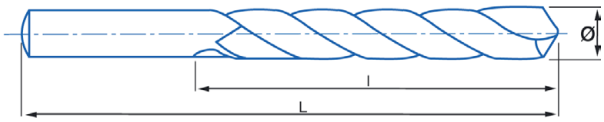
HSS | DIN 338 | Type N | 118°

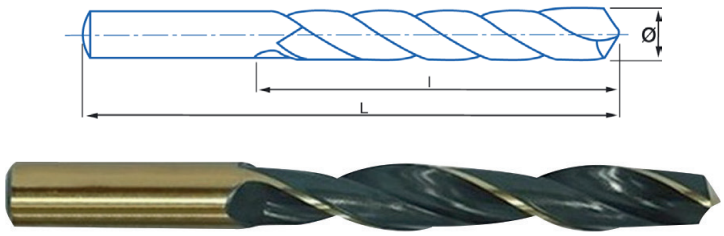




Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
0,40	20	5	10	
0,50	22	6	10	
0,60	24	7	10	
0,70	28	9	10	
0,80	30	10	10	
0,90	32	11	10	
1,00	34	12	10	
1,10	36	14	10	
1,20	38	16	10	
1,30	38	16	10	
1,40	40	18	10	
1,50	40	18	10	
1,60	43	20	10	
1,70	43	20	10	
1,80	46	22	10	
1,90	46	22	10	
2,00	49	24	10	
2,10	49	24	10	
2,20	53	27	10	
2,30	53	27	10	
2,40	57	30	10	
2,50	57	30	10	
2,60	57	30	10	
2,70	61	33	10	
2,80	61	33	10	
2,90	61	33	10	
3,00	61	33	10	
3,10	65	36	10	
3,20	65	36	10	
3,30	65	36	10	
3,40	70	39	10	
3,50	70	39	10	
3,60	70	39	10	
3,70	70	39	10	
3,80	75	43	10	
3,90	75	43	10	
4,00	75	43	10	
4,10	75	43	10	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
4,20	75	43	10	
4,30	80	47	10	
4,40	80	47	10	
4,50	80	47	10	
4,60	80	47	10	
4,70	80	47	10	
4,80	86	52	10	
4,90	86	52	10	
5,00	86	52	10	
5,10	86	52	10	
5,20	86	52	10	
5,30	86	52	10	
5,40	93	57	10	
5,50	93	57	10	
5,60	93	57	10	
5,70	93	57	10	
5,80	93	57	10	
5,90	93	57	10	
6,00	93	57	10	
6,10	101	63	10	
6,20	101	63	10	
6,30	101	63	10	
6,40	101	63	10	
6,50	101	63	10	
6,60	101	63	10	
6,70	101	63	10	
6,80	109	69	10	
6,90	109	69	10	
7,00	109	69	10	
7,10	109	69	10	
7,20	109	69	10	
7,30	109	69	10	
7,40	109	69	10	
7,50	109	69	5	
7,60	117	75	5	
7,70	117	75	5	
7,80	117	75	5	
7,90	117	75	5	

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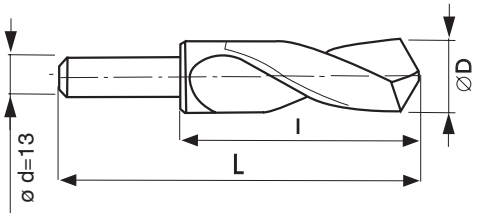


Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
8,00	117	75	5	
8,10	117	75	5	
8,20	117	75	5	
8,30	117	75	5	
8,40	117	75	5	
8,50	117	75	5	
8,60	125	81	5	
8,70	125	81	5	
8,80	125	81	5	
8,90	125	81	5	
9,00	125	81	5	
9,10	125	81	5	
9,20	125	81	5	
9,30	125	81	5	
9,40	125	81	5	
9,50	125	81	5	
9,60	133	87	5	
9,70	133	87	5	
9,80	133	87	5	
9,90	133	87	5	
10,00	133	87	5	
10,10	133	87	5	
10,20	133	87	5	
10,30	133	87	5	
10,40	133	87	5	
10,50	133	94	5	
10,60	133	94	5	
10,70	142	94	5	
10,80	142	94	5	
10,90	142	94	5	
11,00	142	94	5	
11,10	142	94	5	
11,20	142	94	5	
11,30	142	94	5	
11,40	142	94	5	
11,50	142	94	5	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
11,60	142	94	5	
11,70	142	94	5	
11,80	142	94	5	
11,90	151	101	5	
12,00	151	101	5	
12,10	151	101	5	
12,20	151	101	5	
12,30	151	101	5	
12,40	151	101	5	
12,50	151	101	5	
12,60	151	101	5	
12,70	151	101	5	
12,80	151	101	5	
12,90	151	101	5	
13,00	151	101	5	
13,10	151	101	1	
13,20	151	101	1	
13,30	160	108	1	
13,40	160	108	1	
13,50	160	108	1	
13,60	160	108	1	
13,70	160	108	1	
13,80	160	108	1	
13,90	160	108	1	
14,00	160	108	1	
14,10	169	114	1	
14,20	169	114	1	
14,30	169	114	1	
14,40	169	114	1	
14,50	169	114	1	
14,60	169	114	1	
14,70	169	114	1	
14,80	169	114	1	
14,90	169	114	1	
15,00	169	114	1	
15,10	169	120	1	

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15,2-20mm ölçüler için

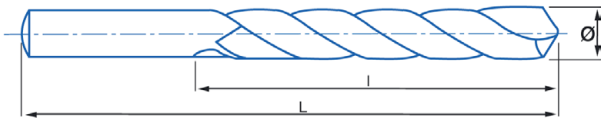
Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
15,20	178	120	1	
15,30	178	120	1	
15,40	178	120	1	
15,50	178	120	1	
15,60	178	120	1	
15,70	178	120	1	
15,80	178	120	1	
15,90	178	120	1	
16,00	178	120	1	
16,10	184	125	1	
16,20	184	125	1	
16,30	184	125	1	
16,40	184	125	1	
16,50	184	125	1	
16,60	184	125	1	
16,70	184	125	1	
16,80	184	125	1	
16,90	184	125	1	
17,00	184	125	1	
17,10	191	130	1	
17,20	191	130	1	
17,30	191	130	1	
17,40	191	130	1	
17,50	191	130	1	
17,60	191	130	1	
17,70	191	130	1	
17,80	191	130	1	
17,90	191	130	1	
18,00	191	130	1	
18,10	198	135	1	
18,20	198	135	1	
18,30	198	135	1	
18,40	198	135	1	
18,50	198	135	1	
18,60	198	135	1	

20,5-30mm ölçüler için

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
18,70	198	135	1	
18,80	198	135	1	
18,90	198	135	1	
19,00	198	135	1	
19,10	205	140	1	
19,20	205	140	1	
19,30	205	140	1	
19,40	205	140	1	
19,50	205	140	1	
19,60	205	140	1	
19,70	205	140	1	
19,80	205	140	1	
19,90	205	140	1	
20,00	205	140	1	
20,50	205	145	1	
21,00	205	145	1	
21,50	210	150	1	
22,00	210	150	1	
22,50	215	155	1	
23,00	215	155	1	
23,50	220	160	1	
24,00	220	160	1	
24,50	220	160	1	
25,00	220	160	1	
25,50	235	165	1	
26,00	235	165	1	
26,50	235	170	1	
27,00	235	170	1	
27,50	235	170	1	
28,00	235	170	1	
28,50	240	175	1	
29,00	240	175	1	
29,50	240	175	1	
30,00	240	175	1	

