

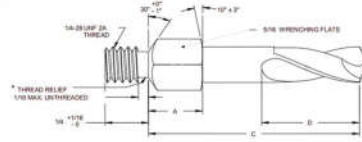
《螺纹柄钻头》NAS-965 Threaded Shank Drills NAS-965

•高速钢

钻头按NAS 965宇航标准B型制造, 135°P-3钻尖角, 1/4-28 UNF 2A等级螺纹, 表面处理 - 蒸汽氧化。高速钢钻头适合对普通到中等硬度, 低抗拉强度的材料, 配套正脖气钻, 在狭窄空间里进行钻孔。

•High Speed Steel

Drills are manufactured to NAS965Type B construction with 135° P.3 split points, 1/4-28 UNF Class 2A Thread Surface Treated - Steam Oxide. High Speed Steel drills are for drilling general to medium duty, low tensile strength materials in confined areas.

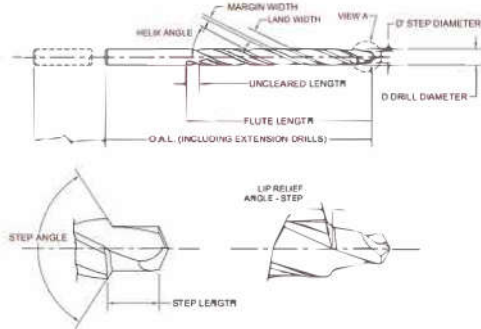


《螺纹柄双刃阶梯钻》

•用于钻削钛合金、不锈钢、经热处理的材料和铝合金。钻削的孔精度高, 表面光滑并可以省去铰孔的工序。



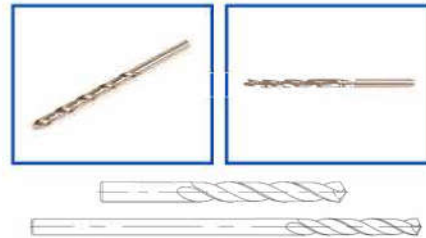
Designed for close tolerance drilling in titanium, stainless, heat treated material and aluminum alloys, When the drill point penetrates enough for the second margin to contact the wall of the hole, the point is stabilized and true cylindrical geometry is established. Smooth accurate holes are produced and reaming can often be eliminated.



《航空超长钻头 > 6英寸 / 12英寸》NAS-907 Aircraft Extension Drills NAS-907

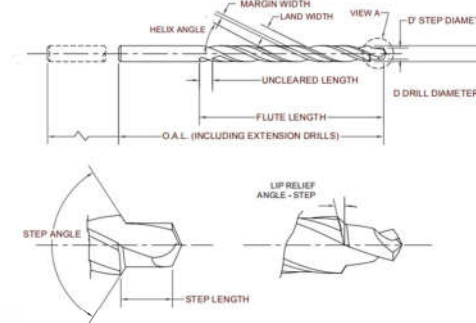
•我们的6英寸和12英寸, 高速钢和含钴高速钢材料, 航空用超长钻头, 按照NAS宇航标准设计与制造, 135°钻尖角优良排屑槽设计, 表面以蒸汽氧化处理过。使用寿命更长, 用于钻削坚硬, 高抗拉强度的材料, 如高速钢, 钛合金和耐热镍基合金。

Our 6" and 12 aircraft extension drills are manufactured to NASdrills are used for drilling in tough, high tensile strength materials like stainless steel, titanium and inconel We incorporate a heavy flute design and 135 split point. S standard. HSS and HSS Cobalt, provide long life. Our cobalt.



