



Търговия с металоурежещи,
измервателни и ръчни инструменти.
Екипировка за машини. Менгемета.



К а т а л о г
2017/18

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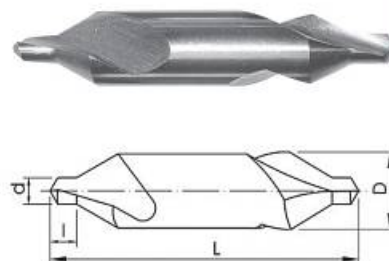
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ЦЕНТРОВИ СВРЕДЕЛИ

Центрови свредла 60° с шлифовани канали, DIN 333, Форма А

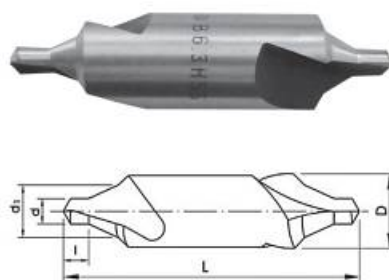
d k12 mm	l mm	D h9 mm	L mm	кат. N	цена, лв.	
					HSS	HSSE
1	1.3	3.15	31.5	8351 1		
1.25	1.6	3.15	31.5	8351 1.25		
1.6	2	4	35.5	8351 1.6		
2	2.5	5	40	8351 2		
2.5	3.1	6.3	45	8351 2.5		
3.15	3.9	8	50	8351 3.15		
4	5	10	56	8351 4		
5	6.3	12.5	63	8351 5		
6.3*	8	16	71	8351 6.3		
8*	10.1	20	80	8351 8		
10*	12.8	25	100	8351 10		



*Изработват се с фрезовани канали

Центрови свредла 60° с шлифовани канали, DIN 333, Форма В

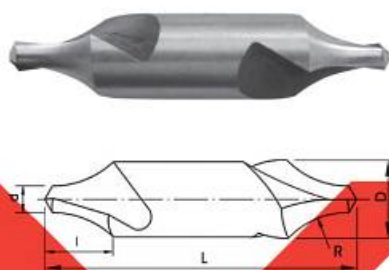
d k12 mm	l mm	D h9 mm	d ₁ mm	L mm	кат. N	цена, лв.	
						HSS	HSSE
1	1.3	4	2.12	35.5	8352 1		
1.25	1.6	5	2.65	40	8352 1.25		
1.6	2	6.3	3.35	45	8352 1.6		
2	2.5	8	4.25	50	8352 2		
2.5	3.1	10	5.3	56	8352 2.5		
3.15	3.9	11.2	6.7	60	8352 3.15		
4*	5	14	8.5	67	8352 4		
5*	6.3	18	10.6	75	8352 5		
6.3*	8	20	13.2	80	8352 6.3		
8*	10.1	25	17	100	8352 8		
10*	12.8	31.2	21.2	125	8352 10		



*Изработват се с фрезовани канали

Центрови свредла 60° с шлифовани канали, DIN 333, Форма R

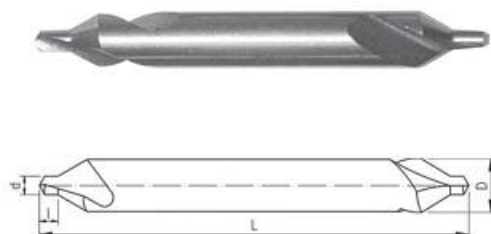
d k12 mm	l mm	D h9 mm	R mm		L mm	кат. N	цена, лв.	
			max	min			HSS	HSSE
1	3	3.15	3.13	2.5	31.5	8353 1		
1.25	3.35	3.15	4	3.15	31.5	8353 1.25		
1.6	4.25	4	5	4	35.5	8353 1.6		
2	5.3	5	6.3	5	40	8353 2		
2.5	6.7	6.3	8	6.3	45	8353 2.5		
3.15	8.5	8	10	8	50	8353 3.15		
4	10.6	10	12.5	10	56	8353 4		
5	13.2	12.5	16	12.5	63	8353 5		
6.3*	17	16	20	16	71	8353 6.3		
8*	21.2	20	25	20	80	8353 8		
10*	26.5	25	31.5	20	100	8353 10		



*Изработват се с фрезовани канали

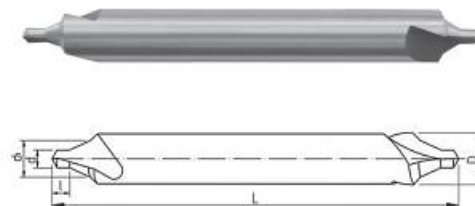
Центрови свредла 60°, Удължени, Форма А

d k12 mm	l mm	D h9 mm	L mm	кат. N	цена, лв.	
					HSS	HSSE
1	1.3	3.15	60	83611 1		
1.25	1.6	3.15	60	83611 1.25		
1.6	2	4	60	83611 1.6		
1	1.3	3.15	80	83612 1		
1.25	1.6	3.15	80	83612 1.25		
1.6	2	4	80	83612 1.6		
2	2.5	5	80	836112 2		
2.5	3.1	6.3	80	83612 2.5		
3.15	3.9	8	80	83612 3.15		
1.6	2	4	100	83613 1.6		
2	2.5	5	100	83613 2		
2.5	3.1	6.3	100	83613 2.5		
3.15	3.9	8	100	83613 3.15		
4	5	10	100	83613 4		
5	6.3	12.5	100	83613 5		
1.6	2	4	120	83614 1.6		
2	2.5	5	120	83614 2		
2.5	3.1	6.3	120	83614 2.5		
3.15	3.9	8	120	83614 3.15		
4	5	10	120	83614 4		
5	6.3	12.5	120	83614 5		



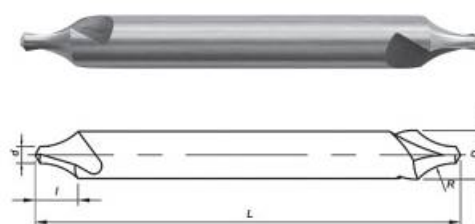
Центрови свредла 60°, Удължени, Форма В

d k12 mm	l mm	D h9 mm	d ₁ k12 mm	L mm	кат. N	цена, лв.	
						HSS	HSSE
1	1.3	4	2.12	80	8372 1		
1.25	1.6	5	2.65	80	8372 1.25		
1.6	2	6.3	3.35	120	8372 1.6		
2	2.5	8	4.25	120	8372 2		
2.5	3.1	10	5.3	120	8372 2.5		
3.15	3.9	11.2	6.7	120	8372 3.15		



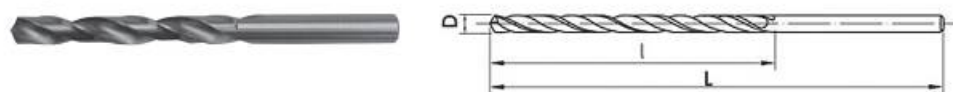
Центрови свредла 60°, Удължени, Форма R

d k12 mm	l mm	D h9 mm	R mm		L mm	кат. N	цена, лв.	
			max	min			HSS	HSSE
1	3	3.15	3.13	2.5	80	8373 1		
1.25	3.35	3.15	4	3.15	80	8373 1.25		
1.6	4.25	4	5	4	100	8373 1.6		
2	5.3	5	6.3	5	100	8373 2		
2.5	6.7	6.3	8	6.3	100	8373 2.5		
3.15	8.5	8	10	8	120	8373 3.15		
4	10.6	10	12.5	10	120	8373 4		
5	13.2	12.5	16	12.5	120	8373 5		



СВРЕДЕЛИ

Свредели спирални, DIN 338, Тип N, H, W



свредели

d mm	L mm	l mm	кат. N	цена, лв.		d mm	L mm	l mm	кат. N	цена, лв.		d mm	L mm	l mm	кат. N	цена, лв.	
				HSS	HSSE					HSS	HSSE					HSS	HSSE
1	40	20	831 1			4.9	86	52	831 4.9			9	125	81	831 9		
1.5	40	20	831 1.5			5	86	52	831 5			9.1	125	81	831 9.1		
2	49	24	831 2			5.1	86	52	831 5.1			9.2	125	81	831 9.2		
2.05	49	24	831 2.05			5.2	86	52	831 5.2			9.3	125	81	831 9.3		
2.1	49	24	831 2.1			5.3	86	52	831 5.3			9.4	125	81	831 9.4		
2.15	53	27	831 2.15			5.4	93	57	831 5.4			9.5	125	81	831 9.5		
2.2	53	27	831 2.2			5.5	93	57	831 5.5			9.6	133	81	831 9.6		
2.25	53	27	831 2.25			5.6	93	57	831 5.6			9.7	133	81	831 9.7		
2.3	53	27	831 2.3			5.7	93	57	831 5.7			9.8	133	81	831 9.8		
2.35	53	27	831 2.35			5.8	93	57	831 5.8			9.9	133	81	831 9.9		
2.4	57	30	831 2.4			5.9	93	57	831 5.9			10	133	81	831 10		
2.45	57	30	831 2.45			6	93	57	831 6			10.1	133	81	831 10.1		
2.5	57	30	831 2.5			6.1	101	63	831 6.1			10.2	133	81	831 10.2		
2.55	57	30	831 2.55			6.2	101	63	831 6.2			10.3	133	81	831 10.3		
2.6	57	30	831 2.6			6.3	101	63	831 6.3			10.4	133	81	831 10.4		
2.65	57	30	831 2.65			6.4	101	63	831 6.4			10.5	133	81	831 10.5		
2.7	61	33	831 2.7			6.5	101	63	831 6.5			10.6	133	81	831 10.6		
2.75	61	33	831 2.75			6.6	101	63	831 6.6			10.7	142	94	831 10.7		
2.8	61	33	831 2.8			6.7	101	63	831 6.7			10.8	142	94	831 10.8		
2.85	61	33	831 2.85			6.8	109	69	831 6.8			10.9	142	94	831 10.9		
2.9	61	33	831 2.9			6.9	109	69	831 6.9			11	142	94	831 11		
2.95	61	33	831 2.95			7	109	69	831 7			11.1	142	94	831 11.1		
3	61	33	831 3			7.1	109	69	831 7.1			11.2	142	94	831 11.2		
3.1	65	36	831 3.1			7.2	109	69	831 7.2			11.3	142	94	831 11.3		
3.2	65	36	831 3.2			7.3	109	69	831 7.3			11.4	142	94	831 11.4		
3.3	65	36	831 3.3			7.4	109	69	831 7.4			11.5	142	94	831 11.5		
3.4	70	39	831 3.4			7.5	109	69	831 7.5			11.6	142	94	831 11.6		
3.5	70	39	831 3.5			7.6	117	75	831 7.6			11.7	142	94	831 11.7		
3.6	70	39	831 3.6			7.7	117	75	831 7.7			11.8	142	94	831 11.8		
3.7	70	39	831 3.7			7.8	117	75	831 7.8			11.9	151	101	831 11.9		
3.8	75	43	831 3.8			7.9	117	75	831 7.9			12	151	101	831 12		
3.9	75	43	831 3.8			8	117	75	831 8			12.1	151	101	831 12.1		
4	75	43	831 4			8.1	117	75	831 8.1			12.2	151	101	831 12.2		
4.1	75	43	831 4.1			8.2	117	75	831 8.2			12.3	151	101	831 12.3		
4.2	75	43	831 4.2			8.3	117	75	831 8.3			12.4	151	101	831 12.4		
4.3	80	47	831 4.3			8.4	117	75	831 8.4			12.5	151	101	831 12.5		
4.4	80	47	831 4.4			8.5	117	75	831 8.5			12.6	151	101	831 12.6		
4.5	80	47	831 4.5			8.6	125	81	831 8.6			12.7	151	101	831 12.7		
4.6	80	47	831 4.6			8.7	125	81	831 8.7			12.8	151	101	831 12.8		
4.7	80	47	831 4.7			8.8	125	81	831 8.8			12.9	151	101	831 12.9		
4.8	86	52	831 4.8			8.9	125	81	831 8.9			13	151	101	831 13		

Свредели спирални дълги, DIN 340, Тип N, H, W



d mm	L mm	l mm	кат. N	цена, лв.	
				HSS	HSSE
2	85	56	8314 2		
3.1	106	69	8314 3.1		
3.2	106	69	8314 3.2		
2.1	85	56	8314 2.1		
3.3	106	69	8314 3.3		
3.4	112	73	8314 3.4		
2.2	90	59	8314 2.2		
3.5	112	73	8314 3.5		
3.6	112	73	8314 3.6		
2.3	90	59	8314 2.3		
3.7	112	73	8314 3.7		
3.8	119	78	8314 3.8		
2.4	95	62	8314 2.4		
3.9	119	78	8314 3.9		
4	119	78	8314 4		
2.5	95	62	8314 2.5		
2.6	95	62	8314 2.6		
2.7	100	66	8314 2.7		
2.8	100	66	8314 2.8		
2.9	100	66	8314 2.9		
3	100	66	8314 3		
4.1	119	78	8314 4.1		
4.2	119	78	8314 4.2		
4.3	126	82	8314 4.3		
4.4	126	82	8314 4.4		
4.5	126	82	8314 4.5		
4.6	126	82	8314 4.6		
4.7	126	82	8314 4.7		
4.8	132	87	831 4.8		
4.9	132	87	831 4.9		
5	132	87	8314 5		
5.1	132	87	8314 5.1		
5.2	132	87	8314 5.2		
5.3	132	87	8314 5.3		
5.4	139	91	8314 5.4		
5.5	139	91	8314 5.5		
5.6	139	91	8314 5.6		
5.7	139	91	8314 5.7		
5.8	139	91	8314 5.8		
5.9	139	91	8314 5.9		
6	139	91	8314 6		
6.1	148	97	8314 6.1		
6.2	148	97	8314 6.2		
6.3	148	97	8314 6.3		
6.4	148	97	8314 6.4		
6.5	148	97	8314 6.5		
6.6	148	97	8314 6.6		
6.7	148	97	8314 6.7		
6.8	156	102	8314 6.8		
6.9	156	102	8314 6.9		
7	156	102	8314 7		
7.1	156	102	8314 7.1		
7.2	156	102	8314 7.2		
7.3	156	102	8314 7.3		
7.4	156	102	8314 7.4		
7.5	156	102	8314 7.5		
7.6	165	109	8314 7.6		
7.7	165	109	8314 7.7		
7.8	165	109	8314 7.8		
7.9	165	109	8314 7.9		
8	165	109	8314 8		
8.1	165	109	8314 8.1		
8.2	165	109	8314 8.2		
8.3	165	109	8314 8.3		
8.4	165	109	8314 8.4		
8.5	165	109	8314 8.5		
8.6	175	115	8314 8.6		
8.7	175	115	8314 8.7		
8.8	175	115	8314 8.8		
8.9	175	115	8314 8.9		
9	175	115	8314 9		
9.1	175	115	8314 9.1		
9.2	175	115	8314 9.2		
9.3	175	115	8314 9.3		
9.4	175	115	8314 9.4		
9.5	175	115	8314 9.5		
9.6	184	121	8314 9.6		
9.7	184	121	8314 9.7		
9.8	184	121	8314 9.8		
9.9	184	121	8314 9.9		
10	184	121	8314 10		
10.1	184	121	8314 10.1		
10.2	184	121	8314 10.2		
10.3	184	121	8314 10.3		
10.4	184	121	8314 10.4		
10.5	184	121	8314 10.5		
10.6	184	121	8314 10.6		
10.7	195	128	8314 10.7		
10.8	195	128	8314 10.8		
10.9	195	128	8314 10.9		
11	195	128	8314 11		
11.1	195	128	8314 11.1		
11.2	195	128	8314 11.2		
11.3	195	128	8314 11.3		
11.4	195	128	8314 11.4		
11.5	195	128	8314 11.5		
11.6	195	128	8314 11.6		
11.7	195	128	8314 11.7		
11.8	195	128	8314 11.8		
11.9	205	134	8314 11.9		
12	205	134	8314 12		
12.1	205	134	8314 12.1		
12.2	205	134	8314 12.2		
12.3	205	134	8314 12.3		
12.4	205	134	8314 12.4		
12.5	205	134	8314 12.5		
12.6	205	134	8314 12.6		
12.7	205	134	8314 12.7		
12.8	205	134	8314 12.8		
12.9	205	134	8314 12.9		
13	205	134	8314 13		

Свредели спирални свръхдълги, DIN 1869



свредели

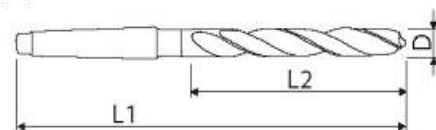
D h8 mm	Изпълнение											
	I				II				III			
	l mm	L mm	кат. N	цена лв.	l mm	L mm	кат. N	цена лв.	l mm	L mm	кат. N	цена лв.
2	85	125	8321 2									
2.1	85	125	8321 2.1									
2.2	90	135	8321 2.2									
2.3	90	135	8321 2.2									
2.4	95	140	8321 2.4									
2.5	95	140	8321 2.5									
2.6	95	140	8321 2.6									
2.7	95	140	8321 2.7									
2.8	100	150	8321 2.8		130	190	8322 2.8					
2.9	100	150	8321 2.9		130	190	8322 2.9					
3	100	150	8321 3		130	190	8322 3					
3.1	105	155	8321 3.1		135	200	8322 3.1					
3.2	105	155	8321 3.2		135	200	8322 3.2					
3.3	105	155	8321 3.3		135	200	8322 3.3					
3.4	105	155	8321 3.4		135	200	8322 3.4					
3.5	115	165	8321 3.5		140	210	8322 3.5		180	265	8323 3.5	
3.6	115	165	8321 3.6		140	210	8322 3.6		180	265	8323 3.6	
3.7	115	165	8321 3.7		140	210	8322 3.7		180	265	8323 3.7	
3.8	120	175	8321 3.8		150	220	8322 3.8		190	280	8323 3.8	
3.9	120	175	8321 3.9		150	220	8322 3.9		190	280	8323 3.9	
4	120	175	8321 4		150	220	8322 4		190	280	8323 4	
4.1	120	175	8321 4.1		150	220	8322 4.1		190	280	8323 4.1	
4.2	120	175	8321 4.2		150	220	8322 4.2		190	280	8323 4.2	
4.3	125	185	8321 4.3		160	230	8322 4.3		200	295	8323 4.3	
4.4	125	185	8321 4.4		160	230	8322 4.4		200	295	8323 4.4	
4.5	125	185	8321 4.5		160	230	8322 4.5		200	295	8323 4.5	
4.6	125	185	8321 4.6		160	230	8322 4.6		200	295	8323 4.6	
4.7	125	185	8321 4.7		160	230	8322 4.7		200	295	8323 4.7	
4.8	135	195	8321 4.8		170	245	8322 4.8		210	315	8323 4.8	
4.9	135	195	8321 4.9		170	245	8322 4.9		210	315	8323 4.9	
5	135	195	8321 5		170	245	8322 5		210	315	8323 5	
5.1	135	195	8321 5.1		170	245	8322 5.1		210	315	8323 5.1	
5.2	135	195	8321 5.2		170	245	8322 5.2		210	315	8323 5.2	
5.3	135	195	8321 5.3		170	245	8322 5.3		210	315	8323 5.3	
5.4	140	205	8321 5.4		180	260	8322 5.4		225	330	8323 5.4	
5.5	140	205	8321 5.5		180	260	8322 5.5		225	330	8323 5.5	
5.6	140	205	8321 5.6		180	260	8322 5.6		225	330	8323 5.6	
5.7	140	205	8321 5.7		180	260	8322 5.7		225	330	8323 5.7	
5.8	140	205	8321 5.8		180	260	8322 5.8		225	330	8323 5.8	
5.9	140	205	8321 5.9		180	260	8322 5.9		225	330	8323 5.9	
6	140	205	8321 6		180	260	8322 6		225	330	8323 6	
6.1	150	215	8321 6.1		190	275	8322 6.1		235	350	8323 6.1	

D h8 mm	Изпълнение											
	I				II				III			
	l mm	L mm	кат. N	цена лв.	l mm	L mm	кат. N	цена лв.	l mm	L mm	кат. N	цена лв.
6.2	150	215	8321 6.2		190	275	8322 6.2		235	350	8323 6.2	
6.3	150	215	8321 6.3		190	275	8322 6.3		235	350	8323 6.3	
6.4	150	215	8321 6.4		190	275	8322 6.4		235	350	8323 6.4	
6.5	150	215	8321 6.5		190	275	8322 6.5		235	350	8323 6.5	
6.6	150	215	8321 6.6		190	275	8322 6.6		235	350	8323 6.6	
6.7	150	215	8321 6.7		190	275	8322 6.7		235	350	8323 6.7	
6.8	155	225	8321 6.8		200	290	8322 6.8		250	370	8323 6.8	
6.9	155	225	8321 6.9		200	290	8322 6.9		250	370	8323 6.9	
7	155	225	8321 7		200	290	8322 7		250	370	8323 7	
7.1	155	225	8321 7.1		200	290	8322 7.1		250	370	8323 7.1	
7.2	155	225	8321 7.2		200	290	8322 7.2		250	370	8323 7.2	
7.3	155	225	8321 7.3		200	290	8322 7.3		250	370	8323 7.3	
7.4	155	225	8321 7.4		200	290	8322 7.4		250	370	8323 7.4	
7.5	155	225	8321 7.5		200	290	8322 7.5		250	370	8323 7.5	
7.6	165	240	8321 7.6		210	305	8322 7.6		265	390	8323 7.6	
7.7	165	240	8321 7.7		210	305	8322 7.7		265	390	8323 7.7	
7.8	165	240	8321 7.8		210	305	8322 7.8		265	390	8323 7.8	
7.9	165	240	8321 7.9		210	305	8322 7.9		265	390	8323 7.9	
8	165	240	8321 8		210	305	8322 8		265	390	8323 8	
8.1	165	240	8321 8.1		210	305	8322 8.1		265	390	8323 8.1	
8.2	165	240	8321 8.2		210	305	8322 8.2		265	390	8323 8.2	
8.3	165	240	8321 8.3		210	305	8322 8.3		265	390	8323 8.3	
8.4	165	240	8321 8.4		210	305	8322 8.4		265	390	8323 8.4	
8.5	165	240	8321 8.5		210	305	8322 8.5		265	390	8323 8.5	
8.6	175	250	8321 8.6		220	320	8322 8.6		280	410	8323 8.6	
8.7	175	250	8321 8.7		220	320	8322 8.7		280	410	8323 8.7	
8.8	175	250	8321 8.8		220	320	8322 8.8		280	410	8323 8.8	
8.9	175	250	8321 8.9		220	320	8322 8.9		280	410	8323 8.9	
9	175	250	8321 9		220	320	8322 9		280	410	8323 9	
9.1	175	250	8321 9.1		220	320	8322 9.1		280	410	8323 9.1	
9.2	175	250	8321 9.2		220	320	8322 9.2		280	410	8323 9.2	
9.3	175	250	8321 9.3		220	320	8322 9.3		280	410	8323 9.3	
9.4	175	250	8321 9.4		220	320	8322 9.4		280	410	8323 9.4	
9.5	175	250	8321 9.5		220	320	8322 9.5		280	410	8323 9.5	
9.6	185	265	8321 9.6		235	340	8322 9.6		295	430	8323 9.6	
9.7	185	265	8321 9.7		235	340	8322 9.7		295	430	8323 9.7	
9.8	185	265	8321 9.8		235	340	8322 9.8		295	430	8323 9.8	
9.9	185	265	8321 9.9		235	340	8322 9.9		295	430	8323 9.9	
10	185	265	8321 10		235	340	8322 10		295	430	8323 10	
10.5	185	265	8321 10.5		235	340	8322 10.5		295	430	8323 10.5	
11	185	265	8321 11		235	340	8322 11		295	430	8323 11	
11.5	195	265	8321 11.5		235	340	8322 11.5		295	430	8323 11.5	
12	195	280	8321 12		240	350	8322 12		305	450	8323 12	
12.5	195	280	8321 12.5		240	350	8322 12.5		305	450	8323 12.5	
13	185	280	8321 13		240	350	8322 13		305	450	8323 13	

Свредели спирални с конусна опашка, DIN345 (0)

D mm	L1 mm	L2 mm	МК	цена лв.
7.5	150	69	1	
7.8	156	75	1	
8	156	75	1	
8.2	156	75	1	
8.5	156	75	1	
8.8	162	81	1	
9	162	81	1	
9.2	162	81	1	
9.5	162	81	1	
9.8	168	87	1	
10	168	87	1	
10.2	168	87	1	
10.5	168	87	1	
10.8	175	94	1	
11	175	94	1	
11.2	175	94	1	
11.5	175	94	1	
11.8	175	94	1	
12	182	101	1	
12.2	182	101	1	
12.5	182	101	1	
12.8	182	101	1	
13	182	101	1	
13.2	182	101	1	
13.5	189	108	1	
13.8	189	108	1	
14	189	108	1	
14.25	212	114	2	
14.5	212	114	2	
14.75	212	114	2	
15	212	114	2	
15.25	218	120	2	
15.5	218	120	2	
15.75	218	120	2	
16	218	120	2	
16.25	223	125	2	
16.5	223	125	2	
16.75	223	125	2	
17	223	125	2	
17.25	228	130	2	
17.5	228	130	2	
17.75	228	130	2	
18	228	130	2	
18.25	233	135	2	
18.5	233	135	2	
18.75	233	135	2	
19	233	135	2	
19.25	238	140	2	
19.5	238	140	2	
19.75	238	140	2	
20	238	140	2	
20.25	243	145	2	
20.5	243	145	2	
20.75	243	145	2	
21	243	145	2	
21.2	248	150	2	
21.5	253	155	2	
23.25	253	155	3	
23.5	253	155	3	
23.75	281	160	3	
24	281	160	3	
24.25	281	160	3	

D mm	L1 mm	L2 mm	МК	цена лв.
24.5	281	160	3	
24.75	281	160	3	
25	281	160	3	
25.25	286	165	3	
25.5	286	165	3	
25.75	286	165	3	
26	286	165	3	
26.25	286	165	3	
26.5	286	165	3	
26.75	291	170	3	
27	291	170	3	
27.25	291	170	3	
27.5	291	170	3	
27.75	291	170	3	
28	291	170	3	
28.25	296	175	3	
28.5	296	175	3	
28.75	296	175	3	
29	296	175	3	
29.25	296	175	3	
29.5	296	175	3	
29.75	296	175	3	
30	296	175	3	
30.25	301	180	3	
30.5	301	180	3	
30.75	301	180	3	
31	301	180	3	
31.25	301	180	3	
31.5	301	180	3	
31.75	306	185	3	
32	334	185	4	
32.5	334	185	4	
33	334	185	4	
33.5	334	185	4	
34	339	190	4	
34.5	339	190	4	
35	339	190	4	
35.5	339	190	4	
36	344	195	4	
36.5	344	195	4	
37	344	195	4	
37.5	344	195	4	
38	349	200	4	
38.5	349	200	4	
39	349	200	4	
39.5	349	200	4	
40	349	200	4	
40.5	354	205	4	
41	354	205	4	
41.5	354	205	4	
42	354	205	4	
42.5	354	205	4	
43	359	210	4	
43.25	359	210	4	
43.5	359	210	4	
43.75	359	210	4	
44	359	210	4	
44.25	359	210	4	
44.5	359	210	4	
44.75	359	210	4	
45	359	210	4	
45.25	359	210	4	

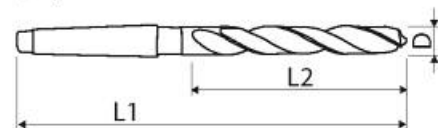


D mm	L1 mm	L2 mm	МК	цена лв.
45.5	359	210	4	
45.75	359	210	4	
48	369	220	4	
48.5	369	220	4	
49	369	220	4	
49.5	369	220	4	
50	369	220	4	
50.5	374	225	4	
51	412	225	5	
52	412	225	5	
53	412	225	5	
54	417	230	5	
55	417	230	5	
56	417	230	5	
57	422	235	5	
58	422	235	5	
59	422	235	5	
60	422	235	5	
61	427	240	5	
62	427	240	5	
63	427	240	5	
64	432	245	5	
65	432	245	5	
66	432	245	5	
67	432	245	5	
68	437	250	5	
69	437	250	5	
70	437	250	5	
71	437	250	5	
72	442	255	5	
73	442	255	5	
74	442	255	5	
75	442	255	5	
76	447	260	5	
77	514	260	6	
78	514	260	6	
79	514	260	6	
80	514	260	6	
81	519	265	6	
82	519	265	6	
83	519	265	6	
84	519	265	6	
85	519	265	6	
86	524	270	6	
87	524	270	6	
88	524	270	6	
89	524	270	6	
90	524	270	6	
91	529	275	6	
92	529	275	6	
93	529	275	6	
94	529	275	6	
95	529	275	6	
96	534	280	6	
97	534	280	6	
98	534	280	6	
99	534	280	6	
100	534	280	6	

Свредели спирални с конусна опашка, DIN1870 (2)

D mm	L1 mm	L2 mm	цена лв.
10	285	185	
10.5	285	185	
11	300	195	
11.5	300	195	
12	310	205	
12.5	310	205	
13	310	205	
13.5	325	220	
14	325	220	
14.5	340	220	
15	340	220	
15.5	355	230	
16	355	230	
16.5	355	230	
17	355	230	
17.5	370	245	
18	370	245	
18.5	370	245	
19	370	245	
19.5	385	260	
20	385	260	
20.5	385	260	

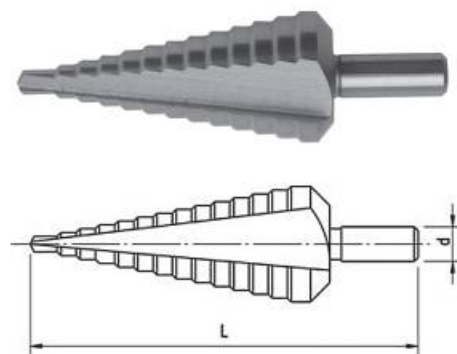
D mm	L1 mm	L2 mm	цена лв.
21	385	260	
21.5	405	270	
22	405	270	
22.5	405	270	
23	405	270	
23.5	405	270	
24	440	290	
24.5	440	290	
25	440	290	
25.5	440	290	
26	440	290	
26.5	440	290	
27	460	305	
27.5	460	305	
28	460	305	
28.5	460	305	
29	460	305	
29.5	460	305	
30	460	305	
30.5	480	320	
31	480	320	
31.5	480	320	



D mm	L1 mm	L2 mm	цена лв.
32	505	320	
33	505	320	
34	530	340	
35	530	340	
36	530	340	
37	530	340	
38	555	360	
39	555	360	
40	555	360	
41	555	360	
42	555	360	
43	585	385	
44	585	385	
45	585	385	
46	585	385	
47	585	385	
48	605	405	
49	605	405	
50	605	405	

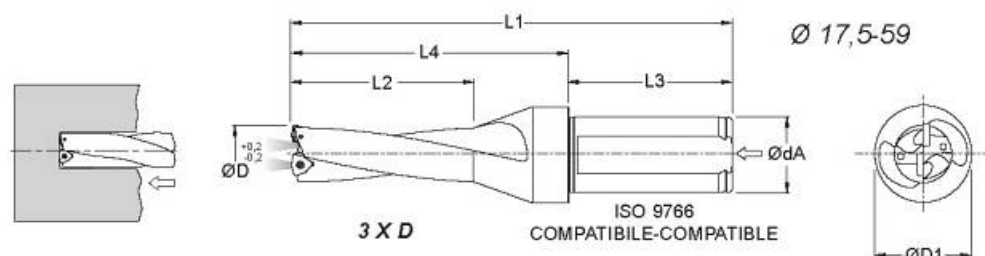
Стъпални свредели

Обхват mm	L mm	d mm	диаметър на стъпалата mm	кат. N	цена лв.
4-12	65	6	4, 5, 6, 7, 8, 9, 10, 11, 12	840 4-12	
4-20	76	8	4, 6, 8, 10, 12, 14, 16, 18, 20	840 4-20	
4-22	77	8	4, 6, 8, 10, 12, 14, 16, 18, 20, 22	840 4-22	
4-30	100	9	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	840 4-30	
4-39	107	10	4, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39	840 4-39	
6 - 32	100	9	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32		
6 - 40.5	107	10	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 40.5		



СВРЕДЕЛИ СЪС СМЕНЯЕМИ ТВЪРДОСПЛАВНИ ПЛАСТИНИ

TDC .. R/L, 3 X D



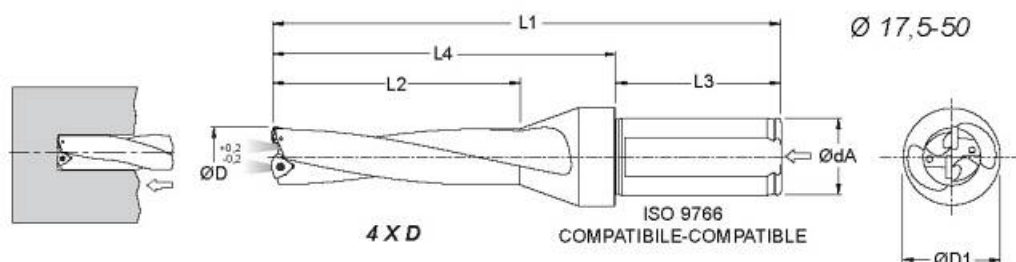
Съвместими твърдосплавни пластини	
WCMX ...	S42
WCMX ...	S62/.062
WCMT ...	L62

Код	ØD ^{+/-0,2} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
TDC 17530 R/L	17.5	25	32	138.5	54.5	54	84.5	030208	
TDC 18030 R/L	18	25	32	140	56	54	86		
TDC 18530 R/L	18.5	25	32	141.5	57.5	54	87.5		
TDC 19030 R/L	19	25	32	143	59	54	89		
TDC 19530 R/L	19.5	25	32	144.5	60.5	54	90.5		
TDC 20030 R/L	20	25	32	146	62	54	92		
TDC 20530 R/L	20.5	25	32	147.5	63.5	54	93.5		
TDC 21030 R/L	21	25	32	149	65	54	95	040208	
TDC 21530 R/L	21.5	25	32	150.5	66.5	54	96.5		
TDC 22030 R/L	22	25	32	152	68	54	98		
TDC 22530 R/L	22.5	25	32	153.5	69.5	54	99.5		
TDC 23030 R/L	23	25	32	155	71	54	101		
TDC 23530 R/L	23.5	25	32	156.5	72.5	54	102.5		
TDC 24030 R/L	24	25	32	158	74	54	104		
TDC 24530 R/L	24.5	25	32	159.5	75.5	54	105.5		
TDC 25030 R/L	25	25	32	161	77	54	107	050308	
TDC 25530 R/L	25.5	25	32	162.5	78.5	54	108.5		
TDC 26030 R/L	26	25	32	164	80	54	110		
TDC 26530 R/L	26.5	25	32	165.5	81.5	54	111.5		
TDC 27030 R/L	27	25	32	167	83	54	113		
TDC 27530 R/L	27.5	25	32	168.5	84.5	54	114.5		
TDC 28030 R/L	28	25	32	170	86	54	116		
TDC 28530 R/L	28.5	25	32	171.5	87.5	54	117.5	050308	
TDC 29030 R/L	29	25	32	173	89	54	119		
TDC 29530 R/L	29.5	25	32	174.5	90.5	54	120.5		
TDC 30030 R/L	30	32	49	180	92	58	122	06T308	
TDC 30530 R/L	30.5	32	49	181.5	93.5	58	123.5		
TDC 31030 R/L	31	32	49	183	95	58	125		
TDC 31530 R/L	31.5	32	49	184.5	96.5	58	126.5		
TDC 32030 R/L	32	32	49	186	98	58	128		
TDC 32530 R/L	32.5	32	49	187.5	99.5	58	129.5		
TDC 33030 R/L	33	32	49	189	101	58	131		
TDC 33530 R/L	33.5	32	49	190.5	102.5	58	132.5	06T308	
TDC 34030 R/L	34	32	49	192	104	58	134		
TDC 34530 R/L	34.5	32	49	193.5	105.5	58	135.5		

свредели със сменяеми твърдосплавни пластини

Код	ØD ^{+/-0,2} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
TDC 35030 R/L	35	32	49	195	107	58	137	06T308	
TDC 35530 R/L	35.5	32	49	196.5	108.5	58	138.5		
TDC 36030 R/L	36	32	49	198	110	58	140		
TDC 36530 R/L	36.5	32	49	199.5	111.5	58	141.5		
TDC 37030 R/L	37	32	49	201	113	58	143		
TDC 37530 R/L	37.5	32	49	202.5	114.5	58	144.5		
TDC 38030 R/L	38	32	49	204	116	58	146		
TDC 38530 R/L	38.5	32	49	205.5	117.5	58	147.5		
TDC 39030 R/L	39	32	49	207	119	58	149		
TDC 39530 R/L	39.5	32	49	208.5	120.5	58	150.5		
TDC 40030 R/L	40	32	49	210	122	58	152		
TDC 41030 R/L	41	32	49	213	125	58	155		
TDC 42030 R/L	42	32	49	216	128	58	158	080412	
TDC 43030 R/L	43	32	49	219	131	58	161		
TDC 44030 R/L	44	32	49	222	134	58	164		
TDC 45030 R/L	45	40	59	240	137	68	172	080412	
TDC 46030 R/L	46	40	59	243	140	68	175		
TDC 47030 R/L	47	40	59	246	143	68	178		
TDC 48030 R/L	48	40	59	249	146	68	181		
TDC 49030 R/L	49	40	59	252	149	68	184		
TDC 50030 R/L	50	40	59	255	152	68	187		
TDC 51030 R/L	51	40	59	258	155	68	190		
TDC 52030 R/L	52	40	59	261	158	68	193		
TDC 53030 R/L	53	40	59	264	161	68	196		
TDC 54030 R/L	54	40	59	267	164	68	199		
TDC 55030 R/L	55	40	59	270	167	68	202		
TDC 56030 R/L	56	40	59	273	170	68	205		
TDC 57030 R/L	57	40	59	276	173	68	208		
TDC 58030 R/L	58	40	59	279	176	68	211		
TDC 59030 R/L	59	40	59	282	179	68	214		