YENİ ÜRÜN

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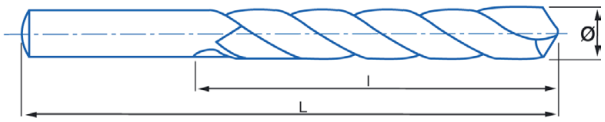




Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
1,00	34	12	10	
1,10	36	14	10	
1,20	38	16	10	
1,30	38	16	10	
1,40	40	18	10	
1,50	40	18	10	
1,60	43	20	10	
1,70	43	20	10	
1,80	46	22	10	
1,90	46	22	10	
2,00	49	24	10	
2,10	49	24	10	
2,20	53	27	10	
2,30	53	27	10	
2,40	57	30	10	
2,50	57	30	10	
2,60	57	30	10	
2,70	61	33	10	
2,80	61	33	10	
2,90	61	33	10	
3,00	61	33	10	
3,10	65	36	10	
3,20	65	36	10	
3,30	65	36	10	
3,40	70	39	10	
3,50	70	39	10	
3,60	70	39	10	
3,70	70	39	10	
3,80	75	43	10	
3,90	75	43	10	
4,00	75	43	10	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
4,10	75	43	10	
4,20	75	43	10	
4,30	80	47	10	
4,40	80	47	10	
4,50	80	47	10	
4,60	80	47	10	
4,70	80	47	10	
4,80	86	52	10	
4,90	86	52	10	
5,00	86	52	10	
5,10	86	52	10	
5,20	86	52	10	
5,30	86	52	10	
5,40	93	57	10	
5,50	93	57	10	
5,60	93	57	10	
5,70	93	57	10	
5,80	93	57	10	
5,90	93	57	10	
6,00	93	57	10	
6,10	101	63	10	
6,20	101	63	10	
6,30	101	63	10	
6,40	101	63	10	
6,50	101	63	10	
6,60	101	63	10	
6,70	101	63	10	
6,80	109	69	10	
6,90	109	69	10	
7,00	109	69	10	
7,10	109	69	10	

HSS | DIN 338 | Type N | 118° | SOL

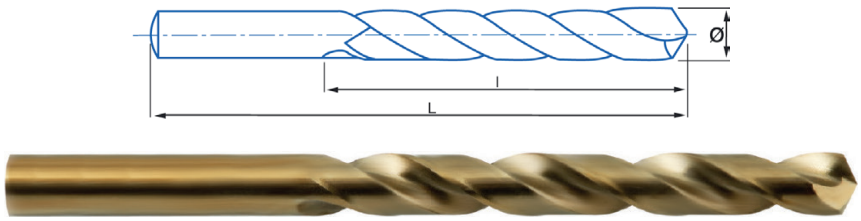




Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
7,20	109	69	10	
7,30	109	69	10	
7,40	109	69	10	
7,50	109	69	5	
7,60	117	75	5	
7,70	117	75	5	
7,80	117	75	5	
7,90	117	75	5	
8,00	117	75	5	
8,10	117	75	5	
8,20	117	75	5	
8,30	117	75	5	
8,40	117	75	5	
8,50	117	75	5	
8,60	125	81	5	
8,70	125	81	5	
8,80	125	81	5	
8,90	125	81	5	
9,00	125	81	5	
9,10	125	81	5	
9,20	125	81	5	
9,30	125	81	5	
9,40	125	81	5	
9,50	125	81	5	
9,60	133	87	5	
9,70	133	87	5	
9,80	133	87	5	
9,90	133	87	5	
10,00	133	87	5	
10,10	133	87	5	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
10,20	133	87	5	
10,30	133	87	5	
10,40	133	87	5	
10,50	133	94	5	
10,60	133	94	5	
10,70	142	94	5	
10,80	142	94	5	
10,90	142	94	5	
11,00	142	94	5	
11,10	142	94	5	
11,20	142	94	5	
11,30	142	94	5	
11,40	142	94	5	
11,50	142	94	5	
11,60	142	94	5	
11,70	142	94	5	
11,80	142	94	5	
11,90	151	101	5	
12,00	151	101	5	
12,10	151	101	5	
12,20	151	101	5	
12,30	151	101	5	
12,40	151	101	5	
12,50	151	101	5	
12,60	151	101	5	
12,70	151	101	5	
12,80	151	101	5	
12,90	151	101	5	
13,00	151	101	5	

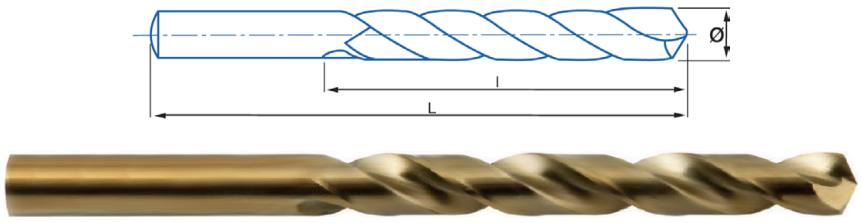
HSS Co5 | DIN 338 | Type N | 135°



Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
0,50	22	6	10	
0,60	24	7	10	
0,70	28	9	10	
0,80	30	10	10	
0,90	32	11	10	
1,00	34	12	10	
1,10	36	14	10	
1,20	38	16	10	
1,30	38	16	10	
1,40	40	18	10	
1,50	40	18	10	
1,60	43	20	10	
1,70	43	20	10	
1,80	46	22	10	
1,90	46	22	10	
2,00	49	24	10	
2,10	49	24	10	
2,20	53	27	10	
2,30	53	27	10	
2,40	57	30	10	
2,50	57	30	10	
2,60	57	30	10	
2,70	61	33	10	
2,80	61	33	10	
2,90	61	33	10	
3,00	61	33	10	
3,10	65	36	10	
3,20	65	36	10	
3,30	65	36	10	
3,40	70	39	10	
3,50	70	39	10	
3,60	70	39	10	
3,70	70	39	10	
3,80	75	43	10	
3,90	75	43	10	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
4,00	75	43	10	
4,10	75	43	10	
4,20	75	43	10	
4,30	80	47	10	
4,40	80	47	10	
4,50	80	47	10	
4,60	80	47	10	
4,70	80	47	10	
4,80	86	52	10	
4,90	86	52	10	
5,00	86	52	10	
5,10	86	52	10	
5,20	86	52	10	
5,30	86	52	10	
5,40	93	57	10	
5,50	93	57	10	
5,60	93	57	10	
5,70	93	57	10	
5,80	93	57	10	
5,90	93	57	10	
6,00	93	57	10	
6,10	101	63	10	
6,20	101	63	10	
6,30	101	63	10	
6,40	101	63	10	
6,50	101	63	10	
6,60	101	63	10	
6,70	101	63	10	
6,80	109	69	10	
6,90	109	69	10	
7,00	109	69	10	
7,10	109	69	10	
7,20	109	69	10	
7,30	109	69	10	
7,40	109	69	10	