《6英寸加长 > 双棱直柄麻花钻 > 航空专用》NAS-937宇航标准 Double Margin 6" Overall Length Extension Drills NAS-937

•用于钻削铝合金, 钛合金, 不锈钢, 热处理过的材料。可以钻削出高质量, 高精度的孔, 并且可以省去铰孔的工序。

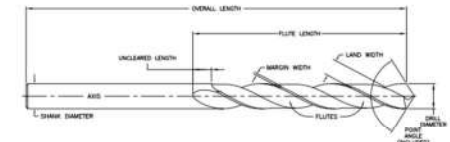


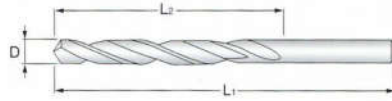
Designed for close tolerance drilling in titanium, stainless, heat treated material and aluminum alloys. When the drill point penetrates enough for the second margin to contact the wall of the hole, the point is stabilized and true cylindrical geometry is established. Smooth accurate holes are produced and reaming can often be eliminated.

《符合NAS907-J宇航标准, 含8%钴高速钢钻头, 135°》

•M42高速钢, 含钴8%, 135°钻尖角 (大量库存现货供应)。Jobber Length M 42, 8% Cobalt 135 Split Pint.

•应用: 高质量, 符合宇航标准NAS907-J型规格要求, 此类含钴高速钻适用于铝合金与坚硬的、抗拉强度高材料的不锈钢、钛合金和耐热镍基合金。钻头由含8%钴的高速钢组成, 并有重型切削刃以及135°钻尖角。高比。适合机加与手动钻孔。National Aerospace Standard 907, Type J Cobalt Jobbers Length Drill Cobalt HSS, Surface Treated, 135° Split Ft. - Made to NAS 907 Type J specifications, these cobalt jobbers length drills are used for drilling in tough, high tensile strength materials like stainless steels, titanium and inconel. They are made of 8% cobalt high speed steel, with heavy duty flute construction and 135° split point.





mm											
D	L ₁	L ₂	D	L ₁	L ₂	D	L ₁	L ₂	D	L ₁	L ₂
1	56	33	5.1	132	87	9.2	175	115	13.3	214	140
1.1	60	37	5.2	132	87	9.3	175	115	13.4	214	140
1.2	65	41	5.3	132	87	9.4	175	115	13.5	214	140
1.3	65	41	5.4	139	91	9.5	175	115	13.6	214	140
1.4	70	45	5.5	139	91	9.6	184	121	13.7	214	140
1.5	70	45	5.6	139	91	9.7	184	121	13.8	214	140
1.6	76	50	5.7	139	91	9.8	184	121	13.9	214	140
1.7	76	50	5.8	139	91	9.9	184	121	14	214	140
1.8	80	53	5.9	139	91	10	184	121	14.25	220	144
1.9	80	53	6	139	91	10.1	184	121	14.5	220	144
2	85	56	6.1	148	97	10.2	184	121	14.75	220	144
2.1	85	56	6.2	148	97	10.3	184	121	15	220	144
2.2	90	56	6.3	148	97	10.4	184	121	15.25	227	149
2.3	90	56	6.4	148	97	10.5	184	121	15.5	227	149
2.4	95	62	6.5	148	97	10.6	184	121	15.75	227	149
2.5	95	62	6.6	148	97	10.7	195	128	16	227	149
2.6	95	62	6.7	148	97	10.8	195	128	16.25	235	154
2.7	100	66	6.8	156	102	10.9	195	128	16.5	235	154
2.8	100	66	6.9	156	102	11	195	128	16.75	235	154
2.9	100	66	7	156	102	11.1	195	128	17	235	154
3	100	66	7.1	156	102	11.2	195	128	17.25	241	158
3.1	106	69	7.2	156	102	11.3	195	128	17.5	241	158
3.2	106	69	7.3	156	102	11.4	195	128	17.75	241	158
3.3	106	69	7.4	156	102	11.5	195	128	18	241	158
3.4	112	73	7.5	156	102	11.6	195	128	18.25	247	162
3.5	112	73	7.6	165	109	11.7	195	128	18.5	247	162
3.6	112	73	7.7	165	109	11.8	195	128	18.75	247	162
3.7	112	73	7.8	165	109	11.9	205	134	19	247	162
3.8	119	78	7.9	165	109	12	205	134	19.25	254	166
3.9	119	78	8	165	109	12.1	205	134	19.5	254	166
4	119	78	8.1	165	109	12.2	205	134	19.75	254	166
4.1	119	78	8.2	165	109	12.3	205	134	20	254	166
4.2	119	78	8.3	165	109	12.4	205	134			
4.3	126	82	8.4	165	109	12.5	205	134			
4.4	126	82	8.5	165	109	12.6	205	134			
4.5	126	82	8.6	175	115	12.7	205	134			
4.6	126	82	8.7	175	115	12.8	205	134			
4.7	126	82	8.8	175	115	12.9	205	134			
4.8	132	87	8.9	175	115	13	205	134			
4.9	132	87	9.0	175	115	13.1	205	134			
5	132	87	9.1	175	115	13.2	205	134			