TDC .. R/L, 4 X D



Съвместими
твърдосплавни
пластини

WCMX ... S42

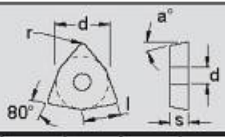
WCMX ... S62/.062

WCMT ... L62

Код	ØD ^{+/-0,2} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
TDC 17540 R/L	17.5	25	32	156	72	54	102	030208	
TDC 18040 R/L	18	25	32	158	74	54	104		
TDC 18540 R/L	18.5	25	32	160	76	54	106		
TDC 19040 R/L	19	25	32	162	78	54	108		
TDC 19540 R/L	19.5	25	32	164	80	54	110		
TDC 20040 R/L	20	25	32	166	82	54	112		
TDC 20540 R/L	20.5	25	32	168	84	54	114		
TDC 21040 R/L	21	25	32	170	86	54	116		
TDC 21540 R/L	21.5	25	32	172	88	54	118	040208	
TDC 22040 R/L	22	25	32	174	90	54	120		
TDC 22540 R/L	22.5	25	32	176	92	54	122		
TDC 23040 R/L	23	25	32	178	94	54	124		
TDC 23540 R/L	23.5	25	32	180	96	54	126		
TDC 24040 R/L	24	25	32	182	98	54	128		
TDC 24540 R/L	24.5	25	32	184	100	54	130		
TDC 25040 R/L	25	25	32	186	102	54	132	050308	
TDC 25540 R/L	25.5	25	32	188	104	54	134		
TDC 26040 R/L	26	25	32	190	106	54	136		
TDC 26540 R/L	26.5	25	32	192	108	54	138		
TDC 27040 R/L	27	25	32	194	110	54	140		
TDC 28040 R/L	28	25	32	198	114	54	144		
TDC 29040 R/L	29	25	32	202	118	54	148		
TDC 30040 R/L	30	32	49	210	122	58	152	050308	
TDC 31040 R/L	31	32	49	214	126	58	156	06T308	
TDC 32040 R/L	32	32	49	218	130	58	160		
TDC 33040 R/L	33	32	49	222	134	58	164		
TDC 34040 R/L	34	32	49	226	138	58	168		
TDC 35040 R/L	35	32	49	230	142	58	172		
TDC 36040 R/L	36	32	49	234	146	58	176		
TDC 37040 R/L	37	32	49	238	150	58	180		
TDC 38040 R/L	38	32	49	242	154	58	184		
TDC 39040 R/L	39	32	49	246	158	58	188	080412	
TDC 40040 R/L	40	32	49	250	162	58	192		
TDC 41040 R/L	41	32	49	254	166	58	196		
TDC 42040 R/L	42	32	49	258	170	58	200		
TDC 43040 R/L	43	32	49	262	174	58	204		
TDC 44040 R/L	44	32	49	266	178	58	208		
TDC 45040 R/L	45	40	59	285	182	68	217		
TDC 46040 R/L	46	40	59	289	186	68	221		
TDC 47040 R/L	47	40	59	293	190	68	225		
TDC 48040 R/L	48	40	59	297	194	68	229		
TDC 49040 R/L	49	40	59	301	198	68	233		
TDC 50040 R/L	50	40	59	305	202	68	237		

свързани със сменяеми твърдосплавни пластини

Пластини за TDC .. R/L, 3XD, TDC .. R/L, 4XD

код	P	M	K	N	S	H	Cemented			Coated grades																цена лв.
							T120			T538N			T533							l	d	s	d1	r	a°	
WCMX 030208 S62			○	●	○		■													3.46	5.56	2.38	2.5	0.8	7°	
WCMX 040208 S62			○	●	○		■													3.99	6.35	2.38	2.8	0.8	7°	
WCMX 050308 S62			○	●	○		■													5.07	7.94	3.18	3.4	0.8	7°	
WCMX 06T308 062			○	●	○		■													6.14	9.52	3.97	3.8	0.8	7°	
WCMX 080412 S62			○	●	○		■													8.14	12.7	4.76	4.4	1.2	7°	
WCMX 030208 S62	●	●	○							■										3.46	5.56	2.38	2.5	0.8	7°	
WCMX 040208 S62	●	●	○							■										3.99	6.35	2.38	2.8	0.8	7°	
WCMX 050308 S62	●	●	○							■										5.07	7.94	3.18	3.4	0.8	7°	
WCMX 06T308 S62	●	●	○							■										6.14	9.52	3.97	3.8	0.8	7°	
WCMX 080412 S62	●	●	○							■										8.14	12.7	4.76	4.4	1.2	7°	
WCMT 030208 L62	●	●	○		○							■								3.46	5.56	2.38	2.5	0.8	7°	
WCMT 040208 L62	●	●	○		○							■								3.99	6.35	2.38	2.8	0.8	7°	
WCMT 050308 L62	●	●	○		○							■								5.07	7.94	3.18	3.4	0.8	7°	
WCMT 06T308 L62	●	●	○		○							■								6.14	9.52	3.97	3.8	0.8	7°	
WCMT 080412 L62	●	●	○		○							■								8.14	12.7	4.76	4.4	1.2	7°	
WCMX 040208 S42	●	●		○	●					■										3.99	6.35	2.38	2.8	0.8	7°	
WCMX 050308 S42	●	●		○	●					■										5.07	7.94	3.18	3.4	0.8	7°	
WCMX 06T308 S42	●	●		○	●					■										6.14	9.52	3.97	3.8	0.8	7°	
WCMX 080412 S42	●	●		○	●					■										8.14	12.7	4.76	4.4	1.2	7°	

■ - В наличност

□ - По заявка

● - Препоръчително приложение

○ - Възможна приложения

P - NOT ALLOY STEEL, ALLOY STEEL

M - STAINLESS STEEL AUST

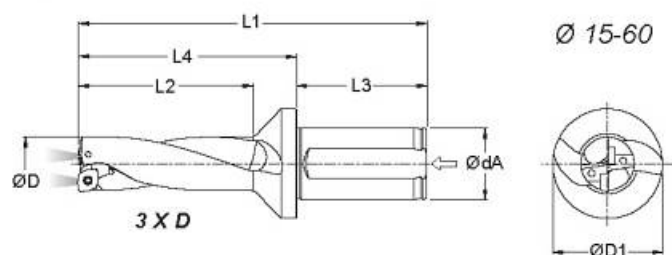
K - CAST IRON

N - ALUMINIUM, COPPER, PLASTICS

S - HIGH TEMP ALLOY, TITANIUM

H - HARDENED STEEL

SDQ .. R, 3 X D



Съвместими
твърдосплавни
пластини

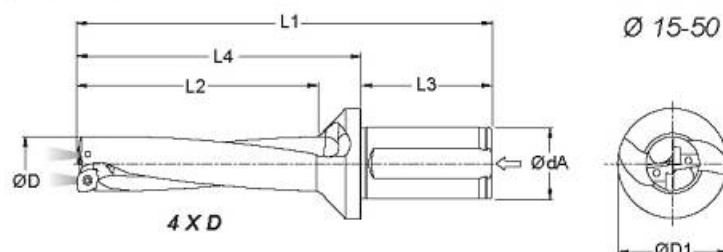
QCMX ... X42

QCMX ... X52

Код	ØD ^{+/-0,1} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
SDQ 15030 R	15.0	20	32	102	47	40	62	010204	
SDQ 15530 R	15.5	20	32	103.5	48.5	40	63.5		
SDQ 16030 R	16.0	20	32	105	50	40	65		
SDQ 16530 R	16.5	20	32	106.5	51.5	40	66.5		
SDQ 17030 R	17.0	20	32	108	53	40	68		
SDQ 17530 R	17.5	25	37	126.5	55.5	54	72.5		
SDQ 18030 R	18.0	25	37	128	57	54	74		
SDQ 18530 R	18.5	25	37	129.5	58.5	54	75.5		
SDQ 19030 R	19.0	25	37	131	60	54	77		
SDQ 19530 R	19.5	25	37	132.5	61.5	54	78.5		
SDQ 20030 R	20.0	25	37	134	63	54	80	020204	
SDQ 20530 R	20.5	25	37	135.5	64.5	54	81.5		
SDQ 21030 R	21.0	25	37	137	66	54	83		
SDQ 21530 R	21.5	25	37	138.5	67.5	54	84.5		
SDQ 22030 R	22.0	25	37	140	69	54	86		
SDQ 22530 R	22.5	25	37	141.5	70.5	54	87.5		
SDQ 23030 R	23.0	25	37	143	72	54	89		
SDQ 23530 R	23.5	25	37	144.5	73.5	54	90.5	030308	
SDQ 24030 R	24.0	25	37	146	75	54	92		
SDQ 24530 R	24.5	25	37	147.5	76.5	54	93.5		
SDQ 25030 R	25.0	32	49	156	79	58	98		
SDQ 25530 R	25.5	32	49	157.5	80.5	58	99.5		
SDQ 26030 R	26.0	32	49	159	82	58	101		
SDQ 26530 R	26.5	32	49	160.5	83.5	58	102.5		
SDQ 27030 R	27.0	32	49	162	85	58	104		
SDQ 27530 R	27.5	32	49	163.5	86.5	58	105.5		
SDQ 28030 R	28.0	32	49	165	88	58	107		
SDQ 28530 R	28.5	32	49	166.5	89.5	58	108.5		
SDQ 29030 R	29.0	32	49	168	91	58	110		
SDQ 29530 R	29.5	32	49	169.5	92.5	58	111.5		
SDQ 30030 R	30.0	32	49	171	94	58	113	040308	
SDQ 30530 R	30.5	32	49	175	95.5	58	114.5		
SDQ 31030 R	31.0	32	49	174	97	58	116		
SDQ 31530 R	31.5	32	49	175.5	98.5	58	117.5		
SDQ 32030 R	32.0	40	59	191	101	68	123		
SDQ 32530 R	32.5	40	59	192.5	102.5	68	124.5		
SDQ 33030 R	33.0	40	59	194	104	68	126		
SDQ 33530 R	33.5	40	59	195.5	105.5	68	127.5	050412	
SDQ 34030 R	34.0	40	59	197	107	68	129		
SDQ 34530 R	34.5	40	59	198.5	108.5	68	130.5		
SDQ 35030 R	35.0	40	59	200	110	68	132		
SDQ 35530 R	35.5	40	59	201.5	111.5	68	133.5		
SDQ 36030 R	36.0	40	59	203	113	68	135		

Код	ØD ^{+/-0,1} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
SDQ 36530 R	36.5	40	59	204.5	114.5	68	136.5	050412	
SDQ 37030 R	37.0	40	59	206	116	68	138		
SDQ 37530 R	37.5	40	59	207.5	117.5	68	139.5		
SDQ 38030 R	38.0	40	59	209	119	68	141		
SDQ 38530 R	38.5	40	59	210.5	120.5	68	142.5		
SDQ 39030 R	39.0	40	59	212	122	68	144		
SDQ 39530 R	39.5	40	59	213.5	123.5	68	145.5		
SDQ 40030 R	40.0	40	59	215	125	68	147	060412	
SDQ 41030 R	41.0	40	59	218	128	68	150		
SDQ 42030 R	42.0	40	59	221	131	68	153		
SDQ 43030 R	43.0	40	59	224	134	68	156		
SDQ 44030 R	44.0	40	59	227	137	68	159		
SDQ 45030 R	45.0	40	59	230	140	68	162		
SDQ 46030 R	46.0	40	59	241	143	68	173		
SDQ 47030 R	47.0	40	59	244	146	68	176		
SDQ 48030 R	48.0	40	59	247	149	68	179		
SDQ 49030 R	49.0	40	59	250	152	68	182		
SDQ 50030 R	50.0	40	59	253	158	68	185	080412	
SDQ 51030 R	51.0	40	59	256	161	68	188		
SDQ 52030 R	52.0	40	59	259	164	68	191		
SDQ 53030 R	53.0	40	59	262	167	68	194		
SDQ 54030 R	54.0	40	59	265	170	68	197		
SDQ 55030 R	55.0	40	59	268	173	68	200		
SDQ 56030 R	56.0	40	59	271	176	68	203		
SDQ 57030 R	57.0	40	59	274	179	68	206		
SDQ 58030 R	58.0	40	59	277	182	68	209		
SDQ 59030 R	59.0	40	59	280	185	68	212		
SDQ 60030 R	60.0	40	59	283	188	68	215		

SDQ .. R, 4 X D



Съвместими
твърдосплавни
пластини

QCMX ... X42

QCMX ... X52

Код	ØD ^{+/-0,1} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
SDQ 15040 R	15.0	20	32	120	65	40	80	010204	
SDQ 15540 R	15.5	20	32	122	67	40	82		
SDQ 16040 R	16.0	20	32	124	69	40	84		
SDQ 16540 R	16.5	20	32	126	71	40	86		
SDQ 17040 R	17.0	20	32	128	73	40	88		
SDQ 17540 R	17.5	25	37	147	76	54	93		
SDQ 18040 R	18.0	25	37	149	78	54	95		
SDQ 18540 R	18.5	25	37	151	80	54	97		
SDQ 19040 R	19.0	25	37	153	82	54	99		
SDQ 19540 R	19.5	25	37	155	84	54	101		
SDQ 20040 R	20.0	25	37	157	86	54	103	020204	
SDQ 20540 R	20.5	25	37	159	88	54	105		
SDQ 21040 R	21.0	25	37	161	90	54	107		
SDQ 21540 R	21.5	25	37	163	92	54	109		
SDQ 22040 R	22.0	25	37	165	94	54	111		
SDQ 22540 R	22.5	25	37	167	96	54	113		
SDQ 23040 R	23.0	25	37	169	98	54	115		
SDQ 23540 R	23.5	25	37	170	99	54	116		
SDQ 24040 R	24.0	25	37	173	102	54	119		
SDQ 24540 R	24.5	25	37	175	104	54	121	030308	
SDQ 25040 R	25.0	32	49	184	107	58	126		
SDQ 25540 R	25.5	32	49	186	109	58	128		
SDQ 26040 R	26.0	32	49	188	111	58	130		
SDQ 26540 R	26.5	32	49	190	113	58	132		
SDQ 27040 R	27.0	32	49	192	115	58	134		
SDQ 27540 R	27.5	32	49	194	117	58	136		
SDQ 28040 R	28.0	32	49	196	119	58	138		
SDQ 28540 R	28.5	32	49	198	121	58	140		
SDQ 29040 R	29.0	32	49	200	123	58	142		
SDQ 29540 R	29.5	32	49	202	125	58	144	040308	
SDQ 30040 R	30.0	32	49	204	127	58	146		
SDQ 31040 R	31.0	32	49	208	131	58	150		
SDQ 32040 R	32.0	40	59	226	136	68	158		
SDQ 33040 R	33.0	40	59	230	140	68	162		
SDQ 34040 R	34.0	40	59	234	144	68	166		
SDQ 35040 R	35.0	40	59	238	148	68	170		
SDQ 36040 R	36.0	40	59	242	152	68	174		
SDQ 37040 R	37.0	40	59	246	156	68	178	050412	
SDQ 38040 R	38.0	40	59	250	160	68	182		
SDQ 39040 R	39.0	40	59	254	164	68	186		

свързани със сменяеми твърдосплавни пластини

Код	ØD ^{+/-0,1} mm	ØdA mm	ØD1 mm	L1 mm	L2 mm	L3 mm	L4 mm		цена лв.
SDQ 40040 R	40.0	40	59	258	168	68	190	060412	
SDQ 41040 R	41.0	40	59	262	172	68	194		
SDQ 42040 R	42.0	40	59	266	176	68	198		
SDQ 43040 R	43.0	40	59	270	180	68	202		
SDQ 44040 R	44.0	40	59	274	184	68	206		
SDQ 45040 R	45.0	40	59	278	188	68	210		
SDQ 46040 R	46.0	40	59	290	192	68	222		
SDQ 47040 R	47.0	40	59	294	196	68	226		
SDQ 48040 R	48.0	40	59	298	200	68	230		
SDQ 49040 R	49.0	40	59	302	204	68	234		
SDQ 50040 R	50.0	40	59	306	211	68	238	080412	

Пластини за SDQ .. R, 3XD, SDQ .. R, 4XD

код	P	M	K	N	S	H	Cemented			Coated grades												цена лв.	
										T3610			T5320	T5322					l	d	s		d1
QCMX 010204 .X42	●	●		○									■				5.4	5.8	2.38	2.5	0.4	7°	
QCMX 020204 .X42	●	●		○									■				6.6	7.1	2.38	2.5	0.4	7°	
QCMX 030308 .X42	●	●		○									■				8.3	8.8	3.18	3.4	0.8	7°	
QCMX 040308 .X42	●	●		○									■				9.6	10.2	3.18	3.4	0.8	7°	
QCMX 050412 .X42	●	●		○									■				11.3	12.1	4.76	4.3	1.2	7°	
QCMX 060412 .X42	●	●		○									■				13.8	14.8	4.76	4.3	1.2	7°	
QCMX 080412 .X42	●	●		○									■				17.2	18.5	4.76	4.3	1.2	7°	
QCMX 010204 .X52	●	○	○										■				5.4	5.8	2.38	2.5	0.4	7°	
QCMX 020204 .X52	●	○	○										■				6.6	7.1	2.38	2.5	0.4	7°	
QCMX 030308 .X52	●	○	○										■				8.3	8.8	3.18	3.4	0.8	7°	
QCMX 040308 .X52	●	○	○										■				9.6	10.2	3.18	3.4	0.8	7°	
QCMX 050412 .X52	●	○	○										■				11.3	12.1	4.76	4.3	1.2	7°	
QCMX 060412 .X52	●	○	○										■				13.8	14.8	4.76	4.3	1.2	7°	
QCMX 080412 .X52	●	○	○										■				17.2	18.5	4.76	4.3	1.2	7°	
QCMX 010204 .X52	○		●							■							5.4	5.8	2.38	2.5	0.4	7°	
QCMX 020204 .X52	○		●							■							6.6	7.1	2.38	2.5	0.4	7°	
QCMX 030308 .X52	○		●							■							8.3	8.8	3.18	3.4	0.8	7°	
QCMX 040308 .X52	○		●							■							9.6	10.2	3.18	3.4	0.8	7°	
QCMX 050412 .X52	○		●							■							11.3	12.1	4.76	4.3	1.2	7°	
QCMX 060412 .X52	○		●							■							13.8	14.8	4.76	4.3	1.2	7°	
QCMX 080412 .X52	○		●							■							17.2	18.5	4.76	4.3	1.2	7°	

■ - В наличност

□ - По заявка

● - Препоръчително приложение

○ - Възможна приложения

P - NOT ALLOY STEEL, ALLOY STEEL

M - STAINLESS STEEL AUST

K - CAST IRON

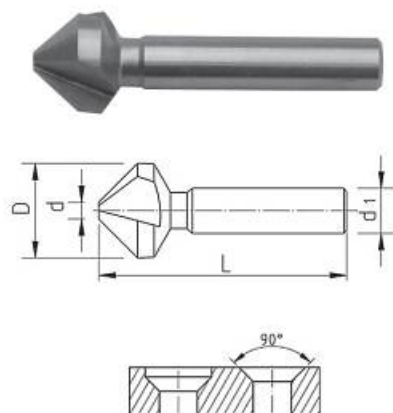
N - ALUMINIUM, COPPER, PLASTICS

S - HIGH TEMP ALLOY, TITANIUM

H - HARDENED STEEL

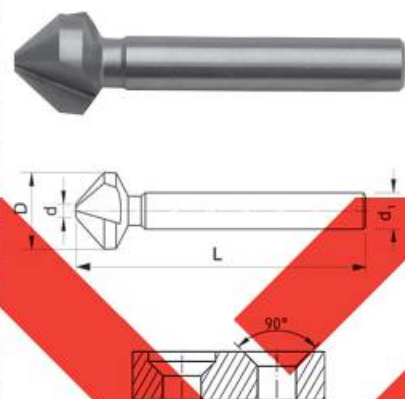
Конусни зенкери 90° с цилиндрична опашка с 3 режещи ръба,
DIN 335 "C"

D mm	DIN74 Af	DIN74 Bf	DIN75 Af	DIN75 Bf	L mm	d mm	d ₁ mm	кат. N	цена, лв.	
									HSS	HSSE
4.3	M2	M1.8	M2		40	1.3	4	861 4.3		
5.0	M2.5	M2			40	1.5	4	861 5.0		
5.3			M2.6	M2.6	40	1.5	4	861 5.3		
5.8			M3		45	1.5	5	861 5.8		
6.0	M3	M2.5			45	1.5	5	861 6.0		
6.2					45	1.5	5	861 6.2		
6.3		M3	M3.5	M3	45	1.5	6	861 6.3		
7.0	M3.5	M3			50	1.8	6	861 7.0		
7.3			M4	M3.5	50	1.8	6	861 7.3		
8.0	M4	M3.5			50	2.0	6	861 8.0		
8.3		M4		M4	50	2.0	6	861 8.3		
8.4					50	2.0	6	861 8.4		
9.4			M4		50	2.2	6	861 9.4		
10.0	M5	M4			50	2.5	6	861 10.0		
10.4		M5	M6	M5	50	2.5	6	861 10.4		
11.5	M6	M5			56	2.8	8	861 11.5		
12.4		M6		M6	56	2.8	8	861 12.4		
13.4			M8		56	2.9	8	861 13.4		
15.0	M8	M6			60	3.2	10	861 15.0		
16.5		M8	M10	M8	60	3.2	10	861 16.5		
19.0	M10	M8			63	3.5	10	861 19.0		
20.5		M10		M10	63	3.5	10	861 20.5		
23.0	M12	M10			67	3.8	10	861 23.0		
25.0		M12		M12	67	3.8	10	861 25.0		
26.0	M14				67	3.8	10	861 26.0		
28.0		M14		M14	71	4.0	12	861 28.0		
30.0		M16			71	4.2	12	861 30.0		
31.0				M16	71	4.2	12	861 31.0		



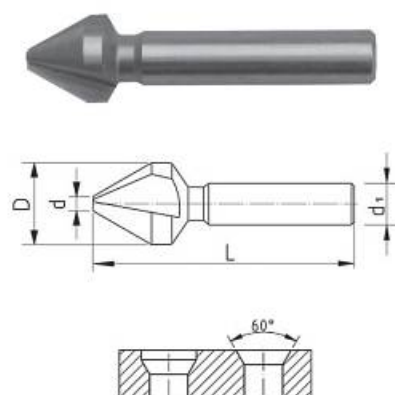
Конусни зенкери 90° с дълга цилиндрична опашка с 3 режещи ръба,
DIN 335 "C"

D mm	DIN74 Af	DIN74 Bf	DIN75 Af	DIN75 Bf	L mm	d mm	d ₁ mm	кат. N	цена, лв.	
									HSS	HSSE
5.8			M3		130	1.5	5	864 5.8		
6.3		M3	M3.5	M3	130	1.5	5	864 6.3		
8.3		M4		M4	130	2.0	6	864 8.3		
9.4			M4		130	2.2	6	864 9.4		
10.4		M5	M6	M5	135	2.5	6	864 10.4		
11.5	M6	M5			130	2.8	6	864 11.5		
12.4		M6		M6	135	2.8	8	864 12.4		
15.0	M8	M6			135	3.2	10	864 15.0		
16.5		M8	M10	M8	140	3.2	10	864 16.5		
20.5		M10		M10	140	3.5	10	864 20.5		
25.0		M12		M12	140	3.8	10	864 25.0		



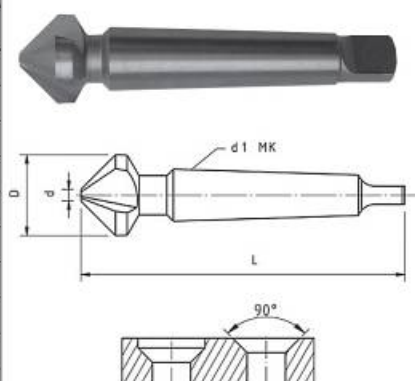
Конусни зенкери 60° цилиндрична опашка с 3 режещи ръба, DIN 334

D mm	L mm	d mm	d ₁ mm	кат. N	цена, лв.	
					HSS	HSSE
6.3	45	1.6	5	8611 6.3		
6.4	45	1.6	5	8611 6.4		
8.0	50	2.0	6	8611 8.0		
8.4	50	2.0	6	8611 8.4		
10.4	50	2.5	6	8611 10.4		
12.4	56	3.2	8	8611 12.4		
12.5	56	3.2	8	8611 12.5		
16.0	63	4.0	10	8611 16.0		
16.5	63	4.0	10	8611 16.5		
20.0	67	5.0	10	8611 20.0		
20.5	67	5.0	10	8611 20.5		
25.0	71	6.3	10	8611 25.0		
30.0	76	10.0	12	8611 30.0		
31.5	76	10.0	12	8611 31.5		
40.0	88	12.5	15	8611 40.0		



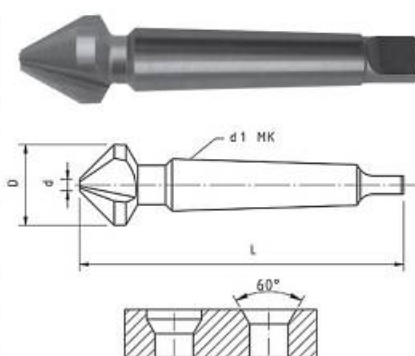
Конусни зенкери 90° с опашка морзов конус и 3 режещи ръба, DIN 335 "D"

D mm	DIN74 Af	DIN74 Bf	DIN75 Af	DIN75 Bf	L mm	d mm	d ₁ mm	кат. N	цена, лв.	
									HSS	HSSE
15.0	M8	M6			85	3.2	1	863 15.0		
16.5		M8	M10	M8	85	3.2	1	863 16.5		
19.0	M10	M8			100	3.5	2	863 19.0		
20.5		M10		M10	100	3.5	2	863 20.5		
23.0	M12	M10			106	3.8	2	863 23.0		
25.0		M12		M12	106	3.8	2	863 25.0		
26.0	M14				106	3.8	2	863 26.0		
28.0		M14		M14	112	4.0	2	863 28.0		
30.0	M16				112	4.2	2	863 30.0		
31.0		M16		M16	112	4.2	2	863 31.0		
34.0	M18	M18			118	4.5	2	863 34.0		
37.0	M20	M20		M20	118	4.8	2	863 37.0		
40.0				M24	140	10	3	863 40.0		
50.0					150	14	3	863 50.0		
63.0					180	16	4	863 63.0		
80.0					190	22	4	863 80.0		



Конусни зенкери 60° с опашка морзов конус и 3 режещи ръба, DIN 334 "D"

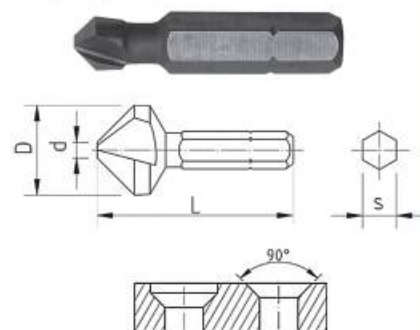
D mm	DIN74 Af	DIN74 Bf	DIN75 Af	DIN75 Bf	L mm	d mm	d ₁ mm	цена, лв.	
								HSS	HSSE
15.0	M8	M6			85	3.2	1		
16.5		M8	M10	M8	85	3.2	1		
19.0	M10	M8			100	3.5	2		
20.5		M10		M10	100	3.5	2		
23.0	M12	M10			106	3.8	2		
25.0		M12		M12	106	3.8	2		
26.0	M14				106	3.8	2		
28.0		M14		M14	112	4.0	2		
30.0	M16				112	4.2	2		



D mm	DIN74 Af	DIN74 Bf	DIN75 Af	DIN75 Bf	L mm	d mm	d ₁ mm	цена, лв.	
								HSS	HSSE
31.0		M16		M16	112	4.2	2		
34.0	M18	M18			118	4.5	2		
37.0	M20	M20		M20	118	4.8	2		
40.0				M24	140	10	3		
50.0					150	14	3		
63.0					180	16	4		
80.0					190	22	4		

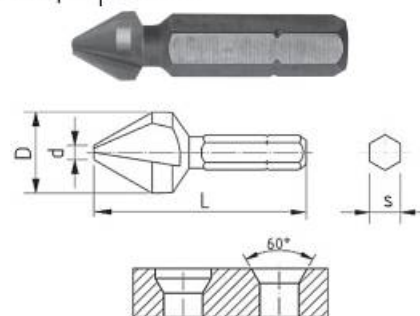
Конусни зенкери 90° с опашка шестостен с 3 режещи ръба

D mm	L mm	d mm	S mm	кат. N	цена, лв.	
					HSS	HSSE
6.3	31	1.5	6.35	862 6.3		
8.3	32	2.0	6.35	862 8.3		
10.4	34	2.5	6.35	862 10.4		
12.4	35	2.8	6.35	862 12.4		
16.5	40	3.2	6.35	862 16.5		
20.5	40	3.5	6.35	862 20.5		



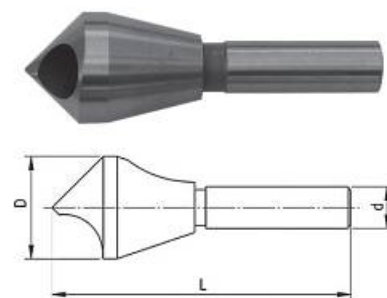
Конусни зенкери 60° с опашка шестостен с 3 режещи ръба

D mm	L mm	d mm	S mm	кат. N	цена, лв.	
					HSS	HSSE
6.3	32	1.6	6.35	8621 6.3		
8.3	34	2.0	6.35	8621 8.3		
10.4	36	2.0	6.35	8621 10.4		
12.4	37	3.2	6.35	8621 12.4		
16.5	43	4.0	6.35	8621 16.5		
20.5	45	5.0	6.35	8621 20.5		



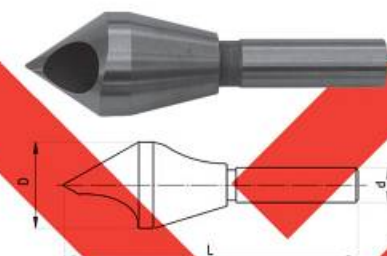
Конусни зенкери 90° с напречен отвор цилиндрична опашка

Обхват mm	D mm	L mm	d mm	кат. N	цена, лв.	
					HSS	HSSE
2/5	10	45	6	871 2/5		
5/10	14	48	8	871 5/10		
10/15	21	65	10	871 10/15		
15/20	28	84	12	871 15/20		
20/25	35	102	12	871 20/25-12		
20/25	35	102	15	871 20/25-15		

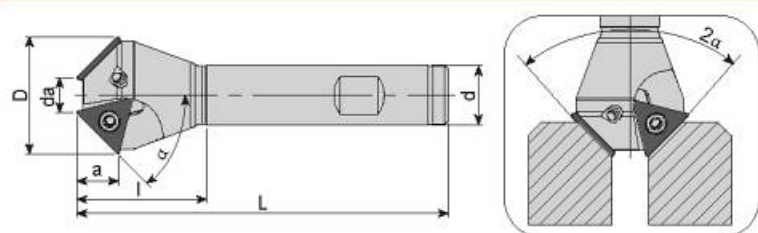


Конусни зенкери 60° с напречен отвор цилиндрична опашка

Обхват mm	D mm	L mm	d mm	кат. N	цена, лв.	
					HSS	HSSE
2/5	10	50	6	8711 2/5		
5/10	14	58	8	8711 5/10		
10/15	21	80	10	8711 10/15		
15/20	28	102	12	8711 15/20		
20/25	35	125	12	8711 20/25		



ЗЕНКЕРИ СЪС СМЕНЯЕМИ ТВЪРДОСПЛАВНИ ПЛАСТИНИ

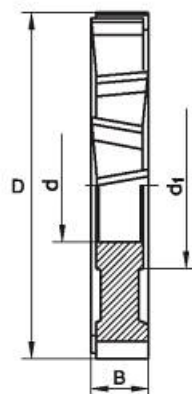


Код	α	da	D	d	L	l	Z	a		цена лв.
TC16-D17X20-W16-L90-Z01	10°	17	20	16	90	30	1	15.2	TC.T 16T304	
TC16-D17X22-W16-L90-Z01	15°	17	22	16	90	30	1	14.9		
TC16-D17X24-W16-L90-Z01	17.5°	17	24	16	90	30	1	14.7		
TC16-D21.3X30-W20-L100-Z02	18.5°	21.3	30	20	100	30	2	13.5		
TC16-D12X20-W16-L100-Z01	20°	12	20	16	100	30	1	14.4		
TC16-D17X26-W16-L100-Z01	20°	17	26	16	100	30	1	14.4		
TC16-D17X28-W16-L100-Z01	22.5°	17	28	16	100	30	1	14.2		
TC16-D17X30-W16-L100-Z01	25°	17	30	16	100	30	1	13.9		
TC16-D6X20-W16-L100-Z01	30°	6	20	16	100	30	1	13.3		
TC16-D20X35-W16-L100-Z02	30°	20	35	16	100	35	2	13.3		
TC16-D30X45-W20-L100-Z02	30°	30	45	20	100	40	2	13.3		
TC09-D7X19-W16-L100-Z02	45°	7	19	16	100	25	2	5.9	TC.T 090204	
TC11-D11X24-W16-L100-Z02	45°	11	24	16	100	25	2	6.9	TC.T 110204	
TC16-D5X23-W16-L100-Z01	45°	5	23	16	100	30	1	10.8	TC.T 16T304	
TC16-D10X30-W16-L100-Z02	45°	10	30	16	100	35	2	10.8		
TC16-D10X30-W20-L100-Z02	45°	10	30	20	100	35	2	10.8		
TC16-D18X37-W16-L100-Z02	45°	18	37	16	100	40	2	10.8		
TC16-D18X37-W20-L100-Z02	45°	18	37	20	100	40	2	10.8		
TC16-D20X40-W20-L100-Z02	45°	20	40	20	100	40	2	10.8		
TC16-D30X50-W20-L100-Z02	45°	30	50	20	100	40	2	10.8		
TC16-D16X40-W20-L100-Z03	55°	16	40	20	100	40	3	8.7		
TC16-D14X40-W20-L100-Z03	62°	14	40	20	100	40	3	7.1		
TC16-D14X42-W20-L100-Z03	72°	14	42	20	100	40	3	4.6		

ФРЕЗИ СЪС ЗАПОЕНИ ТВЪРДОСПЛАВНИ ПЛАСТИНИ

Фрези дискови тристранни, DIN 8047

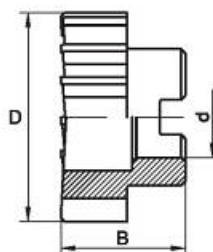
Код	D js16 mm	d H7 mm	B k11 mm	d1 mm	цена лв.	Код	D js16 mm	d H7 mm	B k11 mm	d1 mm	цена лв.
63x8	63	22	8	30		100x16	100	32	16	60	
63x10	63	22	10	30		100x18	100	32	18	60	
63x12	63	22	12	30		100x20	100	32	20	60	
63x14	63	22	14	30		100x22	100	32	22	60	
63x16	63	22	16	30		125x12	125	40	12	60	
63x18	63	22	18	30		125x14	125	40	14	60	
63x20	63	22	20	30		125x16	125	40	16	60	
80x10	80	27	10	40		125x18	125	40	18	60	
80x12	80	27	12	40		125x20	125	40	20	60	
80x14	80	27	14	40		125x22	125	40	22	60	
80x16	80	27	16	40		160x16	160	50	16	75	
80x18	80	27	18	40		160x18	160	50	18	75	
80x20	80	27	20	40		160x20	160	50	20	75	
100x12	100	32	12	60		160x22	160	50	22	75	
100x14	100	32	14	60		160x24	160	50	24	75	



фрези със запоени твърдосплавни пластины

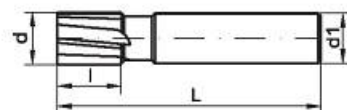
Фрези челноцилиндрични дорникови, DIN 8056

Код	D js16 mm	d H7 mm	B mm	цена лв.
40	40	16	32	
50	50	22	36	
63	63	27	40	
80	80	27	45	
100	100	32	50	
125	125	40	60	



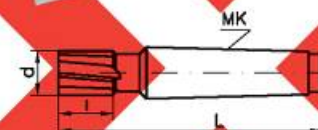
Фрези челноцилиндрични с цилиндрична опашка, DIN 8044

Код	D js16 mm	d1 mm	l mm	L mm	цена лв.
10	10	10	12	62	
12	12	12	16	73	
16	16	16	16	76	
20	20	20	19	85	



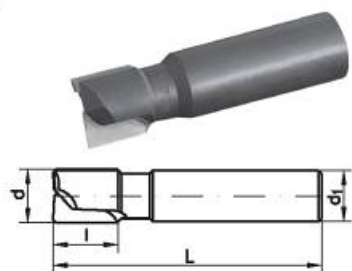
Фрези челноцилиндрични с конусна опашка, DIN 8045

Код	d js16 mm	l mm	L mm	МК MT	цена лв.	Код	d js16 mm	l mm	L mm	МК MT	цена лв.
12МК1	12	16	86	1		25МК3	25	22	124	3	
16МК2	16	16	101	2		32МК3	32	22	124	3	
20МК2	20	19	104	2		32МК4	32	22	147	4	
20МК3	20	19	121	3		40МК4	40	25	150	4	



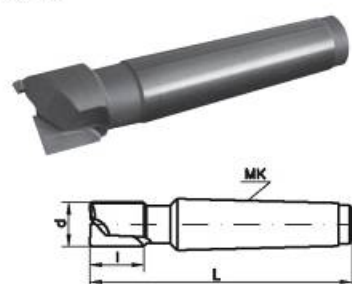
Фрези за шпонкови канали с цилиндрична опашка, DIN 8027

Код	d e8 mm	d1 mm	l mm	L mm	цена лв.	Код	d e8 mm	d1 mm	l mm	L mm	цена лв.
10	10	10	12	62		18	18	16	19	79	
12	12	12	16	73		20	20	20	19	85	
14	14	12	16	73		22	22	20	19	85	
16	16	16	16	76		25	25	25	22	98	



Фрези за шпонкови канали с конусна опашка, DIN 8026

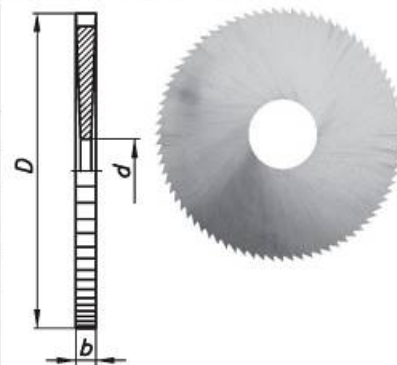
Код	d e8 mm	l mm	L mm	МК MT	цена лв.	Код	d e8 mm	l mm	L mm	МК MT	цена лв.
12МК1	12	16	86	1		22МК3	22	19	121	3	
12МК2	12	16	101	2		25МК3	25	22	124	3	
14МК1	14	16	86	1		28МК3	28	22	124	3	
14МК2	14	16	101	2		32МК3	32	22	124	3	
16МК2	16	16	101	2		32МК4	32	22	147	4	
18МК2	18	19	104	2		36МК3	36	25	127	3	
20МК2	20	19	104	2		36МК4	36	25	150	4	
20МК3	20	19	121	3		40МК4	40	25	150	4	
22МК2	22	19	104	2							



ФРЕЗИ ДИСКОВИ ОТРЕЗНИ И ПРОРЕЗНИ

Фрези дискови отрезни и прорезни със ситни зъби, DIN1837 HSS

D js15 mm	d H7 mm	b js11 mm	цена лв.	D js15 mm	d H7 mm	b js11 mm	цена лв.	D js15 mm	d H7 mm	b js11 mm	цена лв.
40	10	0.6		63	16	1.0		100	22	1.2	
40	10	0.8		63	16	1.2		100	22	1.6	
40	10	1.0		63	16	1.6		100	22	2.0	
40	10	1.2		63	16	2.0		100	22	2.5	
40	10	1.6		63	16	2.5		100	22	3.0	
40	10	2.0		63	16	3.0		100	22	4.0	
40	10	2.5		63	16	4.0		100	22	5.0	
40	10	3.0		63	16	5.0		125	22	0.8	
40	10	4.0		80	22	0.5		125	22	1.0	
50	13	0.6		80	22	0.6		125	22	1.2	
50	13	0.8		80	22	0.8		125	22	1.6	
50	13	1.0		80	22	1.0		125	22	2.0	
50	13	1.2		80	22	1.2		125	22	2.5	
50	13	1.6		80	22	1.6		125	22	3.0	
50	13	2.0		80	22	2.0		125	22	4.0	
50	13	2.5		80	22	2.5		125	22	5.0	
50	13	3.0		80	22	3.0		125	22	6.0	
50	13	4.0		80	22	4.0		160	32	1.2	
50	13	5.0		80	22	5.0		160	32	1.6	
63	16	0.5		100	22	0.6		160	32	2.0	
63	16	0.6		100	22	0.8		160	32	2.5	
63	16	0.8		100	22	1.0		160	32	3.0	

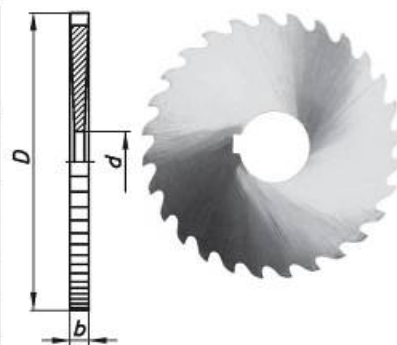


D js15 mm	d H7 mm	b js11 mm	цена лв.
160	32	4.0	
160	32	5.0	
160	32	6.0	
200	32	1.2	
200	32	1.6	
200	32	2.0	
200	32	2.5	
200	32	3.0	
200	32	4.0	
200	32	5.0	
200	32	6.0	

Забележка: Допуска се изпълнение на фрезите с главинка и (или) шпонков канал.