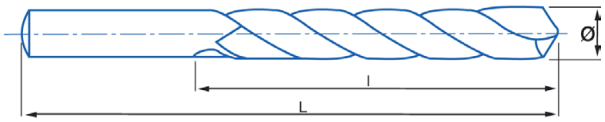
HSS Co5 | DIN 338 | Type N | 135°



Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
7,50	109	69	5	
7,60	117	75	5	
7,70	117	75	5	
7,80	117	75	5	
7,90	117	75	5	
8,00	117	75	5	
8,10	117	75	5	
8,20	117	75	5	
8,30	117	75	5	
8,40	117	75	5	
8,50	117	75	5	
8,60	125	81	5	
8,70	125	81	5	
8,80	125	81	5	
8,90	125	81	5	
9,00	125	81	5	
9,10	125	81	5	
9,20	125	81	5	
9,30	125	81	5	
9,40	125	81	5	
9,50	125	81	5	
9,60	133	87	5	
9,70	133	87	5	
9,80	133	87	5	
9,90	133	87	5	
10,00	133	87	5	
10,10	133	87	5	
10,20	133	87	5	
10,30	133	87	5	
10,40	133	87	5	
10,50	133	94	5	
10,60	133	94	5	
10,70	142	94	5	
10,80	142	94	5	
10,90	142	94	5	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
11,00	142	94	5	
11,10	142	94	5	
11,20	142	94	5	
11,30	142	94	5	
11,40	142	94	5	
11,50	142	94	5	
11,60	142	94	5	
11,70	142	94	5	
11,80	142	94	5	
11,90	151	101	5	
12,00	151	101	5	
12,10	151	101	5	
12,20	151	101	5	
12,30	151	101	5	
12,40	151	101	5	
12,50	151	101	5	
12,60	151	101	5	
12,70	151	101	5	
12,80	151	101	5	
12,90	151	101	5	
13,00	151	101	5	
13,50	160	108	1	
14,00	160	108	1	
14,50	169	114	1	
15,00	169	114	1	
15,50	178	120	1	
16,00	178	120	1	
16,50	184	125	1	
17,00	184	125	1	
17,50	191	130	1	
18,00	191	130	1	
18,50	198	135	1	
19,00	198	135	1	
19,50	205	140	1	
20,00	205	140	1	

HSS Co5 | DIN 338 | Type N | 135°

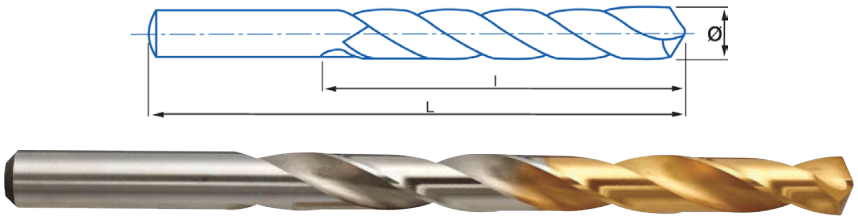




Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
0,50	22	6	10	
0,60	24	7	10	
0,70	28	9	10	
0,80	30	10	10	
0,90	32	11	10	
1,00	34	12	10	
1,10	36	14	10	
1,20	38	16	10	
1,30	38	16	10	
1,40	40	18	10	
1,50	40	18	10	
1,60	43	20	10	
1,70	43	20	10	
1,80	46	22	10	
1,90	46	22	10	
2,00	49	24	10	
2,10	49	24	10	
2,20	53	27	10	
2,30	53	27	10	
2,40	57	30	10	
2,50	57	30	10	
2,60	57	30	10	
2,70	61	33	10	
2,80	61	33	10	
2,90	61	33	10	
3,00	61	33	10	
3,10	65	36	10	
3,20	65	36	10	
3,30	65	36	10	
3,40	70	39	10	
3,50	70	39	10	
3,60	70	39	10	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
3,70	70	39	10	
3,80	75	43	10	
3,90	75	43	10	
4,00	75	43	10	
4,10	75	43	10	
4,20	75	43	10	
4,30	80	47	10	
4,40	80	47	10	
4,50	80	47	10	
4,60	80	47	10	
4,70	80	47	10	
4,80	86	52	10	
4,90	86	52	10	
5,00	86	52	10	
5,10	86	52	10	
5,20	86	52	10	
5,30	86	52	10	
5,40	93	57	10	
5,50	93	57	10	
5,60	93	57	10	
5,70	93	57	10	
5,80	93	57	10	
5,90	93	57	10	
6,00	93	57	10	
6,10	101	63	10	
6,20	101	63	10	
6,30	101	63	10	
6,40	101	63	10	
6,50	101	63	10	
6,60	101	63	10	
6,70	101	63	10	
6,80	109	69	10	

HSS Co5 | DIN 338 | Type N | 135°



Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
6,90	109	69	10	
7,00	109	69	10	
7,10	109	69	10	
7,20	109	69	10	
7,30	109	69	10	
7,40	109	69	10	
7,50	109	69	5	
7,60	117	75	5	
7,70	117	75	5	
7,80	117	75	5	
7,90	117	75	5	
8,00	117	75	5	
8,10	117	75	5	
8,20	117	75	5	
8,30	117	75	5	
8,40	117	75	5	
8,50	117	75	5	
8,60	125	81	5	
8,70	125	81	5	
8,80	125	81	5	
8,90	125	81	5	
9,00	125	81	5	
9,10	125	81	5	
9,20	125	81	5	
9,30	125	81	5	
9,40	125	81	5	
9,50	125	81	5	
9,60	133	87	5	
9,70	133	87	5	
9,80	133	87	5	
9,90	133	87	5	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
10,00	133	87	5	
10,10	133	87	5	
10,20	133	87	5	
10,30	133	87	5	
10,40	133	87	5	
10,50	133	94	5	
10,60	133	94	5	
10,70	142	94	5	
10,80	142	94	5	
10,90	142	94	5	
11,00	142	94	5	
11,10	142	94	5	
11,20	142	94	5	
11,30	142	94	5	
11,40	142	94	5	
11,50	142	94	5	
11,60	142	94	5	
11,70	142	94	5	
11,80	142	94	5	
11,90	151	101	5	
12,00	151	101	5	
12,10	151	101	5	
12,20	151	101	5	
12,30	151	101	5	
12,40	151	101	5	
12,50	151	101	5	
12,60	151	101	5	
12,70	151	101	5	
12,80	151	101	5	
12,90	151	101	5	
13,00	151	101	5	

HSS | DIN 340 | Type N | 118°





Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
0,80	50	27	10	
1,00	56	33	10	
1,10	60	37	10	
1,20	65	41	10	
1,30	70	45	10	
1,40	70	45	10	
1,50	70	45	10	
1,60	76	50	10	
1,70	80	53	10	
1,80	80	53	10	
1,90	85	56	10	
2,00	85	56	10	
2,10	85	56	10	
2,20	90	59	10	
2,30	90	59	10	
2,40	95	62	10	
2,50	95	62	10	
2,60	95	62	10	
2,70	100	66	10	
2,80	100	66	10	
2,90	100	66	10	
3,00	100	66	10	
3,10	106	69	10	
3,20	106	69	10	
3,30	106	69	10	
3,40	112	73	10	
3,50	112	73	10	
3,60	112	73	10	
3,70	112	73	10	
3,80	119	78	10	
3,90	119	78	10	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
4,00	119	78	10	
4,10	119	78	10	
4,20	119	78	10	
4,30	126	82	10	
4,40	126	82	10	
4,50	126	82	10	
4,60	126	82	10	
4,70	126	82	10	
4,80	132	87	10	
4,80	132	87	10	
5,00	132	87	10	
5,10	132	87	10	
5,20	132	87	10	
5,30	132	87	10	
5,40	139	91	10	
5,50	139	91	10	
5,60	139	91	10	
5,70	139	91	10	
5,80	139	91	10	
5,90	139	91	10	
6,00	139	91	10	
6,10	148	97	10	
6,20	148	97	10	
6,30	148	97	10	
6,40	148	97	10	
6,50	148	97	10	
6,60	148	97	10	
6,70	148	97	10	
6,80	156	102	10	
6,90	156	102	10	
7,00	156	102	10	