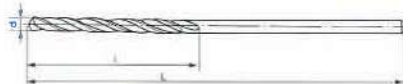
► 高速钢直柄麻花钻 (通用系列)
HSS STRAIGHT SHANK TWIST DRILLS(GENERAL SERIES)

•ISO235-80 GB6134-85 G81436-85 DIN338-1978

国际标准235-80 国标6134-85 国标1436-85 德国标准338-1978

D	e	L	D	e	L	D	e	L	D	e	L
0.20	2.5	19	1.95	24	49	6.00	57	93	11.20	94	142
0.22	2.5	19	2.00	24	49	6.10	63	101	11.30	94	142
0.25	3.0	19	2.05	24	49	6.20	63	101	11.40	94	142
0.28	3.0	19	2.10	24	49	6.30	63	101	11.50	94	142
0.30	3.0	19	2.15	27	53	6.40	63	101	11.60	94	142
0.32	4.0	19	2.20	27	53	6.50	63	101	11.70	94	142
0.35	4.0	19	2.25	27	53	6.60	63	101	11.80	94	142
0.38	4.0	19	2.30	27	53	6.70	63	101	11.90	101	151
0.40	5.0	20	2.35	27	53	6.80	69	109	12.00	101	151
0.42	5.0	20	2.40	30	57	6.90	69	109	12.10	101	151
0.45	5.0	20	2.45	30	57	7.00	69	109	12.20	101	151
0.48	5.0	20	2.50	30	57	7.10	69	109	12.30	101	151
0.50	6.0	22	2.55	30	57	7.20	69	109	12.40	101	151
0.52	6.0	22	2.60	30	57	7.30	69	109	12.50	101	151
0.55	7.0	24	2.65	30	57	7.40	69	109	12.60	101	151
0.58	7.0	24	2.70	33	61	7.50	69	109	12.70	101	151
0.60	7.0	24	2.75	33	61	7.60	75	117	12.85	101	151
0.62	8.0	26	2.80	33	61	7.70	75	117	12.90	101	151
0.65	8.0	26	2.85	33	61	7.80	75	117	13.00	101	151
0.68	9.0	28	2.90	33	61	7.90	75	117	13.10	101	151
0.70	9.0	28	2.95	33	61	8.00	75	117	13.20	101	151
0.72	9.0	28	3.00	33	61	8.10	75	117	13.30	108	160
0.75	9.0	28	3.10	36	65	8.20	75	117	13.40	108	160
0.78	10	30	3.20	36	65	8.30	75	117	13.50	108	160
0.80	10	30	3.30	36	65	8.40	75	117	13.60	108	160
0.82	10	30	3.40	39	70	8.50	75	117	13.70	108	160
0.85	10	30	3.50	39	70	8.60	81	125	13.80	108	160
0.88	11	30	3.60	39	70	8.70	81	125	13.90	108	160
0.90	11	32	3.70	39	70	8.80	81	125	14.00	108	160
0.92	11	32	3.80	43	75	8.90	81	125	14.25	114	169
0.95	11	32	3.90	43	75	9.00	81	125	14.50	114	169
0.98	12	34	4.00	43	75	9.10	81	125	14.75	114	169
1.00	12	34	4.10	43	75	9.20	81	125	15.00	114	169
1.05	14	34	4.20	43	75	9.30	81	125	15.25	120	178
1.10	14	36	4.30	47	80	9.40	81	125	15.50	120	178
1.15	16	36	4.40	47	80	9.50	81	125	15.75	120	178
1.20	16	38	4.50	47	80	9.60	87	133	16.00	120	178
1.25	16	38	4.60	47	80	9.70	87	133	16.25	125	184
1.30	16	38	4.70	47	80	9.80	87	133	16.50	125	184
1.35	18	40	4.80	52	86	9.90	87	133	16.75	125	184
1.40	18	40	4.90	52	86	10.00	87	133	17.00	125	184
1.45	18	40	5.00	52	86	10.20	87	133	17.25	130	191
1.50	18	40	5.10	52	86	10.30	87	133	17.50	130	191
1.55	20	43	5.20	52	86	10.40	87	133	17.75	130	191
1.60	20	43	5.30	52	86	10.50	87	133	18.00	130	191
1.65	20	43	5.40	57	93	10.60	87	133	18.75	135	195
1.70	20	43	5.50	57	93	10.70	94	142	18.50	135	195
1.75	22	46	5.60	57	93	10.80	94	142	19.00	135	195
1.80	22	46	5.70	57	93	10.90	94	142	19.25	140	205
1.85	22	46	5.80	57	93	11.00	94	142	19.50	140	205
1.90	22	46	5.90	57	93	11.10	94	142	19.75	140	205
									20.00	140	205