Фрези дискови отрезни и прорезни с едри зъби, DIN1838 HSS

D js15 mm	d H7 mm	b js11 mm	цена лв.	D js15 mm	d H7 mm	b js11 mm	цена лв.	D js15 mm	d H7 mm	b js11 mm	цена лв.
50	13	0.6		63	16	4.0		100	22	4.0	
50	13	0.8		63	16	5.0		100	22	5.0	
50	13	1.0		80	22	0.5		125	22	1.0	
50	13	1.2		80	22	0.6		125	22	1.2	
50	13	1.6		80	22	1.0		125	22	1.6	
50	13	2.0		80	22	1.2		125	22	2.0	
50	13	2.5		80	22	1.6		125	22	2.5	
50	13	3.0		80	22	2.0		125	22	3.0	
50	13	4.0		80	22	2.5		125	22	4.0	
50	13	5.0		80	22	3.0		125	22	5.0	
63	16	0.5		80	22	4.0		125	22	6.0	
63	16	0.6		80	22	5.0		160	32	1.2	
63	16	0.8		100	22	0.8		160	32	1.6	
63	16	1.0		100	22	1.0		160	32	2.0	
63	16	1.2		100	22	1.2		160	32	2.5	
63	16	1.6		100	22	1.6		160	32	3.0	
63	16	2.0		100	22	2.0		160	32	4.0	
63	16	2.5		100	22	2.5		160	32	5.0	
63	16	3.0		100	22	3.0		160	32	6.0	



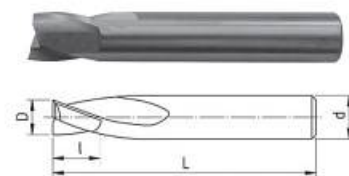
D js15 mm	d H7 mm	b js11 mm	цена лв.
200	32	1.6	
200	32	2.0	
200	32	2.5	
200	32	3.0	
200	32	4.0	
200	32	5.0	
200	32	6.0	

Забележка: Допуска се изпълнение на фрезите с главинка и (или) шпонков канал.

ФРЕЗИ

Фрези за шпонкови канали с цилиндрична опашка, DIN 327,
Форма А - DIN 1835

D e8 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
2	6	48	4	2	550 2		
2.5	6	49	5	2	550 2.5		
3	6	49	5	2	550 3		
4	6	51	7	2	550 4		
5	6	52	8	2	550 5		
6	6	52	8	2	550 6		
7	10	60	10	2	550 7		
8	10	61	11	2	550 8		
10	10	63	13	2	550 10		
12	12	73	16	2	550 12		
14	12	73	16	2	550 14		
16	16	79	19	2	550 16		
18	16	79	19	2	550 18		
20	20	88	22	2	550 20		
22	20	88	22	2	550 22		
24	25	102	26	2	550 24		
25	25	102	26	2	550 25		
28	25	102	26	2	550 28		
32	32	112	32	2	550 32		
36	32	112	32	2	550 36		



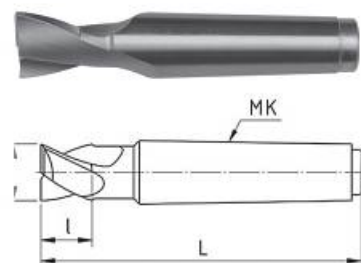
Фрези удължени за шпонкови канали с цилиндрична опашка,
DIN 327, Форма А - DIN 1835

D e8 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
4	6	63	11	2	5501 4		
5	6	68	13	2	5501 5		
6	6	68	13	2	5501 6		
7	10	80	16	2	5501 7		
8	10	88	19	2	5501 8		
10	10	95	22	2	5501 10		
12	12	110	26	2	5501 12		
14	12	110	26	2	5501 14		
16	16	123	32	2	5501 16		
18	16	123	32	2	5501 18		
20	20	141	38	2	5501 20		
22	20	141	38	2	5501 22		
24	25	166	45	2	5501 24		
25	25	166	45	2	5501 25		
28	25	166	45	2	5501 28		
32	32	186	53	2	5501 32		
36	32	186	53	2	5501 36		



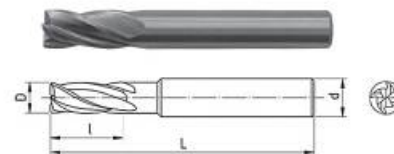
Фрези за шпонкови канали с конусна опашка, DIN 326, Форма А - DIN 228

D e8 mm	L js17 mm	l mm	Брой на зъбите	МК AT7	кат. N	цена лв.
10	83	13	2	1	560 10	
12	86	16	2	1	560 12	
14	101	16	2	2	560 14	
16	104	19	2	2	560 16	
18	104	19	2	2	560 18	
20	107	22	2	2	560 20	
22	107	22	2	2	560 22	
24	128	26	2	3	560 24	
25	128	26	2	3	560 25	
28	128	26	2	3	560 28	
32	157	32	2	4	560 32	
36	157	32	2	4	560 36	
40	163	38	2	4	560 40	



Фрези челно-цилиндрични форма А с цилиндрична опашка тип N, DIN 844, Форма А - DIN 1835

D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
4	6	55	11	4	5611 4		
5	6	57	13	4	5611 5		
6	6	57	13	4	5611 6		
7	10	66	16	4	5611 7		
8	10	69	19	4	5611 8		
9	10	69	19	4	5611 9		
10	10	72	22	4	5611 10		
11	12	79	22	4	5611 11		
12	12	83	26	4	5611 12		
14	12	83	26	4	5611 14		
16	16	92	32	4	5611 16		
18	16	92	32	4	5611 18		
20	20	104	38	4	5611 20		
22	20	104	38	6	5611 22		
25	25	121	45	6	5611 25		
28	25	121	45	6	5611 28		



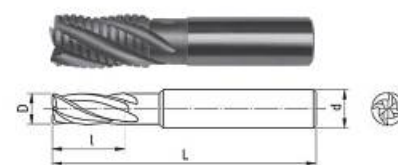
Фрези челно-цилиндрични високопроизводителни форма А с цилиндрична опашка тип NR, DIN 844, Форма А - DIN 1835

D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
8	10	69	19	4	5613 8		
9	10	69	19	4	5613 9		
10	10	72	22	4	5613 10		
11	12	79	22	4	5613 11		
12	12	83	26	4	5613 12		
14	12	83	26	4	5613 14		
16	16	92	32	4	5613 16		
18	16	92	32	5	5613 18		
20	20	104	38	5	5613 20		
22	20	104	38	5	5613 22		
25	25	121	45	5	5613 25		
28	25	121	45	6	5613 28		



Фрези челно-цилиндрични високопроизводителни форма А с цилиндрична опашка тип NF, DIN 844, Форма А - DIN 1835

D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
8	10	69	19	4	5614 8		
9	10	69	19	4	5614 9		
10	10	72	22	4	5614 10		
11	12	79	22	4	5614 11		
12	12	83	26	4	5614 12		
14	12	83	26	4	5614 14		
16	16	92	32	4	5614 16		
18	16	92	32	5	5614 18		
20	20	104	38	5	5614 20		
22	20	104	38	5	5614 22		
25	25	121	45	5	5614 25		
28	25	121	45	6	5614 28		



Фрези удължени челно-цилиндрични форма А с цилиндрична опашка тип N, DIN 844, Форма А - DIN 1835

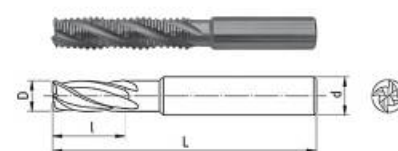
D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
4	6	63	19	4	5641 4		
5	6	68	24	4	5641 5		
6	6	68	24	4	5641 6		
7	10	80	30	4	5641 7		
8	10	88	38	4	5641 8		
9	10	88	38	4	5641 9		
10	10	95	45	4	5641 10		
11	12	102	45	4	5641 11		
12	12	110	53	4	5641 12		
14	12	110	53	4	5641 14		
16	16	123	63	4	5641 16		



D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
18	16	123	63	4	5641 18		
20	20	141	75	4	5641 20		
22	20	141	75	6	5641 22		
25	25	166	90	6	5641 25		
28	25	166	90	6	5641 28		

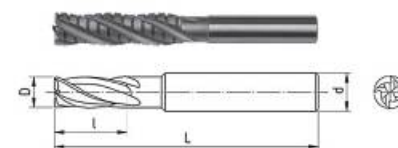
Фрези удължени челно-цилиндрични високопроизводителни форма А с цилиндрична опашка тип NR, DIN 844, Форма А - DIN 1835

D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
8	10	88	38	4	5643 8		
9	10	88	38	4	5643 9		
10	10	95	45	4	5643 10		
11	12	102	45	4	5643 11		
12	12	110	53	4	5643 12		
14	12	110	53	4	5643 14		
16	16	123	63	4	5643 16		
18	16	123	63	5	5643 18		
20	20	141	75	5	5643 20		
22	20	141	75	5	5643 22		
25	25	166	90	5	5643 25		
28	25	166	90	6	5643 28		



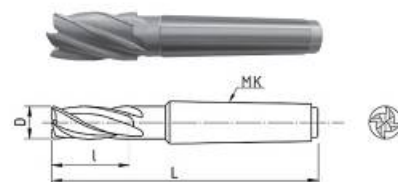
Фрези удължени челно-цилиндрични високопроизводителни форма А с цилиндрична опашка тип NF, DIN 844, Форма А - DIN 1835

D js14 mm	d h8 mm	L js17 mm	l mm	Брой на зъбите	кат. N	цена, лв.	
						HSS	HSSE
8	10	88	38	4	5643 8		
9	10	88	38	4	5643 9		
10	10	95	45	4	5643 10		
11	12	102	45	4	5643 11		
12	12	110	53	4	5643 12		
14	12	110	53	4	5643 14		
16	16	123	63	4	5643 16		
18	16	123	63	5	5643 18		
20	20	141	75	5	5643 20		
22	20	141	75	5	5643 22		
25	25	166	90	5	5643 25		
28	25	166	90	6	5643 28		



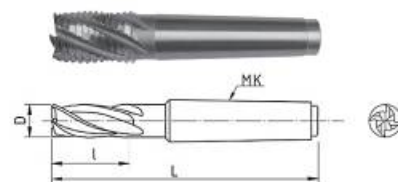
Фрези челно-цилиндрични с конусна опашка тип N, DIN 845

D js14 mm	L js17 mm	l mm	Брой на зъбите	МК AT7	кат. N	цена, лв.	
						HSS	HSSE
10	92	22	4	1	5671 10		
11	92	22	4	1	5671 11		
12	96	26	4	1	5671 12		
14	111	26	4	2	5671 14		
16	117	32	4	2	5671 16		
18	117	32	4	2	5671 18		
20	123	38	4	2	5671 20		
22	123	38	6	2	5671 22		
25	147	45	6	3	5671 25		
28	147	45	6	3	5671 28		
32	178	53	6	4	5671 32		
36	178	53	6	4	5671 36		
40	188	63	6	4	5671 40		
45	188	63	6	4	5671 45		
50	233	75	8	5	5671 50		
56	233	75	8	5	5671 56		
63	248	90	8	5	5671 63		



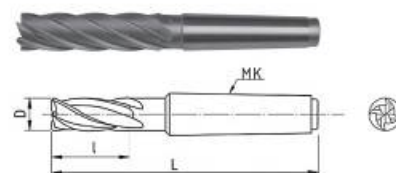
Фрези челно-цилиндрични високопроизводителни с конусна опашка тип NR, DIN 845

D js14 mm	L js17 mm	l mm	Брой на зъбите	МК AT7	кат. N	цена лв.
10	92	22	4	1	5673 10	
11	92	22	4	1	5673 11	
12	96	26	4	1	5673 12	
14	111	26	4	2	5673 14	
16	117	32	4	2	5673 16	
18	117	32	5	2	5673 18	
20	123	38	5	2	5673 20	
22	123	38	5	2	5673 22	
25	147	45	5	3	5673 25	
28	147	45	6	3	5673 28	
32	178	53	6	4	5673 32	
36	178	53	6	4	5673 36	
40	188	63	6	4	5673 40	
45	188	63	8	4	5673 45	
50	233	75	8	5	5673 50	
56	233	75	8	5	5673 56	
63	248	90	10	5	5673 63	



Фрези удължени челно-цилиндрични с конусна опашка тип N, DIN 845

D js14 mm	L js17 mm	l mm	Брой на зъбите	МК AT7	кат. N	цена, лв.	
						HSS	HSSE
10	115	45	4	1	5681 10		
11	115	45	4	1	5681 11		
12	123	53	4	1	5681 12		
14	123	53	4	2	5681 14		
16	148	63	4	2	5681 16		
18	148	63	4	2	5681 18		
20	160	75	4	2	5681 20		
22	160	75	6	2	5681 22		
25	192	90	6	3	5681 25		
28	192	90	6	3	5681 28		
32	231	106	6	4	5681 32		
36	231	106	6	4	5681 36		
40	250	125	6	4	5681 40		
45	250	125	6	4	5681 45		
50	308	150	8	5	5681 50		
56	308	150	8	5	5681 56		
63	308	180	8	5	5681 63		



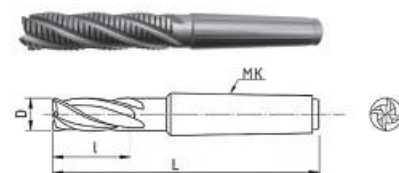
Фрези удължени челно-цилиндрични високопроизводителни с конусна опашка тип NR, DIN 845

D js14 mm	L js17 mm	l mm	Брой на зъбите	МК AT7	кат. N	цена, лв.	
						HSS	HSSE
10	115	45	4	1	5683 10		
11	115	45	4	1	5683 11		
12	123	53	4	1	5683 12		
14	123	53	4	2	5683 14		
16	148	63	4	2	5683 16		
18	148	63	5	2	5683 18		
20	160	75	5	2	5683 20		
22	160	75	5	2	5683 22		
25	192	90	5	3	5683 25		
28	192	90	6	3	5683 28		
32	231	106	6	4	5683 32		
36	231	106	6	4	5683 36		
40	250	125	6	4	5683 40		
45	250	125	8	4	5683 45		
50	308	150	8	5	5683 50		
56	308	150	8	5	5683 56		
63	308	180	10	5	5683 63		



Фрези удължени челно-цилиндрични високопроизводителни с конусна опашка тип NF, DIN 845

D js14 mm	L js17 mm	l mm	Брой на зъбите	МК AT7	кат. N	цена, лв.	
						HSS	HSSE
10	115	45	4	1	5684 10		
11	115	45	4	1	5684 11		
12	123	53	4	1	5684 12		
14	123	53	4	2	5684 14		
16	148	63	4	2	5684 16		
18	148	63	5	2	5684 18		
20	160	75	5	2	5684 20		
22	160	75	5	2	5684 22		
25	192	90	5	3	5684 25		
28	192	90	6	3	5684 28		
32	231	106	6	4	5684 32		
36	231	106	6	4	5684 36		
40	250	125	6	4	5684 40		
45	250	125	8	4	5684 45		
50	308	150	8	5	5684 50		
56	308	150	8	5	5684 56		
63	308	180	10	5	5684 63		



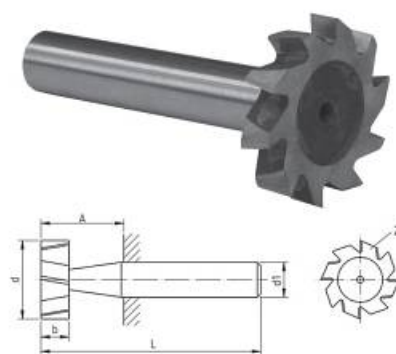
Фрези форма А с прави зъби за канали на сегментни шпонки с цилиндрична опашка тип Н, DIN 850, Форма А - DIN 1835

d mm	b mm	L mm	d ₁ mm	≈A mm	Z	кат. N	цена лв.
16.5	3	56	10	16	12	571 165 3	
16.5	4	56	10	16	12	571 165 4	
16.5	5	56	10	16	12	571 165 5	
19.5	4	63	10	23	12	571 195 4	
19.5	5	63	10	23	12	571 195 5	
19.5	6	63	10	23	12	571 195 6	
22.5	5	63	10	23	12	571 225 5	
22.5	6	63	10	23	12	571 225 6	
22.5	8	63	10	23	12	571 225 8	
25.5	6	63	10	23	14	571 255 6	
28.5	6	63	10	23	16	571 285 6	
28.5	8	63	10	23	16	571 285 8	
28.5	10	71	12	26	16	571 285 10	
32.5	8	71	12	26	18	571 325 8	
32.5	10	71	12	26	18	571 325 10	
45.5	10	71	12	26	20	571 455 10	



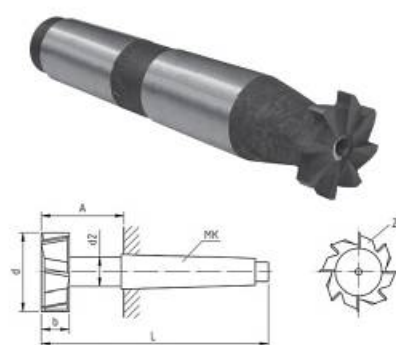
Фрези форма В с кръстосани зъби за канали на сегментни шпонки с цилиндрична опашка тип N, DIN 850, Форма А - DIN 1835

d mm	b mm	L mm	d ₁ mm	≈A mm	Z	кат. N	цена лв.
22.5	5	63	10	23	12	5711 225 5	
22.5	6	63	10	23	12	5711 225 6	
22.5	8	63	10	23	12	5711 225 8	
25.5	6	63	10	23	14	5711 255 6	
28.5	6	63	10	23	16	5711 285 6	
28.5	8	63	10	23	16	5711 285 8	
28.5	10	71	12	26	16	5711 285 10	
32.5	8	71	12	26	18	5711 325 8	
32.5	10	71	12	26	18	5711 325 10	
45.5	10	71	12	26	20	5711 455 10	



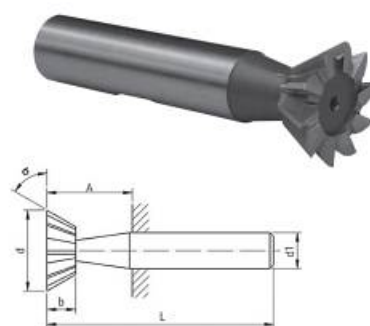
Фрези форма В с кръстосани зъби за Т-канали с конусна опашка тип N, DIN 851, Форма А - DIN 1835

d mm	b mm	L mm	МК	≈A mm	Z	кат. N	цена лв.
18	8	82	1	28	6	577 18	
21	9	102	2	38	6	577 21	
25	11	104	2	40	8	577 25	
32	14	111	2	47	8	577 32	
40	18	140	3	59	8	577 40	
50	22	187	4	84	10	577 50	



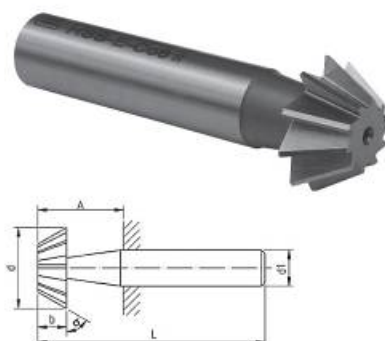
Фрези ъглови форма А с цилиндрична опашка, DIN 1833, Форма А - DIN 1835

σ	d mm	b mm	L mm	d ₁ mm	≈A mm	Z	кат. N	цена лв.
45°	20	5	63	12	18	10	5571 20 45	
45°	25	6.3	67	12	22	10	5571 25 45	
45°	32	8	71	12	25	12	5571 32 45	
50°	20	6.3	63	12	18	10	5571 20 50	
50°	25	8	67	12	22	10	5571 25 50	
50°	32	10	71	12	25	12	5571 32 50	
55°	20	7.1	63	12	18	10	5571 20 55	
55°	25	9	67	12	22	10	5571 25 55	
55°	32	11.2	71	12	25	12	5571 32 55	
60°	20	8	63	12	18	10	5571 20 60	
60°	25	10	67	12	22	10	5571 25 60	
60°	32	12.5	71	12	25	12	5571 32 60	



Фрези ъглови форма В с цилиндрична опашка, DIN 1833,
Форма А - DIN 1835

σ	d mm	b mm	L mm	d ₁ mm	≈A mm	Z	кат. N	цена лв.
45°	20	5	63	12	18	10	5581 20 45	
45°	25	6.3	67	12	22	10	5581 25 45	
45°	32	8	71	12	25	12	5581 32 45	
60°	20	8	63	12	18	10	5581 20 60	
60°	25	10	67	12	22	10	5581 25 60	
60°	32	12.5	71	12	25	12	5581 32 60	



Фрези челно-цилиндрични с надлъжен шпонков канал,
DIN 1880, Тип N

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	8	511 40	
50	22	36	8	511 50	
63	27	40	10	511 63	
80	27	45	10	511 80	
100	32	50	12	511 100	
125	40	56	14	511 125	



Фрези челно-цилиндрични с надлъжен шпонков канал,
DIN 1880, Тип H

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	12	512 40	
50	22	36	12	512 50	
63	27	40	14	512 63	
80	27	45	16	512 80	
100	32	50	18	512 100	
125	40	56	22	512 125	



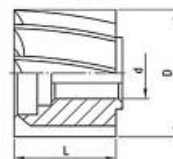
Фрези челно-цилиндрични високопроизводителни с надлъжен
шпонков канал, DIN 1880, Тип NR

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	8	514 40	
50	22	36	8	514 50	
63	27	40	10	514 63	
80	27	45	10	514 80	
100	32	50	12	514 125	
125	40	56	14	514 100	



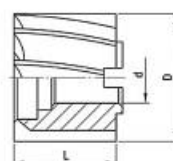
Фрези челно-цилиндрични високопроизводителни с надлъжен шпонков канал, DIN 1880, Тип NF

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	8	515 40	
50	22	36	8	515 50	
63	27	40	10	515 63	
80	27	45	10	515 80	
100	32	50	12	515 125	
125	40	56	14	515 100	



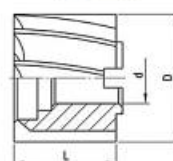
Фрези челно-цилиндрични с челен шпонков канал, DIN 1880, Тип N

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	8	521 40	
50	22	36	8	521 50	
63	27	40	10	521 63	
80	27	45	10	521 80	
100	32	50	12	521 125	
125	40	56	14	521 100	



Фрези челно-цилиндрични с челен шпонков канал, DIN 1880, Тип H

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	12	522 40	
50	22	36	12	522 50	
63	27	40	14	522 63	
80	27	45	16	522 80	
100	32	50	18	522 125	
125	40	56	22	522 100	



Фрези челно-цилиндрични високопроизводителни с челен шпонков канал, DIN 1880, Тип NR

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	8	524 40	
50	22	36	8	524 50	
63	27	40	10	524 63	
80	27	45	10	524 80	
100	32	50	12	524 125	
125	40	56	14	524 100	



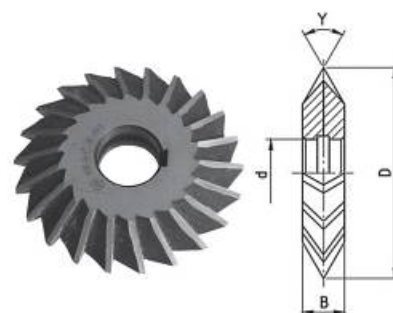
Фрези челно-цилиндрични високопроизводителни
с челен шпонков канал, DIN 1880, Тип NF

D js16 mm	d H7 mm	L js16 mm	Брой на зъбите	кат. N	цена лв.
40	16	32	8	525 40	
50	22	36	8	525 50	
63	27	40	10	525 63	
80	27	45	10	525 80	
100	32	50	12	525 125	
125	40	56	14	525 100	



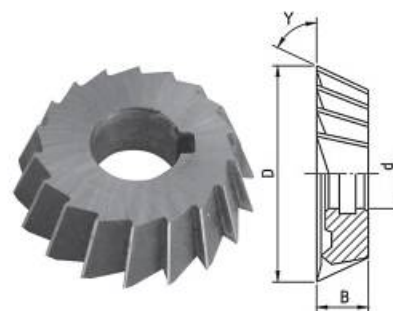
Фрези двуъглови симетрични, DIN 847

D js16 mm	d H7 mm	B js16 mm	γ°	Брой на зъбите	кат. N	цена лв.
50	16	8	45	20	531 50 45	
50	16	10	60	18	531 50 60	
50	16	14	90	16	531 50 90	
63	22	10	45	22	531 63 45	
63	22	14	60	20	531 63 60	
63	22	20	90	18	531 63 90	
80	27	12	45	24	531 80 45	
80	27	18	60	22	531 80 60	
80	27	22	90	20	531 80 90	
100	32	18	45	26	531 100 45	
100	32	25	60	24	531 100 60	
100	32	32	90	22	531 100 90	



Фрези едноъглови форма А за прави канали, DIN 1823,
Изпълнение R /дяснорежещи/

D js16 mm	d H7 mm	B js16 mm	γ°	Брой на зъбите	кат. N	цена лв.
50	16	12	60	16	530 50 60 R	
50	16	12	65	16	530 50 65 R	
50	16	12	75	16	530 50 75 R	
63	22	18	60	18	530 63 60 R	
63	22	18	70	18	530 63 70 R	
63	22	18	75	16	530 63 75 R	
63	22	18	80	16	530 63 80 R	



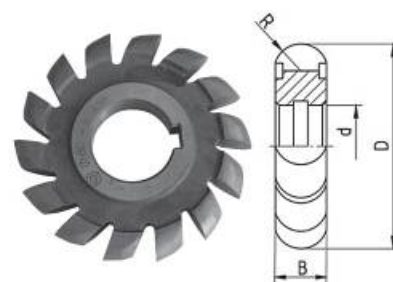
Фрези ъглови за направляващи тип Н, DIN 842, Изпълнение R /дяснорежещи/

D js16 mm	d H7 mm	B js16 mm	γ°	Брой на зъбите	кат. N	цена лв.
40	10	10	45	14	553 40 45 R/L	
40	10	13	50	14	553 40 50 R/L	
40	10	13	55	14	553 40 55 R/L	
40	10	13	60	14	553 40 60 R/L	
50	13	13	45	16	553 50 45 R/L	
50	13	16	50	16	553 50 50 R/L	
50	13	16	55	16	553 50 55 R/L	
50	13	16	60	16	553 50 60 R/L	
63	16	18	45	18	553 63 45 R/L	
63	16	20	50	18	553 63 50 R/L	
63	16	20	55	18	553 63 55 R/L	
63	16	20	60	18	553 63 60 R/L	
80	22	22	45	20	553 80 45 R/L	
80	22	25	50	20	553 80 50 R/L	
80	22	25	55	20	553 80 55 R/L	
80	22	25	60	20	553 80 60 R/L	
100	27	28	45	22	553 100 45 R/L	
100	27	32	50	22	553 100 50 R/L	
100	27	32	55	22	553 100 55 R/L	
100	27	32	60	22	553 100 60 R/L	
125	32	36	45	24	553 125 45 R/L	
125	32	40	50	24	553 125 50 R/L	
125	32	40	55	24	553 125 55 R/L	
125	32	40	60	24	553 125 60 R/L	



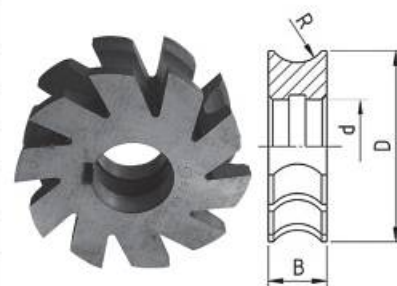
Фрези полукръгли изпъкнали, DIN 856, Тип N

R h11 mm	D js16 mm	d H7 mm	B mm	Брой на зъбите	кат. N	цена лв.
1	50	16	2	16	540 1	
1.25	50	16	2.5	16	540 1.25	
1.6	50	16	3.2	16	540 1.6	
2	50	16	4	14	540 2	
2.5	63	22	5	14	540 2.5	
3	63	22	6	14	540 3	
3.15	63	22	6.3	14	540 3.15	
4	63	22	8	14	540 4	
5	63	22	10	12	540 5	
6	80	27	12	14	540 6	
6.3	80	27	12.6	12	540 6.3	
8	80	27	16	12	540 8	
10	100	32	20	12	540 10	
12	100	32	24	10	540 12	
12.5	100	32	25	10	540 12.5	
16	125	32	32	12	540 16	
20	125	32	40	10	540 20	

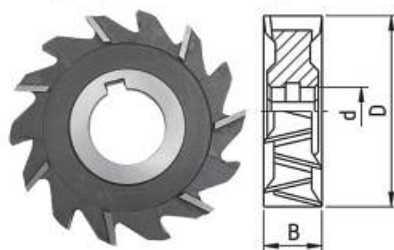


Фрези полукръгли вдлъбнати, DIN 855, Тип N

R h11 mm	D js16 mm	d H7 mm	B mm	Брой на зъбите	кат. N	цена лв.
1	50	16	6	14	541 1	
1.25	50	16	6	14	541 1.25	
1.6	50	16	8	14	541 1.6	
2	50	16	9	14	541 2	
2.5	63	22	10	14	541 2.5	
3	63	22	12	12	541 3	
3.15	63	22	12	12	541 3.15	
4	63	22	16	12	541 4	
5	63	22	20	12	541 5	
6	80	27	24	12	541 6	
6.3	80	27	24	10	541 6.3	
8	80	27	32	10	541 8	
10	100	32	36	10	541 10	
12	100	32	40	10	541 12	
12.5	100	32	40	10	541 12.5	
16	125	32	50	10	541 16	
20	125	32	60	10	541 20	



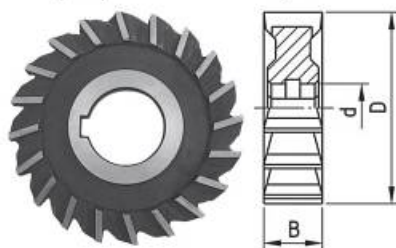
Фрези дискови тристранни форма А с кръстосани зъби, DIN 885, Тип N



D js16 mm	d H7 mm	B k11 mm	Брой на зъбите	кат. N	цена лв.
50	16	5	10	544 50 5	
50	16	6	10	544 50 6	
50	16	8	10	544 50 6	
50	16	10	10	544 50 10	
63	22	5	10	544 63 5	
63	22	6	10	544 63 6	
63	22	8	10	544 63 8	
63	22	10	10	544 63 10	
63	22	12	10	544 63 12	
63	22	14	10	544 63 14	
63	22	16	10	544 63 16	
80	27	6	12	544 80 6	
80	27	8	12	544 80 8	
80	27	10	12	544 80 10	
80	27	12	12	544 80 12	
80	27	14	12	544 80 14	
80	27	16	12	544 80 16	
80	27	18	12	544 80 18	
80	27	20	12	544 80 20	

D js16 mm	d H7 mm	B k11 mm	Брой на зъбите	кат. N	цена лв.
100	32	8	14	544 100 8	
100	32	10	14	544 100 10	
100	32	12	14	544 100 12	
100	32	14	14	544 100 14	
100	32	16	14	544 100 16	
100	32	18	14	544 100 18	
100	32	20	14	544 100 20	
100	32	22	14	544 100 22	
100	32	25	14	544 100 25	
125	32	10	16	544 125 10	
125	32	12	16	544 125 12	
125	32	14	16	544 125 14	
125	32	16	16	544 125 16	
125	32	18	16	544 125 18	
125	32	20	16	544 125 20	
125	32	22	16	544 125 22	
125	32	25	16	544 125 25	

Фрези дискови тристранни форма В с прави зъби, DIN 885, Тип Н



D js16 mm	d H7 mm	B k11 mm	Брой на зъбите	кат. N	цена лв.
50	16	5	10	546 50 5	
50	16	6	10	546 50 6	
50	16	8	10	546 50 6	
50	16	10	10	546 50 10	
63	22	5	10	546 63 5	
63	22	6	10	546 63 6	
63	22	8	10	546 63 8	
63	22	10	10	546 63 10	
63	22	12	10	546 63 12	
63	22	14	10	546 63 14	
63	22	16	10	546 63 16	
80	27	6	12	546 80 6	
80	27	8	12	546 80 8	
80	27	10	12	546 80 10	
80	27	12	12	546 80 12	
80	27	14	12	546 80 14	
80	27	16	12	546 80 16	
80	27	18	12	546 80 18	
80	27	20	12	546 80 20	

D js16 mm	d H7 mm	B k11 mm	Брой на зъбите	кат. N	цена лв.
100	32	8	14	546 100 8	
100	32	10	14	546 100 10	
100	32	12	14	546 100 12	
100	32	14	14	546 100 14	
100	32	16	14	546 100 16	
100	32	18	14	546 100 18	
100	32	20	14	546 100 20	
100	32	22	14	546 100 22	
100	32	25	14	546 100 25	
125	32	10	16	546 125 10	
125	32	12	16	546 125 12	
125	32	14	16	546 125 14	
125	32	16	16	546 125 16	
125	32	18	16	546 125 18	
125	32	20	16	546 125 20	
125	32	22	16	546 125 22	
125	32	25	16	546 125 25	

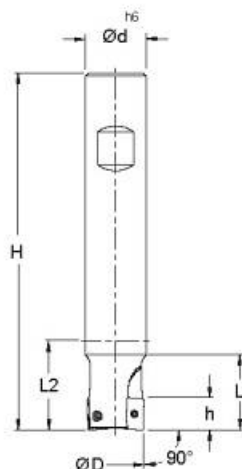


ФРЕЗОВИ ГЛАВИ СЪС СМЕНЯЕМИ ТВЪРДОСПЛАВНИ ПЛАСТИНИ

S1086, S1088

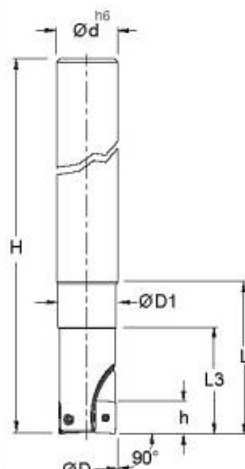
S 1086GXL..10

Ø 20-40 $\gamma_p +7^\circ/+10^\circ$
 $\gamma_r -13,5^\circ/-10^\circ$
 $\gamma_o -13,5^\circ/-10^\circ$



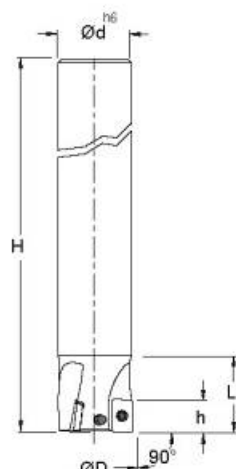
S 1086XLZ..10

Ø 10-32 $\gamma_p -1,5^\circ/+10^\circ$
 $\gamma_r -21^\circ/-11,5^\circ$
 $\gamma_o -21^\circ/-11,5^\circ$



S 1086XLZM..10

Ø 16-25 $\gamma_p -1,5^\circ/+10^\circ$
 $\gamma_r -21^\circ/-11,5^\circ$
 $\gamma_o -21^\circ/-11,5^\circ$



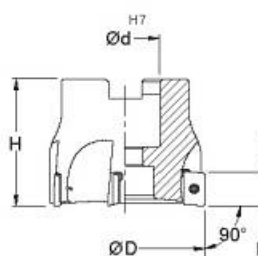
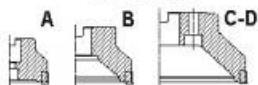
Съвместими твърдосплавни пластини
APKT 1003 .I52
APKT 1003 .L52
APKT 1003 .S52
APKX 1003 .S52
APHT 1003 .Z53
APKT 1003 .Z54
APHT 1003 .S57

Код	ØD mm	Ød/CM mm	ØD1 mm	H mm	h mm	L mm	L2 mm	L3 mm	β	Z	Х	цена лв.
S 1086GXL 20 - 10	20	20	-	130	10	40	80	-	1.5°	2	-	
S 1086GXL 25 - 10	25	25	-	140	10	40	84	-	0.9°	3	-	
S 1086GXL 32 - 10	32	32	-	160	10	50	100	-	0.6°	4	-	
S 1086GXL 40 - 10	40	32	-	200	10	60	140	-	-	5	-	
S 1086XLZ 10 - 10	10	20	11.5	200	10	50	-	18	11°	1	-	
S 1086XLZ 11 - 10	11	20	13.5	200	10	50	-	19	11°	1	-	
S 1086XLZ 12 - 10	12	20	13.5	200	10	50	-	21	9°	1	-	
S 1086XLZ 13 - 10	13	20	15.0	200	10	50	-	22	8.5°	1	-	
S 1086XLZ 14 - 10	14	20	15.5	200	10	50	-	21	8°	1	-	
S 1086XLZ 15 - 10	15	20	16.0	200	10	50	-	23	4°	2	-	
S 1086XLZ 16 - 10	16	20	17.0	200	10	50	-	35	3.5°	2	-	
S 1086XLZ 17 - 10	17	20	18.0	200	10	50	-	35	3°	2	-	
S 1086XLZ 18 - 10	18	20	19.0	200	10	50	-	35	2.5°	2	-	
S 1086XLZ 19 - 10	19	20	19.0	200	10	50	-	35	2°	2	-	
S 1086XLZ 20 - 10	20	20	-	200	10	50	-	50	1.5°	2	-	
S 1086XLZ 22 - 10	22	25	-	220	10	50	-	50	1.5°	2	-	
S 1086XLZ 24 - 10	24	25	-	220	10	50	-	50	1°	3	-	
S 1086XLZ 25 - 10	25	25	-	220	10	50	-	50	0.9°	3	-	
S 1086XLZ 28 - 10	28	32	-	250	10	50	-	50	0.9°	3	-	
S 1086XLZ 29 - 10	29	32	-	250	10	50	-	50	0.8°	3	-	
S 1086XLZ 30 - 10	30	32	-	250	10	50	-	50	0.8°	4	-	
S 1086XLZ 32 - 10	32	32	-	250	10	50	-	50	0.6°	4	-	
S 1086XLZM 16 - 10	16	15	-	150	10	25	-	-	1.5°	2	0.5	
S 1086XLZM 20 - 10	20	19	-	160	10	25	-	-	1.5°	2	0.5	
S 1086XLZM 25 - 10	25	24	-	200	10	25	-	-	0.9°	3	0.5	

S 1088 .. 10

Ø 40-63 $\gamma_p +11\%/+12\%$
 $\gamma_f -10\%/-8\%$
 $\gamma_o -10\%/-8\%$

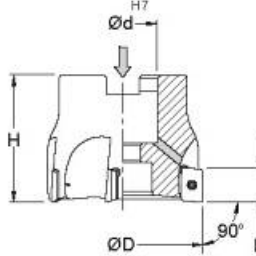
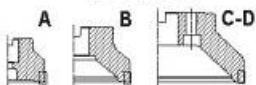
ISO 6462 ...