HSS | DIN 340 | Type N | 118°

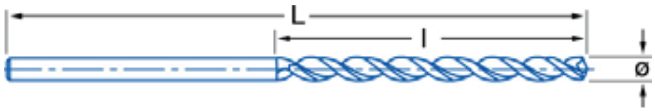




Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
7,10	156	102	10	
7,20	156	102	10	
7,30	156	102	10	
7,40	156	102	10	
7,50	156	102	5	
7,60	165	109	5	
7,70	165	109	5	
7,80	165	109	5	
7,90	165	109	5	
8,00	165	109	5	
8,10	165	109	5	
8,20	165	109	5	
8,30	165	109	5	
8,40	165	109	5	
8,50	165	109	5	
8,60	175	115	5	
8,70	175	115	5	
8,80	175	115	5	
8,90	175	115	5	
9,00	175	115	5	
9,10	175	115	5	
9,20	175	115	5	
9,30	175	115	5	
9,40	175	115	5	
9,50	175	115	5	
9,60	184	121	5	
9,70	184	121	5	
9,80	184	121	5	
9,90	184	121	5	
10,00	184	121	5	

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
10,10	184	121	5	
10,20	184	121	5	
10,30	184	121	5	
10,40	184	121	5	
10,50	184	121	5	
10,60	184	121	5	
10,70	195	128	5	
10,80	195	128	5	
10,90	195	128	5	
11,00	195	128	5	
11,10	195	128	5	
11,20	195	128	5	
11,30	195	128	5	
11,40	195	128	5	
11,50	195	128	5	
11,60	195	128	5	
11,70	195	128	5	
11,80	195	128	5	
11,90	205	134	5	
12,00	205	134	5	
12,10	205	134	5	
12,20	205	134	5	
12,30	205	134	5	
12,40	205	134	5	
12,50	205	134	5	
12,60	205	134	5	
12,70	205	134	5	
12,80	205	134	5	
12,90	205	134	5	
13,00	205	134	5	







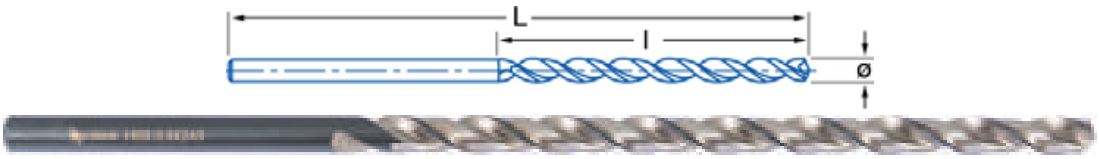
DIN 1869/1

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
1,00	125	85	1	
1,50	125	85	1	
2,00	125	85	1	
2,50	140	95	1	
3,00	150	100	1	
3,50	165	115	1	
4,00	175	120	1	
4,50	185	125	1	
5,00	195	135	1	
5,50	205	140	1	
6,00	205	140	1	
6,50	215	150	1	
7,00	225	155	1	
7,50	225	155	1	
8,00	240	165	1	
8,50	240	165	1	
9,00	250	175	1	
9,50	250	175	1	
10,00	265	185	1	
10,50	265	185	1	
11,00	280	195	1	
11,50	280	195	1	
12,00	295	205	1	
12,50	295	205	1	
13,00	295	205	1	

DIN 1869/2

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
1,00	150	100	1	
1,50	150	100	1	
2,00	160	110	1	
2,50	180	120	1	
3,00	190	130	1	
3,50	210	145	1	
4,00	220	150	1	
4,50	235	160	1	
5,00	245	170	1	
5,50	260	180	1	
6,00	260	180	1	
6,50	275	190	1	
7,00	290	200	1	
7,50	290	200	1	
8,00	305	210	1	
8,50	305	210	1	
9,00	320	220	1	
9,50	320	220	1	
10,00	340	235	1	
10,50	340	235	1	
11,00	365	250	1	
11,50	365	250	1	
12,00	375	260	1	
12,50	375	260	1	
13,00	375	260	1	
14,00	375	260	1	





DIN 1869/3

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
3,50	265	180	1	
4,00	280	150	1	
4,50	295	220	1	
5,00	315	210	1	
5,50	330	225	1	
6,00	330	225	1	
6,50	350	235	1	
7,00	370	250	1	
7,50	370	250	1	
8,00	390	265	1	
8,50	390	265	1	
9,00	410	280	1	
9,50	410	280	1	
10,00	430	295	1	
10,50	430	295	1	
11,00	455	310	1	
11,50	455	310	1	
12,00	480	330	1	
12,50	480	330	1	
13,00	480	330	1	
14,00	480	330	1	
14,50	480	330	1	
15,00	480	330	1	
15,50	480	330	1	
16,00	480	330	1	
16,50	480	330	1	
17,00	480	330	1	
17,50	480	330	1	
18,00	480	330	1	
18,50	480	330	1	
19,00	480	330	1	
19,50	480	330	1	
20,00	480	330	1	

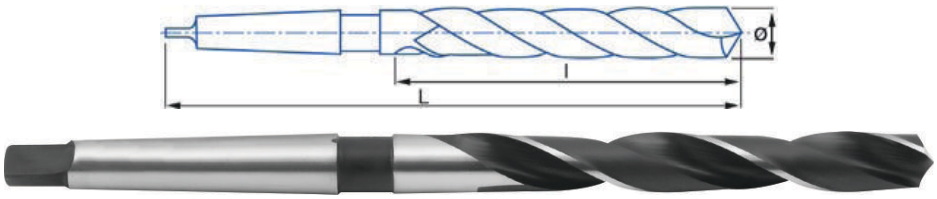
EXSTRA ÇOK UZUN SERİ (500mm)

Ø (mm) h8	L (mm)	l (mm)		FİYAT USD
4,00	500	400	1	
4,50	500	400	1	
5,00	500	400	1	
5,50	500	400	1	
6,00	500	400	1	
6,50	500	400	1	
7,00	500	400	1	
7,50	500	400	1	
8,00	500	400	1	
8,50	500	400	1	
9,00	500	400	1	

EXSTRA ÇOK UZUN SERİ (600mm)

8,00	600	500	1	
8,50	600	500	1	
9,00	600	500	1	
9,50	600	500	1	
10,00	600	500	1	
10,50	600	500	1	
11,00	600	500	1	
11,50	600	500	1	
12,00	600	500	1	
12,50	600	500	1	
13,00	600	500	1	
13,50	600	500	1	
14,00	600	500	1	
14,50	600	500	1	
15,00	600	500	1	
15,50	600	500	1	
16,00	600	500	1	
16,50	600	500	1	
17,00	600	500	1	
17,50	600	500	1	
18,00	600	500	1	
18,50	600	500	1	
19,00	600	500	1	
19,50	600	500	1	
20,00	600	500	1	

