	0.10	0.12	0.14	0.16												
			Cast		350	20~50	0.09	0.11	0.14	0.16	0.18	0.20												
	钛, 钛合金 Titanium, titanium Alloys				320	20~50	0.12	0.15	0.18	0.20	0.22	0.25												
α-β 合金化 α+β alloys					20~50	0.06	0.08	0.10	0.12	0.14	0.16													
	高硬钢 Hard Steel		淬硬 Harden		55HRC	20~50	0.09	0.11	0.14	0.16	0.18	0.20												
			淬硬 Harden		60HRC	20~50	0.12	0.15	0.18	0.20	0.22	0.25												
	冷硬铸铁 Chilled Cast Iron		铸造 Cast		400																			
	铸铁 Cast Iron		淬硬 Harden		55HRC																			

- * 如果选用超过8倍径的和无冷却水孔的刀体请降低切削速度和进给率
* Lower cutting speed and feed rate should be used for tool holders of 8D or 12D and without coolant



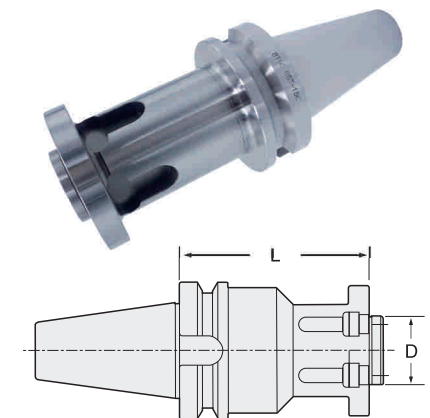
NBH2084 镗头刀柄

NBH2084 Boring Cutter Toolholder



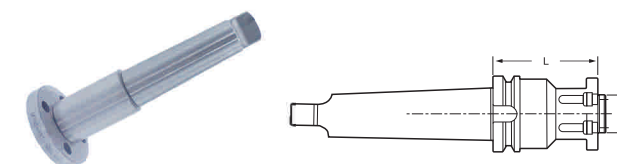
BST 镗头刀柄

BST Boring Cutter Toolholder



BST粗精镗孔刀头基础柄系列 (镗孔范围 $>\varnothing 200$)

BST Basic Holder For Roughness And Precision Boring Bar(boring Range > Ø200)



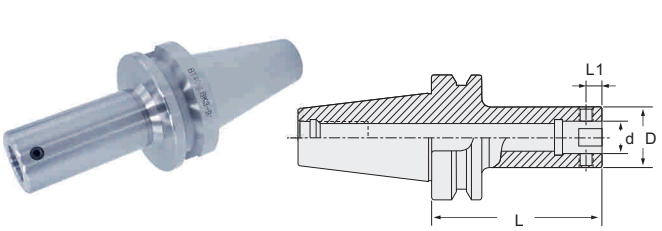
编码 Order	型号 Model	尺寸 Size (mm)		单价
		D	L	RMB
511000	BT30-NBH2084	35	55	600
511002	BT40-NBH2084	35	45	476
511004	BT50-NBH2084	35	55	950
511006	NT30-NBH2084	35	55	600
511008	NT40-NBH2084(5/8)	35	25	600
511010	NT40-NBH2084	35	25	600
511012	NT50-NBH2084	35	25	1200
511014	SK40-NBH2084	35	55	600
511016	SK50-NBH2084	35	55	1200
511018	BBT40-NBH2084	35	45	2501
511020	BBT50-NBH2084	35	55	3500
511022	CAT40-NBH2084	35	55	750
511024	CAT50-NBH2084	35	55	1500
511026	HSK63A-NBH2084	35	85	2501
511028	HSK100A-NBH2084	35	90	3500
511030	ISO40-NBH2084	35	45	750
511032	ISO50-NBH2084	35	55	1500
511034	C20-NBH2084	35	15	1001
511036	R8-NBH2084	35	15	600
511038	BT40-NBH2084-100L	35	100	1001
511040	BT40-NBH2084-150L	35	150	1500
511042	BT40-NBH2084-200L	35	200	2000
511044	BT40-NBH2084-250L	35	250	2501
511046	BT50-NBH2084-100L	35	100	1200
511048	BT50-NBH2084-150L	35	150	1500
511050	BT50-NBH2084-200L	35	200	2000
511052	BT50-NBH2084-250L	35	250	2501
511054	BT50-NBH2084-300L	35	300	3000
511056	MT3-NBH2084	35	15	701
511058	MT4-NBH2084	35	15	701
511060	MT5-NBH2084	35	15	851
511062	MT6-NBH2084	35	15	1100
511064	MTB3-NBH2084	35	15	701
511066	MTB4-NBH2084	35	15	701
511068	MTB5-NBH2084	35	15	851
511070	MTB6-NBH2084	35	15	1100

编码 Order	型号 Model	尺寸 Size (mm)		单价 RMB
		D	L	
511072	BT40-BST-70	50	70	1100
511074	BT40-BST-100	50	100	1100
511076	BT40-BST-150	50	150	1301
511078	BT40-BST-200	50	200	1400
511080	BT50-BST-100	50	100	1100
511082	BT50-BST-150	50	150	1301
511084	BT50-BST-200	50	200	1400
511086	BT50-BST-250	50	250	1751
511088	BT50-BST-300	50	300	2000
511090	BT50-BST-350	50	350	2250
511092	BT50-BST-400	50	400	2501
511094	BT50-BST-450	50	450	3251
511096	BT50-BST-500	50	500	4001
511098	SK40-BST-100	50	100	1500
511100	SK40-BST-150	50	150	2000
511102	SK50-BST-100	50	100	1500
511104	SK50-BST-150	50	150	2000
511106	SK50-BST-200	50	200	2501
511108	SK50-BST-250	50	250	3000
511110	SK50-BST-300	50	300	3500
511112	NT50-BST-100	50	100	1500
511114	NT50-BST-150	50	150	2000

编码 Order	型号 Model	尺寸 Size (mm)		单价 RMB
		D	L	
511116	MT4-BST-100	50	100	1000
511118	MT5-BST-100	50	100	1000
511120	MT6-BST-100	50	100	1333
511122	MT6-BST-150	50	150	1667
511124	MT6-BST-200	50	200	2000
511126	MT6-BST-250	50	250	2333

BT-LBK 镗头刀柄

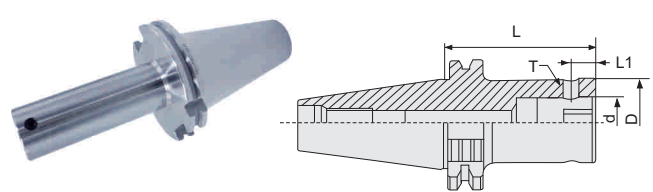
BT-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L1	L		
511200	BT30 LBK1-70	19	11	5.05	75	SM4	350
511202	LBK1-105	19	11	5.05	105		350
511204	LBK2-80	24	11	5.05	130		475
511206	LBK2-115	24	11	5.05	165	SM5	600
511208	LBK3-80	31	11	5.05	195		1000
511210	LBK3-110	31	28	6.62	75	SM6	350
511212	LBK4-70	39	28	6.62	125		350
511214	LBK4-115	39	28	6.62	175	SM8	475
511216	LBK5-70	50	28	6.62	235		600
511218	LBK5-130	50	14	13	110	SM10	1000
511220	LBK6-60	64	14	13	140		350
511222	LBK6-125	64	14	13	175	SM12	350
511224	BT40 LBK1-75	19	14	13	235		600
511226	LBK1-105	19	11	5.05	85	SM4	1000
511228	LBK1-130	19	11	5.05	115		900
511230	LBK1-165	19	14	6.62	150		1000
511232	LBK1-195	19	14	6.62	175	SM5	1100
511234	LBK2-85	24	18	8	220		1820
511236	LBK2-115	24	18	8	95		350
511238	LBK2-130	24	22	10	125	SM6	600
511240	LBK2-165	24	22	10	155		350
511242	LBK2-200	24	28	13	210		600
511244	LBK3-95	31	28	13	70	SM8	350
511246	LBK3-125	31	36	16	105		600
511248	LBK3-155	31	36	16	80		350
511250	LBK3-210	31	14	6.62	115	SM10	600
511252	LBK4-85	39	14	6.62	80		350
511254	LBK4-115	39	14	6.62	110		600
511256	LBK4-150	39	14	6.62	70	SM8	350
511258	LBK4-175	39	14	6.62	115		600
511260	LBK4-220	39	22	10	70		350
511262	LBK5-75	50	22	10	130	SM10	350
511264	LBK5-125	50	22	10	60		475
511266	LBK5-175	50	22	10	125		600
511268	LBK5-235	50	22	10	85	SM12	1000
511270	LBK6-65	64	18	8	115		350
511272	LBK6-115	64	18	8	130		350
511274	LBK6-165	64	18	8	165	SM12	600
511276	LBK6-200	64	18	8	200		1000
511278	LBK6-240	64	36	16	65		350
511280	BT50 LBK1-115	19	36	16	115	SM4	350
511282	LBK1-145	19	36	16	165		600
511284	LBK1-175	19	36	16	200		1000
511286	LBK1-200	19	36	16	240	SM5	1000
511288	LBK2-110	24	11	5.05	115		900
511290	LBK2-140	24	11	5.05	145		1000
511292	LBK2-175	24	11	5.05	175	SM6	1100
511294	LBK2-235	24	11	5.05	200		1350
511296	LBK3-125	31	28	13	105		900
511298	LBK3-155	31	28	13	180	SM8	1000
511300	LBK3-185	31	28	13	240		1100
511302	LBK3-215	31	28	13	300		1260
511304	LBK3-255	31	28	13	350	SM10	1540
511306	LBK3-290	31	18	8	125		1820
511308	LBK3-350	31	18	8	155		2500
511310	LBK4-115	39	18	8	185	SM12	900
511312	LBK4-145	39	18	8	215		1100
511314	LBK4-175	39	18	8	255		1260
511316	LBK4-205	39	18	8	290	SM8	1820
511318	LBK4-255	39	18	8	350		2500
511320	LBK4-305	39	22	10	115		900
511322	LBK4-355	39	22	10	145	SM10	1000
511324	LBK5-105	50	22	10	175		1100
511326	LBK5-180	50	22	10	205		1260
511328	LBK5-240	50	22	10	255	SM12	1540
511330	LBK5-300	50	22	10	305		1820
511332	LBK5-350	50	22	10	355		2500
511334	LBK6-95	64	36	16	95	SM8	900
511336	LBK6-140	64	36	16	140		1100
511338	LBK6-170	64	36	16	170		1100
511340	LBK6-230	64	36	16	230	SM10	1260
511342	LBK6-290	64	36	16	290		1820
511344	LBK6-350	64	36	16	350		2500
511346	LBK6-400	64	36	16	400	SM12	3000
511348	LBK6-450	64	36	16	450		3500
511350	LBK6-500	64	36	16	500		4000
511352	LBK6-550	64	36	16	550	SM10	4500
511354	LBK6-600	64	36	16	600		5000
511356	LBK6-650	64	36	16	650		5500
511358	LBK6-700	64	36	16	700	SM12	6000

SK-LBK 镗刀柄

SK-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L1	L		
511360	SK40 LBK1-105	19	11	5.05	105	SM4	600
511362	LBK2-115	24	14	6.62	115	SM5	600
511364	LBK3-125	31	18	8	125	SM6	600
511366	LBK4-130	39	22	10	130	SM8	600
511368	LBK5-125	50	28	13	125	SM10	600
511370	LBK6-65	64	36	16	65	SM12	600
511372	SK50 LBK1-105	19	11	5.05	105	SM4	1500
511374	LBK2-115	24	14	6.62	115	SM5	1500
511376	LBK3-125	31	18	8	125	SM6	1500
511378	LBK4-130	39	22	10	130	SM8	1500
511380	LBK4-170	39	22	10	170	SM8	2000
511382	LBK5-125	50	28	13	125	SM10	1500
511384	LBK5-180	50	28	13	180	SM10	2000
511386	LBK5-240	50	28	13	240	SM10	2750
511388	LBK6-115	64	36	16	115	SM12	1500
511390	LBK6-170	64	36	16	170	SM12	2000
511392	LBK6-230	64	36	16	230	SM12	2750
511394	LBK6-290	64	36	16	290	SM12	3750

HSK-LBK 镗刀柄

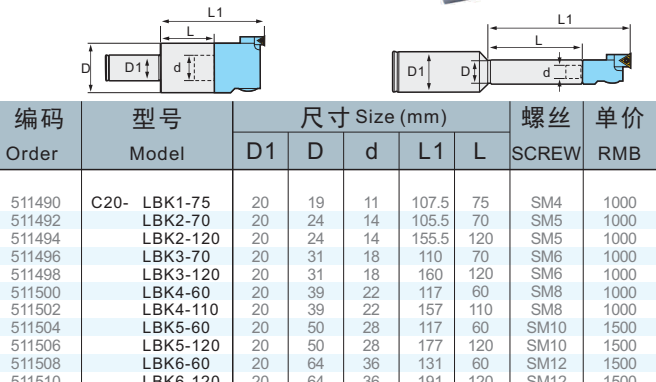
HSK-LBK Boring Cutter Toolholder



编码 Order	型号 Model	尺寸 Size (mm)				螺丝 SCREW	单价 RMB
		D	d	L1	L		
511396	HSK50A LBK1-70	19	11	5.05	70	SM4	3750
511398	LBK2-80	24	14	6.62	80	SM5	3750
511400	LBK3-80	31	18	8	80	SM6	3750
511402	LBK4-70	39	22	10	70	SM8	3750
511404	LBK5-70	50	28	13	70	SM10	3750
511406	LBK6-90	64	36	16	90	SM12	3750
511408	HSK63A LBK1-75	19	11	5.05	75	SM4	2250
511410	LBK1-105	19	11	5.05	105		2250
511412	LBK1-135	19	11	5.05	135		2500
511414	LBK1-165	19	11	5.05	165	SM5	2750
511416	LBK2-85	24	14	6.62	85		2250
511418	LBK2-115	24	14	6.62	115		2250
511420	LBK2-130	24	14	6.62	130	SM6	2500
511422	LBK2-165	24	14	6.62	165		2750
511424	LBK3-95	31	18	8	95		2250
511426	LBK3-125	31	18	8	125	SM8	2250
511428	LBK3-155	31	18	8	155		2500
511430	LBK4-85	39	22	10	85		2250
511432	LBK4-130	39	22	10	130	SM10	2500
511434	LBK4-175	39	22	10	175		2750
511436	LBK5-75	50	28	13	75		2250
511438	LBK5-125	50	28	13	125	SM12	2250
511440	LBK5-175	50	28	13	175		2750
511442	LBK6-65	64	36	16	65		2250
511444	LBK6-115	64	36	16	115	SM4	2250
511446	LBK6-165	64	36	16	165		2750
511448	HSK100A LBK1-115	19	11	5.05	115	SM5	3500
511450	LBK1-145	19	11	5.05	145		3500
511452	LBK2-110	24	14	6.62	110		3500
511454	LBK2-140	24	14	6.62	140	SM6	4000
511456	LBK2-175	24	14	6.62	175		3500
511458	LBK3-125	31	18	8	125		3500
511460	LBK3-155	31	18	8	155	SM8	4000
511462	LBK3-185	31	18	8	185		4000
511464	LBK3-215	31	18	8	215		5000
511466	LBK4-115	39	22	10	115	SM10	3500
511468	LBK4-160	39	22	10	160		4000
511470	LBK4-205	39	22	10	205		5000
511472	LBK5-105	50	28	13	105	SM12	3500
511474	LBK5-180	50	28	13	180		4000
511476	LBK5-240	50	28	13	240		5000
511478	LBK6-95	64	36	16	95	SM10	3500
511480	LBK6-170	64	36	16	170		4000
511482	LBK6-230	64	36	16	230		5000
511484	LBK6-290	64	36	16	290	SM12	6000

C20/25/32-LBK 镗刀柄

C20/25/32-LBK Boring Cutter Toolholder



HBOR 极细微调精搪孔刀

HBOR Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	镗孔范围 Boring Range	尺寸 Size (mm)			组件 Assembly			重量 Weight(kg)	单价 RMB
			D	L		主体 Body	MA	MB		
511750	HBOR25M	29-38	25	50		HBOR25	M5x12		0.16	8000
511752	HBOR32M	36-52	32	63		HBOR32	M6x12		0.37	8000
511754	HBOR40M	44-68	40	63		HBOR40	M6x12		0.53	9000
511756	HBOR50BM	57-90	50	80		HBOR50	BM8x20		1.05	9000
511758	HBOR63BM1	70-110	63	80		HBOR63	BM8x20	M8x14	1.65	11000
511760	HBOR63BM2	110-150	63	80		HBOR63	BM8x20	M8x14	1.76	11000

HBOR 极细微调精搪孔刀-反搪

HBOR Micro-Finishing Cutter for Revers Fine Boring Head

编码 Order	型号 Model	镗孔范围 Boring Range	尺寸 Size (mm)			组件 Assembly			重量 Weight(kg)	单价 RMB
			M3	M2	D	主体 Body	MA	MB		
511770	HBOR25 MK	29-38	50	42	25	HBOR25	M5x12		0.16	10825
511772	HBOR32 MK	36-52	63	52.5	32	HBOR32	M6x12		0.37	12925
511774	HBOR40 MK	44-68	63	53	40	HBOR40	M6x12		0.53	13475
511776	HBOR50 BMK	57-90	80	64.5	50	HBOR50	BM8x20		1.05	12000
511778	HBOR63 BMK1	70-110	80	62.5	63	HBOR63	BM8x20	M8x14	1.65	13000
511780	HBOR63 BMK2	110-150	80	62.5	63	HBOR63	BM8x20	M8x14	1.76	13000

HBOR63+BM140 极细微调精搪孔+外圆系统

HBOR50+BM140 Micro-Finishing Cutter Fine Boring + outer circle system

编码 Order	型号 Model	镗孔范围 Boring Range	尺寸 Size (mm)			组件 Assembly			重量 Weight(kg)	单价 RMB
			M3	M2	D	主体 Body	MA	MB		
511770	HBOR25 MK	29-38	50	42	25	HBOR25	M5x12		0.16	10825
511772	HBOR32 MK	36-52	63	52.5	32	HBOR32	M6x12		0.37	12925
511774	HBOR40 MK	44-68	63	53	40	HBOR40	M6x12		0.53	13475
511776	HBOR50 BMK	57-90	80	64.5	50	HBOR50	BM8x20		1.05	12000
511778	HBOR63 BMK1	70-110	80	62.5	63	HBOR63	BM8x20	M8x14	1.65	13000
511780	HBOR63 BMK2	110-150	80	62.5	63	HBOR63	BM8x20	M8x14	1.76	13000

BM140精搪刀杆运用于HBOR63刀杆
BM140精搪范围为150~280mm

BM140 Micro boring holder matches with HBOR63 boring head.
The boring range of BM140 boring system is from 150-280mm.