轮胎模具定制麻花钻



•用途：用于较深孔的钻削

特点及精度：本产品所用材料工艺和性能以及其表面粗糙度，位置公差均与普通直柄麻花钻相同，但其刃部较长。

Usage:Used for drilling deeper holes.

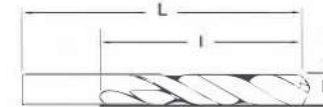
Features and precision:Material technology,features,surface roughness and position tolerance are the same with those of conventional straight shank twist drill.Longer edge.

编号 NO	直径 A	总长
001	0.50	60-120
002	0.80	60-120
003	1.00	60-120
004	1.20	60-120
005	1.50	60-150
006	2.00	80-300
007	2.50	95-300
008	3.00	100-350
009	3.20	106-400
010	3.50	112-400
011	4.00	119-450
012	4.50	126-450
013	5.00	132-500
014	5.50	139-500
015	6.00	139-600
016	6.50	148-600
017	6.70	148-600
018	6.80	156-600
019	7.00	156-600
020	7.50	156-600
021	7.80	165-600

编号 NO	直径 A	总长
022	8.00	165-600
023	8.50	165-600
024	8.80	175-600
025	9.00	175-600
026	9.30	175-600
027	9.50	175-600
028	9.70	184-600
029	9.80	184-600
030	10.0	184-600
031	10.5	184-600
032	11.0	195-600
033	11.5	195-600
034	11.8	195-600
035	12.0	205-600
036	12.5	205-600
037	13.0	205-600
038	13.5	214-600
039	14.0	214-600
040	15.0	220-600
041	16.0	227-600

美标直柄麻花钻

•60-1 # A-Z 1/16" -1/2"