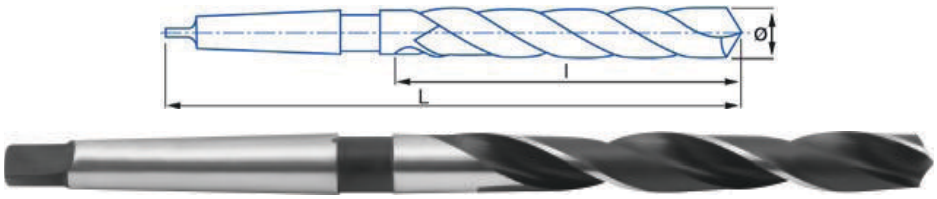
HSS | DIN 345 | Type N | 118° | MK1-3



Ø (mm) h8	L (mm)	l (mm)	MK	FİYAT USD
8,00	156	75	1	
8,50	156	75	1	
9,00	162	81	1	
9,50	162	81	1	
10,00	168	87	1	
10,20	168	87	1	
10,25	168	87	1	
10,50	168	87	1	
10,75	175	94	1	
11,00	175	94	1	
11,25	175	94	1	
11,50	175	94	1	
11,75	175	94	1	
12,00	182	101	1	
12,25	182	101	1	
12,50	182	101	1	
12,75	182	101	1	
13,00	182	101	1	
13,25	189	108	1	
13,50	189	108	1	
13,75	189	108	1	
14,00	189	108	1	
14,25	212	114	2	
14,50	212	114	2	
14,75	212	114	2	
15,00	212	114	2	
15,25	218	120	2	
15,50	218	120	2	
15,75	218	120	2	
16,00	218	120	2	
16,25	223	125	2	
16,50	223	125	2	
16,75	223	125	2	
17,00	223	125	2	
17,25	228	130	2	
17,50	228	130	2	

Ø (mm) h8	L (mm)	l (mm)	MK	FİYAT USD
17,75	228	130	2	
18,00	228	130	2	
18,25	233	135	2	
18,50	233	135	2	
18,75	233	135	2	
19,00	233	135	2	
19,25	238	140	2	
19,50	238	140	2	
19,75	238	140	2	
20,00	238	140	2	
20,25	243	145	2	
20,50	243	145	2	
20,75	243	145	2	
21,00	243	150	2	
21,25	248	150	2	
21,50	248	150	2	
21,75	248	150	2	
22,00	248	150	2	
22,25	253	150	2	
22,50	253	155	2	
22,75	253	155	2	
23,00	253	155	2	
23,25	276	155	3	
23,50	276	155	3	
23,75	281	160	3	
24,00	281	160	3	
24,25	281	160	3	
24,50	281	160	3	
24,75	281	160	3	
25,00	281	160	3	
25,25	286	165	3	
25,50	286	165	3	
25,75	286	165	3	
26,00	286	165	3	
26,25	286	165	3	
26,50	286	165	3	

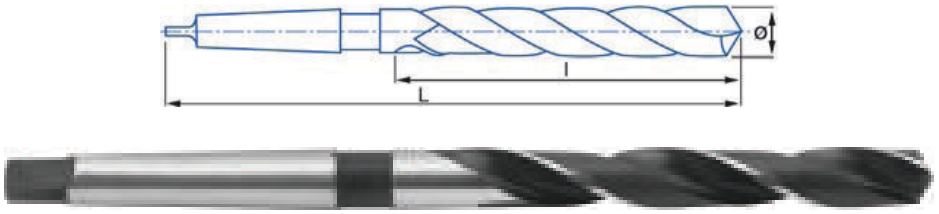
HSS | DIN 345 | Type N | 118° | MK3-5



Ø (mm) h8	L (mm)	l (mm)	MK	FİYAT USD
26,75	291	170	3	
27,00	291	170	3	
27,25	291	170	3	
27,50	291	170	3	
27,75	291	170	3	
28,00	291	175	3	
28,25	296	175	3	
28,50	296	175	3	
28,75	296	175	3	
29,00	296	175	3	
29,25	296	175	3	
29,50	296	175	3	
29,75	296	175	3	
30,00	296	175	3	
30,25	301	180	3	
30,50	301	180	3	
30,75	301	180	3	
31,00	301	180	3	
31,50	301	180	3	
32,00	334	185	4	
32,50	334	185	4	
33,00	334	185	4	
33,50	334	190	4	
34,00	339	190	4	
34,50	339	190	4	
35,00	339	190	4	
35,50	339	195	4	
36,00	344	195	4	
36,50	344	195	4	
37,00	344	195	4	
37,50	344	200	4	
38,00	349	200	4	
38,50	349	200	4	
39,00	349	200	4	
39,50	349	200	4	
40,00	349	205	4	

Ø (mm) h8	L (mm)	l (mm)	MK	FİYAT USD
40,50	354	205	4	
41,00	354	205	4	
41,50	354	205	4	
42,00	354	205	4	
42,50	354	205	4	
43,00	359	210	4	
43,50	359	210	4	
44,00	359	210	4	
44,50	359	210	4	
45,00	359	215	4	
45,50	364	215	4	
46,00	364	215	4	
46,50	364	215	4	
47,00	364	215	4	
47,50	364	220	4	
48,00	369	220	4	
48,50	369	220	4	
49,00	369	220	4	
49,50	369	220	4	
50,00	369	225	4	
51,00	412	225	5	
52,00	412	225	5	
53,00	412	225	5	
54,00	417	230	5	
55,00	417	230	5	
56,00	417	235	5	
57,00	417	235	5	
58,00	422	235	5	
59,00	422	235	5	
60,00	422	240	5	
61,00	427	240	5	
62,00	427	240	5	
63,00	427	245	5	
64,00	432	245	5	
65,00	432	245	5	

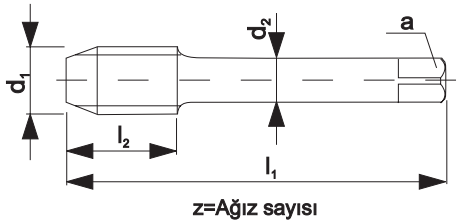
HSS | DIN 341 | Type N | 118° | MK1-4



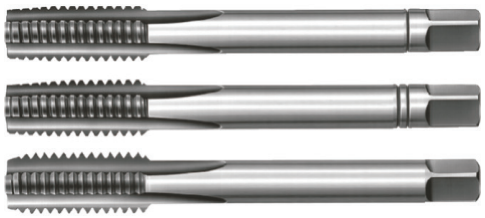
Ø (mm) h8	L (mm)	l (mm)	MK	FİYAT USD
8,00	181	100	1	
8,50	181	100	1	
9,00	188	107	1	
9,50	188	107	1	
10,00	197	116	1	
10,50	197	116	1	
11,00	206	125	1	
11,50	206	125	1	
12,00	215	134	1	
12,50	215	134	1	
13,00	215	134	1	
13,50	233	142	1	
14,00	233	142	1	
14,50	245	147	2	
15,00	245	147	2	
15,50	251	153	2	
16,00	251	153	2	
16,50	257	159	2	
17,00	257	159	2	
17,50	263	165	2	
18,00	263	165	2	
18,50	269	171	2	
19,00	269	171	2	
19,50	275	177	2	
20,00	275	177	2	
20,50	282	184	2	
21,00	282	184	2	
21,50	289	191	2	
22,00	289	191	2	
22,50	296	198	2	

Ø (mm) h8	L (mm)	l (mm)	MK	FİYAT USD
23,0	296	198	2	
23,5	319	198	3	
24,0	327	206	3	
24,5	327	206	3	
25,0	327	206	3	
26,0	335	214	3	
27,0	343	222	3	
28,0	343	222	3	
29,0	351	230	3	
30,0	351	230	3	
31,0	360	239	3	
32,0	397	248	4	
33,0	397	248	4	
34,0	406	257	4	
35,0	406	257	4	
36,0	416	267	4	
37,0	416	267	4	
38,0	426	277	4	
39,0	426	277	4	
40,0	426	277	4	
41,0	436	287	4	
42,0	436	287	4	
43,0	447	298	4	
44,0	447	298	4	
45,0	447	298	4	
46,0	459	310	4	
47,0	459	310	4	
48,0	470	321	4	
49,0	470	321	4	
50,0	470	321	4	