HBOR25 极细微调精搪孔系统

HBOR25 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	尺寸 Size (mm)		重量 Weight(kg)	单价 RMB
		L1			
511790	BT30-HBOR25P	35		0.63	
511792	BT40-HBOR25P	40		1.22	
511794	SK30-HBOR25P	30		0.58	
511796	SK40-HBOR25P	30		0.72	
511798	HSK63-HBOR25P	40		0.92	

整体钨钢小镗刀

Carbide small boring cutter

编码 Order	型号 Model	范围 Range	尺寸 Size (mm)		重量 Weight(kg)	单价 RMB
			L1	Ød		
511810	CA0602-09T	2-3.2	9	2	0.01	400
511812	CA0603-16T	3-4.2	16	3	0.01	400
511814	CA0604-22T	5-5.2	22	4	0.02	400
511816	CA0605-27T	5-6.2	27	5	0.02	400
511818	CA0606-32T	6-7.2	32	6	0.02	400

钨钢防振刀杆

Carbide anti vibration Toolholder

编码 Order	型号 Model	范围 Range	深度 L1	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight(kg)	单价 RMB
511830	CB06050-21	5-6	21				0.008	800
511832	CB06055-26	5.5-6.5	26	CC..03..	M1.6x3	T6	0.010	800
511834	CB06060-26	6-7	26				0.011	800
511836	CB06065-31	6.5-7.5	31				0.015	800
511838	CB06070-31	7-8	31	CC..04..	M2.0x4	T6	0.016	800

HBOR32 极细微调精搪孔系统

HBOR32 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	尺寸 Size (mm)		重量 Weight(kg)	单价 RMB
		L1			
511850	BT30-HBOR32P	35		0.76	
511852	BT40-HBOR32P	40		1.35	
511854	SK30-HBOR32P	35		0.71	
511856	SK40-HBOR32P	35		1.30	
511858	HSK63-HBOR32P	40		1.32	

整体钨钢小镗刀

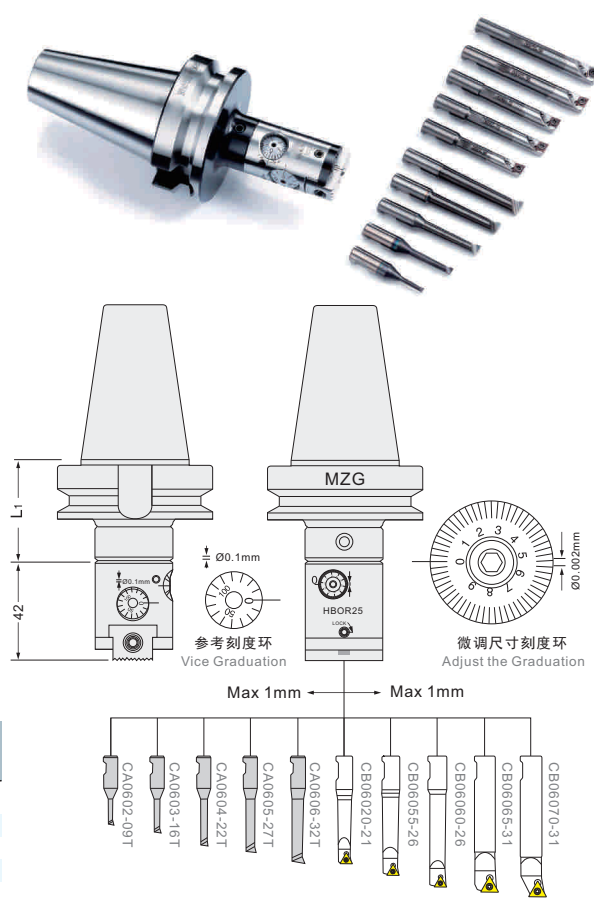
Carbide small boring cutter

编码 Order	型号 Model	范围 Range	尺寸 Size (mm)		重量 Weight(kg)	单价 RMB
			L1	Ød		
511890	CA0802-09T	2-3.2	9	2	0.03	600
511892	CA0803-16T	3-4.2	16	3	0.03	600
511894	CA0804-22T	5-5.2	22	4	0.03	600
511896	CA0805-27T	5-6.2	27	5	0.04	600
511898	CA0806-32T	6-7.2	32	6	0.04	600
511900	CA0807-37T	7-8.2	37	7	0.04	600
511902	CA0808-42T	8-9.2	42	8	0.05	600

钨钢防振刀杆

Carbide anti vibration Toolholder

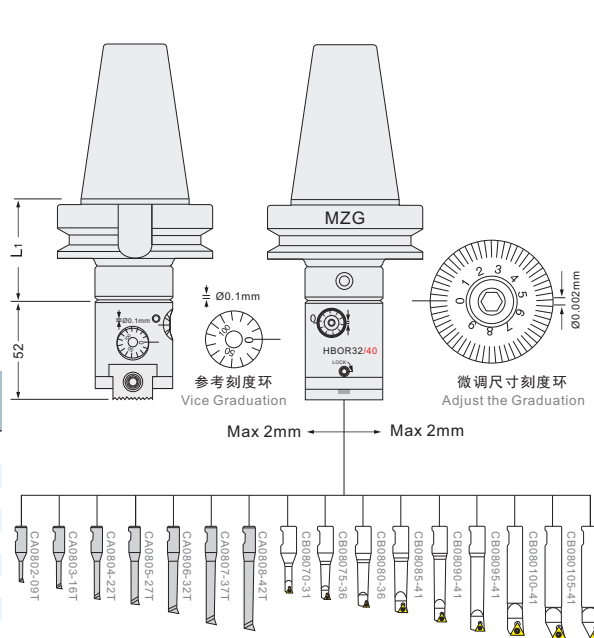
编码 Order	型号 Model	范围 Range	深度 L1	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight(kg)	单价 RMB
511910	CB08070-31	7-8	31				0.020	800
511912	CB08075-36	7.5-8.5	36				0.025	800
511914	CB08080-36	8-9	36				0.030	800
511916	CB08085-41	8.5-9.5	41				0.035	800
511918	CB08090-41	9-10	41	CC..04..	M2.0x4	T6	0.040	800
511920	CB08095-41	9.5-10.5	41				0.040	800
511922	CB08100-41	10-11	41				0.040	800
511924	CB08105-41	10.5-11.5	41				0.040	800
511926	CB08110-41	11-12	41				0.040	800



HBOR40 极细微调精搪孔系统

HBOR40 Micro-Finishing Cutter Fine Boring System

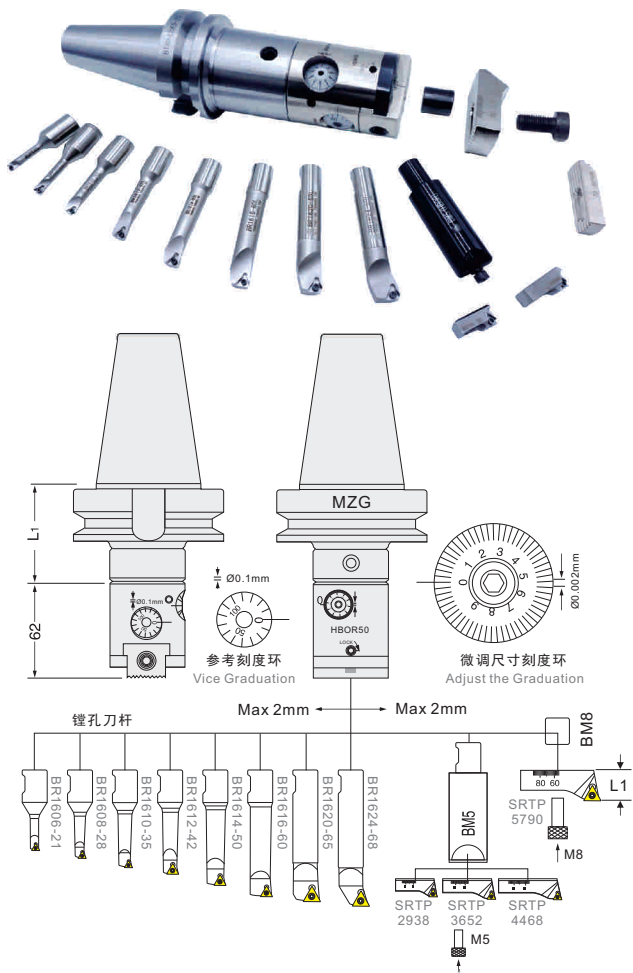
编码 Order	型号 Model	尺寸 Size (mm)		重量 Weight(kg)	单价 RMB
		L1			
511870	BT30-HBOR40P	35		0.95	
511872	BT40-HBOR40P	40		1.34	
511874	SK30-HBOR40P	35		0.9	
511876	SK40-HBOR40P	35		1.29	
511878	HSK63-HBOR40P	45		0.92	



HBOR50 极细微调精搪孔系统

HBOR50 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	范围 Range	L1	重量 Weight(kg)	单价 RMB
511930	BT30-HBOR50-14P	06-90	70	5.84	19000
511932	BT40-HBOR50-14P	06-90	75	6.42	19000
511934	BT50-HBOIR50-14P	06-90	90	9.07	20000
511936	SK30-HBOR50-14P	06-90	55	5.97	19000
511938	SK40-HBOR50-14P	06-90	50	6.39	19000
511940	SK50-HBOR50-14P	06-90	50	8.62	20000
511942	HSK63-HBOR50-14P	06-90	50	6.13	21000



HBOR63 极细微调精搪孔系统

HBOR63 Micro-Finishing Cutter Fine Boring System

编码 Order	型号 Model	范围 Range	L1	重量 Weight(kg)	单价 RMB
511950	NT40-HBOR63-15P	06-150	65	7.2	21250
511952	NT50-HBOR63-15P	06-150	95	9.8	22250
511954	BT40-HBOR63-15P	06-150	65	7.2	21250
511956	BT50-HBOR63-15P	06-150	95	9.8	22250
511958	SK40-HBOR63-15P	06-150	65	7.2	21250
511960	SK50-HBOR63-15P	06-150	95	9.0	22250
511962	HSK63-HBOR63-15P	06-150	65	7.0	23500

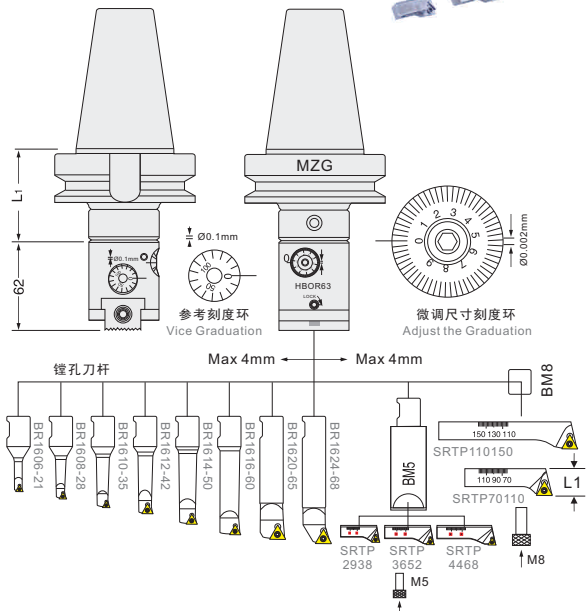


镗孔刀杆组件

Cutting Insert Toolholder



编码 Order	型号 Model	范围 Range	深度 L1	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight(kg)	单价 RMB
511970	BR1606-21	6-9	21	WB..06..	M2.0x4	T6	0.04	
511972	BR1608-28	8-11	28				0.04	
511974	BR1610-35	10-13	38	TB..06..	M2.0x4	T6	0.05	
511976	BR1612-42	12-15	42				0.06	
511978	BR1614-50	14-17	50	TP..09..	M2.5x6	T8	0.07	
511980	BR1616-60	16-20	60				0.09	
511982	BR1620-65	20-24	65	TP..11..	M3.0x8	T8	0.11	
511984	BR1624-68	24-28	68				0.12	
511986	BM5	-	60+	-	-	-	0.25	
511988	S RTP2938	28-38	+10				0.01	
511990	S RTP3652	36-52	+12	TP..09..	M2.5x6	T8	0.02	
511992	S RTP4468	44-68	+12				0.03	
511994	BM8	-	-	-	-	-	0.10	
511995	S RTP5790	57-90	+20				0.10	
511996	S RTP70110	70-110	+20	TP..11..	M3.0x8	T8	0.21	
511997	S RTP110150	110-150	+20				0.21	
511998	BM140	-	20+	-	-	-	0.50	

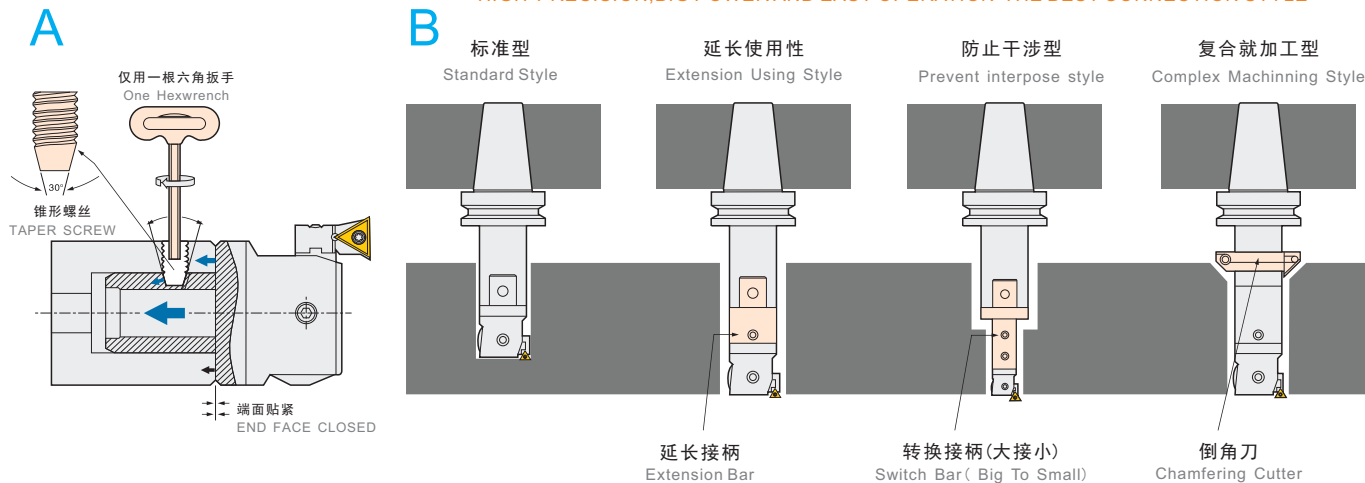


CBH 模块式镗刀系列

CBH Modular Boring Tool

高精度，强力，操作方便-理想的连接方式

HIGH PRECISION,BIG POWER AND EASY OPERATION-THE BEST CONNECTION STYLE



1. 依靠30度锥形螺丝，把紧固力转换成轴向拉力，使镗刀端面与本体端面贴紧。（如图A）
 2. 模块式设计，可以自由设定加工直径和有效加工深度，配用。转换接头（大接小）减小刀具直径，即可以确保刚性，又可以防止干涉，在配合倒角器可自由组合成最合适的镗削刀具（如图B）
 3. 因镗头与本体的连接精度非常高所以祇需对镗头单独封刀，可减轻劳动强度，提高工作效率，降低综合成本。
1. Depending on the 30 degree tapered screw, the tightening force is converted into axial tension, so that the end face of the boring cutter and the end face of the main body are closely connected. (as shown in figure a)
 2. Modular design, free to set machining diameter and effective machining depth, matching. The change-over joint (large joint and small joint) reduces the tool diameter, which ensures the rigidity,It can also prevent interference, and can be freely combined into the most suitable boring tool (as shown in Fig. b) with the chamferer
 3. Because the connection precision between boring head and body is very high, it is necessary to seal the boring head separately, which can reduce the labor intensity, improve the working efficiency and reduce the comprehensive cost.