S 1088W .. 10 S 1088GW .. 10

Ø 40-63 $\gamma_p +11\%/+12\%$
 $\gamma_f -10\%/-8\%$
 $\gamma_o -10\%/-8\%$

ISO 6462 ...

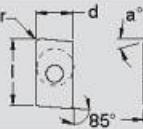


Съвместими твърдосплавни пластини

APKT 1003 .L52
APKT 1003 .L52
APKT 1003 .S52
APKX 1003 .S52
APHT 1003 .Z53
APKT 1003 .Z54
APHT 1003 .S57

Код	ØD mm	Ød mm	H mm	h mm	Z	цена лв.
S 1088 40 - 10	40	22	40	10	6	
S 1088 50 - 10	50	22	40	10	7	
S 1088 63 - 10	63	22	40	10	8	
S 1088W 40 - 10	40	22	40	10	6	
S 1088W 50 - 10	50	22	40	10	7	
S 1088W 63 - 10	63	22	40	10	8	
S 1088GW 40 - 10	40	22	40	10	5	
S 1088GW 50 - 10	50	22	40	10	6	
S 1088GW 63 - 10	63	22	40	10	7	

Пластини за S1086, S1088

код	P			M			K			N			S			H			Ce- mented			Coated grades																	цена лв.
	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	T120			T516	T518M	T526	T528N	T530	T525	F1035	T533	T546	l	d	s	d1	r	a°			
APKT 1003 PDR .I52	●	●	○	○	○	○	○	○	○					○	○	○																105	6.7	3.5	2.8	0.5	11		
APKT 1003 PDER .L52	○	●	●	○	●	○	○	○	○					○	○	○								■								105	6.7	3.5	2.8	0.5	11		
APKT 1003 PDTR .S52	○	●	●	○	●	●		○	○	●			○										■									105	6.7	3.5	2.8	0.5	11		
APKX 1003 PDR .S52	○	●	●	○	●	○	○	○						○				○										■				105	6.7	3.5	2.8	0.5	11		
APKT 1003 PDSR .Z54	○	●	●	○	●	○																			■							105	6.7	3.5	2.8	0.5	11		
APKT 1003 PDER .Z54		●	●																									■				105	6.7	3.5	2.8	0.5	11		
APHT 100312SR .Z53		○		○	●	●										○															■	105	6.7	3.5	2.8	1.2	11		
APHT 100320SR .Z53		○		○	●	●										○															■	105	6.7	3.5	2.8	2.0	11		
APHT 1003 PDFR .S57							●	●	●	●	●	●				○	○	○	■														105	6.7	3.5	2.8	0.5	11	

■ - В наличност.
 □ - По заявка
 ● - Препоръчително приложение
 ○ - Възможно приложение

F - FINISHING, LIGHT MACHINING
 M - MEDIUM MACHINING, GENERIC
 R - ROUGHING, HEAVY MACHINING

P - NOT ALLOY STEEL, ALLOY STEEL
 M - STAINLESS STEEL AUST
 K - CAST IRON

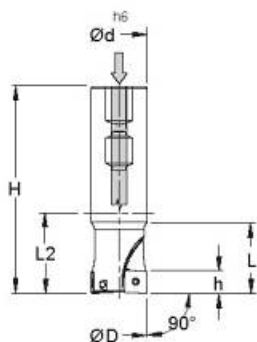
N - ALUMINUM, COPPER, PLASTICS
 S - HIGH TEMP. ALLOY, TITANIUM
 H - HARDENED STEEL

S1296, S1298

S 1296W .. 12

Ø 32-40

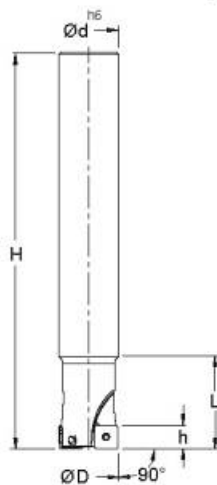
Y_p +8°/+7°
 Y_f -9°/-8°
 Y_0 -9°/-8°



S 1296XLZ .. 12

Ø 32-40

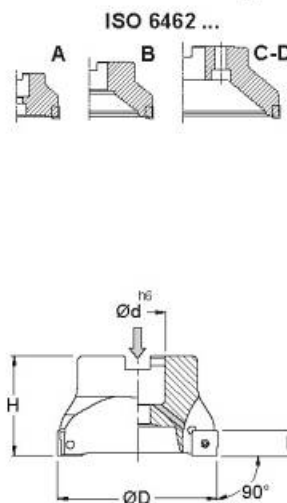
Y_p +8°/+7°
 Y_f -9°/-8°
 Y_0 -9°/-8°



S 1298W ..12 S 1298GW..12

Ø 50-250

Y_p +7°/+8°
 Y_f -8°/-1,6°
 Y_0 -8°/-1,6°



Съвместими
твърдосплавни
пластини

SDMT 1205 .Z51
SDHT 1205 .Z57P
SDMT 1205 .Z62
SDHT 1205 .Z63

Код	ØD mm	Ød mm	H mm	h mm	L mm	L2 mm	Z	цена лв.
S 1296W 32 - 12	32	32	110	10.5	40	50	2	
S 1296W 40 - 12	40	32	115	10.5	45	45	3	
S 1296XLZ 32 - 12	32	32	250	10.5	40	-	2	
S 1296XLZ 40 - 12	40	40	250	10.5	45	-	3	
S 1298W 50 - 12	50	22	40	10.5	-	-	5	
S 1298W 63 - 12	63	22	40	10.5	-	-	6	
S 1298W 80 - 12	80	27	50	10.5	-	-	6	
S 1298W 100 - 12	100	32	50	10.5	-	-	8	
S 1298W 125 - 12	125	40	63	10.5	-	-	9	
S 1298GW 50 - 12	50	22	40	10.5	-	-	3	
S 1298GW 63 - 12	63	22	40	10.5	-	-	4	
S 1298GW 80 - 12	80	27	50	10.5	-	-	5	
S 1298GW 100 - 12	100	32	50	10.5	-	-	6	
S 1298GW 125 - 12	125	40	63	10.5	-	-	7	
S 1298GW 160 - 12	160	40	63	10.5	-	-	8	
S 1298GW 200 - 12	200	60	63	10.5	-	-	10	
S 1298GW 250 - 12	250	60	63	10.5	-	-	12	

Пластини за S1296, S1298

код	P			M			K			N			S			H			Ce- mented	Coated grades											цена лв.
	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R		T115	T3115	T526	T540	T546	l	d	s	d1	r	a°	
SDMT 1205ZZ SN .Z51							●	●	●										■						12.7	12.7	5.0	5.5	0.8	15	
SDHT 120508 FR .Z57P										●	●	●							■						12.7	12.7	5.0	5.5	0.8	15	
SDMT 1205ZZ SN .Z62	●	●		○	○		●	●					○								■				12.7	12.7	5.0	5.5	0.8	15	
SDHT 120512 FR .Z63				●	●																				12.7	12.7	5.0	5.5	1.2	15	

■ - В наличност

□ - По заявка

● - Препоръчително приложение

○ - Възможно приложение

F - FINISHING, LIGHT MACHINING

M - MEDIUM MACHINING, GENERIC

R - ROUGHING, HEAVY MACHINING

P - NOT ALLOY STEEL, ALLOY STEEL

M - STAINLESS STEEL, AUST

K - CAST IRON

N - ALUMINIUM, COPPER, PLASTICS

S - HIGH TEMP ALLOY, TITANIUM

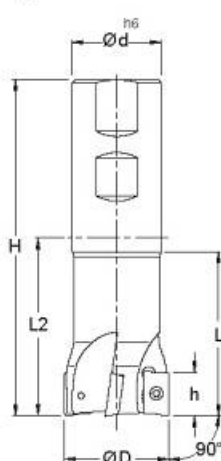
H - HARDENED STEEL

S1696, S1698

S 1696 .. 16

Ø 25-40

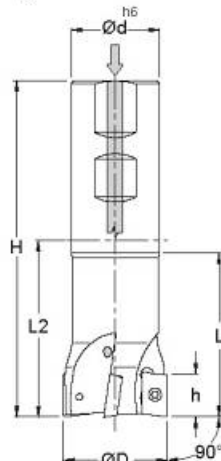
γ_p +4°/+8°
 γ_r -13,5°/-12,5°
 γ_o -13,5°/-12,5°



S 1696W .. 16

Ø 25-40

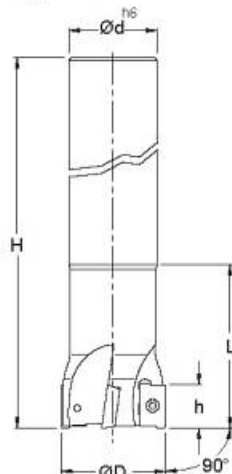
γ_p +4°/+8°
 γ_r -13,5°/-12,5°
 γ_o -13,5°/-12,5°



S 1696XLZ .. 16

Ø 25-40

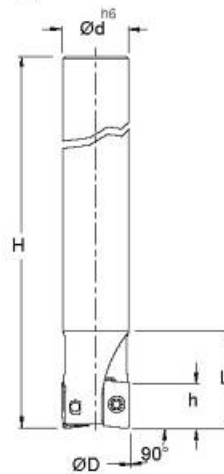
γ_p +4°/+8°
 γ_r -13,5°/-12,5°
 γ_o -13,5°/-12,5°



S 1696XLZM..16

Ø 25-32

γ_p +4°/+8°
 γ_r -13,5°/-12,5°
 γ_o -13,5°/-12,5°

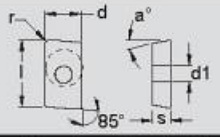


Съвместими твърдосплавни пластини

APKT 1604 .S51/.S54
APKT 1604 .K52
APKT 1604 .S52
APMT 1604 .I52
APKT 1604 .Z52
APFT 1604 .S52
APKX 1604 .S52
APFX 1604 .S52
APKT 1604 .F53
APKT 1604 .Z54
APKT 1604 .K57P

Код	ØD mm	Ød mm	H mm	h mm	L mm	L2 mm	β	Z	χ	цена лв.
S 1696 25 - 16	25	25	100	16	44	44	3.5°	2		
S 1696 32 - 16	32	32	110	16	50	50	2.0°	3		
S 1696 40 - 16	40	32	115	16	55	55	1.5°	4		
S 1696W 25 - 16	25	25	100	16	44	44	3.5°	2		
S 1696W 32 - 16	32	32	110	16	50	50	2.0°	3		
S 1696W 40 - 16	40	32	115	16	55	55	1.5°	4		
S 1696XLZ 25 - 16	25	25	200	16	44	-	3.5°	2	-	
S 1696XLZ 32 - 16	32	32	250	16	50	-	2.0°	3	-	
S 1696XLZ 40 - 16	40	32	250	16	50	-	1.5°	4	-	
S 1696XLZM 25 - 16	25	24	200	16	35	-	3.5°	2	0.5	
S 1696XLZM 32 - 16	32	30	250	16	35	-	2.0°	3	1.0	

Пластины за S1696, S1698

КОД	P			M			K			N			S			H			Ce- mented		Coated grades																цена лв.
	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	T110	T120	T516	T526	T528N	T530	T525	T540	T2340	T544	F8015	l	d	s	d1	r	a°		
APKT 1604 PDR S51				○	○	○	○	●	●	○	○	○	○	○	○						■										17.0	9.45	5.26	4.4	0.4	11	
APKT 1604 PDSR K52													○	●	●														■	17.0	9.45	5.26	4.4	0.4	11		
APMT 1604 PDR J52	○	●	●	○	○	○	○	○	○				○	○	○								■							17.0	9.45	5.26	4.4	0.8	11		
APKT 1604 PDTR S52	○	●	●	○	○	○	○	○	○		○		○	○	○									■						17.0	9.45	5.26	4.4	0.8	11		
APKT 1604 PDSR Z52		●	●		●	●																					■			17.0	9.45	5.26	4.4	0.8	11		
APFT 1604 PDTR S52	○	●	●	○	○	○		○					○			○										■				17.0	9.45	4.76	4.4	0.8	11		
APKX 1604 PDR S52	○	○	●	○	○	○	○	○	○		○					○						■								17.0	9.45	5.76	4.4	0.8	11		
APFX 160416 R S52	○	○	●	○	○	○	○	○					○			○									■					17.0	9.45	4.76	4.4	1.6	11		
APFX 160424 R S52	○	○	●	○	○	○	○	○					○			○									■					17.0	9.45	4.76	4.4	2.4	11		
APFX 160430 R S52	○	○	●	○	○	○	○	○					○			○									■					17.0	9.45	4.76	4.4	3.0	11		
APFX 160440 R S52	○	○	●	○	○	○	○	○					○			○									■					17.0	9.45	4.76	4.4	4.0	11		
APFX 160448 R S52	○	○	●	○	○	○	○	○					○			○									■					17.0	9.45	4.76	4.4	4.8	11		
APFX 160460 R S52	○	○	●	○	○	○	○	○		○			○			○											■			17.0	9.45	4.76	4.4	6.0	11		
APKT 1604 PDSR F53				○	○	○							○	○	○												■			17.0	9.45	5.26	4.4	0.8	11		
APKT 1604 PDTR S54	●	●	○	○	○	○							○												■					17.0	9.45	5.26	4.4	0.4	11		
APKT 1604 PDSR Z54		●	●																			■								17.0	9.45	5.26	4.4	0.8	11		
APKT 1604 PDFR K57P								●	●	●										■										16.4	9.53	4.76	4.4	0.2	11		

■ - В наличност

□ - По заявка

● - Препоръчително приложение

○ - Възможно приложение

F - FINISHING, LIGHT MACHINING

M - MEDIUM MACHINING, GENERIC

R - ROUGHING, HEAVY MACHINING

P - NOT ALLOY STEEL, ALLOY STEEL

M - STAINLESS STEEL, AUST

K - CAST IRON

N - ALUMINIUM, COPPER, PLASTICS

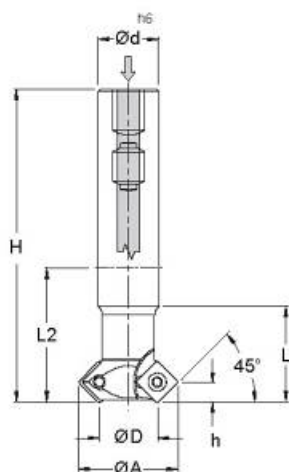
S - HIGH TEMP ALLOY, TITANIUM

H - HARDENED STEEL

S676, S678

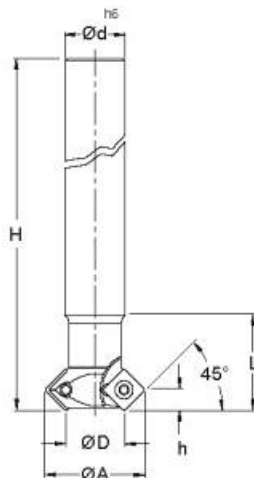
S 676W ..

Ø 09-032



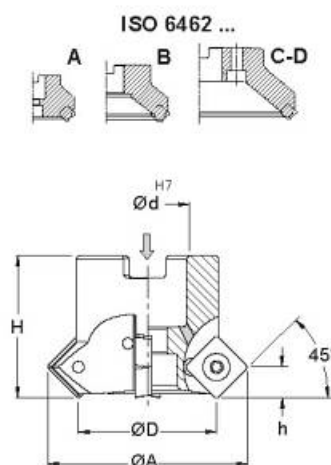
S 676XLZ ..

Ø 09-032



S 678W .. 12

Ø 040-050

Съвместими
твърдосплавни
пластини

SPHT ... A57P

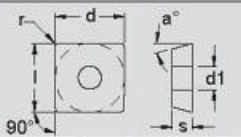
SPMW ... A51

SPMW ... A52

SPMT ... A53

SPMT ... A56

Код	ØD mm	Ød mm	ØA	H mm	h mm	L mm	L2 mm	Z		цена лв.
S 676W 009 - 06	9	16	17.0	90	4.0	29	42	1	060304	
S 676W 016 - 09	16	20	28.0	110	5.8	42	60	2	09T308	
S 676W 025 - 12	25	25	41.5	130	8	40	74	2	120408	
S 676W 032 - 12	32	32	48.5	130	8	50	70	3	120408	
S 676XLZ 009 - 06	9	16	17.0	150	4.0	29	-	1	060304	
S 676XLZ 016 - 09	16	20	28.0	200	5.8	42	-	2	09T308	
S 676XLZ 025 - 12	25	25	41.5	200	8	40	-	2	120408	
S 676XLZ 032 - 12	32	32	48.5	250	8	50	-	3	120408	
S 678W 040 - 12	40	22	56.0	40	8	-	-	4	120408	
S 678W 050 - 12	50	22	66.0	40	8	-	-	5	120408	

КОД	P			M			K			N			S			H			Cemented			Coated grades									цена лв.
	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	N3415	T120	T510	T525	T540	l	d	s	d1	r	a°		
SPHT 060304 A57P										●	●	●							■						6.35	6.35	3.18	2.8	0.4	11	
SPHT 09T308 A57P										●	●	●							■						9.52	9.52	3.97	4.5	0.8	11	
SPHT 120408 A57P										●	●	●							■						12.7	12.7	4.76	5.5	0.8	11	
SPMW 060304 A51	○	●	●				○	●	●		○	○									■				6.35	6.35	3.18	2.8	0.4	11	
SPMW 09T308 A51	○	●	●				○	●	●		○	○									■				9.52	9.52	3.97	4.5	0.8	11	
SPMW 120408 A51	○	●	●				○	●	●		○	○									■				12.7	12.7	4.76	5.5	0.8	11	
SPMW 060304T A52	○	●	●	○	●	●																■	■		6.35	6.35	3.18	2.8	0.4	11	
SPMW 09T308T A52	○	●	●	○	●	●																■	■		9.52	9.52	3.97	4.5	0.8	11	
SPMW 120408T A52	○	●	●	○	●	●																■	■		12.7	12.7	4.76	5.5	0.8	11	
SPMT 060304 A53	●	●	○	●	●	○				○			○										■		6.35	6.35	3.18	2.8	0.4	11	
SPMT 09T308 A53	●	●	○	●	●	○				○			○										■		9.52	9.52	3.97	4.5	0.8	11	
SPMT 120408 A53	●	●	○	●	●	○				○			○										■		12.7	12.7	4.76	5.5	0.8	11	
SPMT 060304 A56	○	●	●				○	●	●													□			6.35	6.35	3.18	2.8	0.4	11	
SPMT 09T308 A56	○	●	●				○	●	●													□			9.52	9.52	3.97	4.5	0.8	11	
SPMT 120408 A56	○	●	●				○	●	●													□			12.7	12.7	4.76	5.5	0.8	11	

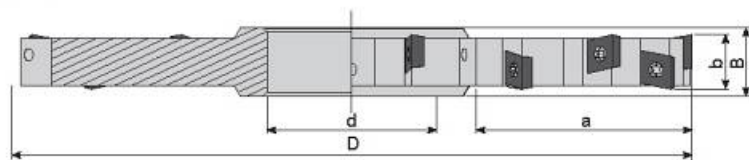
■ - В наличност
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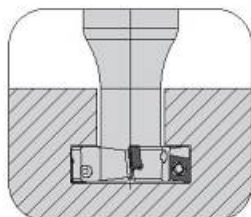
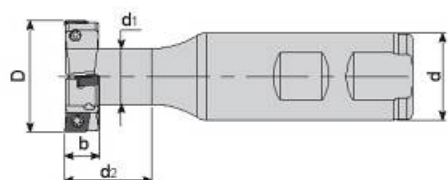
N - ALUMINIUM, COPPER, PLASTICS
S - HIGH TEMP ALLOY, TITANIUM
H - HARDENED STEEL

CC..



Код	Z		D	b	a	d	B		цена лв.
	Total	Effective							
CC06-D80x8-d27-Z10	10	5	80	8	17	27	12	CC.. 0602..	
CC06-D100x8-d32-Z12	12	6	100	8	25	32	12		
CC06-D125x8-d40-Z14	14	7	125	8	35	40	12		
CC06-D160x8-d40-Z16	16	8	160	8	52	40	12		
CC06-D200x8-d40-Z18	18	9	200	8	70	40	12		
CC06-D80x10-d27-Z10	10	5	80	10	17	27	14		
CC06-D100x10-d32-Z12	12	6	100	10	25	32	14		
CC06-D125x10-d40-Z14	14	7	125	10	35	40	14		
CC06-D160x10-d40-Z16	16	8	160	10	52	40	14		
CC06-D200x10-d40-Z18	18	9	200	10	70	40	14		
CC09-D80x12-d27-Z08	8	4	80	12	17	27	16	CC.. 09T3..	
CC09-D100x12-d32-Z10	10	5	100	12	25	32	16		
CC09-D125x12-d40-Z12	12	6	125	12	35	40	16		
CC09-D160x12-d40-Z14	14	7	160	12	52	40	16		
CC09-D200x12-d40-Z16	16	8	200	12	70	40	16		
CC09-D80x14-d27-Z08	8	4	80	14	17	27	18		
CC09-D100x14-d32-Z10	10	5	100	14	25	32	18		
CC09-D125x14-d40-Z12	12	6	125	14	35	40	18		
CC09-D160x14-d40-Z14	14	7	160	14	52	40	18		
CC09-D200x14-d40-Z16	16	8	200	14	70	40	18		
CC12-D80x16-d27-Z06	6	3	80	16	17	27	20	CC.. 1204..	
CC12-D100x16-d32-Z08	8	4	100	16	25	32	20		
CC12-D125x16-d40-Z10	10	5	125	16	35	40	20		
CC12-D160x16-d40-Z12	12	6	160	16	52	40	20		
CC12-D200x16-d40-Z14	14	7	200	16	70	40	20		
CC12-D80x18-d27-Z06	6	3	80	18	17	27	22		
CC12-D100x18-d32-Z08	8	4	100	18	25	32	22		
CC12-D125x18-d40-Z10	10	5	125	18	35	40	22		
CC12-D160x18-d40-Z12	12	6	160	18	52	40	22		
CC12-D200x18-d40-Z14	14	7	200	18	70	40	22		
CC12-D250x18-d40-Z16	16	8	250	18	90	40	22		
CC12-D80x20-d27-Z06	6	3	80	20	17	27	24		
CC12-D100x20-d32-Z08	8	4	100	20	25	32	24		
CC12-D125x20-d40-Z10	10	5	125	20	35	40	24		
CC12-D160x20-d40-Z12	12	6	160	20	52	40	24		
CC12-D200x20-d40-Z14	14	7	200	20	70	40	24		
CC12-D250x20-d40-Z16	16	8	250	20	90	40	24		

CC..



Код	Z		D	b	d	L	d1	d2		цена лв.
	Total	Effective								
CC06-D17X8-W16-L85-Z02	2	1	17	8	16	85	10	16	CC.. 0602..	
CC06-D32X8-W25-L100-Z04	4	2	32	8	25	100	16	23		
CC06-D28X8-W20-L66-Z04	2	1	28	8	20	66	14	15.5		
CC06-D45.5X8-W25-L100-Z06	6	3	45.5	8	25	100	12	30		
CC06-D63X8-W32-L125-Z08	8	4	63	8	32	125	31.5	30		
CC06-D18X9-W16-L90-Z02	2	1	18	9	16	90	10	16		
CC06-D20X9-W16-L85-Z04	4	2	20	9	16	85	10	16		
CC06-D23X10-W20-L90-Z04	4	2	23	10	20	90	12	25		
CC06-D32X10-W25-L100-Z04	4	2	32	10	25	100	16	25		
CC06-D45X10-W32-L120-Z06	6	3	45	10	32	120	20	25		
CC06-D25X11-W25-L100-Z04	4	2	25	11	25	100	13	20	CC.. 09T3..	
CC09-D30X12-W25-L100-Z04	4	2	30	12	25	100	16	25		
CC09-D32X12-W25-L100-Z02	2	1	32	12	25	100	16	25		
CC09-D32X12-W25-L100-Z04	4	2	32	12	25	100	16	25		
CC09-D32X14-W25-L100-Z04	4	2	32	14	25	100	16	25		
CC09-D37X16-W32-L120-Z04	4	2	37	16	32	120	17	30		
CC09-D42X17-W32-L120-Z04	4	2	42	17	32	120	19	30		
CC09-D40X17-W32-L120-Z04-H	4	2	40	17	32	120	19	30		
CC12-D47X20-W32-L120-Z04	4	2	47	20	32	120	25	45	CC.. 1204..	
CC12-D52X21-W32-L120-Z04	4	2	52	21	32	120	25	45		
CC12-D50X22-W32-L120-Z04	4	2	50	22	32	120	25	45		
CC12-D55X22-W32-L120-Z04	4	2	55	22	32	120	25	45		

фрезови глави със сменяеми твърдосплавни пластини

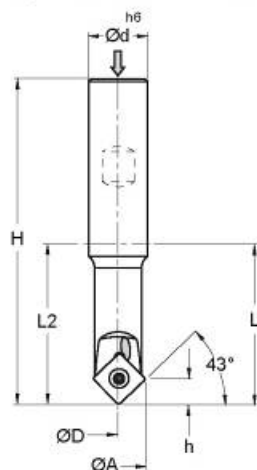


S614 - Инструмент за фаски

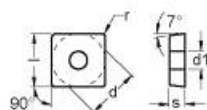
S 614.45W-0-12

Съвместими
твърдосплавни
пластини

SCMX 120408ZN .S52



Код	ØD mm	Ød mm	ØA mm	H mm	h mm	L mm	L2 mm	Z	цена лв.
S 614.45W-0-12	0	20	18.4	110	7.8	50	60	1	



■ - В наличност

● - Препоръчително приложение

□ - По заявка

○ - Възможно приложение

Материал						Cermet		Cemented		Coated grades						цена лв.
Steel																
Stainless steel																
Cast iron																
Aluminium alloys																
Heat resistant alloys																
код	l	d	s	d1	r											цена лв.
SCMX 120408 ZN .S52	12.9	12.7	4.76	5.3	0.8											

Автоматична динамометрична отвертка Dinaplug - комплект

Код	цена, лв.
KITDP00000	

в комплекта
№1 Отвертка DINAPLUS
№1 TORX T6 (Nm0,6)
№1 TORX T7 (Nm0,9)
№1 TORX T8 (Nm1,2)
№1 TORX T9 (Nm1,4)
№1 TORX T10 (Nm2,0)
№1 TORX T15 (Nm3,0)
№1 TORX T20 (Nm5,0)

в комплекта
№1 TORX PLUS IP6 (Nm0,6)
№1 TORX PLUS IP7 (Nm0,9)
№1 TORX PLUS IP8 (Nm1,2)
№1 TORX PLUS IP9 (Nm1,4)
№1 TORX PLUS IP10 (Nm2,0)
№1 TORX PLUS IP15 (Nm3,0)
№1 TORX PLUS IP20 (Nm5,0)



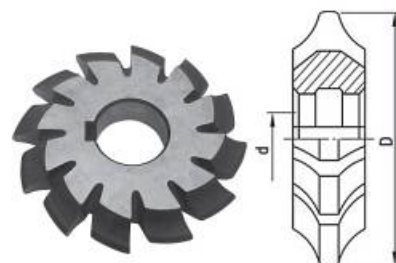
ЗЪБОНАРЕЗНИ ИНСТРУМЕНТИ

Фрези дискови зъбонарезни, HSS, Ъгъл на изходния контур - 20°

Модул m	D js16 mm	d h7 mm	цена лв.
1.75	55	22	
2	63	22	
2.25	63	22	
2.5	70	22	
2.75	70	22	
3	80	27	
3.25	80	27	
3.5	80	27	
3.75	80	27	
4	90	27	
4.25	90	27	
4.5	90	27	
5	100	27	
5.5	100	27	
6	110	32	
6.5	110	32	
7	110	32	
8	125	32	
9	125	32	
10	140	40	

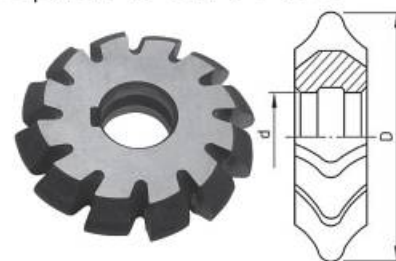
Дисковите зъбонарезни модулни фрези се изработват в комплект. До модул 8 вкл. комплектът се състои от 8 номера фрези. Модул 9 и 10 се състоят от 15 номера фрези. Фреза със съответния номер на комплекта нарязва зъбно колело с брой на зъбите съгласно следната таблица:

№ на фрезата от комплекта	Брой на зъбите на нарязваните зъбни колела	
	Комплект от 8 фрези	Комплект от 15 фрези
1	12-13	12
1 1/2	-	13
2	14-16	14
2 1/2	-	15-16
3	17-20	17-18
3 1/2	-	19-20
4	21-25	21-22
4 1/2	-	23-25
5	26-34	26-29
5 1/2	-	30-34
6	35-54	35-41
6 1/2	-	42-54
7	55-134	55-79
7 1/2	-	80-134
8	135 - ∞	



Фрези дискови за верижни зъбни колела, HSS, Профил по DIN 8198

Стъпка t вер.		ø на ролката в mm dp	D js16 mm	d H7 mm	цена лв.
в цолове	mm				
1/4"	6.35	3.3	63	22	
5/16"	8	5	63	22	
3/8"	9.525	5	71	22	
3/8"	9.525	5.08	71	22	
3/8"	9.525	6	71	22	
3/8"	9.525	6.35	71	22	
1/2"	12.7	7.75	71	22	
1/2"	12.7	7.94	71	22	
1/2"	12.7	8.51	71	22	
5/8"	15.875	10.16	90	27	
3/4"	19.05	11.91	90	27	
3/4"	19.05	12.07	90	27	
1" *	25.4	8.51	100	27	
1"	25.4	15.88	100	27	
1 3/16"	30.00	15.88	100	27	
1 1/4" *	31.75	10.16	110	32	
1 1/4"	31.75	19.05	110	32	



Дисковите зъбонарезни фрези за верижни зъбни колела се изработват в комплект от пет номера. Всеки номер фреза е предназначен за фрезование на верижно зъбно колело с определен брой зъби, съгласно следната таблица:

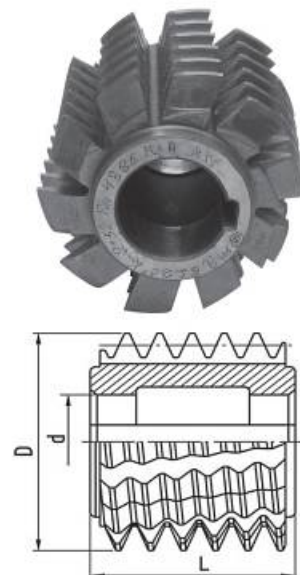
Фреза №	Брой на зъбите	
	За вериги с нормална стъпка	За вериги с дълга стъпка
1	от 6 до 8	от 6 до 8
2	от 9 до 11	от 9 до 15
3	от 12 до 16	над 15
4	от 17 до 29	
5	над 29	

* Изработват се №1, 2 и 3. №3 важи и за №4 и 5

Фрези червячни едноходови за окончателна обработка на цилиндрични зъбни колела, DIN 8002 HSS, Изпълнение "B" с надлъжен шпонков канал, Изходен профил II DIN 3972

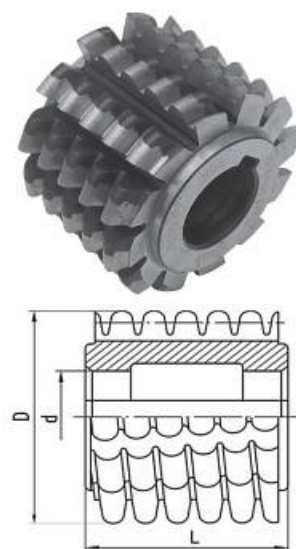
Модул mm	D js16 mm	L js16 mm	d mm	цена лв.
1	50	31	22	
1.25	50	31	22	
1.5	56	38	22	
1.75	56	38	22	
2	63	46	27	
2.25	70	56	27	
2.5	70	56	27	
2.75	70	56	27	
3	80	69	32	
3.25	80	69	32	
3.5	80	69	32	
3.75	90	78	32	
4	90	78	32	
4.5	90	78	32	
5	100	88	32	
5.5	100	88	32	
6	110	108	40	
6.5	110	108	40	
7	110	108	40	
8	125	138	40	
9	125	138	40	

Фрезите се изработват с клас на точност A, B и C и шлифован профил на зъбите. DIN 3968



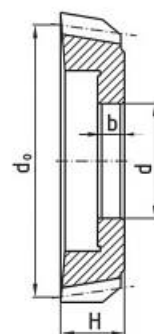
Фрези червячни едноходови за верижни зъбни колела, HSS, Изходен профил по DIN 8197

Стъпка t вер.		ø на ролката в mm dp	D js16 mm	L js16 mm	d H7 mm	цена лв.
в цолове	mm					
5/16"	8	5	63	40	27	
3/8"	9.525	5	70	50	27	
3/8"	9.525	5.08	70	50	27	
3/8"	9.525	6	70	50	27	
3/8"	9.525	6.35	70	50	27	
1/2"	12.7	7.75	80	63	32	
1/2"	12.7	8.51	80	63	32	
5/8"	15.875	10.16	90	70	32	
3/4"	19.05	11.91	100	90	32	
3/4"	19.05	12.07	100	90	32	
1"	25.4	15.88	112	100	40	
1"	25.4	8.51	80	100	32	
1 1/4"	31.75	19.05	125	140	40	
1 1/4"	31.75	10.16	90	140	32	
1 1/2"	38.1	22.23	140	160	40	
1 1/2"	38.1	25.4	140	160	40	
1 1/2"	38.1	11.91	100	160	32	
1 1/2"	38.1	12.07	100	160	32	
1 3/4"	44.45	25.4	160	180	50	
1 3/4"	44.45	27.94	160	180	50	
2"	50.08	15.88	112	200	40	
2"	50.08	28.58	180	200	50	
2"	50.08	29.21	180	200	50	



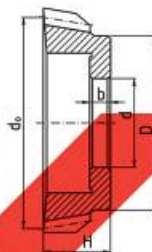
Колела зъбодълбачни дискови с прави зъби за окончателна обработка, DIN 1825 HSS, Изходен профил II DIN 3972, Класове на точност A и B

Модул m	Брой на зъбите	d_o	H min	b min	d H4	цена лв.
С номинален делителен диаметър 75 mm						
1.75	43	75.25	18	8	31.745	
2	38	76	20	9	31.745	
2.25	34	76.50	20	9	31.745	
2.5	30	75	20	9	31.745	
2.75	28	77	22	9	31.745	
3	25	75	22	9	31.745	
3.5	22	77	22	9	31.745	
4	19	76	24	10	31.745	
4.5	17	76.5	24	10	31.745	
С номинален делителен диаметър 100 mm						
1.75	58	101.5	20	9	44.450	
2	50	100	20	9	44.450	
2.25	45	101.25	20	9	44.450	
2.5	40	100	20	9	44.450	
2.75	36	99	24	10	44.450	
4	25	100	24	10	44.450	
4.5	22	99	24	10	44.450	
5	20	100	24	10	44.450	
5.5	18	99	24	11	44.450	
6	17	102	24	11	44.450	
С номинален делителен диаметър 125 mm						
5	26	130	26	11	44.450	
5.5	24	132	26	12	44.450	
6	22	132	26	12	44.450	
7	18	126	26	12	44.450	
8	16	128	31	12	44.450	
9	15	135	31	12	44.450	