Fraction	No.	Ltr.	Diameter of Drill		Flute Length		Overall Length	
			D	I	I	L	Inch	mm
3/64	60		0.0400	1.016	11/16	17	1 5/8	41
	59		0.4100	1.041	11/16	17	1 5/8	41
	58		0.4200	1.067	11/16	17	1 5/8	41
	57		0.4300	1.095	3/4	19	1 3/4	44
	56		0.4650	1.181	3/4	19	1 3/4	44
1/16	55		0.4690	1.191	3/4	19	1 3/4	44
	54		0.5200	1.321	7/8	22	1 7/8	48
	53		0.5500	1.397	7/8	22	1 7/8	48
	52		0.5950	1.511	7/8	22	1 7/8	48
	51		0.6250	1.588	7/8	22	1 7/8	48
	50		0.6350	1.613	7/8	22	1 7/8	48
5/64	49		0.6700	1.708	1	25	2	51
	48		0.7000	1.778	1	25	2	51
	47		0.7300	1.859	1	25	2	51
	46		0.7600	1.930	1	25	2	51
	45		0.7810	1.984	1	25	2	51
	44		0.7850	1.994	1	25	2	51
	43		0.8100	2.057	1 1/8	29	2 1/8	54
	42		0.8200	2.083	1 1/8	29	2 1/8	54
	41		0.8600	2.184	1 1/8	29	2 1/8	54
	40		0.8900	2.261	1 1/4	32	2 1/4	57
3/32	39		0.9350	2.370	1 1/4	32	2 1/4	57
	38		0.9380	2.383	1 1/4	32	2 1/4	57
	37		0.9600	2.438	1 3/8	35	2 3/8	60
	36		0.9800	2.489	1 3/8	35	2 3/8	60
	35		0.9950	2.527	1 3/8	35	2 3/8	60
	34		1.015	2.578	1 7/16	37	2 1/2	64
	33		1.0400	2.642	1 7/16	37	2 1/2	64
	32		1.065	2.705	1 7/16	37	2 1/2	64
	31		1.094	2.779	1 1/2	38	2 5/8	67
	30		1.1100	2.794	1 1/2	38	2 5/8	67
	29		1.1110	2.819	1 1/2	38	2 5/8	67
	28		1.1130	2.870	1 1/2	38	2 5/8	67
7/64	27		1.160	2.946	1 5/8	41	2 5/8	70
	26		1.1200	3.048	1 5/8	41	2 5/8	70
	25		1.1250	3.175	1 5/8	41	2 5/8	70
	24		1.1285	3.264	1 5/8	41	2 5/8	70
	23		1.1360	3.454	1 3/4	44	2 7/8	73
	22		1.1405	3.569	1 3/4	44	2 7/8	73
	21		1.1406	3.571	1 3/4	44	2 7/8	73
	20		1.1440	3.658	1 7/8	48	3	76
	19		1.1470	3.734	1 7/8	48	3	76
	18		1.1495	3.797	1 7/8	48	3	76
	17		1.1520	3.861	2	51	3 1/8	79
9/64	16		1.1540	3.912	2	51	3 1/8	79
	15		1.1562	3.967	2	51	3 1/8	79
	14		1.1570	3.988	2	51	3 1/8	79
	13		1.1590	4.039	2 1/8	54	3 1/4	83
	12		1.1610	4.089	2 1/8	54	3 1/4	83
	11		1.1660	4.216	2 1/8	54	3 1/4	83
	10		1.1695	4.305	2 1/8	54	3 1/4	83
	9		1.1719	4.366	2 1/8	54	3 1/4	83
	8		1.1730	4.394	2 3/16	56	3 3/8	86
	7		1.1770	4.496	2 3/16	56	3 3/8	86
5/32	6		1.1800	4.572	2 3/16	56	3 3/8	86
	5		1.1820	4.629	2 3/16	56	3 3/8	86
	4		1.1850	4.700	2 5/16	59	3 1/2	89
	3							
	2							
	1							