CBH 产品主要部位名称

The Name Of The Main Part Of Products With CBH

使用顺序

Sequence of use

请参照图示，按下列顺序1-5顺序操作

Please Operate The Following Step(1-5)according To The Diagram Figured

1. 松开固定螺丝
2. 按顺时针方向旋转调旋钮，使加工直径增大，调整旋钮刻度为 $\varnothing 0.01\text{mm}$ 。
3. 按逆时针方向旋转调旋钮，使加工直径减小。
4. 调整尺寸加工时，请按同方向微调，以确保微调精度。
5. 微调至所需尺寸时，请以适当扭力锁紧固定螺丝。

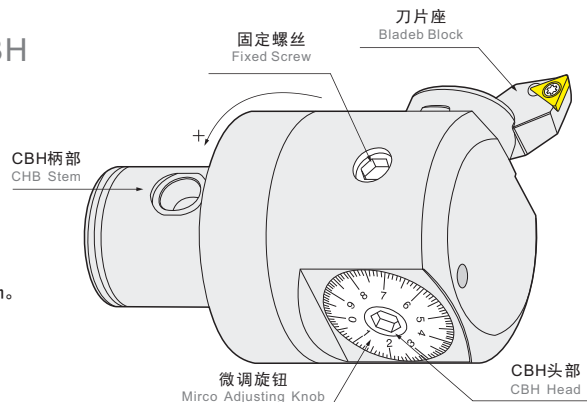
1. Loosen the fixing screw
2. Turn the knob clockwise to increase the machining diameter, and adjust the knob scale to $\varnothing 0.01\text{mm}$.
3. Turn the knob anticlockwise to reduce the machining diameter.
4. When adjusting the dimension processing, please make fine adjustment in the same direction to ensure the precision of fine adjustment.
5. When fine tuning to the required size, please lock the fixing screw with proper torque.

使用者注意事项

Notices of the user

1. 请使用在加工范围内。
2. 当滑座在已锁紧状态下，请勿旋转调整旋钮，否则会导致调整机构被破坏。
3. 滑座之固定，请使用专用扳手，以适当扭力来确保锁紧固定螺丝。过度锁紧会导致座体移位，过松会造成精度不良。
4. 本产品是由精度螺丝、移动刀片座旋转调整旋钮，在阻力很大或无法移动是，请停止调整，并确保以下事项：
 - ① 固定螺丝是否松开。
 - ② 是否超出调整范围。
 - ③ 当过度旋转调整旋钮时，会导致本体内部被破坏。

1. Please use in the processing range.
2. When the sliding seat is locked, do not rotate the adjustment knob, otherwise the adjustment mechanism will be damaged.
3. For the fixation of sliding seat, please use a special spanner to ensure that the fixing screw is locked with proper torque. Over locking will lead to displacement of seat body, and over loosening will lead to poor accuracy.
4. This product is made of precision screw and moving blade seat to rotate the adjusting knob. If the resistance is very large or it cannot be moved, please stop adjusting and ensure the following items:
 - ① Whether the fixing screw is loosened
 - ② Whether the adjustment range is exceeded
 - ③ When the adjustment knob is rotated excessively, the interior of the body will be damaged

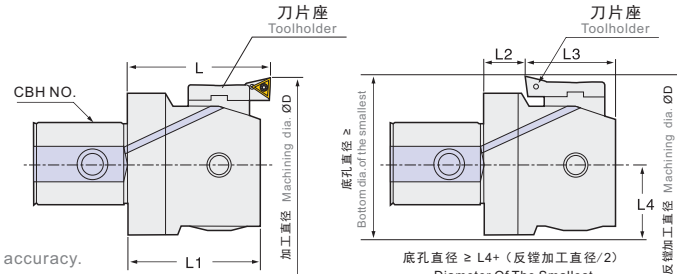


CBH 微调精密镗头
CBH Micro Boring Head



中心带内冷出水孔。
动平衡结构，高速也能达可靠加工精度。
可以反镗加工，加大附加值。

Cold water outlet hole in the center belt.
Dynamic balance structure, high speed can also achieve reliable machining accuracy.
Can reverse boring processing, increase added value.



刀片座
Toolholder

刀片座
Toolholder

CBH NO.

L

加工直径 Machining dia. ØD

底孔直径 ≥ L4+ (反镗加工直径/2)
Diameter Of The Smallest

反镗加工直径 Machining dia. ØD

L4

L1

L2

L3

编码 Order	型号 Model	正镗 Boring			反镗 Reverse Boring			组件 Assembly						重量 Weight (kg)	单价 RMB	
		L1	L	范围 Range	L4	L2	L3	范围 Range	刀柄 Holder	镗头 Head	刀片座 Toolholder	刀片 Insert	螺丝 Screw			扳手 Wrench
512000	CBH20-1	29.5	32.5	20-26	10	10.5	19	-	LBK1	CBH20	CBH1-1				0.07	1440
512002	CBH20-2	29.5	32.5	25-31	10	10.5	19	30-31	LBK1	CBH20	CBH1-2				0.07	1440
512004	CBH20-3	29.5	32.5	30-36	10	10.5	19	30-36	LBK1	CBH20	CBH1-3				0.07	1440
512006	CBH25-1	32.5	35.5	25-33	12.5	11.5	21	-	LBK2	CBH25	CBH2-1				0.12	1600
512008	CBH25-2	32.5	35.5	32-40	12.5	11.5	21	36-40	LBK2	CBH25	CBH2-2	TP..0802..	M2.2x6	T6	0.12	1600
512010	CBH25-3	32.5	35.5	39-47	12.5	11.5	21	39-47	LBK2	CBH25	CBH2-3				0.12	1600
512012	CBH32-1	35	40	32-42	16	10	25	-	LBK3	CBH32	CBH3-1				0.21	1734
512014	CBH32-2	35	40	41-51	16	10	25		LBK3	CBH32	CBH3-2				0.21	1734
512016	CBH32-3	35	40	50-60	16	10	25	50-60	LBK3	CBH32	CBH3-3				0.21	1734
512018	CBH41-1	43	47	41-54	20	14	29		LBK4	CBH41	CBH4-1				0.40	1940
512020	CBH41-2	43	47	50-63	20	14	29	53-63	LBK4	CBH41	CBH4-2				0.40	1940
512022	CBH41-3	43	47	61-74	20	14	29		LBK4	CBH41	CBH4-3				0.40	1940
512024	CBH53-1	53	57	53-70	25.5	19	34	62-70	LBK5	CBH53	CBH5-1				1.10	2160
512026	CBH53-2	53	57	65-82	25.5	19	34		LBK5	CBH53	CBH5-2				1.10	2160
512028	CBH53-3	53	57	78-95	25.5	19	34	78-95	LBK5	CBH53	CBH5-3	TC..1102..	M2.5x6	T8	1.10	2160
512030	CBH68-1	67.2	71	68-100	32.5	22	45.2		LBK6	CBH68	CBH6-1				1.47	2540
512032	CBH68-2	67.2	71	94-126	32.5	22	45.2	94-126	LBK6	CBH68	CBH6-2				1.47	2540
512034	CBH68-3	67.2	71	118-150	32.5	22	45.2		LBK6	CBH68	CBH6-3				1.47	2540
512036	CBH100-1	67.2	71	100-153	45.5	22	45.2	112-153	LBK6	CBH100	CBH6-1				2.46	3000
512038	CBH100-2	67.2	71	126-179	45.5	22	45.2		LBK6	CBH100	CBH6-2				2.46	3000
512040	CBH100-3	67.2	71	150-203	45.5	22	45.2	150-203	LBK6	CBH100	CBH6-3				2.46	3000

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

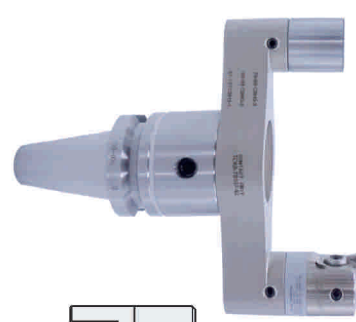
NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

铰刀

CBH-M 外圆镗刀
CBH-M External boring cutter



干涉范围
Scope

基础架
Foundation Frame

平衡块
Balance Block

镗头
Boring Head

刀片座
Toolholder

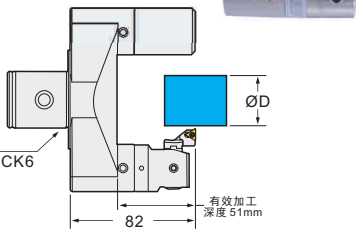
CK3

40

有效加工
深度 51mm

82

ØD



CK6

有效加工
深度 51mm

82

ØD

CBH大径镗刀反向装可以进行镗外圆加工
加工范围 Ø116-Ø200

CBH large diameter boring cutter can be
installed reversely for boring outer circle
Processing range Ø 116 - Ø 200

编码 Order	型号 Model	范围 Range	组件 Assembly						单价 RMB
			刀片座 Toolholder	基础架 Foundation Frame	镗头 Head	刀片 Insert	螺丝 Screw	扳手 Wrench	
512100	CBH-M23-33	23-33	CBH3-3						5778
512102	CBH-M32-42	32-42	CBH3-2						5778
512104	CBH-M41-51	41-51	CBH3-1	CK6-2351-42 干涉范围=114mm					5778
512106	CBH-M51-61	51-61	CBH3-3						6667
512108	CBH-M60-71	60-71	CBH3-2						6667
512110	CBH-M69-79	69-79	CBH3-1	CK6-5179-42 干涉范围=142mm					6667
512112	CBH-M79-89	79-89	CBH3-3						7778
512114	CBH-M88-98	88-98	CBH3-2						7778
512116	CBH-M97-107	97-107	CBH3-1	CK6-79107-42 干涉范围=170mm					7778

CBR20,CBR30组合式镗外圆组件(镗孔范围Ø5-Ø52mm)
CBR20, CBR30 combined cylindrical bore components (bore range is 5- 52mm)



ØD

40

55

Z

ØE

m

编码 Order	镗头 Head	范围 A Range	转换杆 Flange	尺寸 Size (mm)			组件 Assembly				单价 RMB
				偏心 E	深度 Z	柄径 ØD	刀片 Insert	螺丝 Screw	扳手 Wrench		
512120	BE36A	5-14								1500	
512122	BE34A	7-16								1500	
512124	BE32A	9-18								1500	
512126	BE30A	11-20								1500	
512128	BE28A	13-22	C16-CBR20	20	27	16	TP..0802..	M2.2x6	T6	1500	
512130	BE26A	15-24								1500	
512132	BE24A	17-26								1500	
512134	BE22A	19-28								1500	
512136	BE20A	21-30								1500	
512138	BE18A	23-32								1500	
512140	BE36A	25-34								1800	
512142	BE34A	27-36								1800	
512144	BE32A	29-38								1800	
512146	BE30A	31-40								1800	
512148	BE28A	33-42	C16-CBR30	30	27	16	TP..0802..	M2.2x6	T6	1800	
512150	BE26A	35-44								1800	
512152	BE24A	37-46								1800	
512154	BE22A	39-48								1800	
512156	BE20A	41-50								1800	
512158	BE18A	43-52								1800	

※C16-CBR20，CBR30 为 CBR16搪孔器转用搪外圆组件
※C20-CBR20，CBR30 为 CBR2084 搪孔器专用搪外圆组件

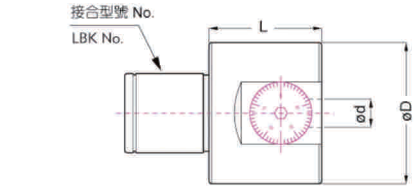
C16-CBR20, CBR30 for CBR16 lining hole to lined cylindrical component
C20-CBR20, CBR30 CBR2084 for lining lining hole cylindrical component

CBI小径微调搪刀系列(搪孔范围ø3-ø50mm)

CBI diameter micro adjusting boring cutter series (bore range Ø3- Ø50mm)

- 1.CBI小径精搪刀有三种选择，通用于ø3-ø50mm小孔径使用，如使用全钨钢小径搪刀杆可加工ø3~14ømm小孔。
- 2.调整刻度为圆周50等分，每格调整尺寸为直径0.01mm，另有副尺可作更精细之调整。
- 3.精密道程螺丝位于内部，不受切削，磨损，生锈等影响，具有内部润滑，精毕耐用。

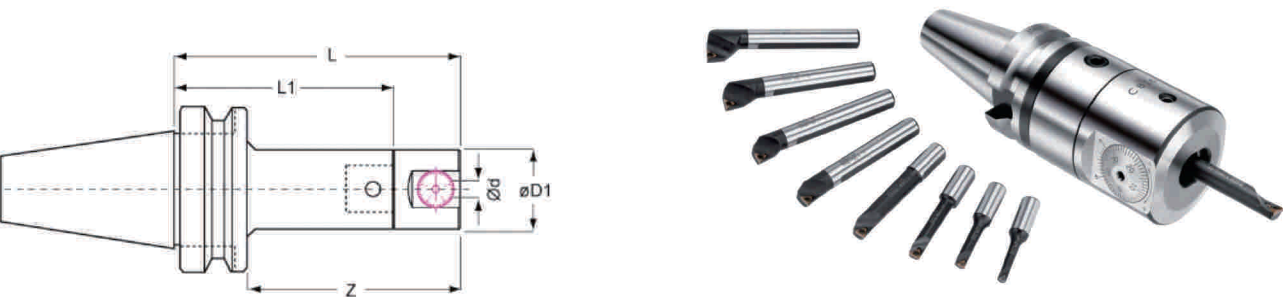
1. There are three options for CBI small-diameter fine lining knife, which is generally used for the use of φ 3 - φ 50mm small hole. For example, if the full tungsten steel small-diameter lining knife rod is used, the φ 3-14 φ mm small hole can be processed.
2. Adjust the scale to 50 equal parts of the circumference, adjust the size of each grid to 0.01mm diameter, and adjust the auxiliary ruler more precisely.
3. The precision path screw is located in the interior, not affected by cutting, abrasion, rust, etc., with internal lubrication and durable finish.