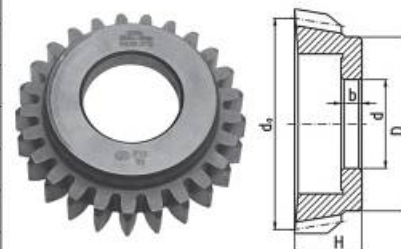


Колела зъбодълбачни чашковидни с прави зъби за окончателна обработка, DIN 1826 HSS, Изходен профил II DIN 3972, Класове на точност A и B

Модул m	Брой на зъбите	d_o	H min	b min	d H4	цена лв.
С номинален делителен диаметър 75 mm						
1.75	43	75.25	41	9	31.745	
2	38	76	41	9	31.745	
2.25	34	76.50	41	9	31.745	
2.5	32	80	41	9	31.745	
2.75	28	77	41	9	31.745	
3	25	75	43	10	31.745	
3.5	22	77	43	10	31.745	

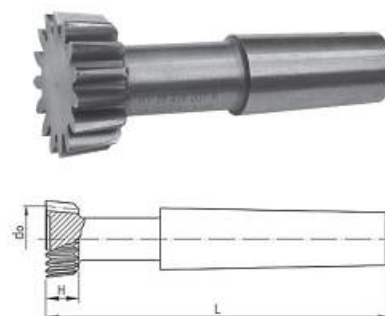


Модул m	Брой на зъбите	d _o	H min	b min	d H4	цена лв.
С номинален делителен диаметър 100 mm						
1.75	58	101.5	46	11	44.450	
2	50	100	46	11	44.450	
2.25	45	101.25	46	11	44.450	
2.5	40	100	46	11	44.450	
2.75	36	99	46	11	44.450	
4	25	100	46	12	44.450	
4.5	22	99	46	12	44.450	
5	20	100	46	12	44.450	
5.5	18	99	46	12	44.450	
6	17	102	46	12	44.450	
С номинален делителен диаметър 125 mm						
5	26	130	48	12	44.450	
6	22	132	48	12	44.450	
7	18	126	48	12	44.450	



Колела зъбодълбачни с конусна опашка с прави зъби за окончателна обработка, DIN 1825 HSS, Изходен профил II DIN 3972, Клас на точност B

Модул m	Брой на зъбите	d _o	H min	L min	МК /скъсен/	цена лв.
С номинален делителен диаметър 25 mm						
1	26	26	14	80	B18	
1.25	20	25	14	80	B18	
1.5	18	27	14	80	B18	
1.75	14	24.5	16	80	B18	
2	12	24	16	80	B18	
2.25	12	27	16	80	B18	
2.5	10	25	16	80	B18	
2.75	10	27.5	18	80	B18	
3	9	27	18	80	B18	
С номинален делителен диаметър 38 mm						
1	38	38	14	100	B24	
1.25	30	37.5	14	100	B24	
1.5	25	37.5	14	100	B24	
1.75	22	38.5	16	100	B24	
2	19	38	16	100	B24	
2.25	16	36	16	100	B24	
2.5	15	37.5	16	100	B24	
2.75	14	38.5	18	100	B24	
3	12	36	18	100	B24	
3.25	12	39	18	100	B24	
3.5	11	38.5	18	100	B24	
3.75	10	37.5	18	100	B24	
4	10	40	18	100	B24	



Шевери дискови, Класове на точност А, В и С, Ъгъл на винтовата линия на зъбите $\beta_0 = 10^\circ$ с ляв и десен наклон

Модул m	Брой на зъбите	d	B	β_0	цена лв.
С номинален делителен диаметър 85 mm					
1.5	58	31.743	16	10°	

Шевери дискови, Класове на точност А, В и С, Ъгъл на винтовата линия на зъбите $\beta_0 = 5^\circ$ и 15° с ляв и десен наклон

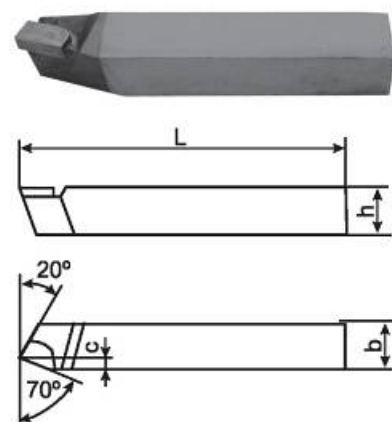
Модул m	Брой на зъбите	d	B	β_0	цена лв.
С номинален делителен диаметър 180 mm					
1.25	115	63.5	21	5°	15°
1.375	115	63.5	21	5°	15°
1.5	115	63.5	21	5°	15°
1.75	100	63.5	21	5°	15°
2	83	63.5	21	5°	15°
2.25	73	63.5	21	5°	15°
2.5	67	63.5	21	5°	15°
2.75	61	63.5	21	5°	15°
3	53	63.5	21	5°	15°
3.25	53	63.5	21	5°	15°
3.5	47	63.5	21	5°	15°
3.75	43	63.5	21	5°	15°
4	41	63.5	21	5°	15°
4.25	41	63.5	21	5°	15°
4.5	37	63.5	21	5°	15°
5	31	63.5	21	5°	15°
5.5	29	63.5	21	5°	15°
6	29	63.5	21	5°	15°
С номинален делителен диаметър 250 mm					
2	115	63.5	26	5°	15°
2.25	103	63.5	26	5°	15°
2.5	91	63.5	26	5°	15°
2.75	83	63.5	26	5°	15°
3	73	63.5	26	5°	15°
3.25	71	63.5	26	5°	15°
3.5	67	63.5	26	5°	15°
3.75	61	63.5	26	5°	15°
4	53	63.5	26	5°	15°
4.25	53	63.5	26	5°	15°
4.5	51	63.5	26	5°	15°
5	43	63.5	26	5°	15°
5.5	41	63.5	26	5°	15°
6	37	63.5	26	5°	15°
6.5	37		26	5°	15°
7	31		26	5°	15°
8	29		26	5°	15°



НОЖОВЕ СТРУГАРСКИ

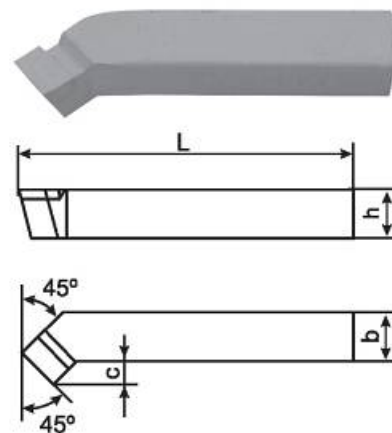
Проходен прав нож, ISO 243, DIN 4971

Код	h mm	b mm	L mm	c mm	цена лв.
1010R/L	10	10	90	4	
1212R/L	12	12	100	5	
1616R/L	16	16	110	6	
2020R/L	20	20	125	8	
2525R/L	25	25	140	10	
3232R/L	32	32	170	12	
4040R/L	40	40	200	16	
5050R/L	50	50	240	20	
1610R/L	16	10	110	4	
2012R/L	20	12	125	5	
2516R/L	25	16	140	6	
3220R/L	32	20	170	8	
4025R/L	40	25	200	10	
5032R/L	50	32	240	12	



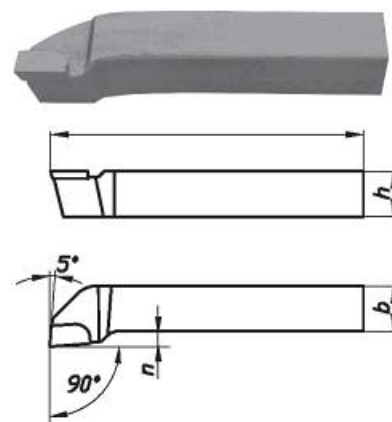
Проходен извит нож, ISO 243, DIN 4972

Код	h mm	b mm	L mm	c mm	цена лв.
1010R/L	10	10	90	6	
1212R/L	12	12	100	7	
1616R/L	16	16	110	8	
2020R/L	20	20	125	10	
2525R/L	25	25	140	12	
3232R/L	32	32	170	14	
4040R/L	40	40	200	18	
5050R/L	50	50	240	22	
1610R/L	16	10	110	6	
2012R/L	20	12	125	7	
2516R/L	25	16	140	10	
3220R/L	32	20	170	13	
4025R/L	40	25	200	16	
5032R/L	50	32	240	18	



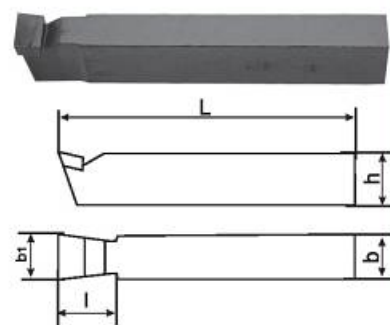
Подрезен нож, ISO 243, DIN 4978

Код	h mm	b mm	L mm	n mm	цена лв.
1010R/L	10	10	90	4	
1212R/L	12	12	100	5	
1616R/L	16	16	110	6	
2020R/L	20	20	125	8	
2525R/L	25	25	140	10	
3232R/L	32	32	170	12	
4040R/L	40	40	200	14	
5050R/L	50	50	240	18	
1610R/L	16	10	110	5	
2012R/L	20	12	125	6	
2516R/L	25	16	140	8	
3220R/L	32	20	170	10	
4025R/L	40	25	200	12	
5032R/L	50	32	240	14	



Чистови широк нож, ISO 243, DIN 4976

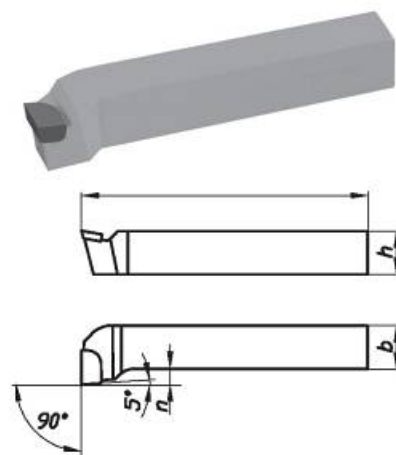
Код	h	b	L	b ₁	l	цена лв.
1010	10	10	90	10	10	
1212	12	12	100	12	12	
1616	16	16	110	16	16	
2020	20	20	125	20	20	
2525	25	25	140	25	25	
3232	32	32	170	32	32	
4040	40	40	200	40	40	
1610	16	10	110	10	10	
2012	20	12	125	12	12	
2516	25	16	140	16	16	
3220	32	20	170	20	20	
4025	40	25	200	25	25	
5032	50	32	240	32	32	



ножове стругарски

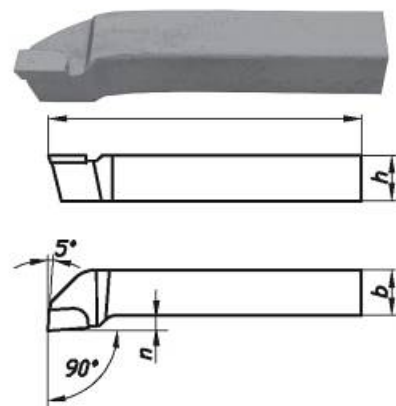
Челен нож, ISO 243, DIN 4977

Код	h mm	b mm	L mm	n mm	цена лв.
1010R/L	10	10	90	5	
1212R/L	12	12	100	6	
1616R/L	16	16	110	8	
2020R/L	20	20	125	10	
2525R/L	25	25	140	12	
3232R/L	32	32	170	16	
4040R/L	40	40	200	20	
5050R/L	50	50	240	25	



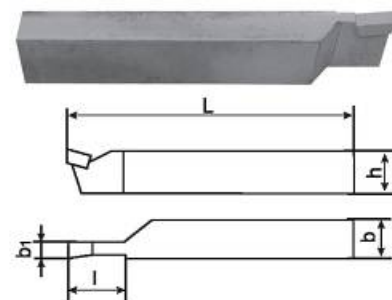
Проходен упорен нож, ISO 243 DIN 4980

Код	h mm	b mm	L mm	n mm	цена лв.
1010R/L	10	10	90	4	
1212R/L	12	12	100	5	
1616R/L	16	16	110	6	
2020R/L	20	20	125	8	
2525R/L	25	25	140	10	
3232R/L	32	32	170	12	
4040R/L	40	40	200	14	
5050R/L	50	50	240	18	
1610R/L	16	10	110	4	
2012R/L	20	12	125	6	
2516R/L	25	16	140	8	
3220R/L	32	20	170	10	
4025R/L	40	25	200	12	
5032R/L	50	32	240	14	



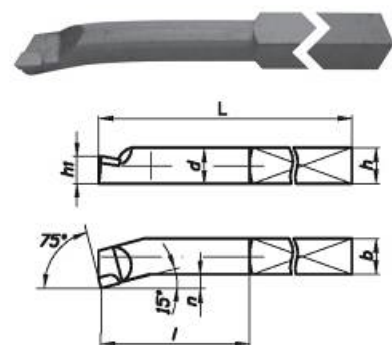
Прорезен нож, ISO 243 DIN 4981

Код	h mm	b mm	L mm	b1 mm	l mm	цена лв.
0808R/L	8	8	85	3	12	
1010R/L	10	10	90	3	12	
1212R/L	12	12	100	3	14	
1616R/L	16	16	110	4	18	
2020R/L	20	20	125	5	20	
2525R/L	25	25	140	6	25	
3232R/L	32	32	170	8	32	
1208R/L	12	8	100	3	12	
1610R/L	16	10	110	4	14	
2012R/L	20	12	125	5	16	
2516R/L	25	16	140	6	20	
3220R/L	32	20	170	8	25	
4025R/L	40	25	200	10	32	
5032R/L	50	32	240	12	40	



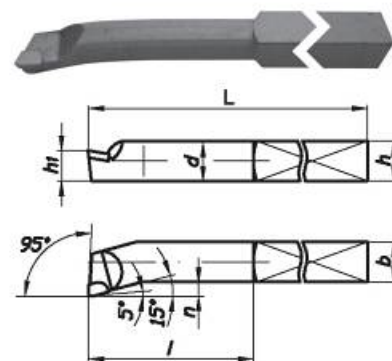
Нож за проходни отвори, ISO 514 DIN 4973

Код	h mm	b mm	L mm	d mm	n mm	l mm	h1 mm	цена лв.
0808	8	8	125	8	3	40	6.4	
1010	10	10	150	10	4	50	8	
1212	12	12	180	12	5	63	9.6	
1616	16	16	210	16	6	80	12.8	
2020	20	20	250	20	8	100	16	
2525	25	25	300	25	10	125	20	
3232	32	32	355	32	12	160	25.6	
8			125	8	3	40	6.4	
10			150	10	4	50	8	
12			180	12	5	63	9.6	
16			210	16	6	80	12.8	
20			250	20	8	100	16	
25			300	25	10	125	20	
32			355	32	12	160	25.6	



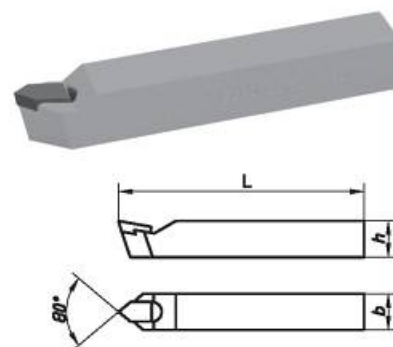
Нож за глухи отвори, ISO 514 DIN 4974

Код	h mm	b mm	L mm	d mm	n mm	l mm	h1 mm	цена лв.
0808	8	8	125	8	3	40	6.4	
1010	10	10	150	10	4	50	8	
1212	12	12	180	12	5	63	9.6	
1616	16	16	210	16	6	80	12.8	
2020	20	20	250	20	8	100	16	
2525	25	25	300	25	10	125	20	
3232	32	32	355	32	12	160	25.6	
8			125	8	3	40	6.4	
10			150	10	4	50	8	
12			180	12	5	63	9.6	
16			210	16	6	80	12.8	
20			250	20	8	100	16	
25			300	25	10	125	20	
32			355	32	12	160	25.6	



Шпиц, DIN 4975

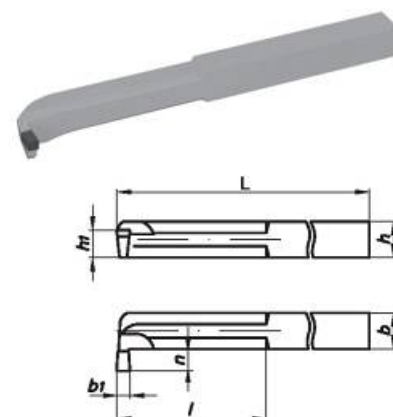
Код	h mm	b mm	L mm	цена лв.
1010	10	10	90	
1212	12	12	100	
1616	16	16	110	
2020	20	20	125	
2525	25	25	140	
3232	32	32	170	
1208	12	8	100	
1610	16	10	110	
2012	20	12	125	
2516	25	16	140	
3220	32	20	170	
4025	40	25	200	



ножове стругарски

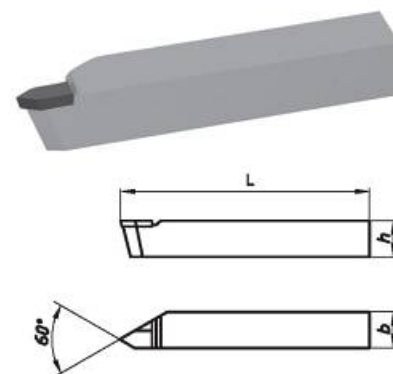
Нож за вътрешни канали

Код	h mm	b mm	L mm	n mm	b1 mm	l mm	h1 mm	цена лв.
1010	10	10	150	8	3	50	8	
1212	12	12	180	10	4	63	9.6	
1616	16	16	210	12	5	80	12.8	
2020	20	20	250	16	6	100	16	
2525	25	25	300	20	8	125	20	
3232	32	32	355	25	10	160	25.6	



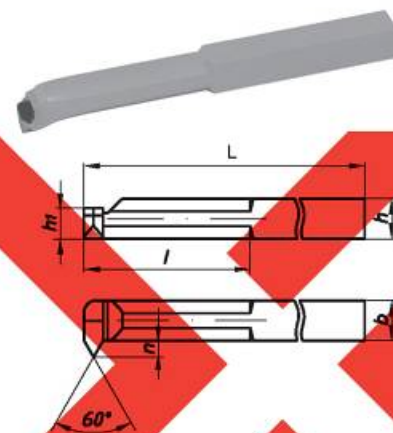
Нож за външна резба

Код	h mm	b mm	L mm	цена лв.
1010R/L	10	10	90	
1212R/L	12	12	100	
1616R/L	16	16	110	
2020R/L	20	20	125	
2525R/L	25	25	140	
3232R/L	32	32	170	
1208R/L	12	8	100	
1610R/L	16	10	110	
2012R/L	20	12	125	
2516R/L	25	16	140	
3220R/L	32	20	170	



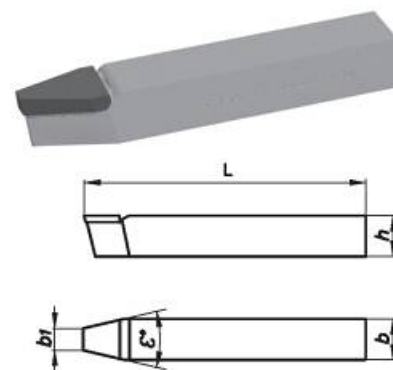
Нож за вътрешна резба

Код	h mm	b mm	L mm	n mm	l mm	h1 mm	цена лв.
1010R/L	10	10	150	5	50	8	
1212R/L	12	12	180	6	63	9.6	
1616R/L	16	16	210	8	80	12.8	
2020R/L	20	20	250	10	100	16	
2525R/L	25	25	300	12	125	20	
3232R/L	32	32	355	14	160	25.6	



Нож за трапецовидни канали

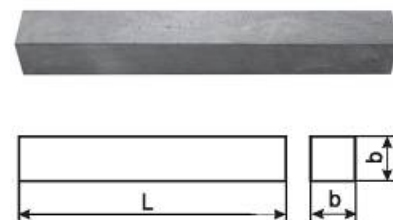
Код	h mm	b mm	L mm	ε°	b1 mm	цена лв.
2012	20	12	125	34°	4	
2516	25	16	140	34°	5	
3220	32	20	170	34°	6.5	
4025	40	25	200	36°	8.5	
5032	50	32	240	36°	13.5	
1616	16	16	110	34°	5	
2020	20	20	125	34°	6.5	
2525	25	25	140	36°	8.5	
3232	32	32	170	36°	13.5	



Заготовки от бързорежеща стомана за ножове, DIN 4964

b h14	L ±2	Маса kg	цена лв.
5	63	0.013	
6	63	0.018	
6	80	0.023	
6	100	0.028	
6	160	0.045	
6	200	0.057	
8	63	0.032	
8	80	0.040	
8	100	0.050	
8	160	0.080	
8	200	0.100	
10	63	0.049	
10	80	0.063	
10	100	0.079	

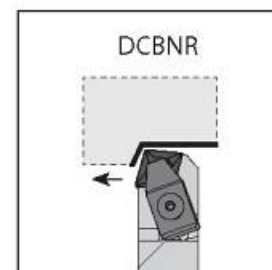
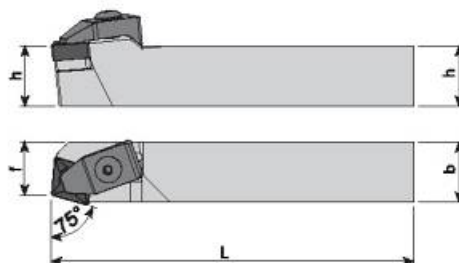
b h14	L ±2	Маса kg	цена лв.
10	160	0.126	
10	200	0.157	
12	63	0.071	
12	80	0.090	
12	100	0.113	
12	160	0.181	
12	200	0.226	
16	100	0.201	
16	160	0.322	
16	200	0.402	
20	160	0.503	
20	200	0.628	
25	200	0.981	
32	200	1.608	



НОЖОВЕ СТРУГАРСКИ СЪС СМЕНЯЕМИ ТВЪРДОСПЛАВНИ ПЛАСТИНИ

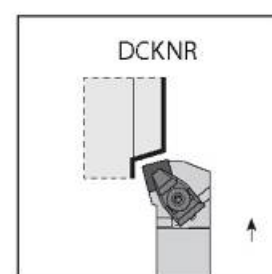
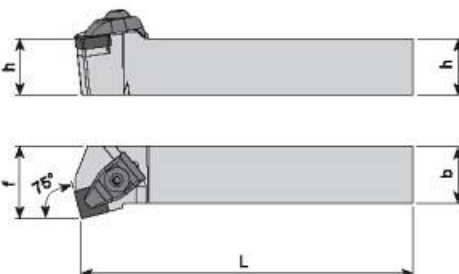
DCBNR/L, 75°

DCBNR/L	h	b	L	f	цена лв.
2525 M16	25	25	170	22	



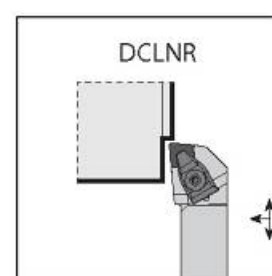
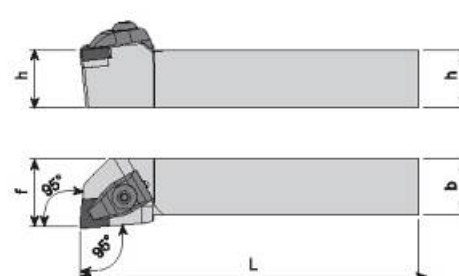
DCKNR/L, 75°

DCKNR/L	h	b	L	f	цена лв.
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	
3232 P12	32	32	170	40	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



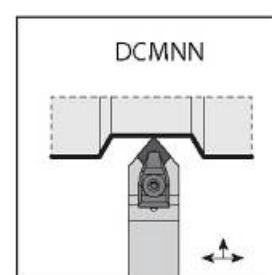
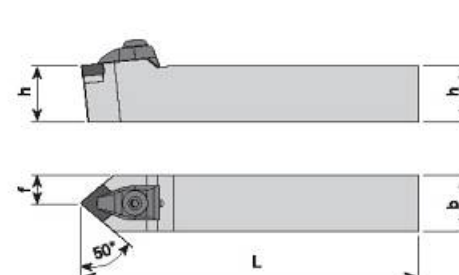
DCLNR/L, 95°

DCLNR/L	h	b	L	f	цена лв.
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	
3232 P12	32	32	170	40	
4040 S19	40	40	250	50	
5050 S19	50	50	250	63	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



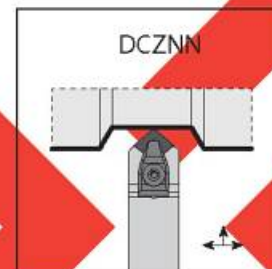
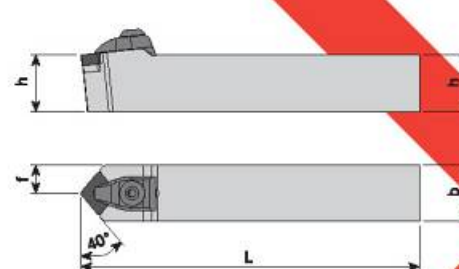
DCMNN, 50°

DCMNN	h	b	L	f	цена лв.
1616 H12	16	16	100	8	
2020 K12	20	20	125	10	
2525 M12	25	25	150	12.5	
3232 P12	32	32	170	16	
2525 M16	25	25	150	12.5	
3232 P16	32	32	170	16	



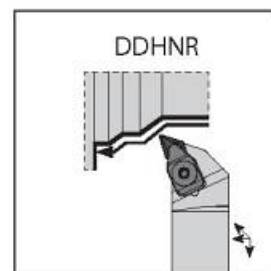
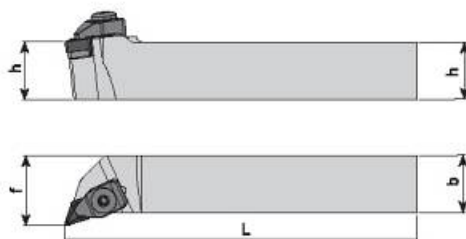
DCZNN, 40°

DCZNN	h	b	L	f	цена лв.
2020 K12	20	20	125	10	
2525 M12	25	25	150	12.5	
3232 P12	32	32	170	16	
2525 M16	25	25	150	12.5	
3232 P19	32	32	170	16	



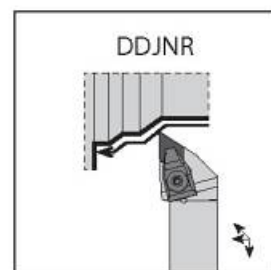
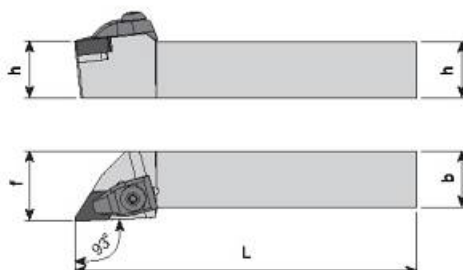
DDHNR/L, 107.5°

DDHNR/L	h	b	L	f	цена лв.
2020 K15	20	20	125	25	
2525 M15	25	25	150	32	
3232 P15	32	32	170	40	



DDJNR/L, 93°

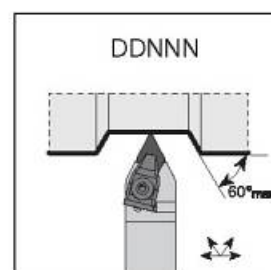
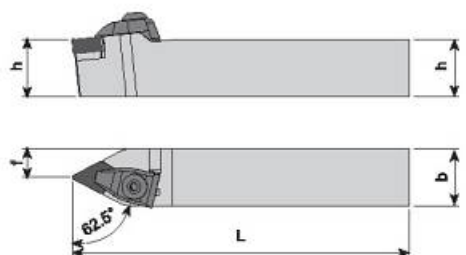
DDJNR/L	h	b	L	f	цена лв.
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
2525 M11	25	25	150	32	
2020 K15	20	20	125	25	
2525 M15	25	25	150	32	
3232 P15	32	32	170	40	
4040 S15	40	40	250	50	
2020 K1504	20	20	125	25	
2525 M1504	25	25	150	32	



DDJNR/L	h	b	L	f	цена лв.
3232 P1504	32	32	170	40	
4040 S1504	40	40	250	50	

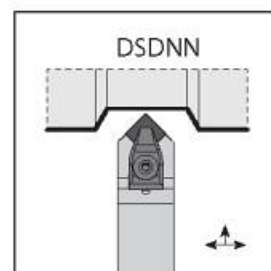
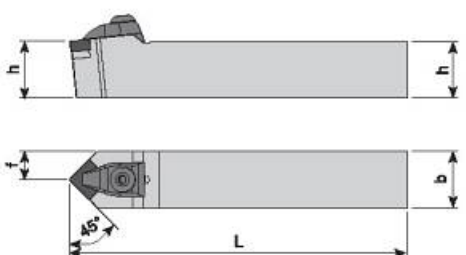
DDNNN, 62.5°

DDNNN	h	b	L	f	цена лв.
1616 H11	16	16	100	8	
2020 K11	20	20	125	10	
2525 M11	25	25	150	12.5	
2020 K15	20	20	125	10	
2525 M15	25	25	150	12.5	
3232 P15	32	32	170	16	



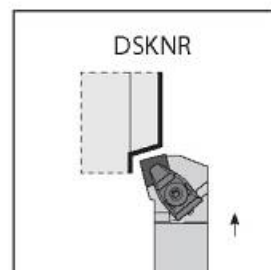
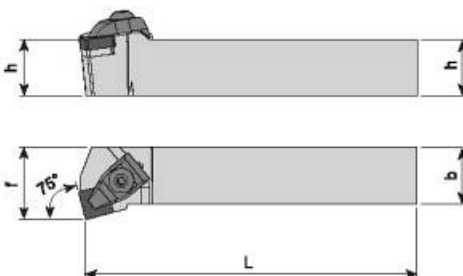
DSDNN, 45°

DSDNN	h	b	L	f	цена лв.
1616 H12	16	16	100	8	
2020 K12	20	20	125	10	
2525 M12	25	25	150	12.5	
3232 P12	32	32	170	16	



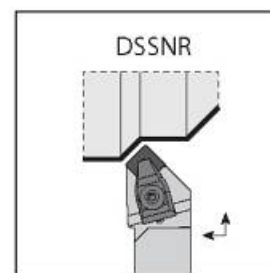
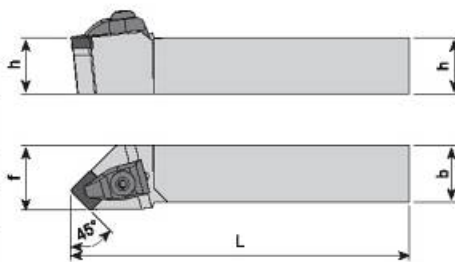
DSKNR/L, 75°

DSKNR/L	h	b	L	f	цена лв.
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	
3232 P12	32	32	170	40	
3232 P15	32	32	170	40	



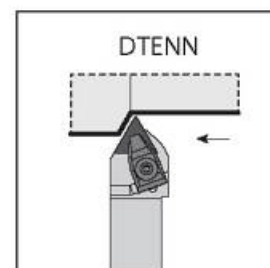
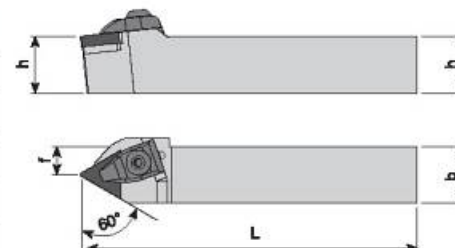
DSSNR/L, 45°

DSSNR/L	h	b	L	f	цена лв.
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	
3232 P12	32	32	170	40	
2525 M15	25	25	150	32	
3232 P15	32	32	170	40	



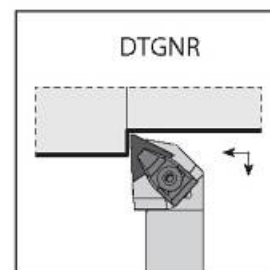
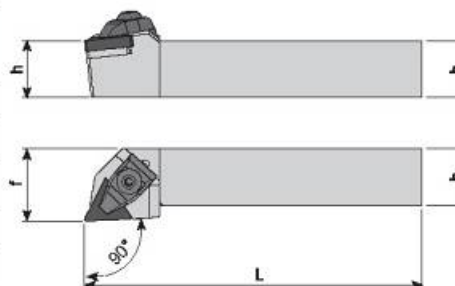
DTENN, 60°

DTENN	h	b	L	f	цена лв.
2020 K16	20	20	125	10	
2525 M16	25	25	150	12.5	
3232 P16	32	32	170	16	
2525 M22	25	25	150	12.5	
3232 P22	32	32	170	16	



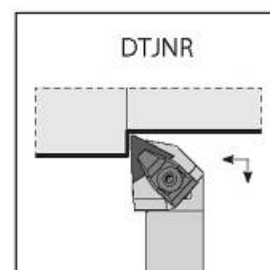
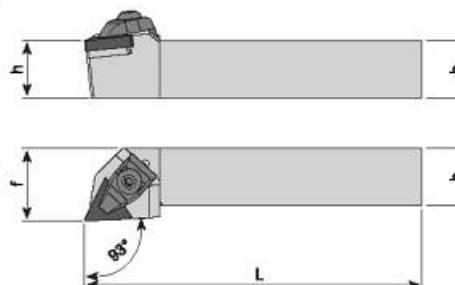
DTGNR/L, 90°

DTGNR/L	h	b	L	f	цена лв.
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	
2525 M22	25	25	150	32	
3232 P22	32	32	170	40	



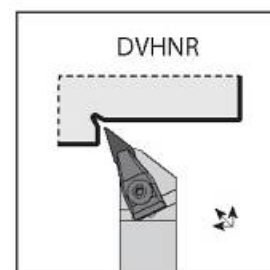
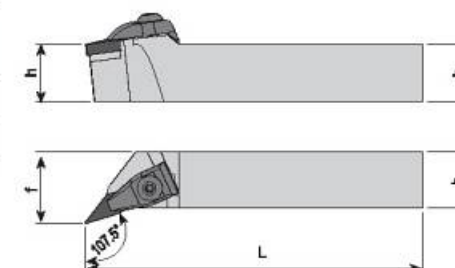
DTJNR/L, 93°

DTJNR/L	h	b	L	f	цена лв.
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	
2525 M22	25	25	150	32	
3232 P22	32	32	170	40	



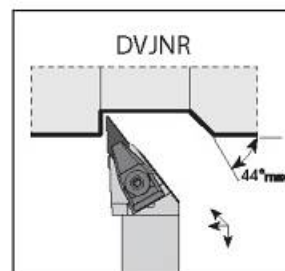
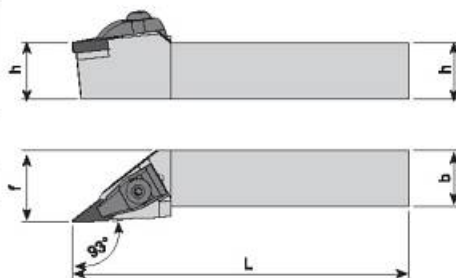
DVHNR/L, 107.5°

DVHNR/L	h	b	L	f	цена лв.
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	



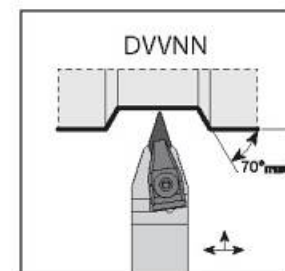
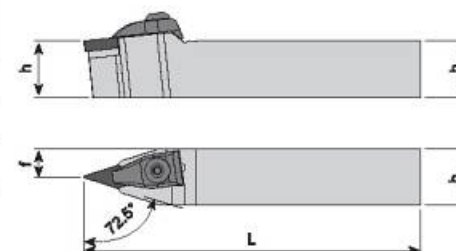
DVJNR/L, 93°

DVJNR/L	h	b	L	f	цена лв.
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



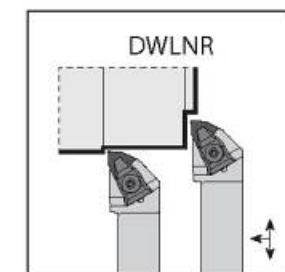
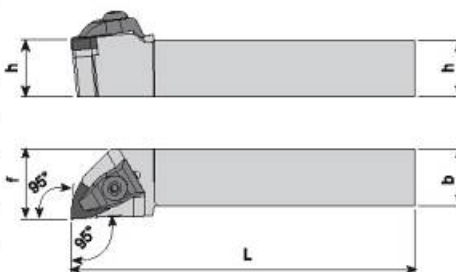
DVVNN, 72.5°

DVVNN	h	b	L	f	цена лв.
2020 K16	20	20	125	10	
2525 M16	25	25	150	12.5	
3232 P16	32	32	170	16	



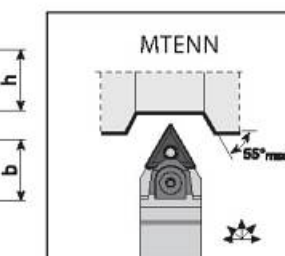
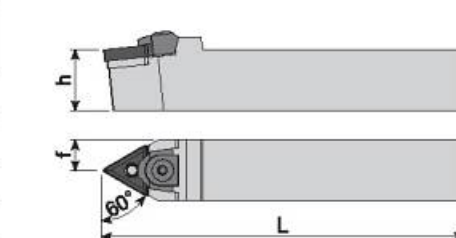
DWLNRL, 95°

DWLNRL	h	b	L	f	цена лв.
1616 H06	16	16	100	20	
2020 K06	20	20	125	25	
2525 M06	25	25	150	32	
2020 K08	20	20	125	25	
2525 M08	25	25	150	32	
3232 P08	32	32	170	40	