Fraction	No.	Ltr.	Diameter of Drill		Flute Length		Overall Length	
			D	I	I	L	Inch	mm
3/16	12		0.1875	4.762	2 5/16	59	3 1/2	89
	11		0.1890	4.800	2 5/16	59	3 1/2	89
	10		0.1910	4.851	2 5/16	59	3 1/2	89
	9		0.1935	4.915	2 7/16	62	3 5/8	92
13/64	8		0.1960	4.978	2 7/16	62	3 5/8	92
	7		0.1990	5.054	2 7/16	62	3 5/8	92
	6		0.2010	5.105	2 7/16	62	3 5/8	92
	5		0.2031	5.159	2 7/16	62	3 5/8	92
7/32	4		0.2040	5.182	2 1/2	64	3 3/4	95
	3		0.2055	5.220	2 1/2	64	3 3/4	95
	2		0.2090	5.309	2 1/2	64	3 3/4	95
15/64	1		0.2130	5.410	2 1/2	64	3 3/4	95
	A		0.2188	5.558	2 1/2	64	3 3/4	95
	B		0.2210	5.613	2 5/8	67	3 7/8	98
	C		0.2280	5.791	2 5/8	67	3 7/8	98
	D		0.2340	5.944	2 5/8	67	3 7/8	98
	E		0.2344	5.954	2 5/8	67	3 7/8	98
	F		0.2380	6.045	2 3/4	70	4	102
	G		0.2420	6.147	2 3/4	70	4	102
	H		0.2460	6.248	2 3/4	70	4	102
	I		0.2500	6.350	2 3/4	70	4	102
43834	J		0.2570	6.528	2 7/8	73	4 1/8	105
	K		0.2610	6.629	2 7/8	73	4 1/8	105
	L		0.2656	6.746	2 7/8	73	4 1/8	105
	M		0.2660	6.796	2 7/8	73	4 1/8	105
	N		0.2720	6.909	2 7/8	73	4 1/8	105
	O		0.2770	7.036	2 7/8	73	4 1/8	105
	P		0.2810	7.137	2 15/16	75	4 1/4	108
	Q		0.2812	7.142	2 15/16	75	4 1/4	108
	R		0.2900	7.366	2 15/16	75	4 1/4	108
17/64	S		0.2950	7.493	3 1/16	78	4 3/8	111
	T		0.2969	7.541	3 1/16	78	4 3/8	111
	U		0.3020	7.671	3 1/16	78	4 3/8	111
	V		0.3125	7.938	3 3/16	81	4 1/2	114
	W		0.3160	8.026	3 3/16	81	4 1/2	114
	X		0.3230	8.204	3 5/16	84	4 5/8	117
19/64	Y		0.3281	8.334	3 5/16	84	4 5/8	117
	Z		0.3320	8.433	3 7/16	87	4 3/4	121
	1		0.3390	8.611	3 7/16	87	4 3/7	121
	2		0.3438	8.733	3 7/16	87	4 3/7	121
	3		0.3480	8.839	3 1/2	89	4 7/8	124
	4		0.3580	9.093	3 1/2	89	4 7/8	124
	5		0.3594	9.129	3 1/2	89	4 7/8	124
	6		0.3680	9.347	3 5/8	92	5	127
	7		0.3750	9.525	3 5/8	92	5	127
	8		0.3770	9.576	3 5/8	92	5	127
21/64	9		0.3860	9.804	3 3/4	95	5 1/8	130
	10		0.3906	9.921	3 3/4	95	5 1/8	130
	11		0.3970	10.084	3 3/4	95	5 1/8	130
	12		0.4090	10.262	3 7/8	98	5 1/4	133
	13		0.4062	10.317	3 7/8	98	5 1/4	133
	14		0.4130	10.490	3 7/8	98	5 1/4	133
	15		0.4219	10.716	3 15/16	100	5 3/8	137
	16		0.4375	11.112	4 1/16	103	5 1/2	140
	17		0.4231	11.509	4 3/16	106	5 5/8	143
	18		0.4688	11.908	4 5/16	110	5 3/4	146
31/64	19		0.4844	12.304	4 3/8	111	5 7/8	149
	20		0.5000	12.700	4 1/2	114	6	152
	21							