M | 60° P | HSS | DIN 352 | ISO 2 6H | C 2 - 3 | ≥1,5d1 | ≥2d1



z=Ağız sayısı



HSS
3'lü takım

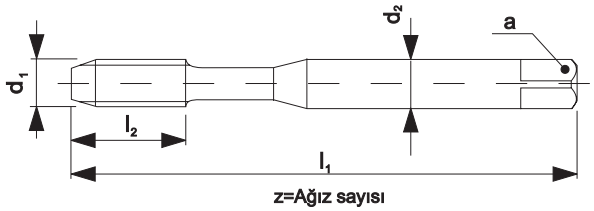
EL TAKIM KILAVUZU DIN352							HSS
							KRN.352
d_1	P	l_1	l_2	d_2	a	z	MATKAP ÇAPI Ø mm
M3	0,5	40	9	3,5	2,7	3	2,5
M4	0,7	45	12	4,5	3,4	3	3,3
M5	0,8	50	13	6	4,9	3	4,2
M6	1	56	15	6	4,9	3	5
M8	1,25	63	18	6	4,9	3	6,8
M10	1,5	70	20	7	5,5	3	8,5
M12	1,75	75	23	9	7	3	10,2
M14	2	80	25	11	9	4	12
M16	2	80	25	12	9	4	14
M18	2,5	95	30	14	11	4	15,5
M20	2,5	95	30	16	12	4	17,5

HSS → Yüksek hız çeliği

ANA KULLANIM
- Kolay işlenir çelikler(max. 800N/mm²)
- Yalın dökme demir (max. 800N/mm²)

ARA KULLANIM
- Yapısal çelikler (max. 500N/mm²)

M | 60° P | DIN 13 | HSS | DIN 371 | ISO 2 6H | B 3,5 - 6 | >1,5d1



z=Ağız sayısı



HSS TiN

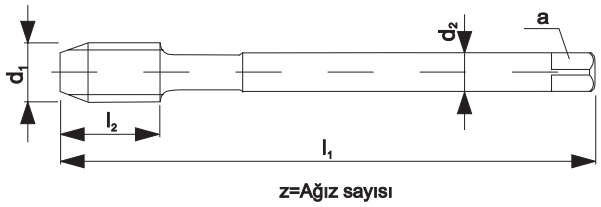
MAKİNA KILAVUZU DIN 371B DÜZ KANAL UÇ BİLEMELİ								HSS TiN
								KRN.371B
d_1	P	l_1	l_2	d_2	a	z	MATKAP ÇAPI Ø mm	FİYAT USD
M3	0,5	56	9	3,5	2,7	3	2,5	
M4	0,7	63	12	4,5	3,4	3	3,3	
M5	0,8	70	13	6	4,9	3	4,2	
M6	1	90	15	6	4,9	3	5	
M8	1,25	90	18	8	6,2	3	6,8	
M10	1,5	100	20	10	8	3	8,5	

HSS → Yüksek hız çeliği

TiN → Titanyum nitrür

ANA KULLANIM
- Kolay işlenir çelikler (max. 800N/mm²)
- Yapısal çelikler (max. 500N/mm²)
- Yüksek kesme hızı

M | 60° P | DIN 13 | HSS | DIN 376 | ISO 2 6H | B 3,5 - 6 | >1,5d1



z=Ağız sayısı



HSS TiN

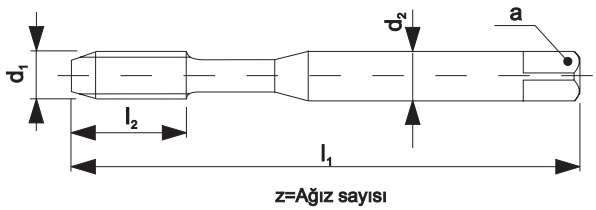
MAKİNA KILAVUZU DIN 376B DÜZ KANAL UÇ BİLEMELİ								HSS TiN
								KRN.376B
d_1	P	l_1	l_2	d_2	a	z	MATKAP ÇAPI Ø mm	FİYAT USD
M12	1,75	110	23	9	7	3	10,2	
M14	2	110	25	11	9	3	12	
M16	2	110	25	12	9	3	14	
M18	2,5	125	30	14	11	3	15,5	
M20	2,5	140	30	16	12	3	17,5	

HSS → Yüksek hız çeliği

TiN → Titanyum nitrür

ANA KULLANIM
- Kolay işlenir çelikler (max. 800N/mm²)
- Yapısal çelikler (max. 500N/mm²)
- Yüksek kesme hızı

M | 60° P | DIN 13 | HSS | DIN 371 | ISO 2 6H | C 2 - 3 | 35° | V 2d1



z=Ağız sayısı



HSS TiN

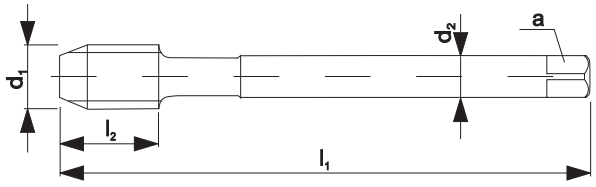
MAKİNA KILAVUZU DIN 371C 35 DERECE HELİS							HSS TiN KRN.371C	
d_1	P	l_1	l_2	d_2	a	z	MATKAP ÇAPI Ø mm	FİYAT USD
M3	0,5	56	5	3,5	2,7	3	2,5	
M4	0,7	63	7	4,5	3,4	3	3,3	
M5	0,8	70	8	6	4,9	3	4,2	
M6	1	80	10	6	4,9	3	5	
M8	1,25	90	13	8	6,2	3	6,8	
M10	1,5	100	15	10	8	3	8,5	

HSS → Yüksek hız çeliği

TiN → Titanyum nitrür

ANA KULLANIM
- Kolay işlenir çelikler (max. 800N/mm²)
- Yapısal çelikler (max. 500N/mm²)
- Yüksek kesme hızı

M | 60° P | DIN 13 | HSS | DIN 376 | ISO 2 6H | C 2 - 3 | 35° | V 2d1



z=Ağız sayısı



HSS TiN

MAKİNA KILAVUZU DIN 376C 35 DERECE HELİS							HSS TiN KRN.376C	
d_1	P	l_1	l_2	d_2	a	z	MATKAP ÇAPI Ø mm	FİYAT USD
M12	1,75	110	18	9	7	3	10,2	
M14	2	110	20	11	9	3	12	
M16	2	110	20	12	9	4	14	
M18	2,5	125	25	14	11	4	15,5	
M20	2,5	140	25	16	12	4	17,5	

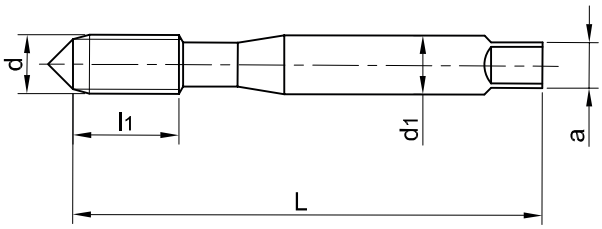
HSS → Yüksek hız çeliği

TiN → Titanyum nitrür

ANA KULLANIM
- Kolay işlenir çelikler (max. 800N/mm²)
- Yapısal çelikler (max. 500N/mm²)
- Yüksek kesme hızı