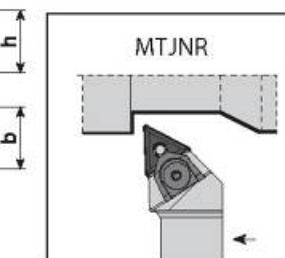
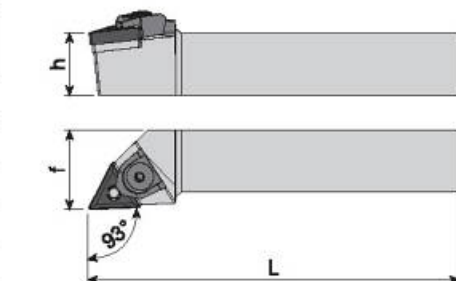
MTENN, 60°

MTENN	h	b	L	f	цена лв.
2020 K16	20	20	125	10	
2525 M16	25	25	150	12.5	
3232 P16	32	32	170	16	
2525 M22	25	25	150	12.5	
3232 P22	32	32	170	16	



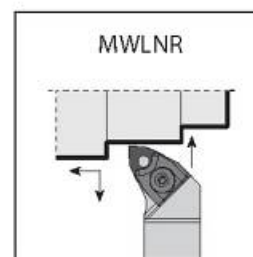
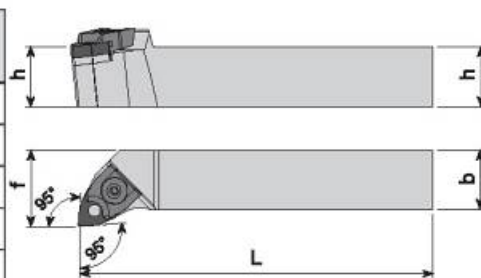
MTJNR/L, 93°

MTJNR/L	h	b	L	f	цена лв.
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	
2525 M22	25	25	150	32	
3232 P22	32	32	170	40	
4040 S22	40	40	250	50	



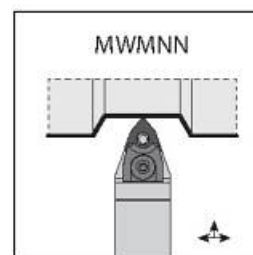
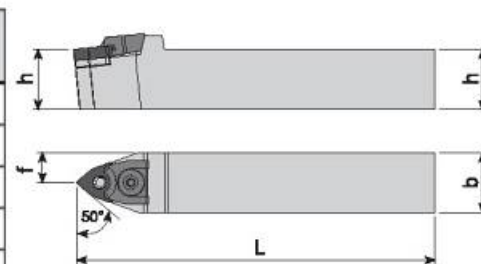
MWLNRL/L, 95°

MWLNRL/L	h	b	L	f	цена лв.
1616 H06	16	16	100	20	
2020 K06	20	20	125	25	
2525 M06	25	25	150	32	
2020 K08	20	20	125	25	
2525 M08	25	25	150	32	
3232 P08	32	32	170	40	



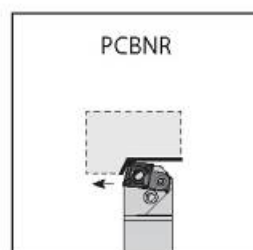
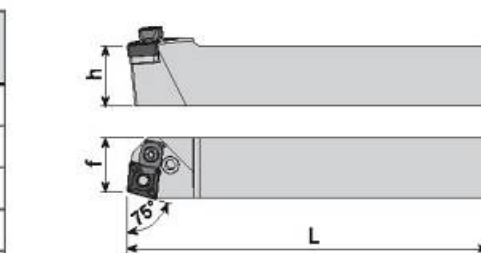
MWMNN, 50°

MWMNN	h	b	L	f	цена лв.
1616 H06	16	16	100	8	
2020 K06	20	20	125	10	
2525 M06	25	25	150	12.5	
2020 K08	20	20	125	10	
2525 M08	25	25	150	12.5	
3232 P08	32	32	170	16	



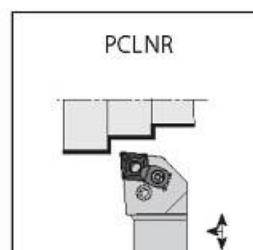
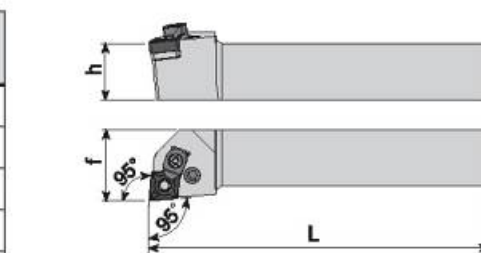
PCBNRL/L, 75°

PCBNRL/L	h	b	L	f	цена лв.
2020 K12C	20	20	125	17.5	
2525 M12C	25	25	150	22.5	
3232 P12C	32	32	170	27.5	
2525 M16C	25	25	150	22	
3232 P16C	32	32	170	27	
3232 P19C	32	32	170	27	
4040 S19C	40	40	250	37	
4040 S25C	40	40	250	37	



PCLNRL/L, 95°

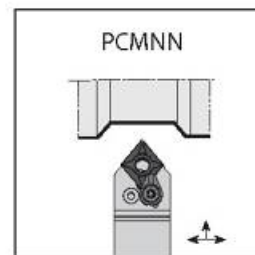
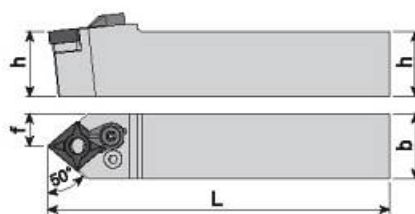
PCLNRL/L	h	b	L	f	цена лв.
1616 H09	16	16	100	20	
2020 K09	20	20	125	25	
2525 M09	25	25	150	32	
1616 H12C	16	16	100	20	
2020 K12C	20	20	125	25	
2525 M12C	25	25	150	32	
3232 P12C	32	32	170	40	
2525 M16C	25	25	150	32	
3232 P16C	32	32	170	40	
2525 M19C	25	25	150	32	



PCLNRL/L	h	b	L	f	цена лв.
3232 P19C	32	32	170	40	
4040 S19C	40	40	250	50	
4040 S25C	40	40	250	50	
5050 S25C	50	50	250	60	

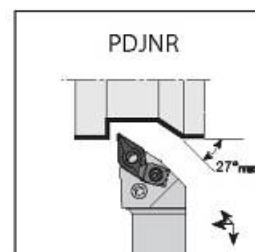
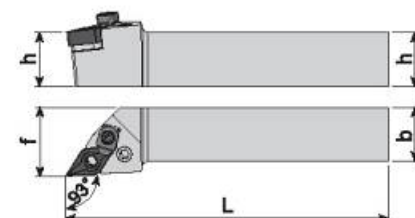
PCMNN, 50°

PCMNN	h	b	L	f	цена лв.
2020 K12C	20	20	125	10	
2525 M12C	25	25	150	12.5	
3232 P19C	32	32	170	16	
4040 S25C	40	40	250	20	



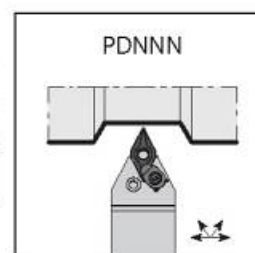
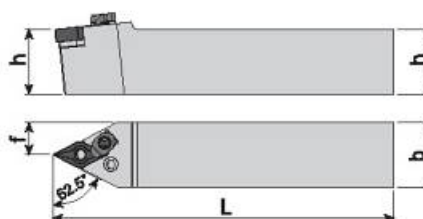
PDJNR/L, 93°

PDJNR/L	h	b	L	f	цена лв.
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
2525 M11	25	25	150	32	
2020 K15C	20	20	125	25	
2525 M15C	25	25	150	32	
3232 P15C	32	32	170	40	
4040 S15C	40	40	250	50	



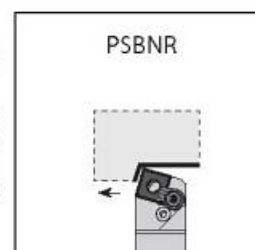
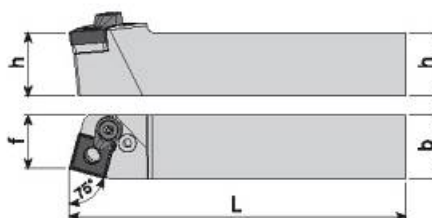
PDNNN, 62.5°

PDNNN	h	b	L	f	цена лв.
1616 H11	16	16	100	8	
2020 K11	20	20	125	10	
2525 M11	25	25	150	12.5	
2020 K15	20	20	125	10	
2525 M15C	25	25	150	12.5	
3232 P15C	32	32	170	16	



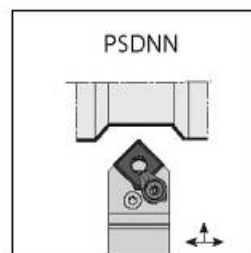
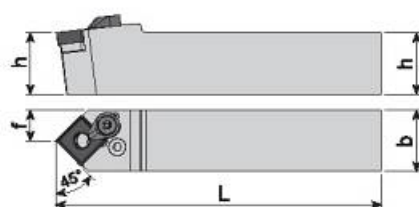
PSBNR/L, 75°

PSBNR/L	h	b	L	f	цена лв.
1616 H09	16	16	100	13	
2020 K12	20	20	125	17	
2525 M12C	25	25	150	22	
3232 P12C	32	32	170	27	
2525 M15C	25	25	150	22	
3232 P15C	32	32	170	27	
3232 P19C	32	32	170	27	
4040 S19C	40	40	250	35	
4040 S25C	40	40	250	35	



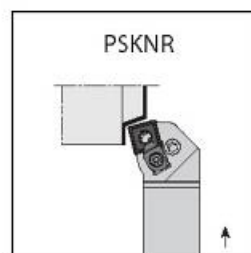
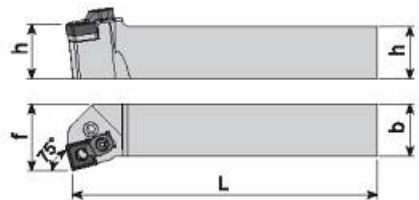
PSDNN, 45°

PSDNN	h	b	L	f	цена лв.
1616 H09	16	16	100	8	
2020 K12C	20	20	125	10	
2525 M12C	25	25	150	12.5	
3232 P12C	32	32	170	16	
2525 M15C	25	25	150	12.5	
3232 P19C	32	32	170	16	
4040 S25C	40	40	250	20	



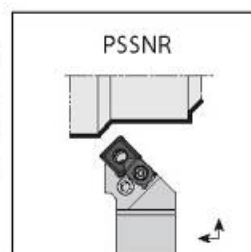
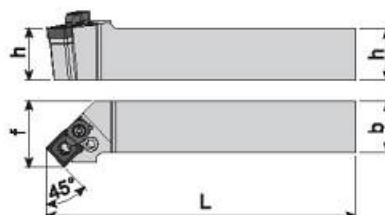
PSKNR/L, 75°

PSKNR/L	h	b	L	f	цена лв.
2020 K09	20	20	125	25	
2020 K12C	20	20	125	25	
2525 M12C	25	25	150	32	
3232 P12C	32	32	170	40	
2525 M15C	25	25	150	32	
3232 P15C	32	32	170	40	
3232 P19C	32	32	170	40	
4040 S19C	40	40	250	50	
4040 S25C	40	40	250	50	
5050 S25C	50	50	250	60	



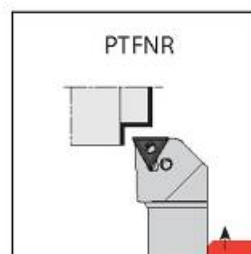
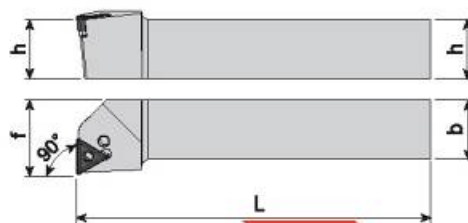
PSSNR/L, 45°

PSSNR/L	h	b	L	f	цена лв.
1616 H09	16	16	100	20	
2020 K09	20	20	125	25	
2020 K12C	20	20	125	25	
2525 M12C	25	25	150	32	
3232 P12C	32	32	170	40	
3232 P19C	32	32	170	40	
4040 S19C	40	40	250	50	
4040 S25C	40	40	250	50	



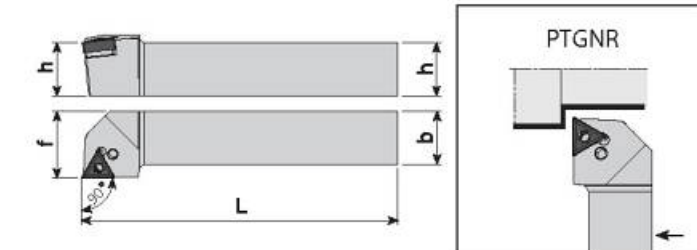
PTFNR/L, 90°

PTFNR/L	h	b	L	f	цена лв.
1616 H16	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	
2525 M22C	25	25	150	32	
3232 P22C	32	32	170	40	



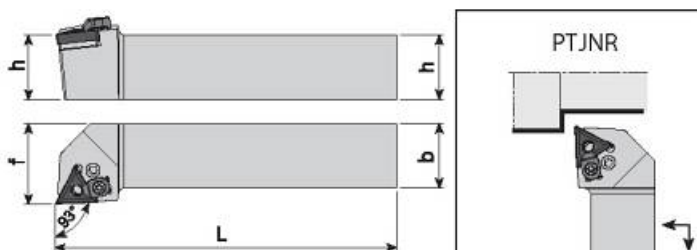
PTGNR/L, 90°

PTGNR/L	h	b	L	f	цена лв.
1616 H16	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
2525 M22C	25	25	150	32	
3232 P22C	32	32	170	40	



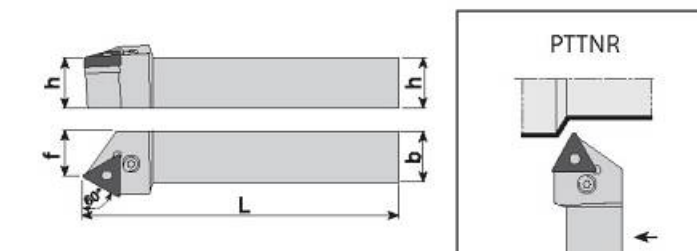
PTJNR/L, 93°

PTJNR/L	h	b	L	f	цена лв.
1616 H16	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	
2525 M22C	25	25	150	32	
3232 P22C	32	32	170	40	



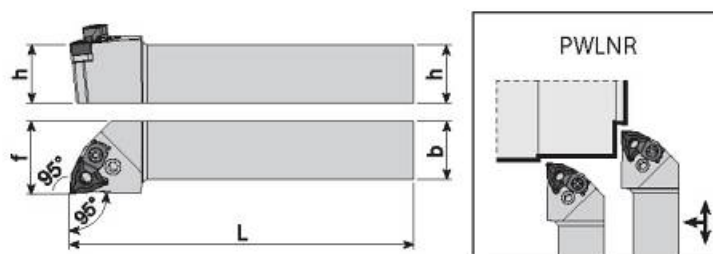
PTTNR/L, 60°

PTTNR/L	h	b	L	f	цена лв.
1616 H16	16	16	100	13	
2020 K16	20	20	125	17	
2525 M16	25	25	150	21.5	
3232 P16	32	32	170	31	
2525 M22C	25	25	150	20.5	
3232 P22C	32	32	170	29	



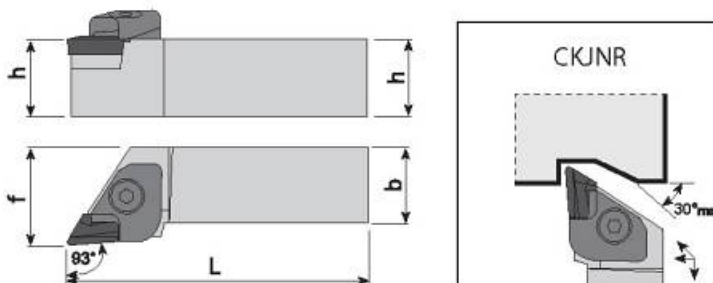
PWLNLR/L, 95°

PWLNLR/L	h	b	L	f	цена лв.
1616 H06	16	16	100	20	
2020 K06	20	20	125	25	
2525 M06	25	25	150	32	
1616 H08	16	16	100	20	
2020 K08C	20	20	125	25	
2525 M08C	25	25	150	32	
3232 P08C	32	32	170	40	



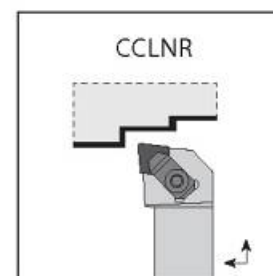
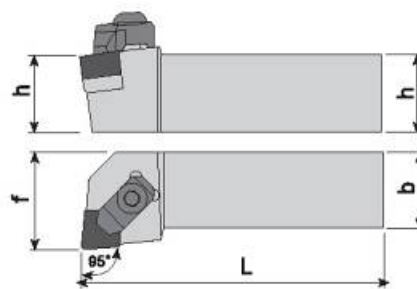
CKJNR/L, 93°

CKJNR/L	h	b	L	f	цена лв.
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	
4040 S16	40	40	250	50	



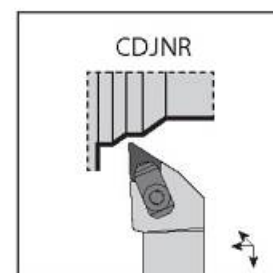
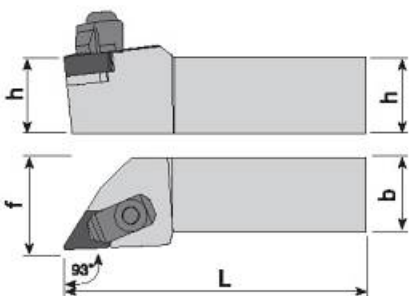
CCLNR/L, 95°

CCLNR/L	h	b	L	f	цена лв.
2525 M1207C	25	25	150	32	
3232 P1207C	32	32	170	40	
2525 M1607C	25	25	150	32	



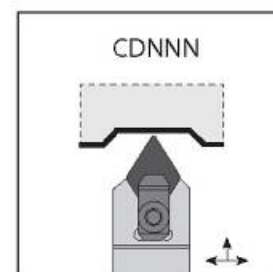
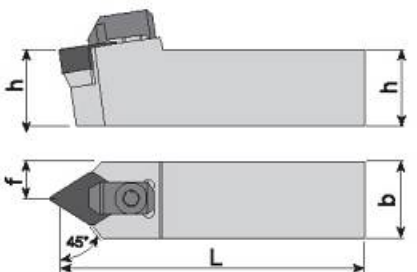
CDJNR/L, 93°

CDJNR/L	h	b	L	f	цена лв.
2525 M1107C	25	25	150	32	
2525 M1507C	25	25	150	32	
3232 P1507C	32	32	170	40	



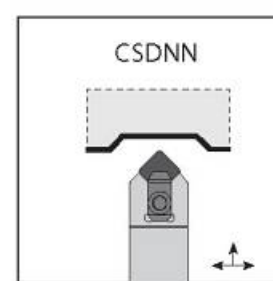
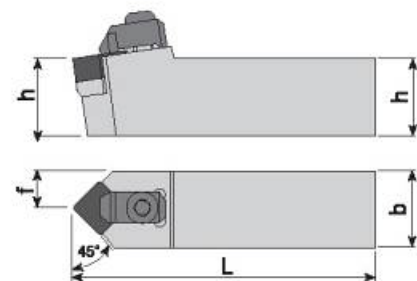
CDNNN, 62.5°

CDNNN	h	b	L	f	цена лв.
2525 M1107C	25	25	150	12.5	



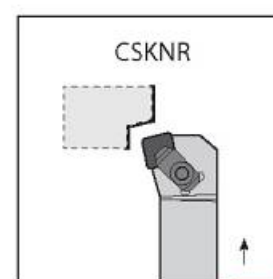
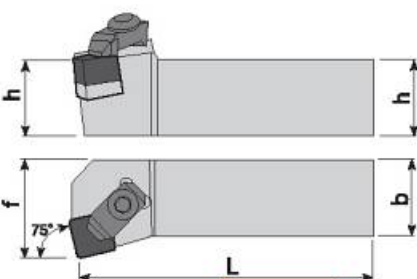
CSDNN, 45°

CSDNN	h	b	L	f	цена лв.
2525 M1207C	25	25	150	12.5	
3232 P1207C	32	32	170	16	



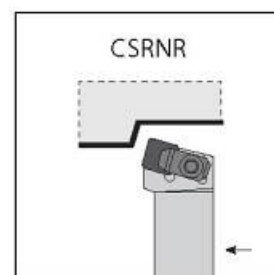
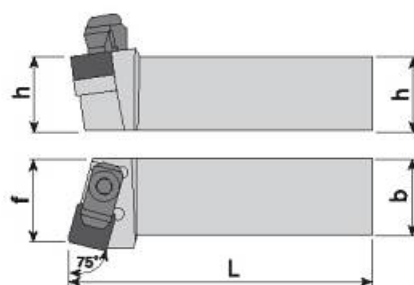
CSKNR/L, 75°

CSKNR/L	h	b	L	f	цена лв.
2525 M1207C	25	25	150	32	
3232 P1207C	32	32	170	40	



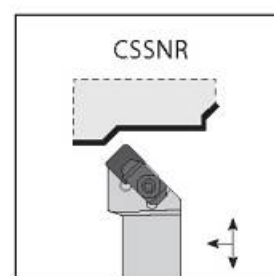
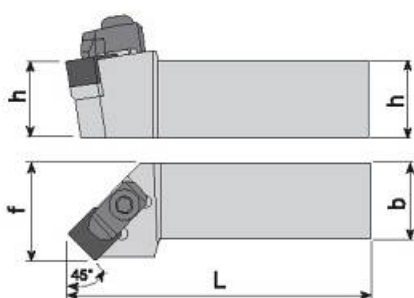
CSRNR/L, 75°

CSRNR/L	h	b	L	f	цена лв.
2525 M1207C	25	25	150	32	
3232 P1207C	32	32	170	40	



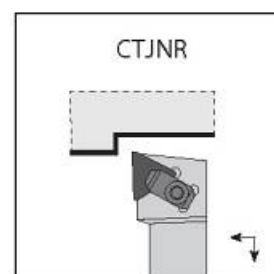
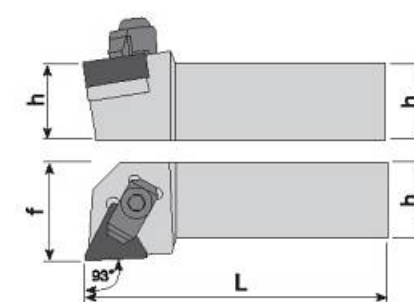
CSSNR/L, 45°

CSSNR/L	h	b	L	f	цена лв.
2525 M1207C	25	25	150	32	
3232 P1207C	32	32	170	40	



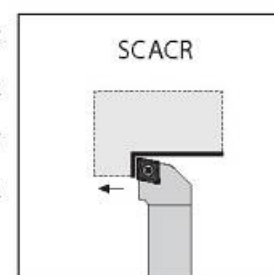
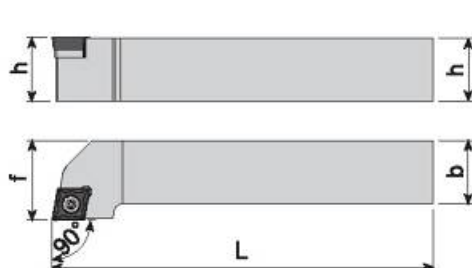
CTJNR/L, 93°

CTJNR/L	h	b	L	f	цена лв.
2525 M1607C	25	25	150	32	
3232 P1607C	32	32	170	40	



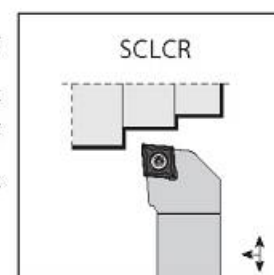
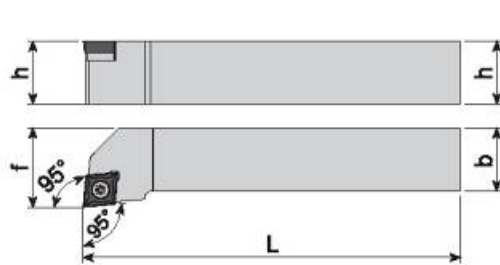
SCACR/L, 90°

SCACR/L	h	b	L	f	цена лв.
0808 E06	08	08	70	10	
1010 E06	10	10	70	12	
1212 F09	12	12	80	16	
1616 H09	16	16	100	20	
2020 K09	20	20	125	25	
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	



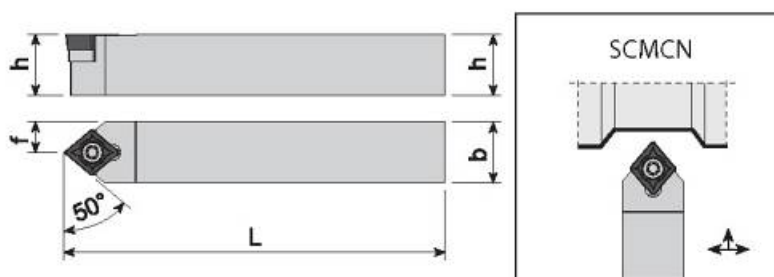
SCLCR/L, 95°

SCLCR/L	h	b	L	f	цена лв.
0808 E06	08	08	70	10	
1010 E06	10	10	70	12	
1212 F09	12	12	80	16	
1616 H09	16	16	100	20	
2020 K09	20	20	125	25	
2525 M09	25	25	150	32	
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	



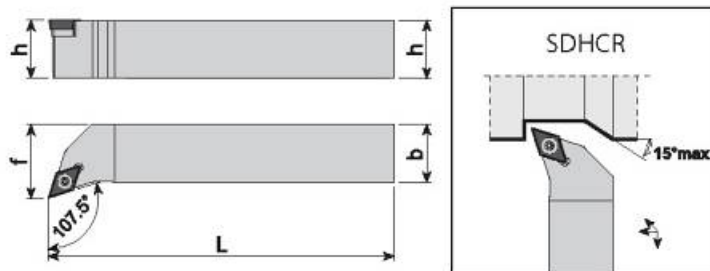
SCMCN, 50°

SCMCN	h	b	L	f	цена лв.
0808 E06	08	08	70	04	
1010 E06	10	10	70	05	
1212 F06	12	12	80	06	
1212 F09	12	12	80	06	
1616 H09	16	16	100	08	
2020 K12	20	20	125	10	
2525 M12	25	25	150	12.5	



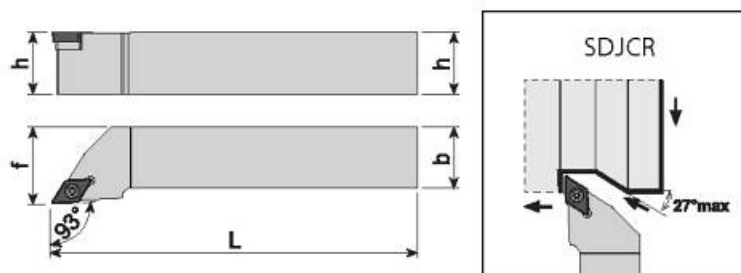
SDHCR/L, 107,5°

SDHCR/L	h	b	L	f	цена лв.
0808 E07	08	08	70	10	
1010 E07	10	10	70	12	
1212 F07	12	12	80	16	
1616 H07	16	16	100	20	
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
2525 M11	25	25	150	32	
3232 P11	32	32	170	40	



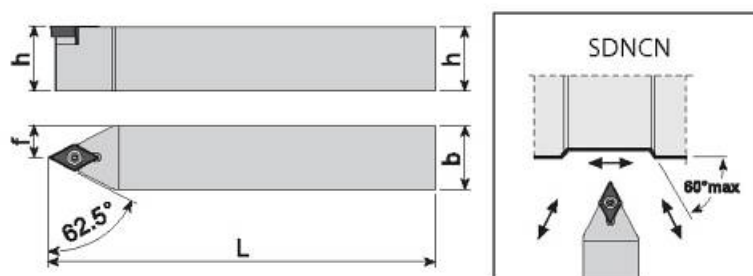
SDJCR/L, 93°

SDJCR/L	h	b	L	f	цена лв.
0808 E07	08	08	70	10	
1010 E07	10	10	70	12	
1212 F07	12	12	80	16	
1616 H07	16	16	100	20	
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
2525 M11	25	25	150	32	
3232 P11	32	32	170	40	



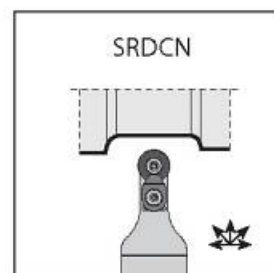
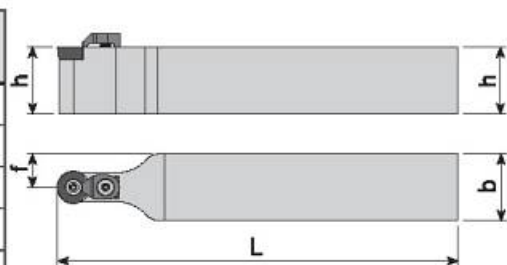
SDNCN, 62.5°

SDNCN	h	b	L	f	цена лв.
0808 E07	08	08	70	4	
1010 E07	10	10	70	5	
1212 F07	12	12	80	6	
1616 H07	16	16	100	8	
1616 H11	16	16	100	8	
2020 K11	20	20	125	10	
2525 M11	25	25	150	12.5	
3232 P11	32	32	170	16	



SRDCN

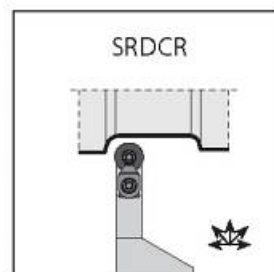
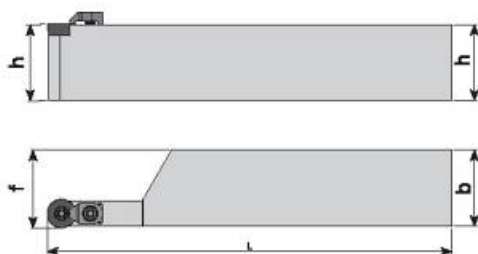
SRDCN	h	b	L	f	цена лв.
1616 H06	16	16	100	8	
2020 K06	20	20	125	10	
2525 M06	25	25	150	12.5	
1616 H08C	16	16	100	8	
2020 K08C	20	20	125	10	
2525 M08C	25	25	150	12.5	
1616 H10C	16	16	100	8	
2020 K10C	20	20	125	10	
2525 M10C	25	25	150	12.5	
3232 P10C	32	32	170	16	
2020 K12C	20	20	125	10	
2525 M12C	25	25	150	12.5	
3232 P12C	32	32	170	16	



SRDCN	h	b	L	f	цена лв.
2525 M16C	25	25	150	12.5	
3232 P16C	32	32	170	16	
2525 M20C	25	25	150	12.5	
3232 P20C	32	32	170	16	
3232 P25C	32	32	170	16	
3232 P32C	32	32	170	16	

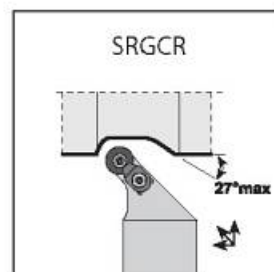
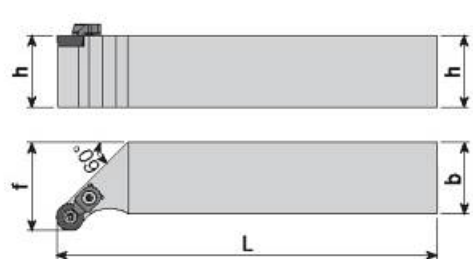
SRDCR/L

SRDCR/L	h	b	L	f	цена лв.
3232 P12C	32	32	170	32.6	



SRGCR/L

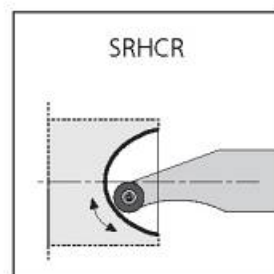
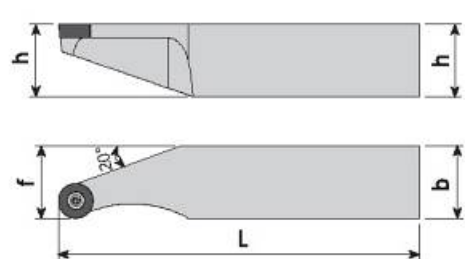
SRGCR/L	h	b	L	f	цена лв.
1616 H06	16	16	100	20	
2020 K06	20	20	125	25	
1616 H08C	16	16	100	20	
2020 K08C	20	20	125	25	
2525 M08C	25	25	150	32	
1616 H10C	16	16	100	20	
2020 K10C	20	20	125	25	
2525 M10C	25	25	150	32	
3232 P10C	32	32	170	40	
2020 K12C	20	20	125	25	



SRGCR/L	h	b	L	f	цена лв.
2525 M12C	25	25	150	32	
3232 P12C	32	32	170	40	

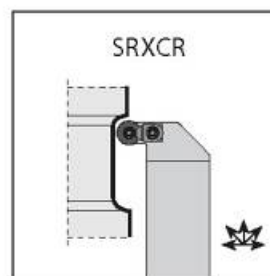
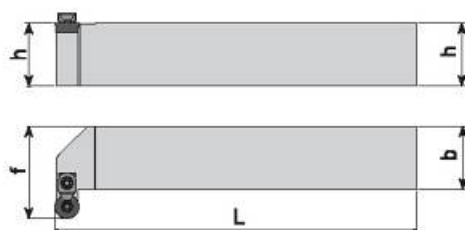
SRHCR/L, 20°

SRHCR/L	h	b	L	f	min R	цена лв.
2525 K08	25	25	125	25	32.5	
2525 K10	25	25	125	25	36	
2525 K12	25	25	125	25	40	
2525 K16	25	25	125	25	47.5	



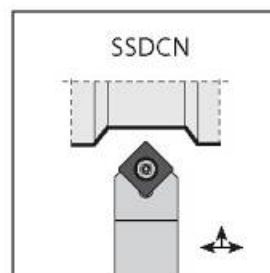
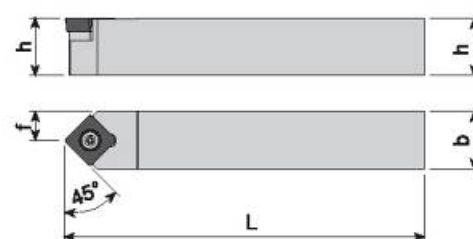
SRXCR/L

SRXCR/L	h	b	L	f	цена лв.
3232 X08C	32	32	220	47	
3232 X10C	32	32	220	47	
3232 X12C	32	32	220	47	



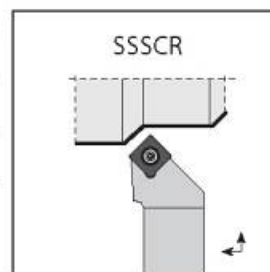
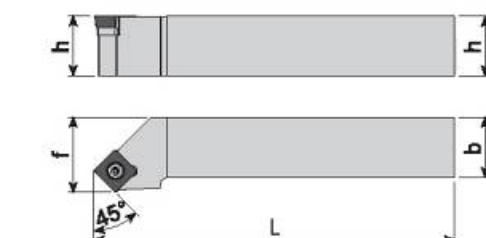
SSDCN, 45°

SSDCN	h	b	L	f	цена лв.
1212 F09	12	12	80	6	
1616 H09	16	16	100	8	
2020 K09	20	20	125	10	
1616 H12	16	16	100	8	
2020 K12	20	20	125	10	
2525 M12	25	25	150	12.5	



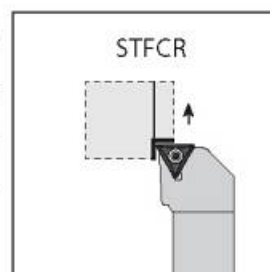
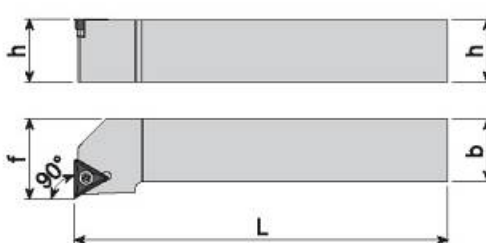
SSSCR/L, 45°

SSSCR/L	h	b	L	f	цена лв.
1212 F09	12	12	80	16	
1616 H09	16	16	100	20	
2020 K09	20	20	125	25	
1616 H12	16	16	100	20	
2020 K12	20	20	125	25	
2525 M12	25	25	150	32	



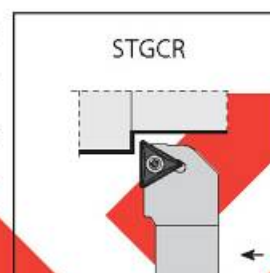
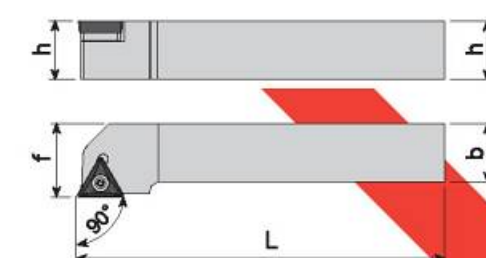
STFCR/L, 90°

STFCR/L	h	b	L	f	цена лв.
0808 E09	08	08	70	10	
1010 E09	10	10	70	12	
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
1616 H16	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



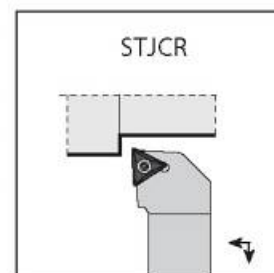
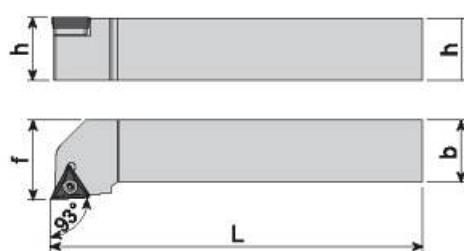
STGCR/L, 90°

STGCR/L	h	b	L	f	цена лв.
0808 E09	08	08	70	10	
1010 E09	10	10	70	12	
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