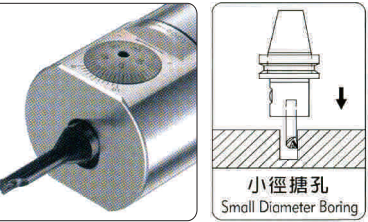
编码 Order	型号 Model	接口 LBK No	范围 Range	微调 Fine tuning	尺寸 Size (mm)			重量 Weight(kg)	单价 RMB
					Ød	ØD	L		
512200	CBI4	LBK4	8-24	0-2.0	10	39	32	0.4	4300
512202	CBI5	LBK5	8-27	0-3.5	12	50	40	0.8	2900
512204	NBJ16	LBK6	8-50	0-6.0	16	64	50	1.2	2000

CBI小径微调精搪刀+LBK刀柄(MAS 403 BT)+小径搪刀杆BJ系列

CBI small diameter fine tuning fine boring tool + LBK Toolholder (MAS 403 BT) + small diameter boring bar BJ series



编码 Order	型号 Model	正镗 Boring			反镗 Reverse Boring				组件 Assembly			重量 Weight (kg)	单价 RMB
		微调 F	深度 Z	接口 LBK NO	L	L1	ØD1	范围 Range	刀柄 Holder	镗头 Head	刀杆 Toolholder		
512210	BT30-CBI4-BJ10-6PCS	0-2.0	45	4	77	45	39	8-24	BT30-LBK4-45	CBI4	BJ10-5PCS	1.9	7200
512212	BT30-CBI5-BJ12-6PCS	0-3.5	65	5	105	65	50	8-27	BT30-LBK5-65	CBI5	BJ12-5PCS	2.3	5300
512214	BT40-CBI4-BJ10-6PCS	0-2.0	50	4	82	50	39	8-24	BT40-LBK4-50	CBI4	BJ10-5PCS	2.4	7200
512216	BT40-CBI5-BJ12-6PCS	0-3.5	75	5	90	75	50	8-27	BT40-LBK5-75	CBI5	BJ12-5PCS	2.8	5300
512218	BT50-CBI4-BJ10-6PCS	0-2.0	115	4	147	115	39	8-24	BT50-LBK4-115	CBI4	BJ10-5PCS	5.4	7500
512220	BT50-CBI5-BJ12-6PCS	0-3.5	90	5	130	90	50	8-27	BT50-LBK5-90	CBI5	BJ12-5PCS	6.0	5600



CBI4专用小径镗孔刀杆 BJ型(镗孔范围Ø8-Ø24mm)

CBI4 special small diameter boring bar BJ type (boring range Ø 8-Ø 24mm)

编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight(kg)	单价 RMB
		Ød	ØD	L	L2						
512230	BJ1006-24	6-9	10	64	24	WB..06..	M2.0x4	T6	1	0.020	200
512232	BJ1008-32	8-10	10	64	32	TB..06..				0.025	200
512234	BJ1010-40	10-12	10	72	40					0.035	200
512236	BJ1012-45	12-16	10	77	45	TP..09..	M2.5x6	T8	2	0.045	200
512238	BJ1016-45	16-20	10	77	22					0.045	200
512240	BJ1020-45	20-25	10	77	25					0.045	200

CBI5专用小径镗孔刀杆 BJ型(镗孔范围Ø8-Ø27mm)

CBI5 special small diameter boring bar BJ type (boring range Ø 8-Ø 27mm)

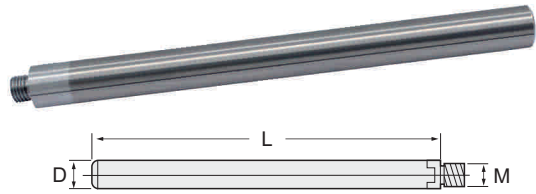
编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight(kg)	单价 RMB
		Ød	ØD	L	L2						
512250	BJ1206-24	6-9	12	64	24	WB..06..	M2.0x4	T6	1	0.020	200
512252	BJ1208-32	8-10	12	64	32	TB..06..				0.025	200
512254	BJ1210-40	10-12	12	72	40					0.035	200
512256	BJ1212-45	12-16	12	77	45	TP..09..	M2.5x6	T8	2	0.045	200
512258	BJ1216-45	16-20	12	77	22					0.045	200
512260	BJ1220-45	20-25	12	77	25					0.045	200

※ 切削加工时，小径搪刀杆以3倍直径伸出量为佳。

※ When machining path of boring bar with 3 times the diameter of stickout is preferred.

ST抗震钨钢刀杆

ST Shockproof tungsten steel pole



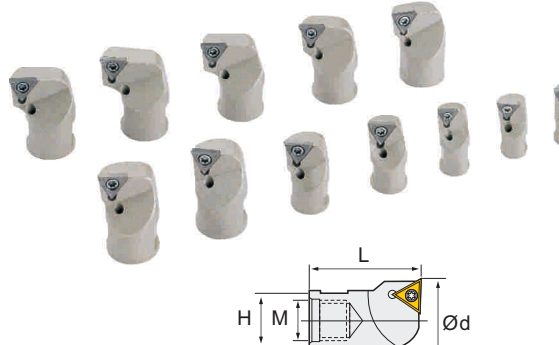
编码 Order	型号 Model	范围 Range	组合镗头 Modular Boring	尺寸 Size (mm)			单价 RMB
				M	ØD	L	
512270	ST 08-W5-100	9-13	BE09,BE10.5	M5	8	100	900
512272	08-W5-145	9-13	BE09,BE10.5	M5	8	145	1125
512274	10-W6-120	12-15	BE12	M6	10	120	900
512276	10-W6-160	12-15	BE12	M6	10	160	1040
512278	12-W6-120	14-17	BE14,BE16	M6	12	120	1040
512280	12-W6-160	14-17	BE14,BE16	M6	12	160	1300
512282	14-W6-160	16-20	BE16	M6	14	160	1625
512284	14-W6-200	16-20	BE16	M6	14	200	2250
512286	16-W10-160	18-42	BE18-BE40	M10	16	160	2000
512288	16-W10-200	18-42	BE18-BE40	M10	16	200	2375

镗孔深度不超过刀柄直径的六倍时抗震效果较好。

When the boring depth is less than six times of the shank diameter, the anti-seismic effect is better.

BE 组合式镗头

BE Combined boring head

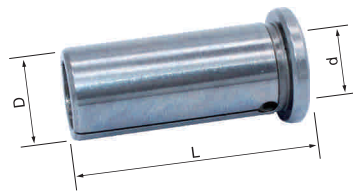


编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		Ød	H	L	M				
512700	BE09A	9	7	18	M5	TP..08..	M2.2x5	T7	250
512702	BE10.5A	10.5	7	18	M5				250
512704	BE12A	12	8	23	M6				250
512706	BE14A	14	10	23	M6				250
512708	BE16A	16	10	23	M6				250
512710	BE18A	18	14	27	M10				250
512712	BE20A	20	14	27	M10				250
512714	BE22A	22	14	27	M10				250
512716	BE24A	24	14	27	M10				250
512718	BE26A	26	14	27	M10				250
512720	BE28A	28	14	27	M10				250
512722	BE30A	30	14	27	M10				350
512724	BE32A	32	14	27	M10				350
512726	BE34A	34	14	27	M10				350
512728	BE36A	36	14	27	M10				500
512730	BE38A	38	14	27	M10				500
512732	BE40A	40	14	27	M10				500

注：以上三种配件可配镗头CBI4、CBI5、CBI6、NBJ16、NBH2084使用。

CBI/NBJ/NBH 专用变径套

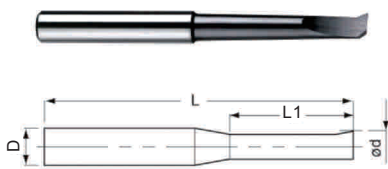
CBI / NBJ / NBH Special Conversion Collet



编码 Order	型号 Model	尺寸 Size (mm)			单价 RMB
		Ød	ØD	L	
512740	CBI 10-4	4	10	35	250
512742	10-6	6	10	35	250
512744	10-8	8	10	35	250
512746	CBI 12-4	4	12	35	250
512748	12-6	6	12	35	250
512750	12-8	8	12	35	250
512752	12-10	10	12	35	250
512754	NBJ 16-4	4	16	37	250
512756	16-6	6	16	37	250
512758	16-8	8	16	37	250
512760	16-10	10	16	37	250
512762	16-12	12	16	37	250
512764	16-14	14	16	37	250
512766	NBH 2084-8	8	20	37	250
512768	2084-10	10	20	37	250
512770	2084-12	12	20	37	250
512772	2084-16	16	20	37	250

CBI系列专用小径钨钢镗孔刀

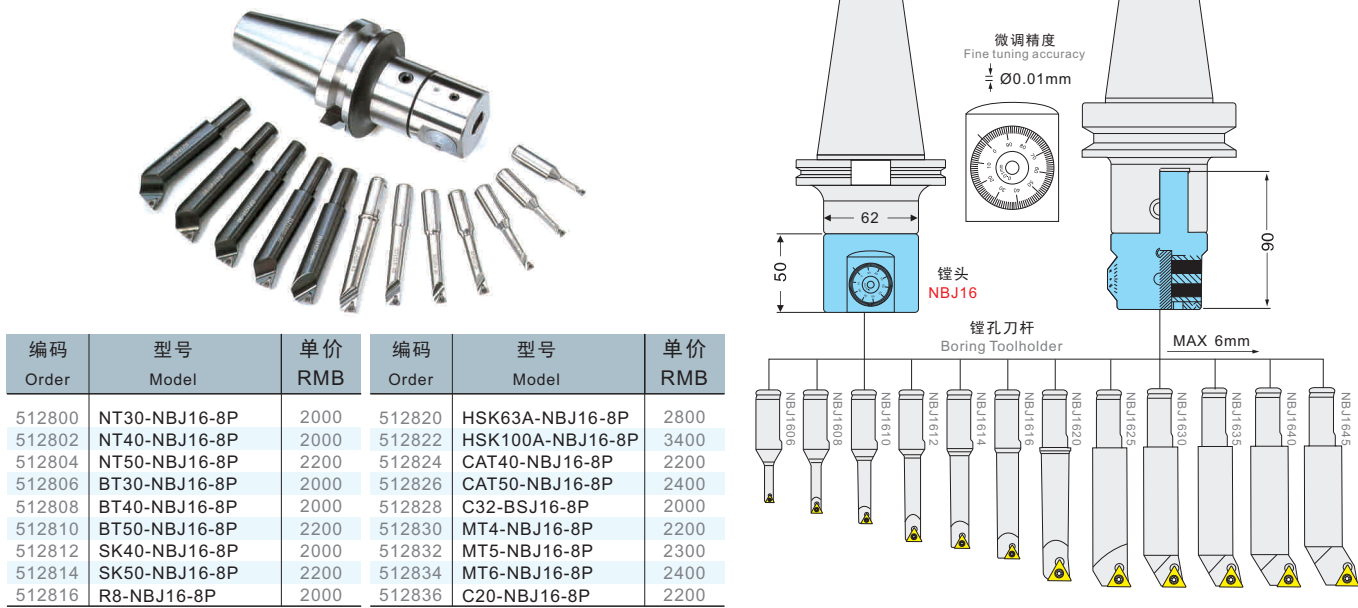
CBI Series special small diameter carbide boring cutter



编码 Order	型号 Model	尺寸 Size (mm)			镗孔范围 Boring Range				重量 Weight(kg)	单价 RMB
		ØD	L	L1	Ød min	CBI4 max	CBI5 max	CBI6 max		
512780	CBI 0403-15	4	50	15	3	7	10	13	0.015	510
512782	CBI 0404-20	4	50	20	4	8	11	14	0.015	540
512784	CBI 0605-25	6	60	25	5	9	12	15	0.020	600
512786	CBI 0606-30	6	60	30	6	10	13	16	0.020	600
512788	CBI 0808-35	8	75	35	8	12	15	18	0.055	750
512790	CBI 1010-40	10	75	40	10	14	17	20	0.060	900

NBJ-16微调精镗套装组合

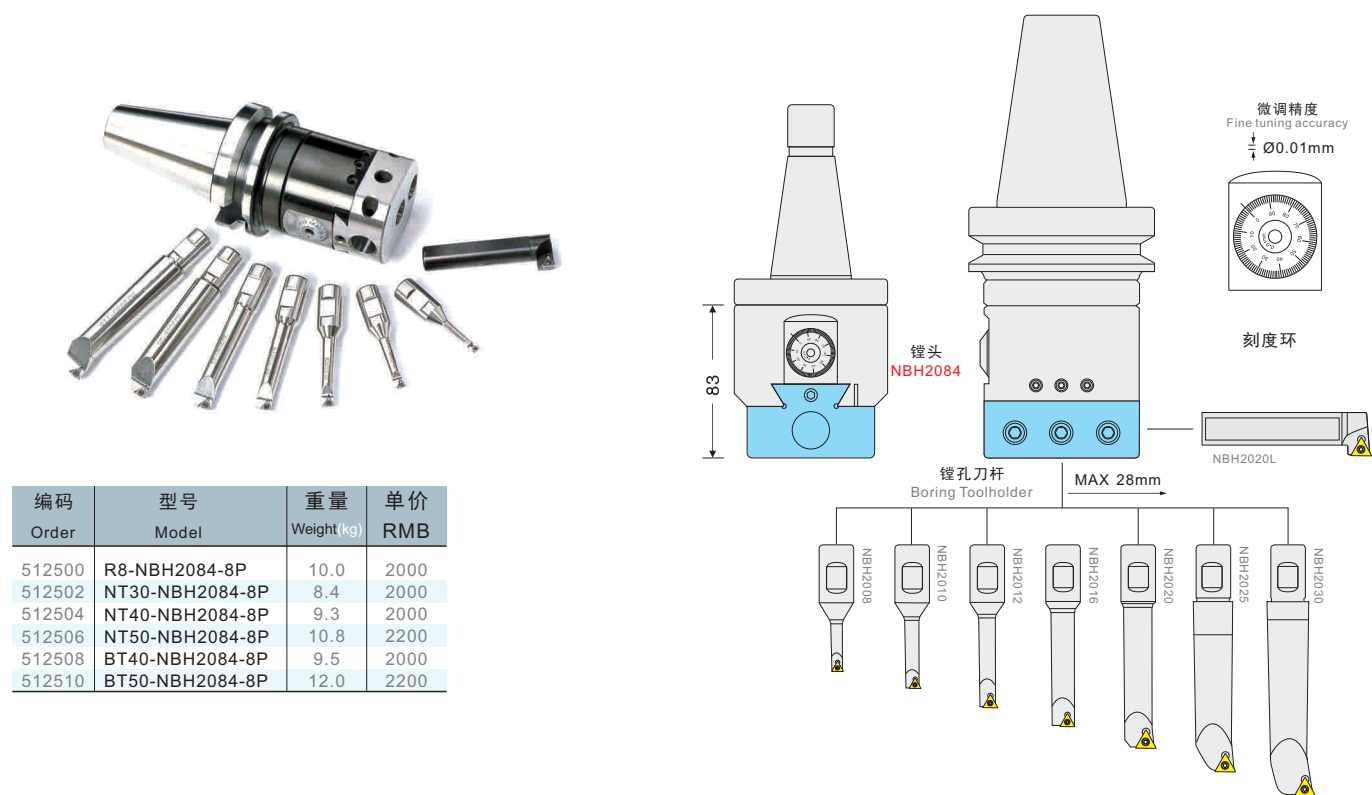
NBJ-16 Fine tuning fine boring set combination



编码 Order	型号 Model	单价 RMB	编码 Order	型号 Model	单价 RMB
512800	NT30-NBJ16-8P	2000	512820	HSK63A-NBJ16-8P	2800
512802	NT40-NBJ16-8P	2000	512822	HSK100A-NBJ16-8P	3400
512804	NT50-NBJ16-8P	2200	512824	CAT40-NBJ16-8P	2200
512806	BT30-NBJ16-8P	2000	512826	CAT50-NBJ16-8P	2400
512808	BT40-NBJ16-8P	2000	512828	C32-BSJ16-8P	2000
512810	BT50-NBJ16-8P	2200	512830	MT4-NBJ16-8P	2200
512812	SK40-NBJ16-8P	2000	512832	MT5-NBJ16-8P	2300
512814	SK50-NBJ16-8P	2200	512834	MT6-NBJ16-8P	2400
512816	R8-NBJ16-8P	2000	512836	C20-NBJ16-8P	2200

NBH2084 微调精镗套装组合

NBH2084 Fine tuning fine boring set combination



编码 Order	型号 Model	重量 Weight (kg)	单价 RMB
512500	R8-NBH2084-8P	10.0	2000
512502	NT30-NBH2084-8P	8.4	2000
512504	NT40-NBH2084-8P	9.3	2000
512506	NT50-NBH2084-8P	10.8	2200
512508	BT40-NBH2084-8P	9.5	2000
512510	BT50-NBH2084-8P	12.0	2200

NBJ16专用小径镗孔刀杆 NBJ型 (镗孔范围Ø8-Ø50mm)

NBJ16 special small diameter boring bar NBJ type (boring range Ø 8-Ø 50mm)

Fig.1

Fig.2

编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight(kg)	单价 RMB
		Ød	ØD	L	L2						
512840	NBJ1606-24	6-9	16	62	24	WB..06..	M2.0x4	T6	1	0.077	200
512842	NBJ1608-32	8-11	16	80	32	TB..06..				0.077	200
512844	NBJ1608-90	8-11	16	138	90					0.100	300
512846	NBJ1610-40	10-13	16	87	40					0.082	200
512848	NBJ1610-90	10-13	16	138	90	TP..09..	M2.5x6	T8	1	0.110	300
512850	NBJ1612-53	12-15	16	98	53					0.095	200
512852	NBJ1612-90	12-15	16	138	90					0.130	300
512854	NBJ1614-60	14-17	16	108	60					0.110	200
512856	NBJ1614-100	14-17	16	148	100	TP..09..	M2.5x6	T8	1	0.155	300
512858	NBJ1616-68	16-21	16	110	68					0.143	200
512860	NBJ1616-100	16-21	16	148	100					0.210	300
512862	NBJ1616-120	16-21	16	168	120					0.260	400
512864	NBJ1616-150	16-21	16	198	150	TP..09..	M2.5x6	T8	1	0.290	500
512866	NBJ1620-83	20-26	16	125	83					0.203	200
512868	NBJ1620-150	20-26	16	198	150					0.300	400
512870	NBJ1620-200	20-26	16	248	200					0.390	500
512872	NBJ1625-90	25-31	16	128	90	TP..11..	M3.0x8	T8	2	0.275	200
512874	NBJ1625-150	25-31	16	198	150					0.390	400
512876	NBJ1625-200	25-31	16	248	200					0.510	500
512878	NBJ1630-90	30-36	16	128	90					0.275	200
512880	NBJ1630-150	30-36	16	198	150	TP..11..	M3.0x8	T8	2	0.415	400
512882	NBJ1630-200	30-36	16	248	200					0.520	500
512884	NBJ1635-90	35-41	16	128	90					0.283	300
512886	NBJ1640-90	40-46	16	128	90					0.286	300
512888	NBJ1645-90	45-51	16	128	90					0.310	300

※ 1.黑色标示规格为套装常用规格 2.切削加工时, 小径镗刀杆以3倍直径伸出量为佳。 ※ 1.The black mark specification is the common specification of the set, 2.When machining path of boring bar with 3 times the diameter of stickout is preferred.