扩孔钻 Core Drills

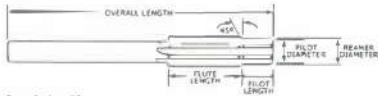
- 长系列, 带导柱, 18度螺旋角
- 965-1高速钢

Long Series, Threaded Shank Core Drills Piloted, 18 Degree Helix
965-1 High Speed Steel



铰刀 > 高速钢 > 带导柱 High Speed Steel Piloted Chucking Reamers

- 航空专用
- 直柄, 直刃

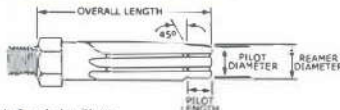


Straight Shank, Straight Flute



铰刀 > 高速钢 > 带导柱 > 直刃 > 螺纹柄 High Speed Steel Piloted Reamers

- 航空专用
- 1/4-28螺纹柄, 直刃

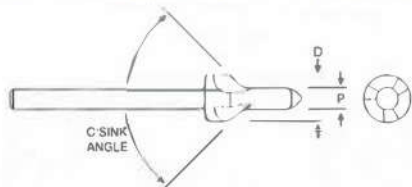


1/4-28 Threaded Shank, Straight Flute

注: 其他尺寸, 欢迎咨询 NOTE OTHER SIZES AVAILABLE. PRICE



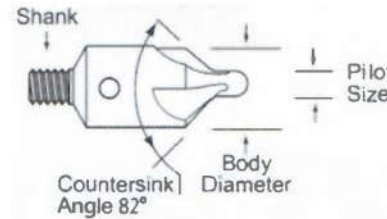
铰窝角度X°可选择90° 100°或120° Countersink angle x° available 90°, 100°, or 120°



铰窝钻 > 高速钢 > 3刃 > 82度 > 连体导柱 > 1/4-28螺纹柄 1/2英寸刀体直径 / 英寸

HSS-3 Flute, 82 Degrees, Integral Pilot, 1/4-28 Threaded Shank 1/2" Body Diameter

- 材质: 高速钢HSS
- 优点: 铰窝钻可广泛配套于可调节铰窝深度的限位器, 由最好的高速工具钢制作而成。经精确研磨, 公差度小, 保证铰窝的同心度。

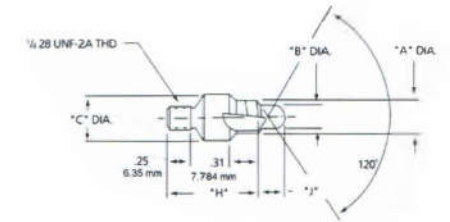


Countersink cutters may be used in all couzolar adjustable or Micro-stop countersink-ng units utilizing a threaded shank drive.

Made from the finest High speed tool steel.ecision ground to exacting tolerances and tom relieved to insure concentricity of countersink angle.

BRILES款式铰窝钻

- BRILES款式铰窝钻, 带有特殊几何参数, 可同时加工出 counter-bore 与带有120度的铰窝角度。1/4"-28标准螺纹柄有 "FZP" 与 "FRP" 两种款式可选择, 可配合441HSBR或同等规格限位器使用。
- "FZP"是最常用的款式, 符合: BRILES 铆钉公司的BRFZ标准, MS14218标准, 与波音BACR15FV标准。
- "FRP"符合: BRILES 铆钉公司的BRFR标准, MS14219标准, 与波音BACR15的标准。
- 选型指南:
BR-FZP-X或 BR-FRP-X
BR=代表BRILES 铆钉
X=代表铆钉直径
各种尺寸供应。请来电咨询



锥柄高速钢铰窝钻 High speed steel spot facer with cone handle

- 铰窝角度X°可选择90° 100°或120°。
- Countersink angle x° available 90°, 100°, or 120°.