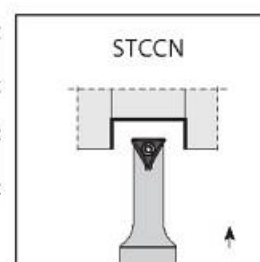
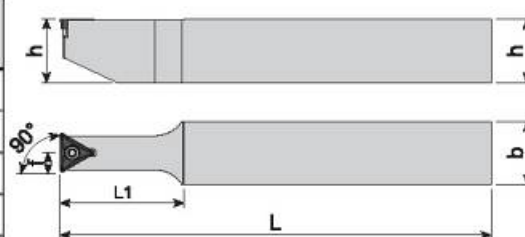
STJCR/L, 93°

STJCR/L	h	b	L	f	цена лв.
0808 E09	08	08	70	10	
1010 E09	10	10	70	12	
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
1616 H16	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



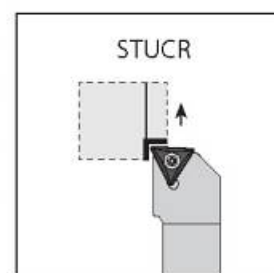
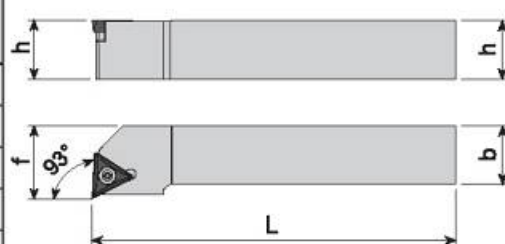
STCCN, 90°

STCCN	h	b	L	f	L ₁	цена лв.
2020 L11	20	20	140	10	50	
1616 K16	16	16	125	8	24	
2020 M16	20	20	150	10	30	
2525 P16	25	25	170	12.5	37.5	
3232 R16	32	32	200	16	48	
2525 P22	25	25	170	12.5	37.5	



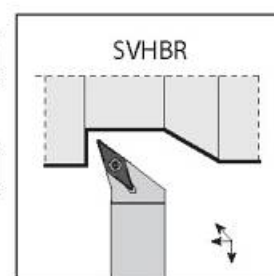
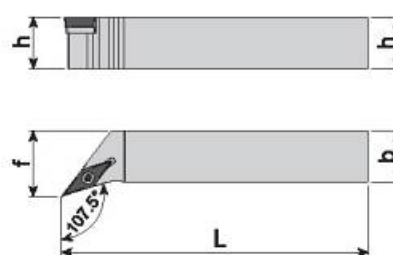
STUCR/L, 93°

STUCR/L	h	b	L	f	цена лв.
0808 E09	08	08	70	10	
1010 E09	10	10	70	12	
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



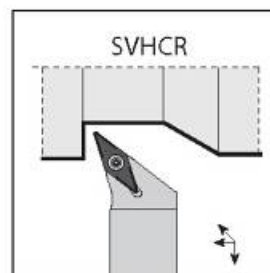
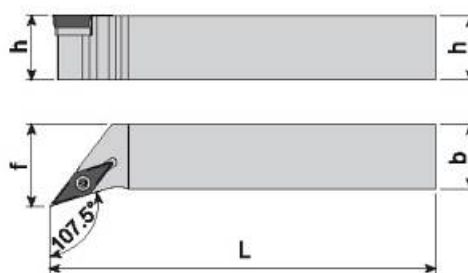
SVHBR/L, 107.5°

SVHBR/L	h	b	L	f	цена лв.
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



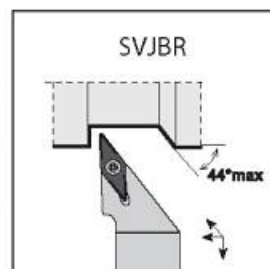
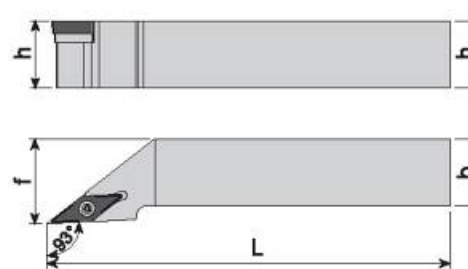
SVHCR/L, 107.5°

SVHCR/L	h	b	L	f	цена лв.
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



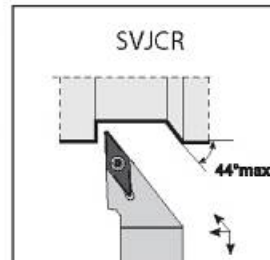
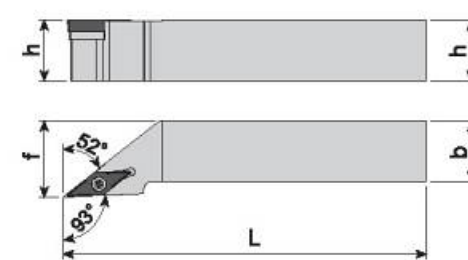
SVJBR/L, 93°

SVJBR/L	h	b	L	f	цена лв.
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
1616 H16	16	16	100	20	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



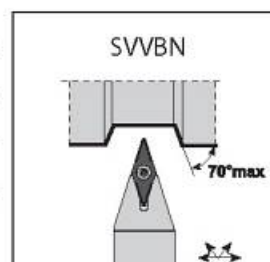
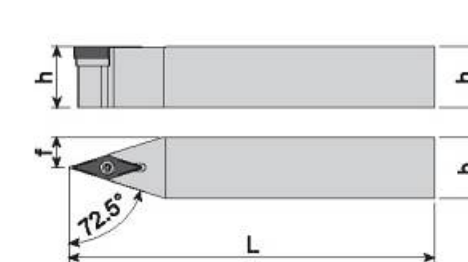
SVJCR/L, 93°

SVJCR/L	h	b	L	f	цена лв.
1212 F11	12	12	80	16	
1616 H11	16	16	100	20	
2020 K11	20	20	125	25	
1212 F16	12	12	80	16	
2020 K16	20	20	125	25	
2525 M16	25	25	150	32	
3232 P16	32	32	170	40	



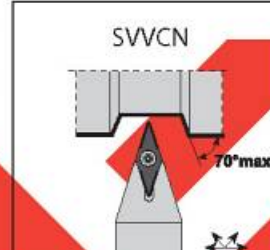
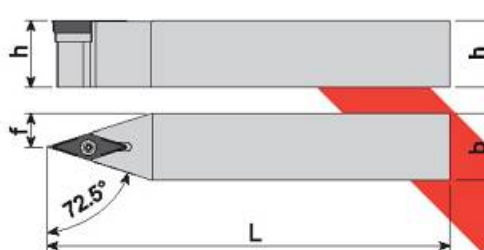
SVVBN, 72.5°

SVVBN	h	b	L	f	цена лв.
1212 F11	12	12	80	06	
1616 H11	16	16	100	08	
2020 K11	20	20	125	10	
2020 K16	20	20	125	10	
2525 M16	25	25	150	12.5	
3232 P16	32	32	170	16	



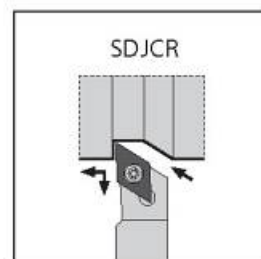
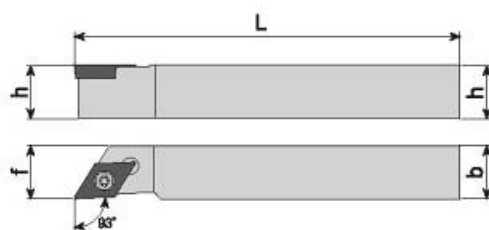
SVVCN, 72.5°

SVVCN	h	b	L	f	цена лв.
1212 F11	12	12	80	06	
1616 H11	16	16	100	08	
2020 K11	20	20	125	10	
2020 K16	20	20	125	10	
2525 M16	25	25	150	12.5	
3232 P16	32	32	170	16	



SDJCR/L, 93°

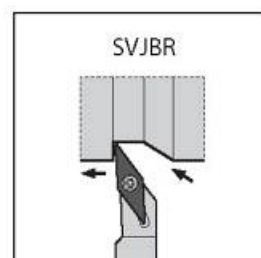
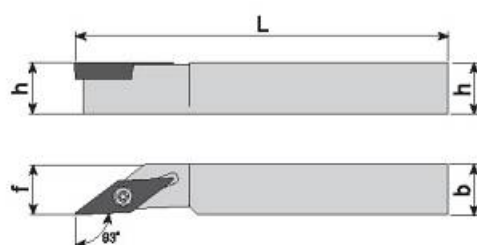
SDJCR/L	h	b	L	f	цена лв.
0808 X07-S	08	08	115	08	
1010 X07-S	10	10	115	10	
1212 G07-S	12	12	90	12	
1212 X07-S	12	12	130	12	
1616 F07-S	16	16	75	16	
1616 X07-S	16	16	130	16	
2020 X07-S	20	20	120	20	
1212 G11-S	12	12	90	12	
1212 X11-S	12	12	130	12	
1212 K11-S	12	12	125	12	
1616 F11-S	16	16	75	16	



SDJCR/L	h	b	L	f	цена лв.
1616 X11-S	16	16	130	16	
1616 K11-S	16	16	125	16	
2020 X11-S	20	20	120	20	

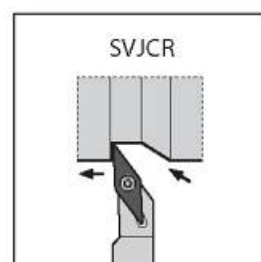
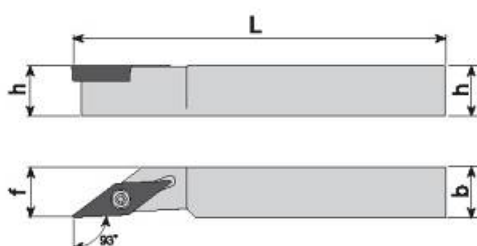
SVJBR/L, 93°

SVJBR/L	h	b	L	f	цена лв.
1616 K11-S	16	16	125	16	



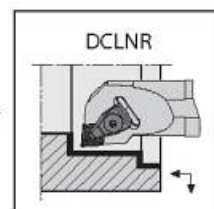
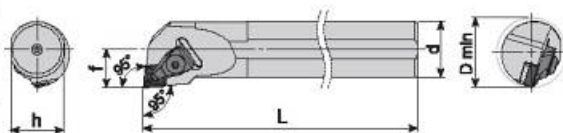
SVJCR/L, 93°

SVJCR/L	h	b	L	f	цена лв.
0808 X11-S	08	08	115	08	
1212 K11-S	12	12	125	12	



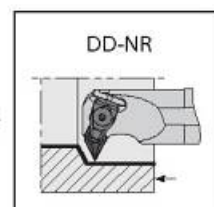
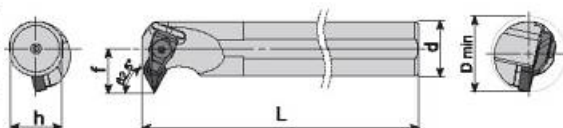
DCLNR/L, 95°

DCLNR/L	d	h	L	f	D min	цена лв.
S25S DCLNR/L 09	25	23	250	17	≥32	
S25S DCLNR/L 12	25	23	250	17	≥32	
S32T DCLNR/L 12	32	30	300	22	≥40	
S40U DCLNR/L 12	40	37.5	350	27	≥50	
S50V DCLNR/L 12	50	47	400	35	≥63	
S32T DCLNR/L 16	32	30	300	22	≥40	
S40U DCLNR/L 16	40	37.5	350	27	≥50	
S50V DCLNR/L 16	50	47	400	35	≥63	



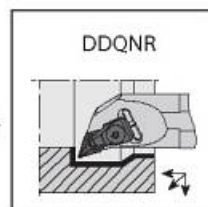
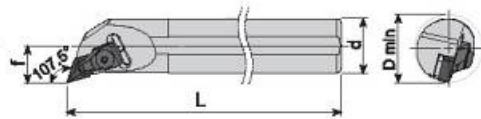
DD-NR/L, 62.5°

DD-NR/L	d	h	L	f	D min	цена лв.
S32T DD-NR/L 15	32	30	300	26	≥44	
S40U DD-NR/L 15	40	37.5	350	29	≥52	
S50V DD-NR/L 15	50	47	400	35	≥67	



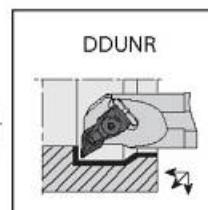
DDQNR/L, 107.5°

DDQNR/L	d	h	L	f	D _{min}	цена лв.
S25S DDQNR/L 11	25	23	250	17	≥32	
S32T DDQNR/L 11	32	30	300	22	≥40	
S32T DDQNR/L 15	32	30	300	22	≥40	
S40U DDQNR/L 15	40	37.5	350	27	≥50	
S50V DDQNR/L 15	50	47	400	35	≥63	



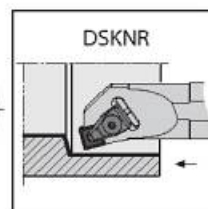
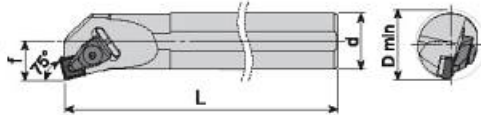
DDUNR/L, 93°

DDUNR/L	d	h	L	f	D _{min}	цена лв.
S25S DDUNR/L 11	25	23	250	17	≥32	
S32T DDUNR/L 11	32	30	300	22	≥40	
S25S DDUNR/L 15	25	23	250	17	≥32	
S32T DDUNR/L 15	32	30	300	22	≥40	
S40U DDUNR/L 15	40	37.5	350	27	≥50	
S50V DDUNR/L 15	50	47	400	35	≥63	



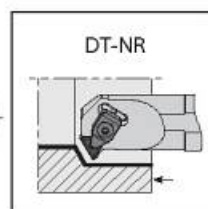
DSKNR/L, 75°

DSKNR/L	d	h	L	f	D _{min}	цена лв.
S25S DSKNR/L 12	25	23	250	17	≥32	
S32T DSKNR/L 12	32	30	300	22	≥40	
S40U DSKNR/L 12	40	37.5	350	27	≥50	



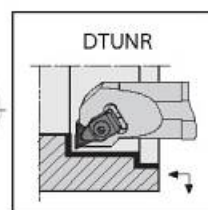
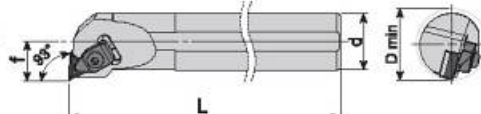
DT-NR/L, 60°

DT-NR/L	d	h	L	f	D _{min}	цена лв.
S25S DT-NR/L 16	25	23	250	17	≥32	
S32T DT-NR/L 16	32	30	300	22	≥40	



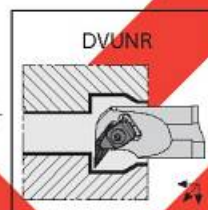
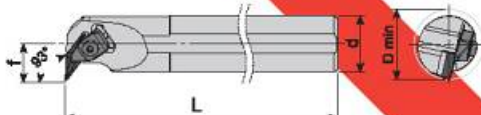
DTUNR/L, 93°

DTUNR/L	d	h	L	f	D _{min}	цена лв.
S25S DTUNR/L 16	25	23	250	17	≥32	
S32T DTUNR/L 16	32	30	300	22	≥40	
S25S DTUNR/L 22	25	23	250	17	≥32	
S32T DTUNR/L 22	32	30	300	22	≥40	
S40U DTUNR/L 22	40	37.5	350	27	≥50	
S50V DTUNR/L 22	50	47	400	35	≥63	



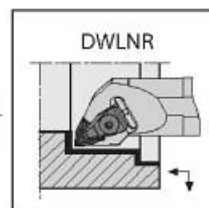
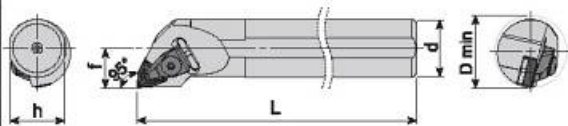
DVUNR/L, 93°

DVUNR/L	d	h	L	f	D _{min}	цена лв.
S25S DVUNR/L 16	25	23	250	20	≥36	
S32T DVUNR/L 16	32	30	300	22	≥40	
S40U DVUNR/L 16	40	37.5	350	27	≥50	



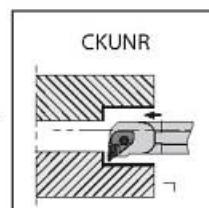
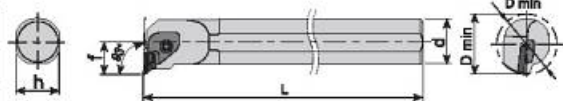
DWLNRL, 95°

DWLNRL	d	h	L	f	D _{min}	цена лв.
S25S DWLNRL 06	25	23	250	17	≥32	
S32T DWLNRL 06	32	30	300	22	≥40	
S25S DWLNRL 08	25	23	250	17	≥32	
S32T DWLNRL 08	32	30	300	22	≥40	
S40U DWLNRL 08	40	37.5	350	27	≥50	
S50V DWLNRL 08	50	47	400	35	≥63	



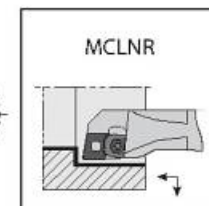
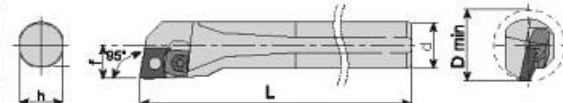
CKUNRL, 93°

CKUNRL	d	h	L	f	D _{min}	цена лв.
S25S CKUNRL 16	25	23	250	19	≥38	
S32T CKUNRL 16	32	30	300	22	≥40	
S40U CKUNRL 16	40	37.5	350	27	≥50	
S50V CKUNRL 16	50	47	400	35	≥63	



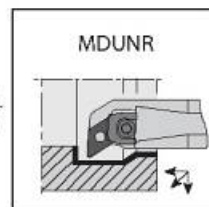
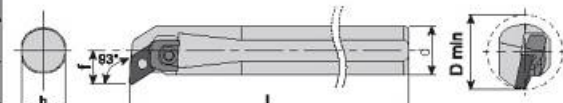
MCLNRL, 95°

MCLNRL	d	h	L	f	D _{min}	цена лв.
S20R MCLNRL 12	20	18.3	200	13	≥25	
S25S MCLNRL 12	25	23	250	17	≥32	
S32T MCLNRL 12	32	30	300	22	≥40	



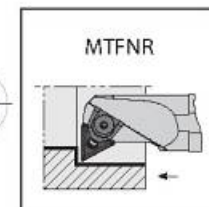
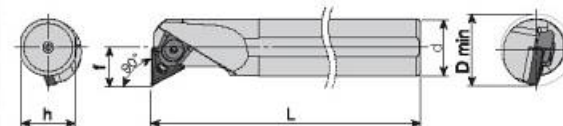
MDUNRL, 93°

MDUNRL	d	h	L	f	D _{min}	цена лв.
S20R MDUNRL 11	20	18.3	200	13	≥25	
S25S MDUNRL 11	25	23	250	17	≥32	
S25S MDUNRL 15	25	23	250	17	≥32	
S32T MDUNRL 15	32	30	300	22	≥40	
S40U MDUNRL 15	40	37.5	350	27	≥50	
S50V MDUNRL 15	50	47	400	35	≥63	



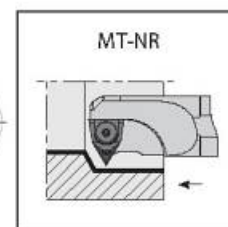
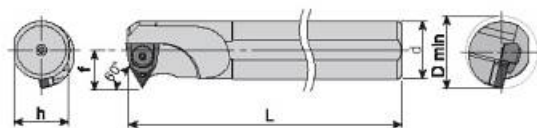
MTFNRL, 90°

MTFNRL	d	h	L	f	D _{min}	цена лв.
S20R MTFNRL 16	20	18.3	200	14	≥25	
S25S MTFNRL 16	25	23	250	17	≥32	
S32T MTFNRL 16	32	30	300	22	≥40	
S40U MTFNRL 16	40	37.5	350	27	≥50	
S32T MTFNRL 22	32	30	300	22	≥40	
S40U MTFNRL 22	40	37.5	350	27	≥50	



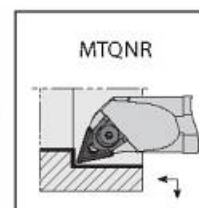
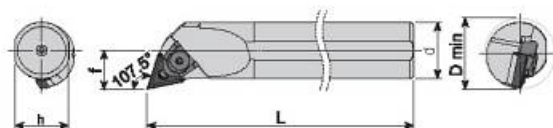
MT-NR/L, 60°

MT-NR/L	d	h	L	f	D _{min}	цена лв.
S20R MT-NR/L 16	20	18.3	200	16	≥26	
S25S MT-NR/L 16	25	23	250	17	≥32	
S32T MT-NR/L 16	32	30	300	22	≥40	
S40U MT-NR/L 16	40	37.5	350	27	≥50	
S32T MT-NR/L 22	32	30	300	22	≥40	
S40U MT-NR/L 22	40	37.5	350	27	≥50	
S50U MT-NR/L 22	50	47	350	35	≥63	



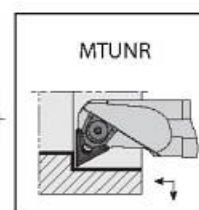
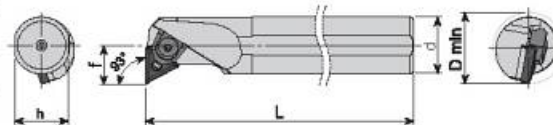
MTQNR, 107.5°

MTQNR	d	h	L	f	D _{min}	цена лв.
S20R MTQNR/L 16	20	18.3	200	13	≥25	
S25S MTQNR/L 16	25	23	250	17	≥32	
S32T MTQNR/L 16	32	30	300	22	≥40	
S40U MTQNR/L 16	40	37.5	350	27	≥50	
S32T MTQNR/L 22	32	30	300	22	≥40	
S40U MTQNR/L 22	40	37.5	350	27	≥50	
S50V MTQNR/L 22	50	47	400	35	≥63	



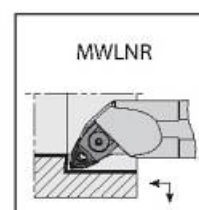
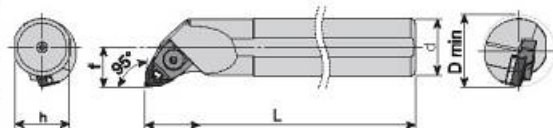
MTUNR/L, 93°

MTUNR/L	d	h	L	f	D _{min}	цена лв.
S20R MTUNR/L 16	20	18.3	200	13	≥25	
S25S MTUNR/L 16	25	23	250	17	≥32	
S32T MTUNR/L 16	32	30	300	22	≥40	
S40U MTUNR/L 16	40	37.5	350	27	≥50	
S50V MTUNR/L 16	50	47	400	35	≥63	
S32T MTUNR/L 22	32	30	300	22	≥40	
S40U MTUNR/L 22	40	37.5	350	27	≥50	
S50V MTUNR/L 22	50	47	400	35	≥63	



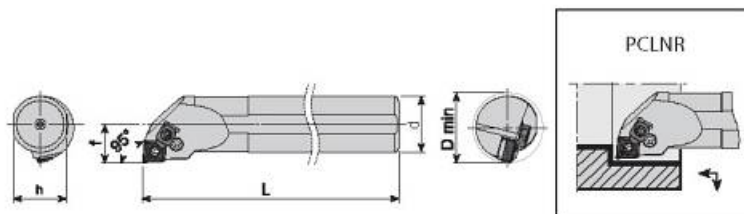
MWLNR/L, 95°

MWLNR/L	d	h	L	f	D _{min}	цена лв.
S16P MWLNR/L 06	16	14.8	170	11	≥20	
S20R MWLNR/L 06	20	18.3	200	13	≥25	
S25S MWLNR/L 06	25	23	250	17	≥32	
S25S MWLNR/L 08	25	23	250	17	≥32	
S32T MWLNR/L 08	32	30	300	22	≥40	
S40U MWLNR/L 08	40	37.5	350	27	≥50	



PCLNR/L, 95°

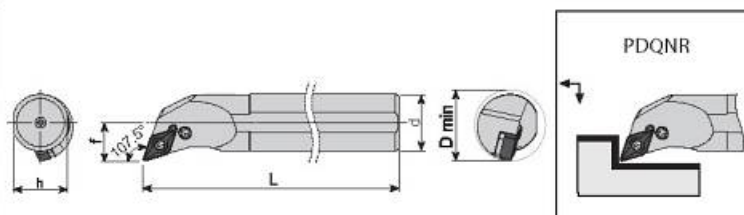
PCLNR/L	d	h	L	f	D _{min}	цена лв.
S16P PCLNR/L 09	16	14.8	170	11	≥20	
S20R PCLNR/L 09	20	18.3	200	13	≥25	
S25S PCLNR/L 12C	25	23	250	17	≥32	
S32T PCLNR/L 12C	32	30	300	22	≥40	
S40U PCLNR/L 12C	40	37.5	350	27	≥50	
S50V PCLNR/L 12C	50	47	400	35	≥63	
S32T PCLNR/L 16C	32	30	300	22	≥40	
S40U PCLNR/L 16C	40	37.5	350	27	≥50	
S50V PCLNR/L 16C	50	47	400	35	≥63	
S40U PCLNR/L 19C	40	37.5	350	27	≥50	
S50V PCLNR/L 19C	50	47	400	35	≥63	
A25R PCLNR/L 12C	25	23	200	17	≥32	
A32S PCLNR/L 12C	32	30	250	22	≥40	



PCLNR/L	d	h	L	f	D _{min}	цена лв.
A40T PCLNR/L 12C	40	37.5	300	27	≥50	
A50U PCLNR/L 12C	50	47	350	35	≥63	
A32S PCLNR/L 16C	32	30	250	22	≥40	
A40T PCLNR/L 16C	40	37.5	300	27	≥50	
A50U PCLNR/L 16C	50	47	350	35	≥63	
A40T PCLNR/L 19C	40	37.5	300	27	≥50	
A50U PCLNR/L 19C	50	47	350	35	≥63	

PDQNR/L, 107.5°

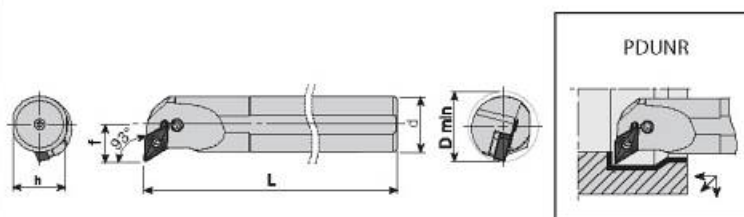
PDQNR/L	d	h	L	f	D _{min}	цена лв.
S25S PDQNR/L 11	25	23	250	17	≥32	
S32T PDQNR/L 15	32	30	300	22	≥40	
S40U PDQNR/L 15	40	37.5	350	27	≥50	
S50V PDQNR/L 15	50	47	400	35	≥63	
S32T PDQNR/L 1504	32	30	300	22	≥40	
S40U PDQNR/L 1504	40	37.5	350	27	≥50	
S50V PDQNR/L 1504	50	47	400	35	≥63	
A20P PDQNR/L 11	20	18.3	170	13	≥25	
A25R PDQNR/L 11	25	23	200	17	≥32	
A32S PDQNR/L 15	32	30	250	22	≥40	



PDQNR/L	d	h	L	f	D _{min}	цена лв.
A40T PDQNR/L 15	40	37.5	300	27	≥50	
A50U PDQNR/L 15	50	47	350	35	≥63	
A32S PDQNR/L 1504	32	30	250	22	≥40	
A40T PDQNR/L 1504	40	37.5	300	27	≥50	

PDUNR/L, 93°

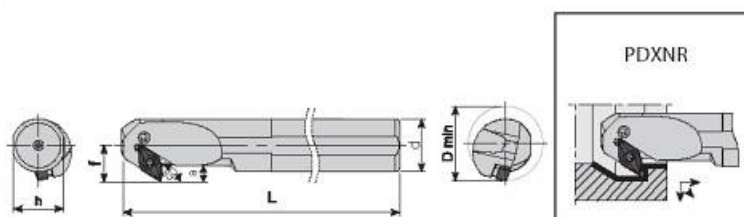
PDUNR/L	d	h	L	f	D _{min}	цена лв.
S20R PDUNR/L 11	20	18.3	200	13	≥25	
S25S PDUNR/L 11	25	23	250	17	≥32	
S25S PDUNR/L 15	25	23	250	19	≥32	
S32T PDUNR/L 15	32	30	300	22	≥40	
S40U PDUNR/L 15	40	37.5	350	27	≥50	
S50V PDUNR/L 15	50	47	400	35	≥63	
A20P PDUNR/L 11	20	18.3	170	13	≥25	
A25R PDUNR/L 11	25	23	200	17	≥32	
A32S PDUNR/L 15	32	30	250	22	≥40	



PDUNR/L	d	h	L	f	D _{min}	цена лв.
A40T PDUNR/L 15	40	37.5	300	27	≥50	
A50U PDUNR/L 15	50	47	350	35	≥63	

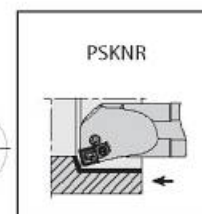
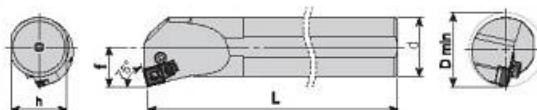
PDXNR/L, 93°

PDXNR/L	d	h	L	f	a	D _{min}	цена лв.
S32T PDXNR/L 15	32	30	300	25	12	≥45	
S40U PDXNR/L 15	40	37.5	350	27	14	≥50	
S50V PDXNR/L 15	50	47	400	35	19	≥63	



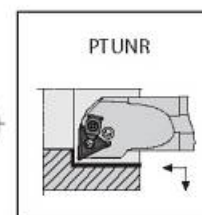
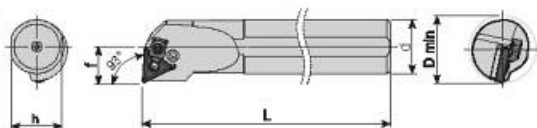
PSKNR/L, 75°

PSKNR/L	d	h	L	f	D _{min}	цена лв.
S25S PSKNR/L 12C	25	23	250	17	≥32	
S32T PSKNR/L 12C	32	30	300	22	≥40	
S40U PSKNR/L 12C	40	37.5	350	27	≥50	
S50V PSKNR/L 12C	50	47	400	35	≥63	



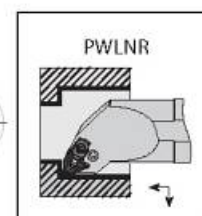
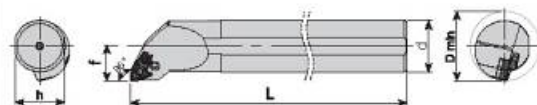
PTUNR/L, 93°

PTUNR/L	d	h	L	f	D _{min}	цена лв.
S16P PTUNR/L 16	16	14.8	170	11	≥20	
S20R PTUNR/L 16	20	18.3	200	13	≥25	
S25S PTUNR/L 16C	25	23	250	17	≥32	
S32T PTUNR/L 16C	32	30	300	22	≥40	
S40U PTUNR/L 16C	40	37.5	350	27	≥50	
S32T PTUNR/L 22C	32	30	300	22	≥40	
S40U PTUNR/L 22C	40	37.5	350	27	≥50	
S50V PTUNR/L 22C	50	47	400	35	≥63	



PWLNRL/L, 95°

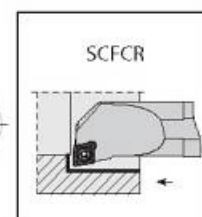
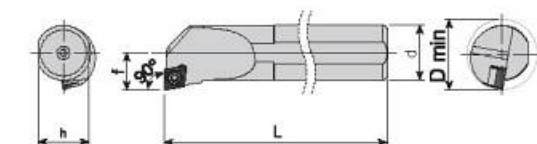
PWLNRL/L	d	h	L	f	D _{min}	цена лв.
S20R PWLNRL/L 06	20	18.3	200	13	≥25	
S25S PWLNRL/L 06	25	23	250	17	≥32	
S32T PWLNRL/L 06	32	30	300	22	≥40	
S25S PWLNRL/L 08C	25	23	250	17	≥32	
S32T PWLNRL/L 08C	32	30	300	22	≥40	
S40U PWLNRL/L 08C	40	37.5	350	27	≥50	
S50V PWLNRL/L 08C	50	47	400	35	≥63	
A20P PWLNRL/L 06	20	18.3	170	13	≥25	
A25R PWLNRL/L 06	25	23	200	17	≥32	
A32S PWLNRL/L 06	32	30	250	22	≥40	



PWLNRL/L	d	h	L	f	D _{min}	цена лв.
A25R PWLNRL/L 08C	25	23	200	17	≥32	
A32S PWLNRL/L 08C	32	30	250	22	≥40	
A40T PWLNRL/L 08C	40	37.5	300	27	≥50	
A50U PWLNRL/L 08C	50	47	350	22	≥63	

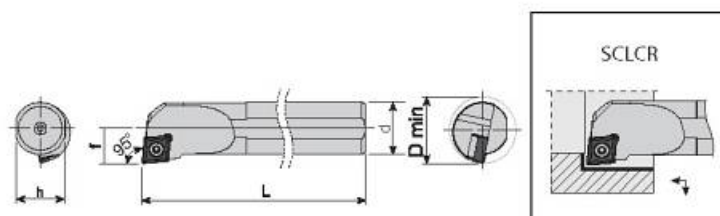
SCFCR/L, 90°

SCFCR/L	d	h	L	f	D _{min}	цена лв.
S08H SCFCR/L 06	08	7.3	100	06	≥11	
S10K SCFCR/L 06	10	09	125	07	≥13	
S12K SCFCR/L 06	12	11	125	09	≥16	
S12K SCFCR/L 09	12	11	125	09	≥16	
S16P SCFCR/L 09	16	14.8	170	11	≥20	
S20R SCFCR/L 09	20	18.3	200	13	≥25	
S25S SCFCR/L 09	25	23	250	17	≥32	



SCLCR/L, 95°

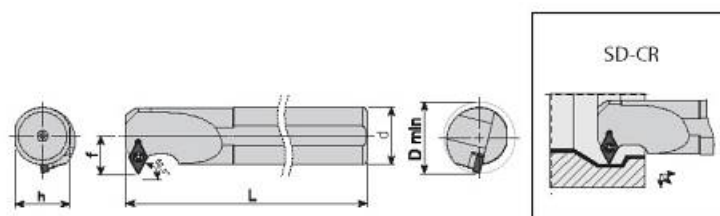
SCLCR/L	d	h	L	f	D _{min}	цена лв.
S0608H SCLCR/L 03	06	7.3	100	3	≥6	
S0608H SCLCR/L 06	06	7.3	100	4.5	≥8	
S08H SCLCR/L 06	08	7.3	100	06	≥11	
S10K SCLCR/L 06	10	09	125	07	≥13	
S12K SCLCR/L 06	12	11	125	09	≥16	
S1216P SCLCR/L 06	12	14.8	170	09	≥16	
S16P SCLCR/L 06	16	14.8	170	11	≥20	
S12K SCLCR/L 09	12	11	125	09	≥16	
S1416P SCLCR/L 09	14	14.8	170	9.5	≥17	
S16P SCLCR/L 09	16	14.8	170	11	≥20	
S1620R SCLCR/L 09	16	18.3	200	11	≥20	
S20R SCLCR/L 09	20	18.3	200	13	≥25	
S25S SCLCR/L 09	25	23	250	17	≥32	
S32T SCLCR/L 09	32	30	300	22	≥40	
S25S SCLCR/L 12	25	23	250	17	≥32	
S32T SCLCR/L 12	32	30	300	22	≥40	



SCLCR/L	d	h	L	f	D _{min}	цена лв.
S40U SCLCR/L 12	40	37.5	350	27	≥50	
A08H SCLCR/L 06	08	7.3	100	06	≥11	
A10H SCLCR/L 06	10	09	100	07	≥13	
A12H SCLCR/L 06	12	11	100	09	≥16	
A16M SCLCR/L 09	16	14.8	150	11	≥20	
A20P SCLCR/L 09	20	18.3	170	13	≥25	
A25R SCLCR/L 09	25	23	200	17	≥32	
A32S SCLCR/L 09	32	30	250	22	≥40	
A25R SCLCR/L 12	25	23	200	17	≥32	

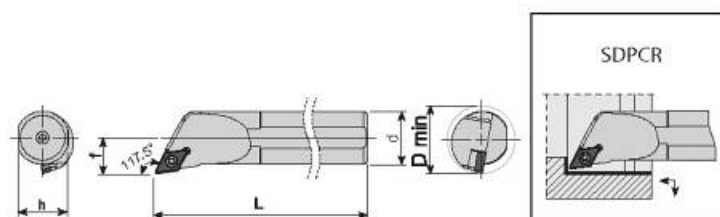
SD-CR/L, 62.5°

SD-CR/L	d	h	L	f	D _{min}	цена лв.
S10K SD-CR/L 07	10	9	125	07	≥13	
S12K SD-CR/L 07	12	11	125	09	≥16	
S16P SD-CR/L 07	16	14.8	170	11	≥20	
S16P SD-CR/L 11	16	14.8	170	11	≥20	
S20R SD-CR/L 11	20	18.3	200	13	≥25	
S25S SD-CR/L 11	25	23	250	18	≥32	
S32T SD-CR/L 11	32	30	300	22	≥40	
S40U SD-CR/L 11	40	37.5	350	27	≥50	



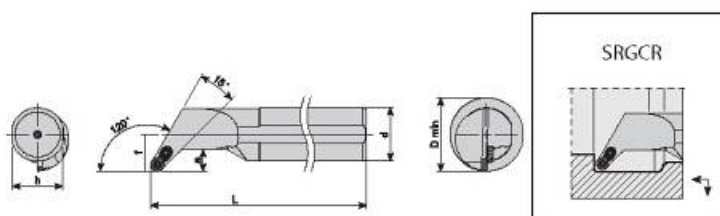
SDPCR/L, 117.5°

SDPCR/L	d	h	L	f	D _{min}	цена лв.
S10K SDPCR/L 07	10	09	125	07	≥13	
S12K SDPCR/L 07	12	11	125	09	≥16	
S16P SDPCR/L 11	16	14.8	170	11	≥20	
S20R SDPCR/L 11	20	18.3	200	13	≥25	
S25S SDPCR/L 11	25	23	250	17	≥32	