NBH20专用小径镗孔刀杆 NBH型 (镗孔范围Ø8-Ø280mm)

NBH20 special small diameter boring bar NBH type (boring range Ø 8-Ø 280mm)

编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	螺丝 Screw	扳手 Wrench	图示 Fig	重量 Weight (kg)	单价 RMB
		Ød	ØD	L	L2						
512520	NBH2008-32	8-11	20	80	32	TB..06..	M2.0x4	T6	1	0.095	200
512522	NBH2008-90	8-11	20	140	90					0.135	300
512524	NBH2010-40	10-13	20	87	40					0.095	200
512526	NBH2010-90	10-13	20	140	90					0.139	300
512528	NBH2012-53	12-17	20	98	53	TP..09..	M2.5x6	T8	1	0.12	200
512530	NBH2012-90	12-17	20	140	90					0.175	300
512532	NBH2016-68	16-21	20	110	68					0.16	200
512534	NBH2016-100	16-21	20	150	100					0.24	300
512536	NBH2016-150	16-21	20	200	150	TP..11..	M3.0x8	T8	2	0.31	400
512538	NBH2020-83	20-25	20	123	83					0.22	200
512540	NBH2020-125	20-25	20	175	125					0.31	300
512542	NBH2020-150	20-25	20	200	150					0.40	400
512544	NBH2020-200	20-25	20	250	200	TP..11..	M3.0x8	T8	2	0.50	500
512546	NBH2020-250	20-25	20	300	250					0.60	600
512548	NBH2025-96	25-30	20	137	96					0.34	200
512550	NBH2025-150	25-30	20	200	150					0.55	400
512552	NBH2025-200	25-30	20	250	200	TP..11..	M3.0x8	T8	2	0.65	500
512554	NBH2025-250	25-30	20	300	250					0.77	600
512556	NBH2030-115	30-35	20	152	115					0.54	200
512558	NBH2030-150	30-35	20	200	150					0.72	400
512560	NBH2030-200	30-35	20	250	200	TP..11..	M3.0x8	T8	2	0.91	500
512562	NBH2030-250	30-35	20	300	250					1.09	600
512564	NBH2020-L	120-200	20	100	16					0.23	200
512566	NBH2020L20-150	160-280	20	150	20					0.34	400
512568	NBH2020L20-200	280-330	20	200	20					0.41	500

※ 1.黑色标示规格为套装常用规格 2.切削加工时, 小径镗刀杆以3倍直径伸出量为佳。 ※ 1.The black mark specification is the common specification of the set, 2.When machining path of boring bar with 3 times the diameter of stickout is preferred.

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

TWE
RBH
粗镗
系统

钻头

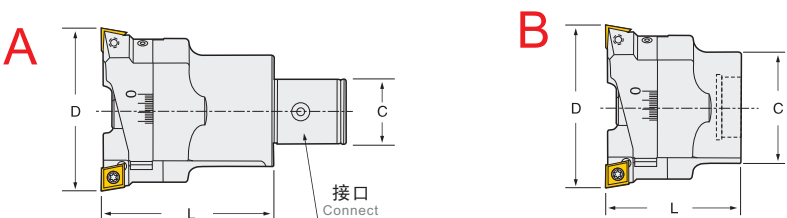
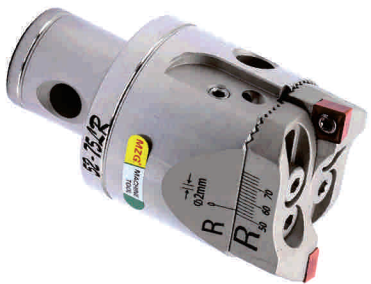
铰刀

MZG®

高效率镗孔加工
High Efficiency Boring

TWE锯齿式双刃粗镗头 (加工范围20-204mm)

TWE Saw tooth type double edge rough boring head
Boring Range 20-204mm



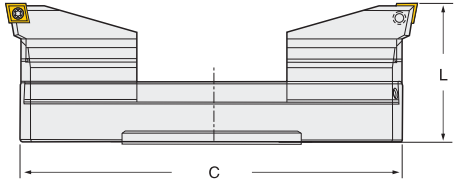
编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)				镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	刀片 Wrench	重量 Weight(kg)	单价 RMB
			Fig	C	L							
512600	TWE2026-C	LBK1	A	19	30		20-26	CC..0602..	M2.5x6	T8	0.1	857
512602	TWE2533-C	LBK2	A	24	40		25-33				0.2	914
512604	TWE3242-C	LBK3	A	31	50		32-42				0.3	980
512606	TWE4054-C	LBK4	A	39	60		40-54	CC..09T3..	M4.0x8	T15	0.5	1029
512608	TWE5270-C	LBK5	A	50	70		52-70				0.8	1429
512610	TWE6895-C	LBK6	A	64	90		68-95				1.6	1571
512612	TWE90122-C	LBK6	A	95	100		90-122	CC..1204..	M5.0x12	T20	2.8	1556
512614	TWE120164-C	BST	B	95	120		120-164				3.0	2667
512616	TWE160204-C	BST	B	95	150		160-204				3.8	3556

特点/Feature

- 1.适用单刃镗孔，双刃镗孔及高低階镗孔。镗孔范围：LBK分体式20-122，BST分体式120-910。
 - 2.新型锯齿滑座设计，加工时滑座承受的二个作用力相互抵消，具备良好的刚性和切削力，适用各形态的镗孔作业。
 - 3.可依照不同加工需求，轻易调整镗刀，快速完成少量多样的加工。加工深度可配合延长杆至所需长度。
 - 4.精密的侧边刻度，协助使用者轻易调整到所需的孔径范围。
 - 5.适用在各型切削中心机或镗床配合使用，并可通装各厂商规格相同的刀片。节省刀具加工时间并大幅度提高镗孔效率。
 - 6.高低断差设计，平刃或高低刃均可采用。
 - 7.直径120以上大孔径镗刀，使用直接组件，结构简单刚性强。
1. It is suitable for single edge boring, double edge boring and high and low-level boring. Boring range: LBK split type 20-122, BST split type 120-910.
 2. The new serrated sliding seat design, when machining, the two forces on the sliding seat offset each other, has good rigidity and cutting force, and is suitable for all kinds of boring operations.
 3. The boring cutter can be adjusted easily according to different processing requirements to complete a small number of diverse processing quickly. The machining depth can be matched with the extension rod to the required length.
 4. Precise side scale helps users easily adjust to the required aperture range.
 5. It is suitable for use with all kinds of cutting center machines or boring machines, and can be installed with blades of the same specification from all manufacturers. It can save machining time and improve boring efficiency.
 6. High and low break difference design, both flat blade and high and low blade can be used.
 7. Large bore boring cutter with diameter more than 120, using direct components, simple structure and strong rigidity.

TWE大径太空铝双刃粗镗头(减重型) 加工范围200-800mm

TWE Large diameter space aluminum double edge rough boring head (reduced heavy) Boring Range 200-800mm



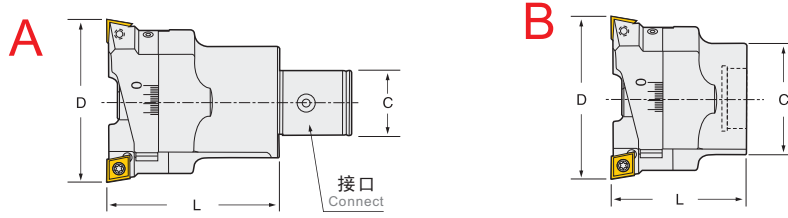
编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)		镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight (kg)	单价 RMB
			C	L						
512620	TWE200-310	BST	190	80	200-310	CC..1204..	M5.0x12	T20	3.7	3429
512622	TWE300-410	BST	290	80	300-410				4.7	6786
512624	TWE400-510	BST	390	80	400-510				5.7	8214
512626	TWE500-610	BST	490	80	500-610				7.0	8571
512628	TWE600-710	BST	590	80	600-710				8.0	16071
512630	TWE700-810	BST	690	80	700-810				9.5	19643

TWE/RBH 双刃粗镗孔

TWE / RBH Double Edge
Rough Boring

RBH 双刃粗镗头 (加工范围20-204mm)

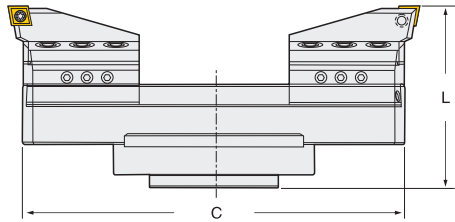
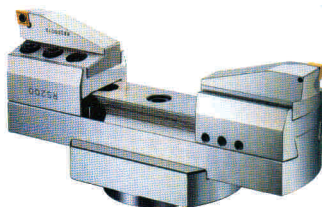
RBH double edge rough boring head (Boring Range 20-204mm)



编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)				镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	刀片 Wrench	重量 Weight(kg)	单价 RMB
			Fig	C	L							
512640	RBH1926-C	LBK1	A	19	50		19-26	CC..0602..	M2.5x6	T8	0.1	325
512642	RBH2533-C	LBK2	A	24	50		25-33				0.2	325
512644	RBH3242-C	LBK3	A	31	55		32-42				0.3	375
512646	RBH4055-C	LBK4	A	39	75		40-55	CC..09T3..	M4.0x8	T15	0.5	500
512648	RBH5270-C	LBK5	A	50	75		52-70				0.8	800
512650	RBH6892-C	LBK6	A	64	85		68-92				1.6	1000
512652	RBH90122-C	LBK6	A	95	100		90-122	CC..1204..	M5.0x12	T20	2.8	1438
512654	RBH120164-C	BST	B	95	95		120-164				3.0	1785
512656	RBH160204-C	BST	B	95	95		160-204				3.8	2125

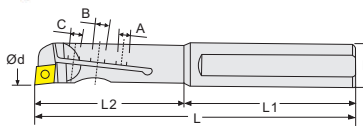
RBH 大径双刃粗镗头 (加工范围200-1200mm)

RBH Large diameter double edge rough boring head (Boring Range 200-800mm)



编码 Order	型号 Model	接口 Connect	尺寸 Size (mm)		镗孔范围 Boring Range	刀片 Insert	螺丝 Screw	扳手 Wrench	重量 Weight(kg)	单价 RMB
			C	L						
512660	RBH200-310	BST	180	130	200-310	CC..1204..	M5.0x12	T20	9.7	3000
512662	RBH300-410	BST	280	130	300-410				11.7	5938
512664	RBH400-510	BST	380	130	400-510				13.7	7188
512666	RBH500-610	BST	480	130	500-610				15.7	7500
512668	RBH600-950	BST	580	130	600-950				17.7	14063
512670	RBH900-1200	BST	680	130	900-1200				19.7	17188

SCT 可调节镗刀杆



SCT adjustable boring bar

编码 Order	型号 Model	尺寸 Size (mm)				镗孔范围		螺丝 Screw			配件 Parts	单价 RMB
		L	L1	L2	ØD	d _(min)	d _(max)	A	B	C		
512680	SCT-10	100	70	30	10	10	12	M3x5	M4x8	M3x4	CC..06.. M2.5x6 T8	1100
512682	SCT-12	105	65	40	12	12	15	M3x6.5	M4x10	M3x5.5		1100
512684	SCT-15	110	60	50	16	15	20	M4x8	M5x12	M4x6		1100
512686	SCT-20	120	60	60	20	20	25	M4x10	M5x16.5	M4x8		1100
512688	SCT-25	140	70	70	25	25	30	M5x14	M6x20	M5x11	CC..09.. M4.0x8 T15	1300
512690	SCT-30	160	70	90	25	30	35	M5x16	M6x25	M5x13.5		1300
512692	SCT-35	170	70	100	32	35	40	M6x18.5	M8x30	M6x16		1300
512694	SCT-40	190	70	120	32	40	45	M6x21	M8x35	M6x18		1300
512696	SCT-45	220	70	150	40	45	50	M6x24	M8x40	M6x21		1300

快速
钻孔

镗孔
加工
系统

钻头

铰刀

快速
钻头

铲钻

定心
钻头

VMD
大钻头

钻尖

空心
钻头

油路
配件

LBK
BST
镗孔
刀柄

HBOR
CBI
CBH
精镗
系统

NBJ
NBH
镗孔
套装

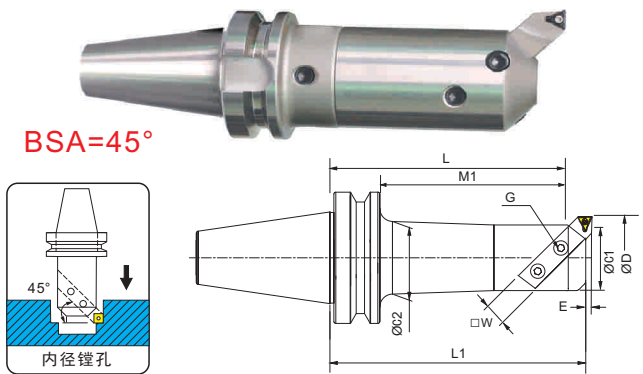
TWE
RBH
粗镗
系统

钻头

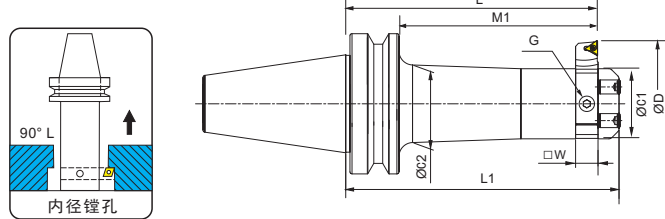
铰刀

BS 可调式粗镗孔刀柄

BS Adjustable rough boring toolholder



BSB=90°



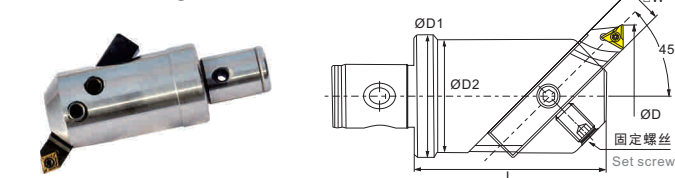
粗镗刀适用于通孔及盲孔加工
1. 清槽与刀刃平行
2. 镗刀头单独订购
3. 注意D的最小尺寸与L, L1, L2

Boring Rough boring cutter, suitable for through hole and blind hole machining
1. The chute is parallel to the blade
2. Boring head ordered separately
3. Pay attention to the minimum dimension of D and L1, L2

粗镗刀，适于通孔，也可用来反镗。
Coarse boring cutter is suitable for through hole and reverse boring.