KARBÜR MAKİNA KILAVUZU







HM

d	p	L	l1	d1	a	z	MATKAP ÇAPI Ø mm	FİYAT USD
M3	0,5	56	11	3,5	2,7	3	2,5	
M4	0,7	63	13	4,5	3,4	3	3,3	
M5	0,8	70	16	6	4,9	3	4,2	
M6	1	80	19	6	4,9	3	5	
M8	1,25	90	22	8	6,2	3	6,8	
M10	1,5	100	24	10	8	3	8,5	
DIN376								
M12	1,75	110	29	9	7	3	10,2	
M16	2	110	25	11	9	3	14	

19 PARÇA MATKAP UCU SETİ HSS



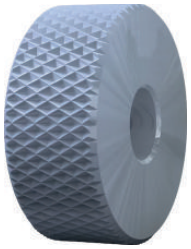
KOD	ÖLÇÜ	FİYAT USD
KRN338S	1-10mmx0,5 HSS	

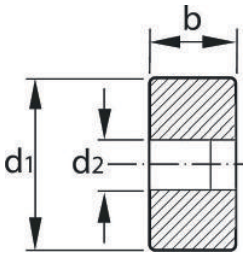
19 PARÇA MATKAP UCU SETİ HSSCO5



KOD	ÖLÇÜ	FİYAT USD
KRN338SCO5	1-10mmx0,5 HSSCO5	

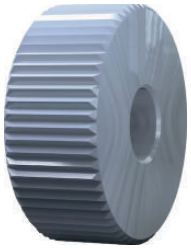
BAKLAVA TIRTIR

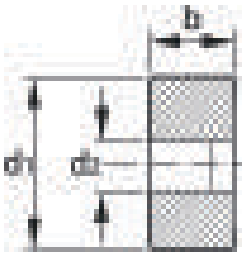




KOD	d1	d2	b	FİYAT USD
KRN.40306B	20	6	10	
KRN.40308B	20	6	10	
KRN.40310B	20	6	10	
KRN.40312B	20	6	10	
KRN.40316B	20	6	10	
KRN.40318B	20	6	10	
KRN.40320B	20	6	10	

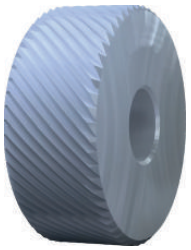
DÜZ TIRTIR

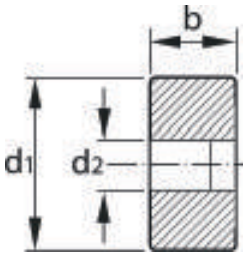




KOD	d1	d2	b	FİYAT USD
KRN.40306D	20	6	10	
KRN.40308D	20	6	10	
KRN.40310D	20	6	10	
KRN.40312D	20	6	10	
KRN.40316D	20	6	10	
KRN.40318D	20	6	10	
KRN.40320D	20	6	10	

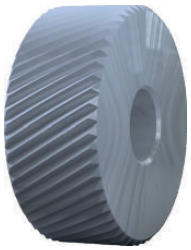
SAĞ TIRTIR

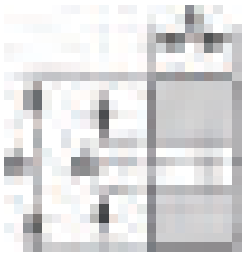




KOD	d1	d2	b	FİYAT USD
KRN.40306R	20	6	10	
KRN.40308R	20	6	10	
KRN.40310R	20	6	10	
KRN.40312R	20	6	10	
KRN.40316R	20	6	10	
KRN.40318R	20	6	10	
KRN.40320R	20	6	10	

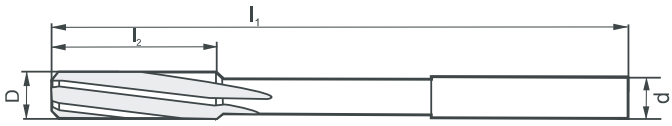
SOL TIRTIR





KOD	d1	d2	b	FİYAT USD
KRN.40306L	20	6	10	
KRN.40308L	20	6	10	
KRN.40310L	20	6	10	
KRN.40312L	20	6	10	
KRN.40316L	20	6	10	
KRN.40318L	20	6	10	
KRN.40320L	20	6	10	

HSS | H7 | DIN 212D | 7-8°





D H7 (mm)	l1 (mm)	l2 (mm)	d (mm)	FİYAT USD
2,00	49	11	2	
2,50	57	14	2,5	
3,00	61	15	3	
3,50	70	18	3,5	
4,00	75	19	4	
4,50	80	21	4,5	
5,00	86	23	5	
5,50	93	26	5,5	
6,00	93	26	6	
6,50	101	28	6,5	
7,00	109	31	7	
8,00	117	33	8	
9,00	125	36	9	
10,00	133	38	10	
11,00	142	41	10	
12,00	151	44	10	
13,00	151	44	10	
14,00	160	47	12,5	
15,00	162	50	12,5	
16,00	170	52	12,5	
17,00	175	54	14	
18,00	182	56	14	
19,00	189	58	16	
20,00	195	60	16	
21,00	215	55	18	
22,00	225	55	18	
23,00	230	60	18	
24,00	240	60	20	
25,00	245	60	20	
26,00	250	60	20	
27,00	260	60	22	
28,00	270	65	22	
29,00	270	65	22	
30,00	280	70	24	
31,00	290	75	24	

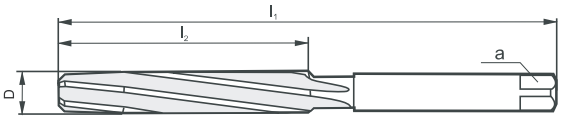
HSS | H7 | DIN 208B | 7-8° | MK1-4





D H7 (mm)	l1 (mm)	l2 (mm)	MK	FİYAT USD
6,00	138	26	1	
7,00	150	31	1	
8,00	156	33	1	
9,00	162	36	1	
10,00	168	38	1	
11,00	175	41	1	
12,00	182	44	1	
13,00	182	44	1	
14,00	189	47	1	
15,00	204	50	2	
16,00	210	52	2	
17,00	214	54	2	
18,00	219	56	2	
19,00	223	58	2	
20,00	228	60	2	
21,00	232	62	2	
22,00	237	64	2	
23,00	241	66	2	
24,00	268	68	3	
25,00	268	68	3	
26,00	273	70	3	
27,00	277	71	3	
28,00	277	71	3	
29,00	281	73	3	
30,00	281	73	3	
31,00	285	75	3	
32,00	317	77	4	
33,00	317	77	4	
34,00	321	78	4	
35,00	321	78	4	
36,00	325	79	4	
37,00	329	81	4	
38,00	329	81	4	
39,00	329	81	4	
40,00	329	81	4	
41,00	333	82	4	
42,00	333	82	4	
43,00	333	82	4	
44,00	336	83	4	
45,00	336	83	4	
46,00	340	84	4	
47,00	340	84	4	
48,00	344	86	4	
49,00	344	86	4	
50,00	344	86	4	