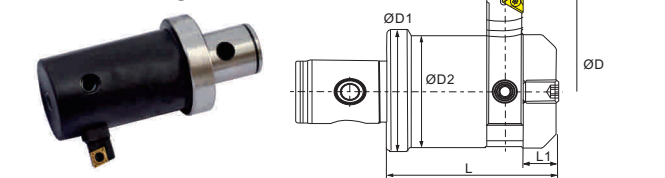
编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)						单价 RMB
		D _(min)	D _(max)	L	M1	C1	C2	E	□W	
512300	BT30-BSA 20-105	20	30	105	85	17	19	-	6	
512302	25-120	25	38	120	100	20	24	1	8	
512304	25-160	25	38	160	140	20	24	1	8	
512306	30-150	30	42	150	130	24	28	1.6	8	
512308	30-180	30	42	180	160	24	28	1.6	8	
512310	30-210	30	42	210	190	24	28	1.6	8	
512312	38-165	38	52	165	145	30	36	2.6	10	
512314	50-165	50	65	165	145	40	48	3	13	
512316	50-210	50	65	210	190	40	48	3	13	
512318	BT40-BSA 25-135	25	38	135	110	20	24	1	8	
512320	30-150	30	42	150	125	24	28	1.6	8	
512322	38-165	38	52	165	140	30	36	2.6	10	
512324	50-165	50	65	165	140	40	48	3	13	
512326	50-210	50	65	210	185	40	48	3	13	
512328	62-165	62	90	165	140	50	58	2	16	
512330	62-225	62	90	225	200	50	58	2	16	
512332	72-165	72	110	165	140	60	60	2.4	19	
512334	72-225	72	110	225	200	60	60	2.4	19	
512336	90-165	90	125	165	140	75	62	4	19	
512338	90-210	90	125	210	185	75	62	4	19	
512340	BT50-BSA 25-135	25	38	135	100	20	24	1	8	
512342	30-165	30	42	165	130	24	28	1.6	8	
512344	38-180	38	52	180	145	30	36	2.6	10	
512346	38-230	38	52	230	195	30	36	2.6	10	
512348	42-210	42	56	210	175	34	38	2	10	
512350	42-240	42	56	240	205	34	38	2	10	
512352	50-180	50	65	180	145	40	48	3	13	
512354	50-240	50	65	240	205	40	48	3	13	
512356	50-270	50	65	270	235	40	48	3	13	
512358	50-300	50	65	300	265	40	48	3	13	
512360	62-195	62	90	195	160	50	58	2	16	
512362	62-240	62	90	240	205	50	58	2	16	
512364	62-270	62	90	270	235	50	58	2	16	
512366	62-300	62	90	300	265	50	58	2	16	
512368	72-195	72	110	195	160	60	68	2.4	19	
512370	72-240	72	110	240	205	60	68	2.4	19	
512372	72-285	72	110	285	250	60	68	2.4	19	
512374	72-320	72	110	320	285	60	68	2.4	19	
512376	90-210	90	125	210	175	75	74	4	19	
512378	90-250	90	125	250	215	75	76	4	19	
512380	90-300	90	125	300	265	75	76	4	19	
512382	105-195	105	160	195	160	90	76	3	25	
512384	105-285	105	160	285	250	90	76	3	25	

BSA 45° 斜角型
BSA 45° Bevel Angle



编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)					固定螺丝 Set screw	单价 RMB
		D _(min)	D _(max)	L	D1	D2		□W		
513300	BSA 25-LBK2	25	38	35	24	24		8	M6x1	400
513302	30-LBK2	30	42	40	24	24		8	M6x1	400
513304	38-LBK3	38	52	60	31	60		10	M8x1.25	425
513306	50-LBK4	50	65	70	42	40		13	M10x1.5	500
513308	62-LBK5	62	90	85	55	50		16	M12x1.75	630
513310	72-LBK6	72	110	98	63	60		19	M12x1.75	765
513312	90-LBK6	90	125	100	80	75		19	M12x1.75	1450
513314	105-LBK6	105	160	100	91	90		25	M12x1.75	2000

BSB 90°斜角型
BSB 90° Bevel Angle



编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)					固定螺丝 Set screw	单价 RMB
		D _(min)	D _(max)	L	D1	D2		□W		
513320	BSB 25-LBK2	26	52	45	24	20		8	M6x1	400
513322	38-LBK3	38	70	55	31	30		10	M8x1.25	425
513324	50-LBK4	50	90	60	42	40		13	M10x1.5	500
513326	62-LBK5	62	115	70	55	50		15	M12x1.75	630
513328	72-LBK6	72	135	85	63	60		19	M12x1.75	765
513330	90-LBK6	90	150	100	80	75		19	M12x1.75	1450
513332	105-LBK6	105	190	100	90	90		25	M12x1.75	2000
513334										

TBS-30° 舍弃式镗孔刀杆

TBS-30° Machine clamp boring tool bar

编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513340	TBS 306-20L	20	30	20	6				300
513342	308-25L	25	42	25	8	TC..0902..	M2.2x6	T6	300
513344	310-36L	38	50	36	10				300
513346	313-48L	50	70	48	13	TC..1102..	M2.5x6	T8	300
513348	316-60L	70	90	60	16				400
513350	319-90L	90	135	90	19	TC..16T3..	M4.0x9	T15	500
513352	325-135L	140	190	135	25				600

TBS-45° 舍弃式镗孔刀杆

TBS-45° Machine clamp boring tool bar

编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513360	TBS 406-20L	20	30	20	6				300
513362	408-25L	25	42	25	8	TC..0902..	M2.2x6	T6	300
513364	410-45L	38	52	45	10				200
513366	410-50L	42	56	50	10				200
513368	413-60L	50	65	60	13	TC..1102..	M2.5x6	T8	300
513370	416-75L	62	90	75	16				300
513372	419-90L	72	110	90	19				400
513374	419-115L	90	125	115	19	TC..16T3..	M4.0x9	T15	500
513376	425-130L	105	160	130	25				600

CBS-30° 舍弃式镗孔刀杆

CBS-30° Machine clamp boring tool bar

编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513410	CBS 306-20L	20	30	20	6				300
513412	308-25L	25	42	25	8	CC..0602..	M2.5x6	T8	300
513414	310-36L	38	50	36	10				300
513416	313-48L	50	70	48	13	CC..09T3..	M4.0x9	T15	300
513418	316-60L	70	90	60	16				400
513420	319-90L	90	135	90	19	CC..1204..	M5.0x12	T20	500
513422	325-135L	140	190	135	25				600

CBS-45° 舍弃式镗孔刀杆

CBS-45° Machine clamp boring tool bar

编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513430	CBS 406-20L	20	30	20	6				300
513432	408-30L	25	38	30	8	CC..0602..	M2.5x6	T8	300
513434	408-35L	30	42	35	8				200
513436	410-45L	38	52	45	10				200
513438	410-50L	42	56	50	10				300
513440	413-60L	50	65	60	13	CC..09T3..	M4.0x9	T15	300
513442	413-75L	62	90	75	13				400
513444	419-115L	90	125	115	19	CC..1204..	M5.0x12	T20	500
513446	425-130L	105	160	130	25				600

SBS-30° 舍弃式镗孔刀杆

SBS-30° Machine clamp boring tool bar

编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
		D _(min)	D _(max)	L	D				
513480	SBS 306-20L	20	30	20	6				300
513482	308-25L	25	42	25	8	TP..0902..	M2.5x6	T8	300
513484	310-36L	38	50	36	10				300
513486	313-48L	50	70	48	13	TP..1103..	M3.0x8	T10	300
513488	316-60L	70	90	60	16				400
513490	319-90L	90	135	90	19	TP..1603..	M4.0x9	T15	500
513492	325-135L	140	190	135	25				600

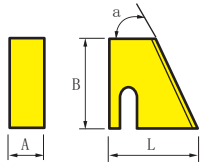
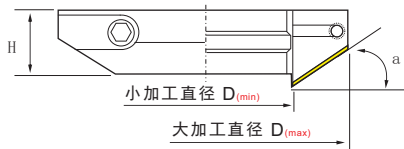
SBS-45° 舍弃式镗孔刀杆

SBS-45° Machine clamp boring tool bar

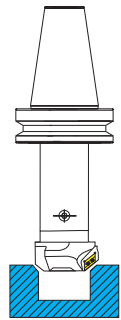
									
编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		尺寸 Size (mm)		刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513500	SBS 406-20L	20	30	20	6	TP..0902..	M2.5x6	T8	300
513502	408-25L	25	42	25	8				300
513504	410-45L	38	52	45	10				200
513506	410-50L	42	56	50	10				200
513508	413-60L	50	65	60	13	TP..1103..	M3.0x8	T10	300
513510	416-75L	62	90	75	16				300
513512	419-90L	72	110	90	19	TP..1603..	M4.0x9	T15	400
513514	419-115L	90	125	115	19				500
513516	425-130L	105	160	130	25				600

LBK 倒角刀

LBK Chamfering cutter



编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		高度 H	接口 LBK	刀片 Insert	单价 RMB	编码 Order	型号 Model	尺寸 Size (mm)				刀片 Insert	单价 RMB
513121	ZC1-35	20	35	13	LBK1	ZM1-45		513130	ZM1-45	23.5	4	9	45°	CK1-CK4	
513122	ZC2-42	25	42	15	LBK2	ZM1-30		513131	ZM2-45	43	8	20	45°	CK5-CK6	
513123	ZC3-49	32	49	15	LBK3			513132	ZM1-30	27.5	4	9	30°	CK1-CK4	
513124	ZC4-57	41	57	15	LBK4			513133	ZM2-30	52	8	20	30°	CK5-CK6	
513125	ZC5-90	53	90	25	LBK5										
513126	ZC6-104	68	104	25	LBK6	ZM2-45									
513127	ZC7-138	98	138	25	LBK6	ZM2-30									
513128	ZC8-160	120	160	25	LBK6										



编码 Order	型号 Model	镗孔范围 D _(min) D _(max)		高度 H	接口 LBK	刀片 Insert	配件 Parts	编码 Order	型号 Model	尺寸 Size (mm)			单价 RMB
513140	LBK2-C0525	5	25	25	LBK2	CW1206A	M2/T6	513150	CW1206A	6.35	12.7	2.7	
513141	LBK4-C1040	10	40	35	LBK4	CW1909A	M3/T8	513151	CW1909A	9.525	4.5	4.5	
513142	LBK5-C3060	30	60	40	LBK5	CW1909A	M3/T8	513152	CW3115A	15.875	7.0	7.0	
513143	LBK5-C50100	50	100	65	LBK6	CW3115A	M5/T20						

卡式刀座 Cutter Toolholder

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513200	STFCR- 08CA-06	32	15	10	8	25	CC..0602..	M2.5x6	T8	500
513202	10CA-09	50	30	14	10	40	CC..09T3..	M4.0x8	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513208	SRSCR- 10CA-10	50	30	14	10	40	RC..10T3..	M3.5x8	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513210	SSSPR- 10CA-09	50	30	14	10	40	SP..0903..	M3.5x8	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513212	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513214	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513216	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513230	STSPR- 08CA-09	28	11	10	8	25	TP..0902..	M2.5x6	T8	500
513232	10CA-11	44	24	14	10	40	TP..1103..	M3.0x8	T10	500
513234	12CA-16	47	27	20	12	50	TP..1603..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513236	STSCR- 08CA-09	28	11	10	8	25	TC..0902..	M2.2x5	T6	500
513238	10CA-11	44	24	14	10	40	TC..1102..	M2.5x6	T8	500
513240	12CA-16	47	27	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513242	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513244	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513246	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513248	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513250	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513252	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513254	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513256	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513258	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

STFCR

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513218	STFCR- 08CA-09	32	15	10	8	25	TP..0902..	M2.5x6	T8	500
513220	10CA-11	50	30	14	10	40	TP..1103..	M3.0x8	T10	500
513222	12CA-16	55	35	20	12	50	TP..1603..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513224	STGCL- 12CA-16	32	35	20	12	75	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513226	STGCL- 12CA-16	32	35	20	12	75	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513228	STSPR- 08CA-09	28	11	10	8	25	TP..0902..	M2.5x6	T8	500
513230	10CA-11	44	24	14	10	40	TP..1103..	M3.0x8	T10	500
513232	12CA-16	47	27	20	12	50	TP..1603..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513234	STSPR- 08CA-09	28	11	10	8	25	TP..0902..	M2.5x6	T8	500
513236	10CA-11	44	24	14	10	40	TP..1103..	M3.0x8	T10	500
513238	12CA-16	47	27	20	12	50	TP..1603..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513240	STSCR- 08CA-09	28	11	10	8	25	TC..0902..	M2.2x5	T6	500
513242	10CA-11	44	24	14	10	40	TC..1102..	M2.5x6	T8	500
513244	12CA-16	47	27	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513246	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513248	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513250	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513252	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513254	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513256	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

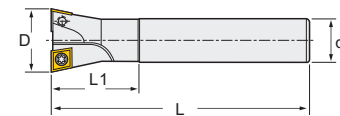
编码 Order	型号 Model	尺寸 Size (mm)					刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513258	SSSPR- 08CA-09	32	15	10	8	25	TC..0902..	M2.2x5	T6	500
513260	10CA-11	50	30	14	10	40	TC..1102..	M2.5x6	T8	500
513262	12CA-16	55	35	20	12	50	TC..16T3..	M4.0x9	T15	500

固定式粗镗/倒角刀

Fixed rough boring / Chamfering cutter

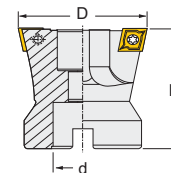
TBL 固定式双刃粗镗刀杆

TBL Fixed double edge rough boring bar



TBC 固定式双刃粗镗头

TBC Fixed double edge rough boring head



编码 Order	型号 Model	尺寸 Size (mm)				刃数 Edge	刀片 Insert	螺丝 Screw	扳手 Wrench	单价 RMB
513600	TBL 8-130-C16	7.7	16	35	130	1				400
513602	9-130-C16	8.7	16	40	130	1				400
513604	10-130-C16	9.7	16	45	130	1				400
513606	11-130-C16	10.7	16	55	130	1				400
513608	12-130-C16	11.7	16	60	130	1				400
513610	13-130-C16	12.7	16	65	130	1				250
513612	14-130-C16	13.7	16	70	130	1				250
513614	15-110-C16	14.7	16	60	110	2				250
513616	15-150-C16	14.7	16	80	150	2				250
513618	16-110-C16	15.7	16	60	110	2				250
513620	16-160-C16	15.7	16	80	160	2				250
513622	16-240-C16	15.7	16	160	240	2				750
513624	17-110-C16	16.7	16	40	110	2				250
513626	17-160-C16	16.7	16	40	160	2				250
513628	17-240-C16	16.7	16	40	240	2				750
513630	18-110-C16	17.7	16	40	110	2				250
513632	18-160-C16	17.7	16	40	160	2				250
513634	18-240-C16	17.7	16	40	240	2				750
513636	19-110-C16	18.7	16	40	110	2				250
513638	19-160-C16	18.7	16	40	160	2				250
513640	19-240-C16	18.7	16	40	240	2				750
513642	20-110-C16	19.7	16	40	110	2				250
513644	20-160-C16	19.7	16	40	160	2				250
513646	20-240-C16	19.7	16	40	240	2				750

直柄标准麻花钻头Straight Shank Drill

产品编码：525...

尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
0.2	3	19	72	
0.3	3.5	20	59	
0.4	5.5	24	547	
0.5	7.5	27	7	9
0.6	8.5	30	7	9
0.7	10	32	7	9
0.8	11	34	7	9
0.9	13	36	7	9
1.0	18	40	7	9
1.1	20	42	7	9
1.2	20	42	7	9
1.3	22	45	7	9
1.4	23	48	7	9
1.5	23	48	7	9
1.6	25	50	8	10
1.7	25	50	8	10
1.8	28	52	8	10
1.9	28	52	8	10
2.0	29	55	8	10
2.1	29	55	8.5	11
2.2	33	58	8.5	11
2.3	33	58	8.5	11
2.4	35	61	8.5	11
2.5	35	61	8.5	11
2.6	37	64	10	13
2.7	37	64	10	13
2.8	39	67	10	13
2.9	42	71	10	13
3.0	42	71	10	13
3.1	42	71	11	14
3.2	42	71	11	14
3.3	45	73	11	14
3.4	45	73	11	14
3.5	45	73	11	14
3.6	48	76	13	16
3.7	48	76	13	16
3.8	48	76	13	16
3.9	51	79	13	16
4.0	54	83	13	16
4.1	54	83	17	21
4.2	54	83	17	21
4.3	54	83	18	23
4.4	56	86	18	23
4.5	56	86	18	23
4.6	56	86	20	25
4.7	59	89	20	25
4.8	59	89	20	25
4.9	62	92	20	25
5.0	62	92	20	25
5.1	62	92	24	30
5.2	64	95	24	30
5.3	64	95	26	33
5.4	64	95	26	33
5.5	64	95	26	33
5.6	67	98	29	36
5.7	67	98	29	36
5.8	67	98	29	36
5.9	67	98	29	36
6.0	70	102	29	36
6.1	70	102	33	41
6.2	70	102	33	41
6.3	70	102	33	41
6.4	73	105	33	41
6.5	73	105	33	41
6.6	73	105	39	49
6.7	73	105	39	49
6.8	73	105	39	49
6.9	73	105	39	49
7.0	73	105	39	49
7.1	75	108	47	59
7.2	75	108	47	59
7.3	75	108	47	59
7.4	78	111	47	59



尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
7.5	78	111	47	59
7.6	78	111	55	69
7.7	81	114	55	69
7.8	81	114	55	69
7.9	81	114	55	69
8.0	81	114	55	69
8.1	84	117	69	86
8.2	84	117	69	86
8.3	84	117	69	86
8.4	87	121	69	86
8.5	87	121	69	86
8.6	87	121	76	95
8.7	87	121	76	95
8.8	89	124	76	95
8.9	89	124	76	95
9.0	89	124	76	95
9.1	89	124	83	104
9.2	92	127	83	104
9.3	92	127	83	104
9.4	92	127	83	104
9.5	92	127	83	104
9.6	95	130	93	116
9.7	95	130	93	116
9.8	95	130	93	116
9.9	95	130	93	116
10.0	95	130	93	116
10.1	98	133	105	131
10.2	98	133	105	131
10.3	98	133	105	131
10.4	98	133	105	131
10.5	100	137	105	131
10.6	100	137	113	141
10.7	100	137	113	141
10.8	103	140	113	141
10.9	103	140	113	141
11.0	103	140	113	141
11.1	103	140	125	156
11.2	106	143	125	156
11.3	106	143	125	156
11.4	106	143	125	156
11.5	106	143	125	156
11.6	109	146	136	170
11.7	109	146	136	170
11.8	109	146	136	170
11.9	109	146	136	170
12.0	111	149	136	170
12.1	111	149	150	188
12.2	111	149	150	188
12.3	111	149	150	188
12.4	114	152	150	188
12.5	114	152	150	188
12.6	114	152	160	200
12.7	114	152	160	200
12.8	114	152	160	200
12.9	114	152	160	200
13.0	114	152	160	200
13.5	122	168	195	244
14.0	122	168	245	306
14.5	122	168	308	385
15.0	132	181	370	463
15.5	132	181	423	529
16.0	132	181	440	550
16.5	132	181	485	606
17.0	143	194	530	663
17.5	143	194	550	688

直柄加长钻头Straight shank lengthening drill bit



尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
1.0	35	75	10	13
	40	100	15	19
1.1	35	75	10	13
	40	100	15	19
1.2	35	75	10	13
	40	100	15	19
1.3	35	75	10	13
	40	100	15	19
1.4	35	75	10	13
	40	100	15	19
1.5	35	75	10	13
	40	100	15	19
1.6	35	75	10	13
	40	100	15	19
1.7	35	75	10	13
	40	100	15	19
1.8	35	75	10	13
	40	100	15	19
1.9	35	75	10	13
	40	100	15	19
2.0	40	100	10	13
	60	150	15	19
2.1	40	100	10	13
	60	150	15	19
2.2	40	100	10	13
	60	150	15	19
2.3	40	100	10	13
	60	150	15	19
2.4	40	100	10	13
	60	150	15	19
2.5	50	100	10	13
	60	150	33	41
	100	200	48	60
2.6	50	100	10	13
	75	150	33	41
	100	200	48	60
2.7	50	100	10	13
	75	150	33	41
	100	200	48	60
2.8	50	100	10	13
	75	150	33	41
	100	200	48	60
2.9	50	100	10	13
	75	150	33	41
	100	200	48	60
3.0	50	100	10	13
	75	150	33	41
	100	200	48	60
3.1	75	150	36	45
	100	200	48	60
3.2	75	150	36	45
	100	200	48	60
3.3	75	150	36	45
	100	200	48	60
3.4	75	150	36	45
	100	200	48	60
3.5	75	150	36	45
	100	200	48	60
3.6	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
3.7	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
3.8	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
3.9	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125

尺寸			单价(人民币)	
刃径	刃长	全长	L6542	M35
4.0	75	150	46	58
	100	200	57	71
	120	250	76	95
	120	300	100	125
4.1	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.2	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.3	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.4	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.5	75	150	49	61
	100	200	67	84
	120	250	86	108
	120	300	109	136
4.6	75	150	57	71
	100	200	76	95
	120	250	100	125
	130	300	119	149
4.7	150	400	150	188
	75	150	57	71
	100	200	76	95
	120	250	100	125
4.8	130	300	119	149
	150	400	150	188
	75	150	57	71
	100	200	76	95
4.9	120	250	100	125
	130	300	119	149
	150	400	150	188
	75	150	57	71
5.0	100	200	76	95
	120	250	100	125
	130	300	119	149
	150	400	150	188
5.1	75	150	62	78
	100	200	81	101
	120	250	115	144
	130	300	135	169
5.2	150	400	165	206
	75	150	62	78
	100	200	81	101
	120	250	115	144
5.3	130	300	135	169
	150	400	165	206
	75	150	62	78
	100	200	81	101
5.4	120	250	115	144
	130	300	135	169
	150	400	165	206
	75	150	62	78
5.5	100	200	81	101
	120	250	115	144
	130	300	135	169
	150	400	165	206

斜柄钻头 Oblique Shank Drill

HSS	DIN345 通用型										产品编码：527...																		
尺寸					单价(人民币)					尺寸					单价(人民币)					尺寸					单价(人民币)				
刃径	刃长	全长	MT.NO	L6542	M35	刃径	刃长	全长	MT.NO	L6542	M35	刃径	刃长	全长	MT.NO	L6542	M35	刃径	刃长	全长	MT.NO	L6542	M35						
7.0	75	155	1	120	170	14.3	122	222	2	151	230	21.6	160	260	2	315	640	28.9	180	300	3	644	1270						
7.1	78	158	1	120	170	14.4	122	222	2	151	230	21.7	160	260	2	315	640	29.0	180	300	3	644	1270						
7.2	78	158	1	120	170	14.5	122	222	2	151	230	21.8	160	260	2	315	640	29.1	185	305	3	644	1270						
7.3	78	158	1	120	170	14.6	125	225	2	151	260	21.9	160	260	2	315	640	29.2	185	305	3	644	1270						
7.4	78	158	1	120	170	14.7	125	225	2	151	260	22.0	160	260	2	315	640	29.3	185	305	3	644	1270						
7.5	78	158	1	120	170	14.8	125	225	2	151	260	22.1	165	265	2	315	640	29.4	185	305	3	644	1270						
7.6	82	162	1	120	170	14.9	125	225	2	151	260	22.2	165	265	2	315	640	29.5	185	305	3	644	1270						
7.7	82	162	1	120	170	15.0	125	225	2	151	260	22.3	165	265	2	315	640	29.6	185	305	3	754	1430						
7.8	82	162	1	120	170	15.1	128	228	2	151	260	22.4	165	265	2	315	640	29.7	185	305	3	754	1430						
7.9	82	162	1	120	170	15.2	128	228	2	151	260	22.5	165	265	2	315	640	29.8	185	305	3	754	1430						
8.0	82	162	1	120	170	15.3	128	228	2	151	260	22.6	165	265	2	356	730	29.9	185	305	3	754	1430						
8.1	85	168	1	120	170	15.4	128	228	2	151	260	22.7	165	265	2	356	730	30.0	185	305	3	754	1430						
8.2	85	168	1	120	170	15.5	128	228	2	151	260	22.8	165	265	2	356	730	30.1	190	310	3	754	1430						
8.3	85	168	1	120	170	15.6	130	230	2	164	290	22.9	165	265	2	356	730	30.2	190	310	3	754	1430						
8.4	85	168	1	120	170	15.7	130	230	2	164	290	23.0	165	265	2	356	730	30.3	190	310	3	754	1430						
8.5	85	168	1	120	170	15.8	130	230	2	164	290	23.1	165	285	3	411	730	30.4	190	310	3	754	1430						
8.6	88	172	1	120	170	15.9	130	230	2	164	290	23.2	165	285	3	411	730	30.5	190	310	3	754	1430						
8.7	88	172	1	120	170	16.0	130	230	2	164	290	23.3	165	285	3	411	730	30.6	190	310	3	850	1560						
8.8	88	172	1	120	170	16.1	132	232	2	178	290	23.4	165	285	3	411	730	30.7	190	310	3	850	1560						
8.9	88	172	1	120	170	16.2	132	232	2	178	290	23.5	165	285	3	411	800	30.8	190	310	3	850	1560						
9.0	88	172	1	120	170	16.3	132	232	2	178	290	23.6	165	285	3	411	800	30.9	190	310	3	850	1560						
9.1	92	175	1	120	170	16.4	132	232	2	178	290	23.7	165	285	3	411	800	31.0	190	310	3	850	1560						
9.2	92	175	1	120	170	16.5	132	232	2	178	290	23.8	165	285	3	411	800	31.1	195	315	3	850	1560						
9.3	92	175	1	120	170	16.6	135	235	2	192	330	23.9	165	285	3	411	800	31.2	195	315	3	850	1560						
9.4	92	175	1	120	170	16.7	135	235	2	192	330	24.0	165	285	3	411	800	31.3	195	315	3	850	1560						
9.5	92	175	1	120	170	16.8	135	235	2	192	330	24.1	165	285	3	411	800	31.4	195	315	3	850	1560						
9.6	95	178	1	120	170	16.9	135	235	2	192	330	24.2	165	285	3	411	800	31.5	195	315	3	850	1560						
9.7	95	178	1	120	170	17.0	135	235	2	192	330	24.3	165	285	3	411	800	31.6	195	315	3	960	1810						
9.8	95	178	1	120	170	17.1	140	240	2	192	330	24.4	165	285	3	411	800	31.7	195	315	3	960	1810						
9.9	95	178	1	120	170	17.2	140	240	2	192	330	24.5	165	285	3	411	800	31.8	195	315	3	960	1810						
10.0	95	178	1	120	170	17.3	140	240	2	192	330	24.6	165	285	3	425	880	31.9	195	315	3	960	1810						
10.1	98	182	1	120	170	17.4	140	240	2	192	330	24.7	165	285	3	425	880	32.0	195	315	3	960	1810						
10.2	98	182	1	120	170	17.5	140	240	2	192	330	24.8	165	285	3	425	880	32.5	200	345	4	1000	1930						
10.3	98	182	1	120	170	17.6	140	240	2	206	370	24.9	165	285	3	425	880	33.0	200	345	4	1070	1930						
10.4	98	182	1	120	170	17.7	140	240	2	206	370	25.0	165	285	3	425	880	33.5	205	350	4	1110	1980						
10.5	98	182	1	120	170	17.8	140	240	2	206	370	25.1	165	285	3	425	880	34.0	205	350	4	1110	1980						
10.6	102	185	1	120	170	17.9	140	240	2	206	370	25.2	165	285	3	425	880	34.5	205	350	4	1180	1980						
10.7	102	185	1	120	170	18.0	140	240	2	206	370	25.3	165	285	3	425	880	35.0	205	350	4	1220	2140						
10.8	102	185	1	120	170	18.1	145	245	2	206	370	25.4	165	285	3	425	880	35.5	210	355	4	1300	2140						
10.9	102	185	1	120	170	18.2	145	245	2	206	370	25.5	165	285	3	425	880	36.0	210	355	4	1330	2310						
11.0	102	185	1	120	170	18.3	145	245	2	206	370	25.6	165	285	3	521	950	36.5	210	355	4	1410	2310						
11.1	105	188	1	120	170	18.4	145	245	2	206	370	25.7	165	285	3	521	950	37.0	210	355	4	1630	2500						
11.2	105	188	1	120	170	18.5	145	245	2	206	370	25.8	165	285	3	521	950	37.5	215	360	4	1640	2500						
11.3	105	188	1	120	170	18.6	145	245	2	219	420	25.9	165	285	3	521	950	38.0	215	360	4	1650	2760						
11.4	105	188	1	120	170	18.7	145	245	2	219	420	26.0	165	285	3	521	950	38.5	215	360	4	1680	2760						
11.5	105	188	1	120	170	18.8	145	245	2	219	420	26.1	170	290	3	521	950	39.0	215	360	4	1690	2940						
11.6	108	192	1	120	170	18.9	145	245	2	219	420	26.2	170	290	3	521	950	39.5	220	365	4	1700	2940						
11.7	108	192	1	120	170	19.0	145	245	2	219	420	26.3	170	290	3	521	950	40.0	220	365	4	1710	3050						
11.8	108	192	1	120	170	19.1	150	250	2	219	420	26.4	170	290	3	521	950	40.5	220	365	4	1720	3050						
11.9	108	192	1	120	170	19.2	150	250	2	219	420	26.5	170	290	3	521	950	41.0	220	365	4	1730	3160						
12.0	108	192	1	121	190	19.3	150	250	2	219	420	26.6	170	290	3	534	1020	41.5	225	370	4	1750	3160						
12.1	112	195	1	121	190	19.4	150	250	2	219	420	26.7	170	290	3	534	1020	42.0	225	370	4	1790	3230						
12.2	112	195	1	121	190	19.5	150	250	2	219	420	26.8	170	290	3	534	1020	42.5	225	370	4	1790	3230						
12.3	112	195	1	121	190	19.6	150	250	2																				

SG-ESS铣刀柄钻头
SG-ESS milling cutter bit

材质 SG 具有短长度的钻头，适用工件材料从碳钢和不锈钢到铝 产品编码：528...

尺寸					单价
刃径	刃长	全长	柄径	LIST 7572P	
1.0	6	38	3	62	
1.1	6	38	3	57	
1.1	7	39	3	57	
1.2	7	39	3	57	
1.2	8	40	3	57	
1.3	8	40	3	57	
1.3	8	40	3	57	
1.4	9	41	3	57	
1.4	9	41	3	57	
1.5	9	41	3	57	
1.5	9	41	3	57	
1.6	10	42	3	51	
1.6	10	42	3	51	
1.7	10	42	3	51	
1.7	10	42	3	51	
1.8	11	43	3	51	
1.8	11	43	3	51	
1.9	11	43	3	51	
1.9	11	43	3	51	
2.0	12	44	3	51	
2.0	12	44	3	61	
2.1	12	44	3	61	
2.1	12	44	3	61	
2.2	13	45	3	61	
2.2	13	45	3	61	
2.3	13	45	3	61	
2.3	13	45	3	61	
2.4	13	45	3	61	
2.4	14	46	3	61	
2.5	14	46	3	61	
2.5	14	46	3	61	
2.6	14	46	3	61	
2.6	14	46	3	61	
2.7	14	46	3	61	
2.7	16	48	3	61	
2.8	16	48	3	61	
2.8	16	48	3	61	
2.9	16	48	3	61	
2.9	16	48	3	61	
3.0	16	48	3	61	
3.0	16	48	3	61	
3.1	18	50	4	72	
3.1	18	50	4	72	
3.2	18	50	4	72	
3.2	18	50	4	72	
3.3	18	50	4	72	
3.3	18	50	4	72	
3.4	18	50	4	72	
3.4	20	52	4	72	
3.5	20	52	4	72	
3.5	20	52	4	72	
3.6	20	52	4	79	
3.6	20	52	4	79	
3.7	20	52	4	79	
3.7	20	52	4	79	
3.8	20	52	4	79	
3.8	22	54	4	79	
3.9	22	54	4	79	
3.9	22	54	4	79	
4.0	22	54	4	79	
4.0	22	54	4	79	
4.1	22	66	6	89	
4.1	22	66	6	89	
4.2	22	66	6	89	
4.2	22	66	6	89	
4.3	22	66	6	89	
4.3	24	68	6	89	
4.4	24	68	6	89	
4.4	24	68	6	89	
4.5	24	68	6	89	
4.5	24	68	6	89	
4.6	24	68	6	101	
4.6	24	68	6	101	

尺寸					单价
刃径	刃长	全长	柄径	LIST 7572P	
4.7	24	68	6	101	
4.7	24	68	6	101	
4.8	24	68	6	101	
4.8	26	70	6	101	
4.9	26	70	6	101	
4.9	26	70	6	101	
5.0	26	70	6	101	
5.1	26	70	6	120	
5.1	26	70	6	120	
5.2	26	70	6	120	
5.2	26	70	6	120	
5.3	26	70	6	120	
5.3	26	70	6	120	
5.4	28	72	6	120	
5.4	28	72	6	120	
5.5	28	72	6	120	
5.5	28	72	6	128	
5.6	28	72	6	128	
5.7	28	72	6	128	
5.7	28	72	6	128	
5.8	28	72	6	128	
5.8	28	72	6	128	
5.9	28	72	6	128	
5.9	28	72	6	128	
6.0	28	72	6	128	
6.0	28	72	6	128	
6.1	31	75	8	135	
6.2	31	75	8	135	
6.3	31	75	8	135	
6.4	31	75	8	135	
6.5	31	75	8	135	
6.6	31	75	8	140	
6.7	31	75	8	140	
6.8	34	78	8	140	
6.9	34	78	8	140	
7.0	34	78	8	140	
7.1	34	78	8	147	
7.2	34	78	8	147	
7.3	34	78	8	147	
7.4	34	78	8	147	
7.5	34	78	8	147	
7.6	37	81	8	155	
7.7	37	81	8	155	
7.8	37	81	8	155	
7.9	37	81	8	155	
8.0	37	81	8	155	
8.1	37	81	10	167	
8.2	37	81	10	167	
8.3	37	81	10	167	
8.4	37	81	10	167	
8.5	37	81	10	167	
8.6	40	90	10	180	
8.7	40	90	10	180	
8.8	40	90	10	180	
8.9	40	90	10	180	
9.0	40	90	10	180	
9.1	40	90	10	192	
9.2	40	90	10	192	
9.3	40	90	10	192	
9.4	40	90	10	192	
9.5	40	90	10	192	
9.6	43	93	10	204	
9.7	43	93	10	204	
9.8	43	93	10	204	
9.9	43	93	10	204	
10.0	43	100	10	204	
10.1	43	100	12	222	
10.2	43	100	12	222	
10.3	43	100	12	222	
10.4	43	100	12	222	
10.5	43	100	12	222	

尺寸					单价
刃径	刃长	全长	柄径	LIST 7572P	
10.6	43	100	12	244	
10.7	47	104	12	244	
10.8	47	104	12	244	
10.9	47	104	12	244	
11.0	47	104	12	244	
11.1	47	104	12	275	
11.2	47	104	12	275	
11.3	47	104	12	275	
11.4	47	104	12	275	
11.5	47	104	12	275	
11.6	47	104	12	299	
11.7	47	104	12	299	
11.8	47	104	12	299	
11.9	51	108	12	299	
12.0	51	108	12	299	
12.1	51	108	12	324	
12.2	51	108	12	324	
12.3	51	108	12	324	
12.4	51	108	12	324	
12.5	51	108	12	324	
12.6	51	108	12	352	
12.7	51	108	12	352	
12.8	51	108	12	352	
12.9	51	108	12	352	
13.0	51	108	12	352	
13.5	72	132	16	491	
14.0	72	132	16	491	
14.5	76	136	20	540	
15.0	76	142	20	650	
15.5	80	146	20	695	
16.0	80	146	20	695	
16.5	84	150	20	721	
17.0	84	150	20	721	
17.5	87	153	20	778	
18.0	87	153	20	778	
18.5	90	156	20	829	
19.0	90	164	25	829	
19.5	94	168	25	1025	
20.0	94	168	25	1025	

* 其余规格另询价！
Other specifications are available for inquiry!

钨钢中心钻

Tungsten steel fixed point drill, center drill

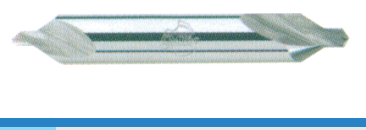


材质 F450 钨钢中心钻 产品编码：532...

尺寸				单价 (人民币)
刃径	刃长	柄径	全长	
Ø1.0	2.4	4	38	64
Ø1.5	2.4	4	38	64
Ø2.0	2.9	4	50	64
Ø2.0	2.9	6	50	110
Ø2.5	3.1	6	50	110
Ø3.0	3.9	6	50	110
Ø3.0	3.9	8	50	160
Ø4.0	5.0	10	65	250
Ø5.0	6.3	12	60	310

高速钢中心钻 产品编码：529...

High speed steel center drill

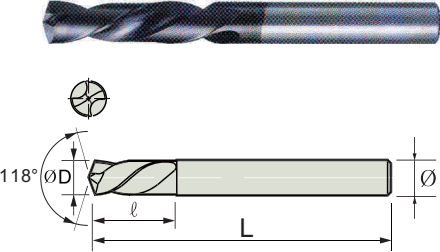


材质 HSS 通用型
标示说明：刃径×柄径×全长

规格尺寸	单价
0.4×3.0×31	110
0.5×3.0×31	86
0.6×3.5×36	77
0.8×4.0×36	59
1.0×4.0×36	49
1.2×5.0×42	45
1.5×5.0×42	37
2.0×5.0×42	37
2.5×6.0×47	43
3.0×7.7×57	52
3.2×7.7×57	52
4.0×10×69	103
5.0×11×69	111
6.0×16×90	271
8.0×18×100	425
10×18×100	425

钨钢钻头 产品编码：535...

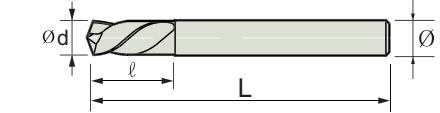
Tungsten steel drill bit



直径 d	全长 L	刃长 ℓ	单价Price
1.0-2.0	50	22	36
2.1-3.1	50	22	40
3.2-3.5	50	22	44
3.6-4.1	50	22	52
4.2-4.5	50	25	64
4.6-5.1	50	25	76
5.2-5.5	50	25	92
5.6-6.1	50	35	100
6.2-6.5	65	35	124
6.6-7.1	65	40	140
7.2-7.5	70	40	164
7.6-8.1	70	40	180
8.2-8.5	75	40	212
8.6-9.1	75	40	232
9.2-9.5	80	40	260
9.6-10.1	80	40	280
10.2-11.0	80	40	312
11.1-11.5	100	50	432
11.6-12.1	100	50	452
12.2-12.5	100	50	500
12.6-13.0	100	50	524

钨钢定柄钻头 产品编码：531...

Tungsten steel fixed shank bit



直径 d	刃长 ℓ	全长 L	柄径 D	单价Price
1.0	8	42	3	80
1.1-1.3	10	42	3	80
1.4-1.5	11	42	3	80
1.6-1.7	12	42	3	80
1.8-1.9	13	42	3	80
2.0-2.9	14	50	3	88
3.0	16	50	3	88
3.1-3.3	20	60	4	120
3.4-3.7	22	60	4	120
3.8-4.0	24	60	4	120
4.1-5.0	26	62	5	160
5.1-5.5	28	66	6	196
5.6-6.0	30	66	6	196
6.1-6.6	34	74	7	292
6.8-7.0	37	74	7	292
7.1-8.0	40	79	8	360
8.1-9.0	43	84	9	392
9.1-10.0	47	89	10	464
10.1-11.0	51	95	11	680
11.1-12.0	54	102	12	820
12.1-13.0	57	102	13	920
13.1-14.0	60	107	14	1100

■ 适用于NC加工，可加工铸钢、铸铁、冷硬铸钢、可锻铸铁、耐磨塑料等难切削材料。适用于高速进给、高速切削，使用寿命长，快速缩短加工时间，提升效率。

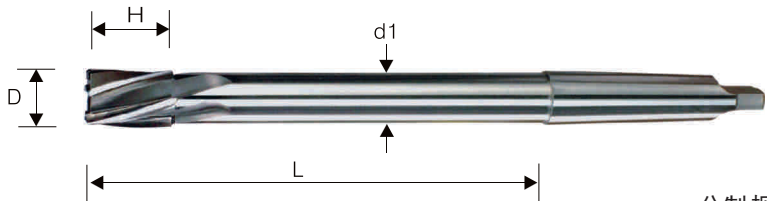
■ For NC processing, can process cast steel,

MZG®

高效率孔加工
High Efficiency Drilling

SWRMT

螺旋焊刃式超微粒钨钢
左旋机械铰刀-莫氏锥柄
Spiral welded edge ultrafine tungsten steelLeft-
handed mechanical reamer - Morse taper shank



公制规格

订购编码 Order Number	规格 Type	尺寸 Size(mm)						单价 Price
		外径 D(H7)	刃长 H	工作长 L	颈径 d ₁	莫氏锥柄 MT	齿数 T	
551100	SWRMT-12	12	20	150	11	2#	4	390
551102	SWRMT-14	14	20	150	13	2#	4	410
551104	SWRMT-15	15	25	150	14	3#	4	465
551106	SWRMT-16	16	25	150	15	3#	4	465
551108	SWRMT-17	17	25	150	16	3#	4	510
551110	SWRMT-18	18	35	200	17	3#	5	715
551112	SWRMT-19	19	35	200	18	3#	5	730
551114	SWRMT-20	20	35	200	19	3#	5	735
551116	SWRMT-22	22	35	200	20	3#	5	830
551118	SWRMT-23	23	35	200	21	3#	5	835
551120	SWRMT-24	24	35	200	22	3#	5	865
551122	SWRMT-25	25	35	200	22	3#	5	840
551124	SWRMT-28	28	35	230	25	4#	6	1160
551126	SWRMT-30	30	35	230	26	4#	6	1195
551128	SWRMT-32	32	35	230	28	4#	6	1245
551130	SWRMT-35	35	35	230	31	4#	6	1360
551132	SWRMT-40	40	40	260	34	4#	6	1650
551134	SWRMT-42	42	40	260	36	4#	6	1810
551136	SWRMT-45	45	40	260	38	4#:5#	6	2020
551138	SWRMT-50	50	50	300	44	4#:5#	6	2520
551140	SWRMT-55	55	50	300	46	4#:5#	8	3070
551142	SWRMT-60	60	50	300	50	4#:5#	8	3300

SWRIMT

螺旋焊刃式超微粒钨钢左旋机械铰刀-莫氏锥柄

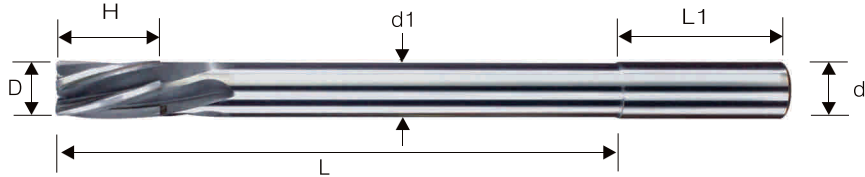
Spiral Welding Edge Type Ultra-fine Particle Tungsten Steel Left-hand Mechanical Reamer - Morse Taper Shank

英制规格

订购编码 Order Number	规格 Type	尺寸 Size(mm)						单价 Price
		外径 D(H7)	刃长 H	工作长 L	颈径 d ₁	莫氏锥柄 MT	齿数 T	
551200	SWRIMT-1/2"	1/2"	20	150	12	2#	4	410
551202	SWRIMT-5/8"	5/8"	25	150	15	3#	4	465
551204	SWRIMT-3/4"	3/4"	35	200	18	3#	5	735
551206	SWRIMT-7/8"	7/8"	35	200	20	3#	5	865
551208	SWRIMT-1"	1"	35	200	22	3#	5	1160
551210	SWRIMT-1*1/8	1*1/8	35	230	25	4#	6	1195
551212	SWRIMT-1*1/4	1*1/4	35	230	28	4#	6	1245
551214	SWRIMT-1*3/8	1*3/8	35	230	31	4#	6	1360
551216	SWRIMT-1*1/2	1*1/2	35	260	34	4#	6	1650
551218	SWRIMT-1*5/8	1*5/8	40	260	36	4#	6	1810
551220	SWRIMT-1*3/4	1*3/4	40	260	38	4#	6	2020
551222	SWRIMT-1*7/8	1*7/8	40	260	40	4#	6	2520
551224	SWRIMT-2"	2"	50	300	44	4#	6	3070

SWRM

螺旋焊刃式超微粒
钨钢左旋机械铰刀-直柄
Spiral-welded ultrafine particlesTungsten steel
left-hand mechanical reamer - straight shank



订购编码 Order Number	规格 Type	尺寸 Size(mm)							单价 Price
		外径 D(H7)	刃长 H	工作长 L	颈径 d ₁	柄径 d(h7)	柄长 L ₁	齿数 T	
551300	SWRM-12	12	20	120	11	12	50	4	270
551302	SWRM-14	14	20	150	13	16	60	4	305
551304	SWRM-15	15	20	150	14	16	60	4	315
551306	SWRM-16	16	25	150	15	16	60	4	340
551308	SWRM-20	20	35	200	19	20	60	5	550
551310	SWRM-25	25	35	200	20	20	60	5	630

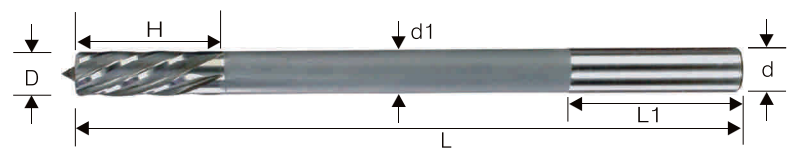
高精度铰刀

High precision reamer

SWRI

对焊式超微粒钨钢头
左旋机械铰刀-直柄

Butt-welded ultra-fine tungsten steel head
Left-handed mechanical reamer - straight shank



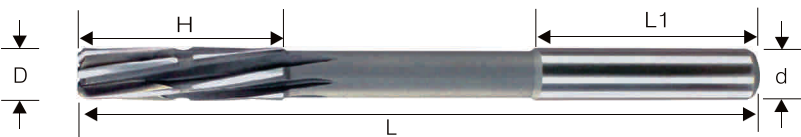
英制规格

订购编码 Order Number	规格 Type	尺寸 Size(mm)							单价 Price
		外径 D(H7)	刃长 H	颈径 d ₁	柄长 L ₁	柄径 d(h7)	全长 L	齿数 T	
551400	SWRI-1/8"	1/8"	20	3	35	3	75	4	
551402	SWRI-3/16"	3/16"	20	4.4	35	4	75	4	
551404	SWRI-1/4"	1/4"	30	6	40	6	130	4	
551406	SWRI-5/16"	5/16"	30	7.5	40	8	130	5	
551408	SWRI-3/8"	3/8"	30	9.3	40	10	130	5	
551410	SWRI-7/16"	7/16"	30	10.8	40	12	130	6	
551412	SWRI-1/2"	1/2"	30	12	40	12	130	6	

SWM

焊刃式超微粒钨钢不等分
左旋机械铰刀-直柄

Welding edge type ultrafine tungsten steel is not equal
Left-handed mechanical reamer - straight shank



订购编码 Order Number	规格 Type	尺寸 Size(mm)						单价 Price
		外径 D(H7)	刃长 H	柄长 L ₁	柄径 d(h7)	全长 L	齿数 T	
551500	SWM-6	6	26	32	6	93	6T	
551502	SWM-7	7	31	36	7	109	6T	
551504	SWM-8	8	33	42	8	117	6T	
551506	SWM-9	9	36	42	9	125	6T	
551508	SWM-10	10	38	45	10	133	6T	
551510	SWM-11	11	41	48	10	142	6T	
551512	SWM-12	12	44	50	10	151	6T	
551514	SWM-13	13	44	50	10	151	6T	
551516	SWM-14	14	47	53	12.5	160	6T	
551518	SWM-15	15	50	55	12.5	162	6T	
551520	SWM-16	16	52	58	12.5	170	6T	
551522	SWM-17	17	54	62	14	175	6T	
551524	SWM-18	18	56	64	14	182	6T	
551526	SWM-19	19	58	66	16	189	6T	
551528	SWM-20	20	60	68	16	195	6T	

SWMT

焊刃式超微粒钨钢不等分
左旋机械铰刀-莫式锥柄

Welding edge type ultrafine tungsten steel is not equal
Left-handed mechanical reamer - Mo-style taper shank



订购编码 Order Number	规格 Type	尺寸 Size(mm)					单价 Price
		外径 D(H7)	刃长 H	全长 L	莫氏锥柄 MT	齿数 T	
551600	SWMT-10	10	38	168	1#	6	
551602	SWMT-11	11	41	175	1#	6	
551604	SWMT-12	12	44	182	1#	6	
551606	SWMT-13	13	44	182	1#	6	
551608	SWMT-14	14	47	189	1#	6	
551610	SWMT-15	15	50	204	2#	6	
551612	SWMT-16	16	52	210	2#	6	
551614	SWMT-17	17	54	214	2#	6	
551616	SWMT-18	18	56	219	2#	6	
551618	SWMT-19	19	58	223	2#	6	
551620	SWMT-20	20	60	228	2#	6	
551622	SWMT-22	22	64	237	2#	6	
551624	SWMT-24	24	68	268	2#	8	
551626	SWMT-25	25	68	268	2#	8	
551628	SWMT-26	26	70	273	3#	8	
551630	SWMT-27	27	71	277	3#	8	
551632	SWMT-28	28	71	277	3#	8	
551634	SWMT-30	30	73	281	3#	8	
551636	SWMT-32	32	77	317	4#	8	
551638	SWMT-35	35	78	321	4#	8	
551640	SWMT-36	36	79	325	4#	8	
551642	SWMT-38	38	81	329	4#	8	
551644	SWMT-40	40	81	329	4#	8	