HSS | H7 | DIN 206B | 7-8°

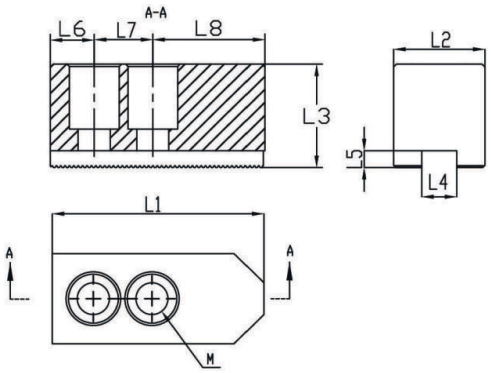




D H7 (mm)	l1 (mm)	l2 (mm)	a (mm)	FİYAT USD
2,00	50	25	1,5	
2,50	58	29	2	
3,00	62	31	2	
3,50	71	35	2,65	
4,00	76	38	3	
4,50	81	41	3,2	
5,00	87	44	4	
5,50	93	47	4,5	
6,00	93	47	4,5	
6,50	100	50	5	
7,00	107	54	5,5	
7,50	107	54	5,5	
8,00	115	58	6	
8,50	115	58	6	
9,00	124	62	7	
9,50	124	62	7	
10,00	133	66	8	
11,00	142	71	9	
12,00	152	76	10	
13,00	152	76	10	
14,00	163	81	11	
15,00	163	81	11	
16,00	175	87	12	
17,00	175	87	12	
18,00	188	93	14	
19,00	188	93	14	
20,00	201	100	16	
21,00	201	100	16	
22,00	215	107	18	
23,00	215	107	18	
24,00	231	115	20	
25,00	231	115	20	
26,00	231	115	20	
27,00	247	124	22	
28,00	247	124	22	
29,00	247	124	22	
30,00	247	124	22	
31,00	265	133	24	
32,00	265	133	24	
33,00	265	133	24	
34,00	284	142	28	
35,00	284	142	28	

YUMUŞAK AYAKLAR





KOD	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	L8 (mm)	M	DİŞ HATVESİ	FİYAT USD
KRN.SJ05	54	25	30	10	5	9	14	31	M8	1.5x60°	
KRN.SJ06	73	31	36	12	5	15	20	31	M10		
KRN.SJ08	95	35	37	14	5	25	25	46	M12		
KRN.SJ10	110	40	42	16	5	30	30	50	M12		
KRN.SJ12	130	50	50	21	5	39	30	61	M14		
KRN.SJ12-1	130	50	50	18	5	39	30	61	M16		
KRN.SJ15	165	62	62	22	8	37	85	85	M20		
KRN.SJ15-1	165	62	62	25.5	5	37	85	85	M20		

BORU YAĞ HORTUMLARI



DÜZ UÇLU

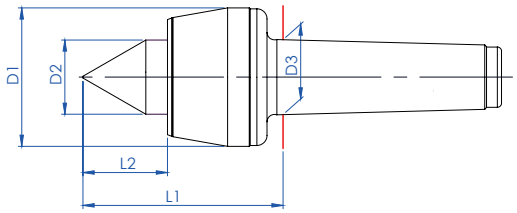


YUVARLAK UÇLU

KOD	P (DİŞ ÖLÇÜSÜ)	TAM BOY (mm)	FİYAT USD
KRN310.1/4Y	1/4-19"	330	
KRN310.3/8Y	3/8-19"	330	
KRN310.1/2Y	1/2-14"	330	
KRN310.1/4D	1/4-19"	330	
KRN310.3/8D	3/8-19"	330	
KRN310.1/2D	1/2-14"	330	

DÖNER PUNTA NORMAL UÇLU

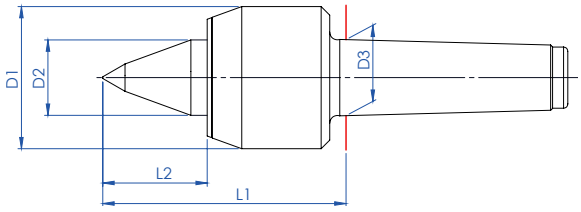




KOD	KONİK	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	DEVİR d/d (max)	PARÇA AĞIRLIĞI Kg (max)	FİYAT USD
KRN.102	MK2	45	25	17.780	129.6	28.6	5000	400	
KRN.103	MK3	52	28	23.825	160.2	32	4500	800	
KRN.104	MK4	60	32	31.267	191.7	36.5	3500	1250	
KRN.105	MK5	80	45	44.399	244.5	50.8	3000	1500	
KRN.106	MK6	130	75	63.348	350	74.8	2500	1800	

DÖNER PUNTA KOPYE UÇLU (CNC TİP)

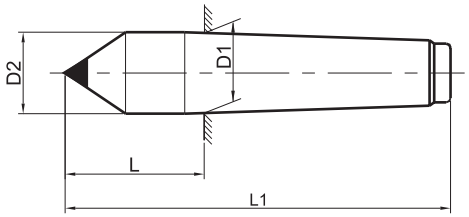




KOD	KONİK	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	DEVİR d/d (max)	PARÇA AĞIRLIĞI Kg (max)	FİYAT USD
KRN.143	MK3	60	25	23.825	176.5	47	5000	400	
KRN.144	MK4	70	32	31.267	217	53	3800	500	
KRN.145	MK5	90	40	44.399	273	65	3000	1200	

SABİT PUNTA ELMAS UÇLU

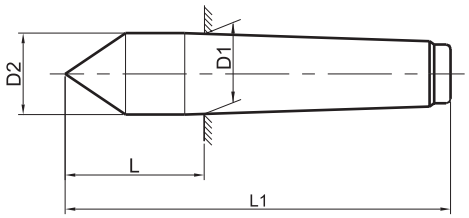




KOD	KONİK	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	FİYAT USD
KRN.122	MK2	17.780	18	36	100	
KRN.123	MK3	23.825	24.1	44	125	
KRN.124	MK4	31.267	31.6	57.5	160	
KRN.125	MK5	44.399	44.7	70.5	200	
KRN.126	MK6	63.348	63.8	88	270	

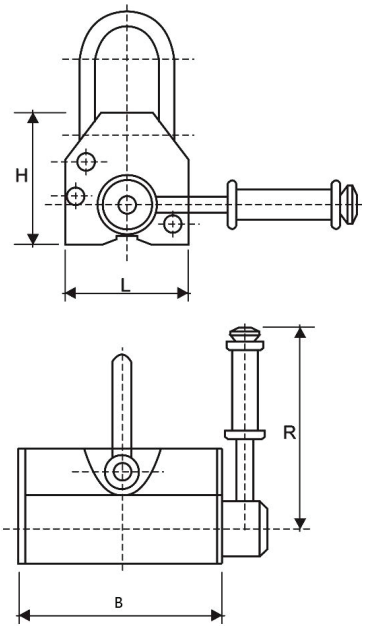
SABİT PUNTA NORMAL UÇLU





KOD	KONİK	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	FİYAT USD
KRN.111	MK1	12.065	14	25	80	
KRN.112	MK2	17.780	18	36	100	
KRN.113	MK3	23.825	24.1	44	125	
KRN.114	MK4	31.267	31.6	57.5	160	
KRN.115	MK5	44.399	44.7	70.5	200	
KRN.116	MK6	63.348	63.8	88	270	





KOD	KAPASİTE (Kg)	B (mm)	R (mm)	L (mm)	H (mm)	AĞIRLIK (Kg)	FİYAT USD
C991-0100	100	70	180	50	70	7	
C991-0300	300	165	210	85	95	11	
C991-0600	600	215	250	108	120	21	
C991-1000	1000	262	280	143	140	38	
C991-2000	2000	345	365	150	165	65	
C991-3000	3000	420	480	150	160	100	
C991-5000	5000	480	700	210	210	145	



YEDEK KOL

KOD	KAPASİTE (Kg)	FİYAT USD
C990-0100K	100	
C990-0300K	300	
C990-0600K	600	
C990-1000K	1000	
C990-2000K	2000	
C990-3000K	3000	
C990-5000K	5000	