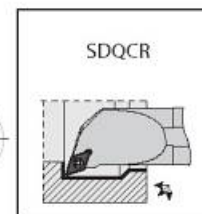
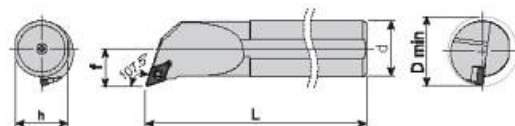
SRGCR/L

SRGCR/L	d	h	L	f	D _{min}	цена лв.
S16P SRGCR/L 08	16	14.8	170	11	≥22	
S20R SRGCR/L 08	20	18.3	200	13	≥26	
S25S SRGCR/L 08C	25	23	250	17	≥34	
S32T SRGCR/L 08C	32	30	300	22	≥44	
S40U SRGCR/L 08C	40	37.5	350	27	≥54	



SDQCR/L, 107.5°

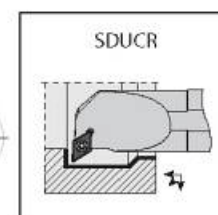
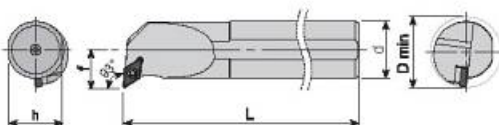
SDQCR/L	d	h	L	f	D _{min}	цена лв.
S10K SDQCR/L 07	10	09	125	07	≥13	
S12K SDQCR/L 07	12	11	125	09	≥16	
S16P SDQCR/L 07	16	14.8	170	11	≥20	
S20R SDQCR/L 07	20	18.3	200	13	≥25	
S16P SDQCR/L 11	16	14.8	170	11	≥20	
S20R SDQCR/L 11	20	18.3	200	13	≥25	
S25S SDQCR/L 11	25	23	250	17	≥32	
S32T SDQCR/L 11	32	30	300	22	≥40	
S40U SDQCR/L 11	40	37.5	350	27	≥50	
A10H SDQCR/L 07	10	09	100	07	≥13	
A12H SDQCR/L 07	12	11	100	09	≥16	
A16M SDQCR/L 07	16	14.8	150	11	≥20	



SDQCR/L	d	h	L	f	D _{min}	цена лв.
A20P SDQCR/L 07	20	18.3	170	13	≥25	
A16M SDQCR/L 11	16	14.8	150	11	≥20	
A20P SDQCR/L 11	20	18.3	170	13	≥25	
A25R SDQCR/L 11	25	23	200	17	≥32	
A32S SDQCR/L 11	32	30	250	22	≥40	

SDUCR/L, 93°

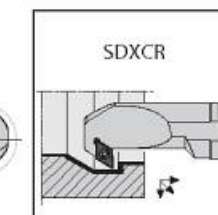
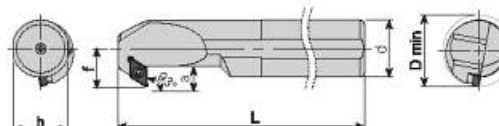
SDUCR/L	d	h	L	f	D _{min}	цена лв.
S0810K SDUCR/L 07	08	09	125	06	≥11	
S10K SDUCR/L 07	10	09	125	08	≥13	
S12K SDUCR/L 07	12	11	125	09	≥16	
S1216P SDUCR/L 07	12	14.8	170	09	≥16	
S1416P SDUCR/L 07	14	14.8	170	9.5	≥17	
S16P SDUCR/L 07	16	14.8	170	11	≥20	
S20R SDUCR/L 07	20	18.3	200	13	≥25	
S1416P SDUCR/L 11	14	14.8	170	9.5	≥17	
S16P SDUCR/L 11	16	14.8	170	11	≥20	
S1620R SDUCR/L 11	16	18.3	200	11	≥20	
S20R SDUCR/L 11	20	18.3	200	13	≥25	
S25S SDUCR/L 11	25	23	250	17	≥32	
S32T SDUCR/L 11	32	30	300	22	≥40	
S40U SDUCR/L 11	40	37.5	350	27	≥50	
S50V SDUCR/L 11	50	47	400	35	≥63	



SDUCR/L	d	h	L	f	D _{min}	цена лв.
A0810H SDUCR/L 07	08	09	100	06	≥11	
A10H SDUCR/L 07	10	09	100	07	≥13	
A12H SDUCR/L 07	12	11	100	09	≥16	
A16M SDUCR/L 07	16	14.8	150	11	≥20	
A20P SDUCR/L 07	20	18.3	170	13	≥25	
A16M SDUCR/L 11	16	14.8	150	11	≥20	
A20P SDUCR/L 11	20	18.3	170	13	≥25	
A25R SDUCR/L 11	25	23	200	17	≥32	
A32S SDUCR/L 11	32	30	250	22	≥40	

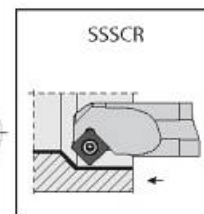
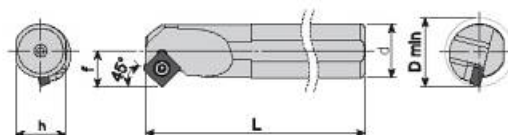
SDXCR/L, 93°

SDXCR/L	d	h	L	f	D _{min}	цена лв.
S12K SDXCR/L 07	12	11	125	09	4	≥17
S16P SDXCR/L 07	16	14.8	170	11	6	≥20
S20R SDXCR/L 11	20	18.3	200	14	7	≥25
S25S SDXCR/L 11	25	23	250	17	8.5	≥32
S32T SDXCR/L 11	32	30	300	22	12	≥40
S40U SDXCR/L 11	40	37.5	350	27	14	≥50



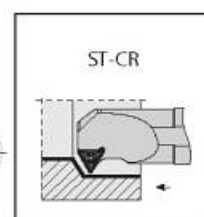
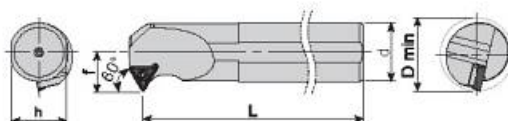
SSSCR/L, 45°

SSSCR/L	d	h	L	f	D _{min}	цена лв.
S16P SSSCR/L 09	16	14.8	170	11	≥20	
S20R SSSCR/L 09	20	18.3	200	13	≥25	
S25S SSSCR/L 09	25	23	250	17	≥32	
S25S SSSCR/L 12	25	23	250	17	≥32	
S32T SSSCR/L 12	32	30	300	22	≥40	
S40U SSSCR/L 12	40	37.5	350	27	≥50	



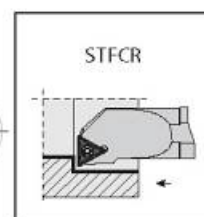
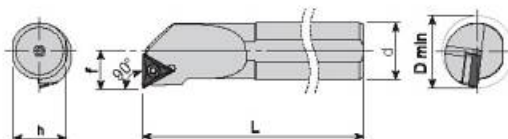
ST-CR/L, 60°

ST-CR/L	d	h	L	f	D _{min}	цена лв.
S12K ST-CR/L 11	12	11	125	09	≥17	
S16P ST-CR/L 11	16	14.8	170	11	≥20	
S20R ST-CR/L 11	20	18.3	200	13	≥25	
S16P ST-CR/L 16	16	14.8	170	11	≥20	
S20R ST-CR/L 16	20	18.3	200	13	≥25	
S25S ST-CR/L 16	25	23	250	17	≥32	
S32T ST-CR/L 16	32	30	300	22	≥40	
S40U ST-CR/L 16	40	37.5	350	27	≥50	



STFCR/L, 90°

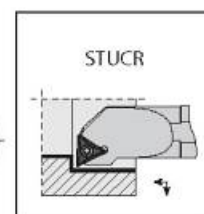
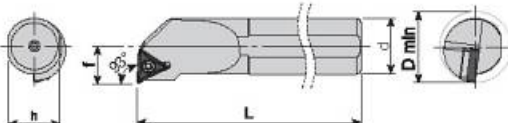
STFCR/L	d	h	L	f	D _{min}	цена лв.
S0610F STFCR/L 06	06	09	80	4.5	≥08	
S08H STFCR/L 06	08	7.3	100	06	≥11	
S10K STFCR/L 09	10	09	125	07	≥13	
S12K STFCR/L 09	12	11	125	09	≥17	
S12K STFCR/L 11	12	11	125	09	≥17	
S16P STFCR/L 11	16	14.8	170	11	≥20	
S20R STFCR/L 11	20	18.3	200	13	≥25	
S16P STFCR/L 16	16	14.8	170	11	≥20	
S20R STFCR/L 16	20	18.3	200	13	≥25	



STFCR/L	d	h	L	f	D _{min}	цена лв.
S25S STFCR/L 16	25	23	250	17	≥32	
S32T STFCR/L 16	32	30	300	22	≥40	

STUCR/L, 93°

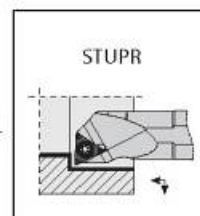
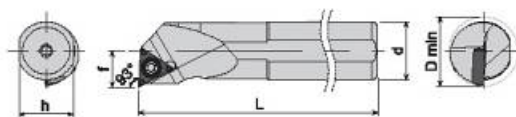
STUCR/L	d	h	L	f	D _{min}	цена лв.
S10K STUCR/L 09	10	09	125	07	≥13	
S12K STUCR/L 09	12	11	125	09	≥16	
S12K STUCR/L 11	12	11	125	09	≥17	
S16P STUCR/L 11	16	14.8	170	11	≥20	
S20R STUCR/L 11	20	18.3	200	13	≥25	
S16P STUCR/L 16	16	14.8	170	11	≥20	
S20R STUCR/L 16	20	18.3	200	13	≥25	
S25S STUCR/L 16	25	23	250	17	≥32	



STUCR/L	d	h	L	f	D _{min}	цена лв.
S32T STUCR/L 16	32	30	300	22	≥40	
S40U STUCR/L 16	40	37.5	350	27	≥50	

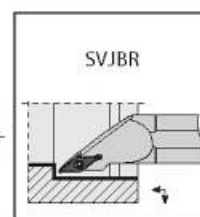
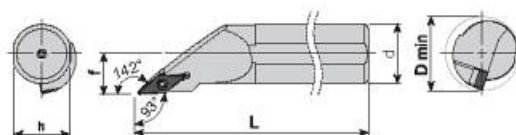
STUPR/L, 93°

STUPR/L	d	h	L	f	D _{min}	цена лв.
S08H STUPR/L 0802	08	7.3	100	05	≥10	
S10K STUPR/L 1103	10	09	125	06	≥12	
S12K STUPR/L 1103	12	11	125	09	≥16	
S12M STUPR/L 1103	12	11	150	08	≥16	
S16P STUPR/L 1103	16	14.8	170	10	≥20	
S16R STUPR/L 1103	16	14.8	200	10	≥20	



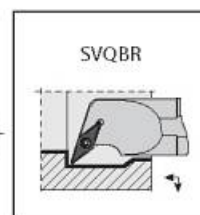
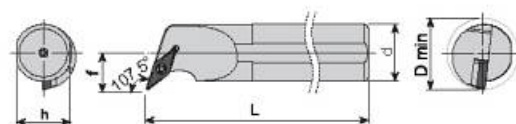
SVJBR/L, 142°

SVJBR/L	d	h	L	f	D _{min}	цена лв.
S25S SVJBR/L 16	25	23	250	17	≥32	
S32T SVJBR/L 16	32	30	300	22	≥40	
S40U SVJBR/L 16	40	37.5	350	27	≥50	



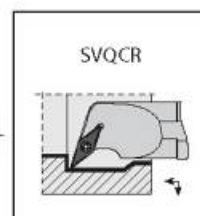
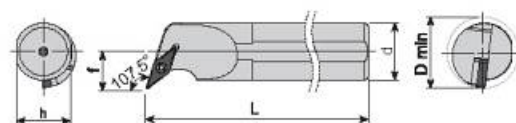
SVQBR/L, 107.5°

SVQBR/L	d	h	L	f	D _{min}	цена лв.
S16P SVQBR/L 11	16	14.8	170	11	≥20	
S20R SVQBR/L 11	20	18.3	200	13	≥25	
S25S SVQBR/L 16	25	23	250	17	≥32	
S32T SVQBR/L 16	32	30	300	22	≥40	
S40U SVQBR/L 16	40	37.5	350	27	≥50	



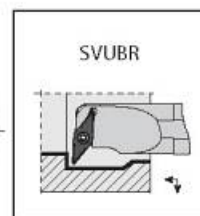
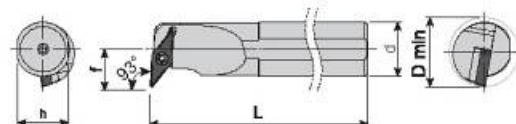
SVQCR/L, 107.5°

SVQCR/L	d	h	L	f	D _{min}	цена лв.
S16P SVQCR/L 11	16	14.8	170	11	≥20	
S20R SVQCR/L 11	20	18.3	200	13	≥25	
S25S SVQCR/L 16	25	23	250	17	≥32	
S32T SVQCR/L 16	32	30	300	22	≥40	
S40U SVQCR/L 16	40	37.5	350	27	≥50	



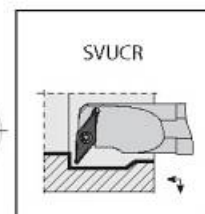
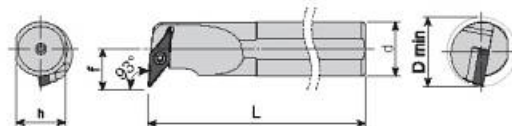
SVUBR/L, 93°

SVUBR/L	d	h	L	f	D _{min}	цена лв.
S16P SVUBR/L 11	16	14.8	170	12.5	≥20	
S20R SVUBR/L 11	20	18.3	200	13	≥25	
S25S SVUBR/L 16	25	23	250	19	≥32	
S32T SVUBR/L 16	32	30	300	22	≥40	
S40U SVUBR/L 16	40	37.5	350	27	≥50	



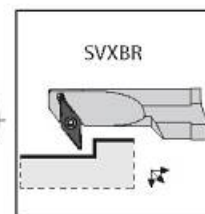
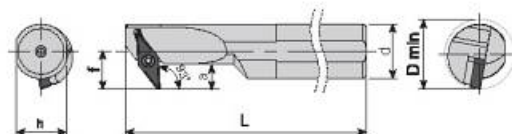
SVUCR/L, 93°

SVUCR/L	d	h	L	f	D _{min}	цена лв.
S16P SVUCR/L 11	16	14.8	170	12.5	≥20	
S20R SVUCR/L 11	20	18.3	200	13	≥25	
S25S SVUCR/L 16	25	23	250	19	≥32	
S32T SVUCR/L 16	32	30	300	22	≥40	
S40U SVUCR/L 16	40	37.5	350	27	≥50	



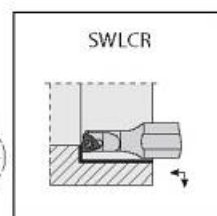
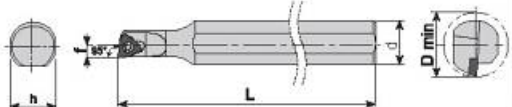
SVXBR/L, 93°

SVXBR/L	d	h	L	f	a	D _{min}	цена лв.
S16P SVXBR/L 11	16	14.8	170	11	6	≥20	
S20R SVXBR/L 11	20	18.3	200	13	6	≥25	
S25S SVXBR/L 16	25	23	250	19	8.5	≥32	
S32T SVXBR/L 16	32	30	300	22	12	≥40	
S40U SVXBR/L 16	40	37.5	350	27	14	≥50	



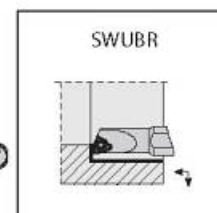
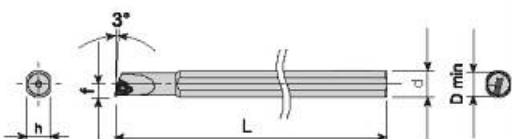
SWLCR, 95°

SWLCR	d	h	L	f	D _{min}	цена лв.
S0608H SWLCR 03	08	7.3	100	04	≥08	
S0810K SWLCR 03	10	09	125	07	≥10	



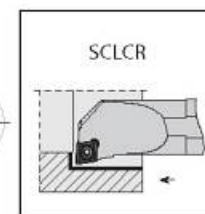
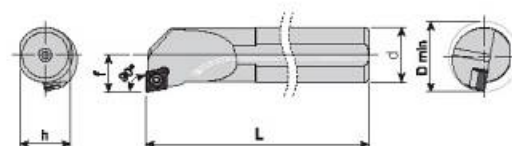
SWUBR, 93°

SWUBR	d	h	L	f	D _{min}	цена лв.
S08H SWUBR 06-5.5	08	7.3	100	2.75	≥5.5	
S08H SWUBR 06-7	08	7.3	100	3.5	≥7	



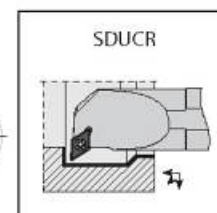
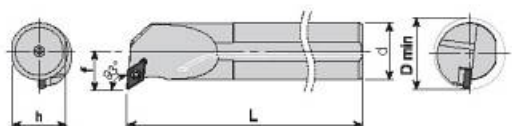
SCLCR/L, 95° - Антивибрационен

SCLCR/L	d	h	L	f	D _{min}	цена лв.
E08K SCLCR/L 06	8	7.5	125	6	≥11	
E10M SCLCR/L 06	10	9.5	150	7	≥13	
E12Q SCLCR/L 06	12	11	180	9	≥16	
E16R SCLCR/L 09	16	15	200	11	≥20	



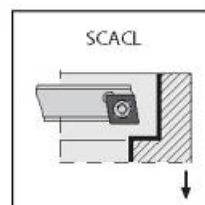
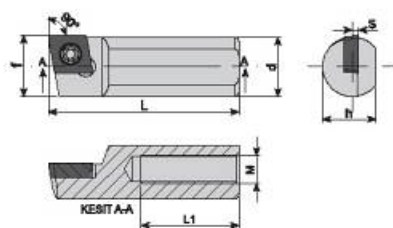
SDUCR/L, 93° - Антивибрационен

SDUCR/L	d	h	L	f	D _{min}	цена лв.
E10M SDUCR/L 07	10	9.5	150	8	≥11	
E12Q SDUCR/L 07	12	11	180	9	≥16	
E16R SDUCR/L 11	16	15	200	11	≥20	



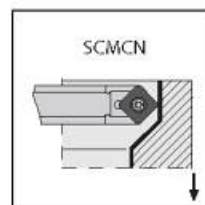
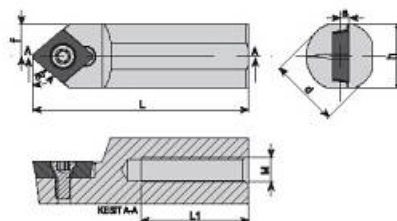
SCACR/L, 90°

SCACR/L	d	h	L	L ₁	S	f	M	цена лв.
S10X SCACR/L 06	10	9	25	10	1	10.3	M5x0.8	
S10A SCACR/L 06	10	9	32	15	1	10.3	M5x0.8	
S10C SCACR/L 06	10	9	50	25	1	10.3	M5x0.8	
S12B SCACR/L 06	12	11	40	25	1	12.3	M5x0.8	
S12D SCACR/L 06	12	11	60	25	1	12.3	M5x0.8	
S15C SCACR/L 09	15	14	50	25	2	15.3	M8x1.25	
S15E SCACR/L 09	15	14	70	45	2	15.3	M8x1.25	
S15D SCACR/L 09	15	14	60	30	2	15.3	M8x1.25	
S16A SCACR/L 09	16	15	32	15	2	16.5	M6x1	
S16B SCACR/L 09	16	15	40	20	2	16.5	M6x1	
S16C SCACR/L 09	16	15	50	25	2	16.5	M6x1	
S16D SCACR/L 09	16	15	60	30	2	16.5	M6x1	
S16E SCACR/L 09	16	15	70	30	2	16.5	M6x1	
S16G SCACR/L 09	16	15	90	30	2	16.5	M6x1	
S16H SCACR/L 09	16	15	100	35	4	16.5	M6x1	
S18E SCACR/L 09	18	17	70	30	2	18.5	M8x1.25	
S20E SCACR/L 09	20	18.3	70	30	2	20.5	M6x1	
S20E SCACR/L 12	20	18.3	70	30	2	20.5	M6x1	
S20H SCACR/L 12	20	18.3	100	30	2	20.5	M6x1	



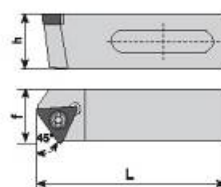
SCMCN, 50°

SCMCN	d	h	L	L ₁	S	f	M	цена лв.
S10X SCMCN 06	10	9	25	10	1	5	M5x0.8	
S16C SCMCN 09	16	15	50	25	2	8	M6x1	
S16D SCMCN 09	16	15	60	25	4	8	M6x1	



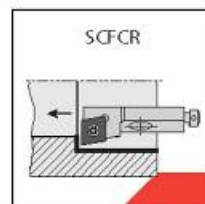
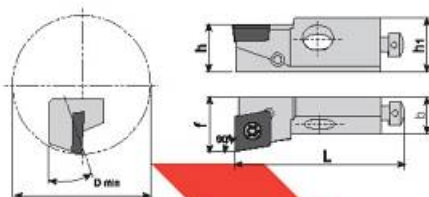
STXCR/L

STXCR/L	d	h	L	f	цена лв.
STXCR/L 2020 B16	20	20	40	20	
STXCR/L 2020 E16	20	20	70	20	
STXCR/L 2020 B16-SA	20	20	40	20	
STXCR/L 2020 E16-SA	20	20	70	20	



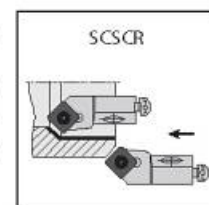
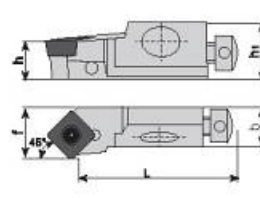
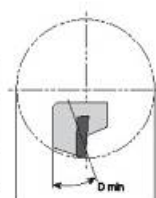
SCFCR/L, 90°

SCFCR/L	h	h ₁	b	L	f	D _{min}	цена лв.
SCFCR/L 06CA 06	6	8.5	6	25	8	≥20	
SCFCR/L 08CA 06	8	11	8	32	10	≥25	
SCFCR/L 10CA 09	10	15	11	50	14	≥40	
SCFCR/L 12CA 12	12	18	15	55	20	≥50	
SCFCR/L 16CA 12	16	21	20	63	25	≥60	



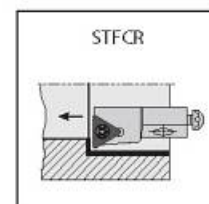
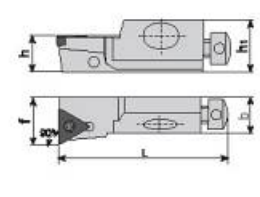
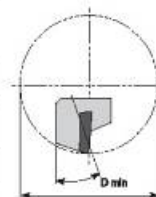
SCSCR/L, 45°

SCSCR/L	h	h ₁	b	L	f	D _{min}	цена лв.
SCSCR/L 06CA 06	6	8	6	21	8	≥20	
SCSCR/L 10CA 09	10	15	11	44	14	≥40	
SCSCR/L 12CA 12	12	18	15	47	20	≥50	



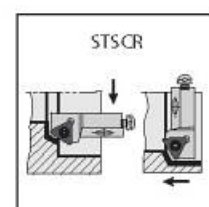
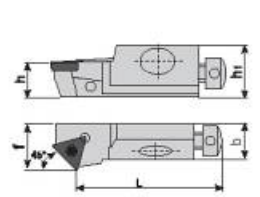
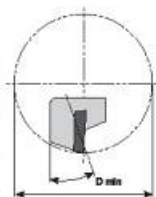
STFCR/L, 90°

STFCR/L	h	h ₁	b	L	f	D _{min}	цена лв.
STFCR/L 08CA 09	8	11	8	32	10	≥25	
STFCR/L 10CA 11	10	15	11	50	14	≥40	
STFCR/L 12CA 16	12	20	15	55	20	≥50	
STFCR/L 16CA 16	16	21	20	63	20	≥60	



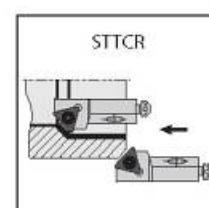
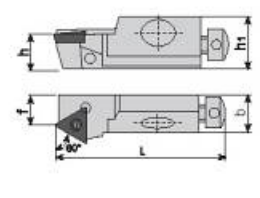
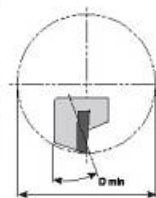
STSCR/L, 45°

STSCR/L	h	h ₁	b	L	f	D _{min}	цена лв.
STSCR/L 08CA 09	8	11	8	28	10	≥25	
STSCR/L 10CA 11	10	15	11	44	14	≥40	
STSCR/L 12CA 16	12	20	15	55	20	≥50	



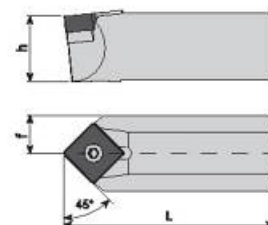
STTCR/L, 60°

STTCR/L	h	h ₁	b	L	f	D _{min}	цена лв.
STTCR/L 08CA 09	8	11	8	32	6	≥25	
STTCR/L 10CA 11	10	15	11	50	9	≥40	



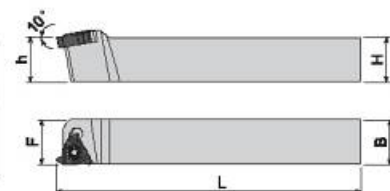
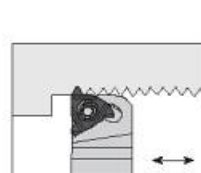
PSDNN, 45°

PSDNN	d	h	L	f	цена лв.
S22D PSDNN 12C	22	19.5	60	11	



SER/L

SER/L	h=H	B	L	F	цена лв.
SER/L 1010 K11-S	10	10	125	10	
SER/L 1212 K11-S	12	12	125	12	



SER/L

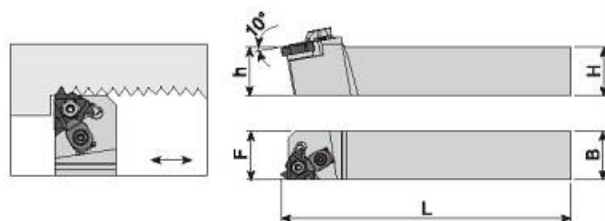
SER/L	h=H	B	L	F	цена лв.
SER/L 0808 E11	08	08	70	11	
SER/L 1010 E11	10	10	70	11	
SER/L 1212 F11	12	12	80	12	
SER/L 1616 H11	16	16	100	16	
SER/L 1616 H16C	16	16	100	16	
SER/L 2020 K16C	20	20	125	20	
SER/L 2525 M16C	25	25	150	25	
SER/L 3232 P16C	32	32	170	32	
SER/L 2525 M22C	25	25	150	25	
SER/L 3232 P22C	32	32	170	32	
SER/L 4040 S22C	40	40	250	40	

TER/L

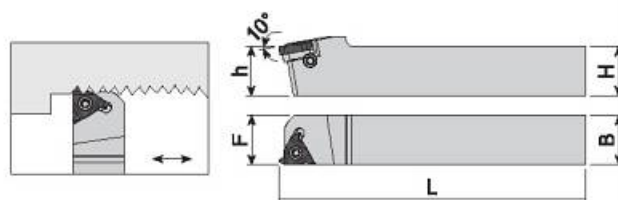
TER/L	h=H	B	L	F	цена лв.
TER/L 1616 H16	16	16	100	16	
TER/L 2020 K16	20	20	125	20	
TER/L 2525 M16	25	25	150	25	
TER/L 3232 P16	32	32	170	32	
TER/L 2525 M22	25	25	150	25	
TER/L 3232 P22	32	32	170	32	
TER/L 4040 S22	40	40	250	40	
TER/L 2525 M27	25	25	150	25	

SIR/L

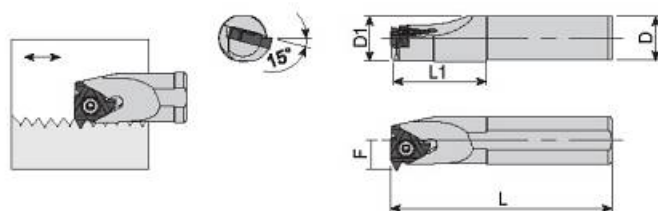
SIR/L	D	D1	L	L1	F	D _{min}	цена лв.
SIR/L S16X07M 08	16	07	150	18	5.3	7.8	
SIR/L S10H 11	10	10	100	-	7.4	12	
SIR/L S12K 11	12	12	125	-	8.4	16	
SIR/L S16X10M 11	16	10	150	25	7.4	12	
SIR/L S16X13M 11	16	13	150	32	8.9	15	
SIR/L S16M 11	16	16	150	-	11.7	19	
SIR/L S16X13M 16	16	13	150	32	10.2	16	
SIR/L S16M 16	16	16	150	-	11.7	19	
SIR/L S20X16P 16	20	16	170	40	11.7	19	
SIR/L S20P 16	20	20	170	-	13.7	24	
SIR/L S25R 16C	25	25	200	-	16.2	29	
SIR/L S32S 16C	32	32	250	-	19.7	36	
SIR/L S40T 16C	40	40	300	-	23.7	44	
SIR/L S50U 16C	50	50	350	-	28.7	54	
SIR/L S20P 22	20	20	170	-	14	24	



SER/L	h=H	B	L	F	цена лв.
SER/L 2525 M16C-T	25	25	150	25	
SER/L 2525 M22C-T	25	25	150	25	
SER/L 2020 K16C-S	20	20	125	20	
SER/L 2525 M16C-S	25	25	150	25	
SER/L 3232 P16C-S	32	32	170	32	



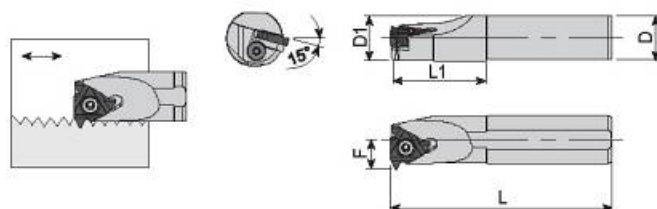
TER/L	h=H	B	L	F	цена лв.
DER/L 3232 P27	32	32	170	32	
DER/L 4040 S27	40	40	250	40	



SIR/L	D	D1	L	L1	F	D _{min}	цена лв.
SIR/L S25R 22C	25	25	200	-	18.1	29	
SIR/L S32S 22C	32	32	250	-	21.6	38	
SIR/L S40T 22C	40	40	300	-	25.6	46	
SIR/L S50U 22C	50	50	350	-	30.6	58	
SIR/L S25R 16C-T	25	25	200	-	16.2	29	
SIR/L S32S 16C-T	32	32	250	-	19.7	36	
SIR/L S25R 22C-T	25	25	200	-	18.1	29	
SIR/L S32S 22C-T	32	32	250	-	21.6	38	

TIR/L

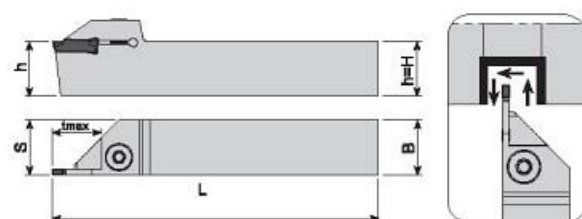
TIR/L	D	D1	L	L1	F	D _{min}	цена лв.
TIR/L S25R 16	25	25	200	-	16.2	29	
TIR/L S32S 16	32	32	250	-	19.7	36	
TIR/L S40T 16	40	40	300	-	23.7	44	
TIR/L S50U 16	50	50	350	-	28.7	54	
TIR/L S25R 22	25	25	200	-	18.1	29	
TIR/L S32S 22	32	32	250	-	21.6	38	
TIR/L S40T 22	40	40	300	-	25.6	46	
TIR/L S50U 22	50	50	350	-	30.6	58	
TIR/L S32S 27	32	32	250	-	22.6	40	



TIR/L	D	D1	L	L1	F	D _{min}	цена лв.
TIR/L S40T 27	40	40	300	-	26.6	48	
TIR/L S50U 27	50	50	350	-	31.6	58	

ADKT-K-R/L

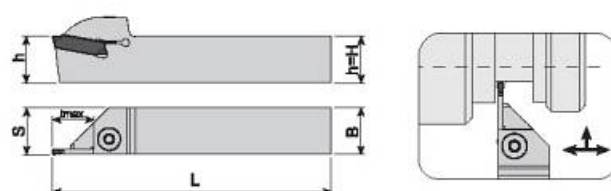
ADKT-K-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-K-R/L-1212-2-T15	12	12	100	12.3	15	
ADKT-K-R/L-1616-2-T15	16	16	100	16.3	15	
ADKT-K-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-K-R/L-2525-2-T15	25	25	150	25.3	15	
ADKT-K-R/L-3232-2-T15	32	32	170	32.3	15	
ADKT-K-R/L-1212-3-T15	12	12	100	12.3	15	
ADKT-K-R/L-1616-3-T15	16	16	100	16.4	15	
ADKT-K-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-K-R/L-2525-3-R15	25	25	150	25.4	15	
ADKT-K-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-K-R/L-3232-3-T22	32	32	170	32.4	22	
ADKT-K-R/L-2020-4-T20	20	20	125	20.4	20	
ADKT-K-R/L-2525-4-T18	25	25	150	25.4	18	
ADKT-K-R/L-2525-4-T22	25	25	150	25.4	22	



ADKT-K-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-K-R/L-3232-4-T22	32	32	170	32.4	22	
ADKT-K-R/L-2020-5-T20	20	20	125	20.5	20	
ADKT-K-R/L-2525-5-T18	25	25	150	25.5	18	
ADKT-K-R/L-2525-5-T25	25	25	150	25.5	25	
ADKT-K-R/L-3232-5-T25	32	32	170	32.5	25	
ADKT-K-R/L-2525-6-T25	25	25	150	25.6	25	
ADKT-K-R/L-3232-6-T25	32	32	170	32.6	25	
ADKT-K-R/L-3232-8-T32	32	32	170	32.8	32	

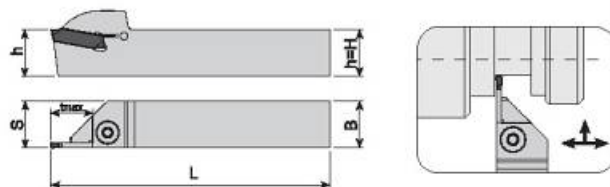
ADKT-H-R/L

ADKT-H-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-H-R/L-2020-3-T20	20	20	125	20.5	20	
ADKT-H-R/L-2525-3-T22	25	25	150	25.5	22	
ADKT-H-R/L-2020-4-T20	20	20	125	20.5	20	
ADKT-H-R/L-2525-4-T22	25	25	150	25.5	22	
ADKT-H-R/L-3232-4-T22	32	32	170	32.5	22	
ADKT-H-R/L-2020-5-T20	20	20	125	20.5	20	
ADKT-H-R/L-2525-5-T25	25	25	150	25.5	25	
ADKT-H-R/L-2525-6-T25	25	25	150	25.6	25	



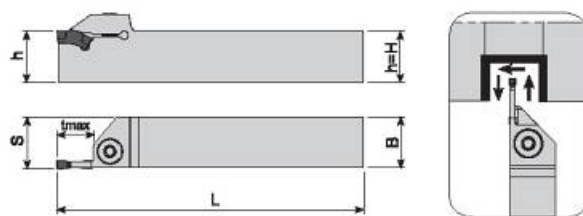
ADKT-HK-R/L

ADKT-HK-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-HK-R/L-1616-2-T15	16	16	125	16.3	15	
ADKT-HK-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-HK-R/L-2525-2-T15	25	25	150	25.3	15	
ADKT-HK-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-HK-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-HK-R/L-2020-4-T20	20	20	125	20.4	20	
ADKT-HK-R/L-2525-4-T22	25	25	150	25.4	22	
ADKT-HS223-R/L-2020-2-T15	20	20	125	20.4	15	



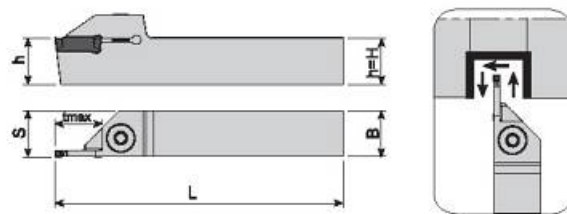
ADKT-ITG-R/L

ADKT-ITG-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-ITG-R/L-2020-3-T8	20	20	125	20.3	8	
ADKT-ITG-R/L-2525-3-T8	25	25	150	25.3	8	
ADKT-ITG-R/L-3232-3-T8	32	32	170	32.3	8	
ADKT-ITG-R/L-2020-4-T9	20	20	125	20.4	9	
ADKT-ITG-R/L-2525-4-T17	25	25	150	25.4	17	
ADKT-ITG-R/L-3232-4-T17	32	32	170	32.4	17	



ADKT-I-R/L

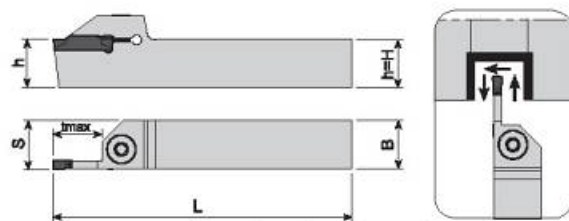
ADKT-I-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-I-R/L-1212-2-T15	12	12	125	16.3	15	
ADKT-I-R/L-1616-2-T15	16	16	100	16.3	15	
ADKT-I-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-I-R/L-2525-2-T15	25	25	150	25.3	15	
ADKT-I-R/L-1212-3-T15	12	12	100	16.3	15	
ADKT-I-R/L-1616-3-T15	16	16	125	16.4	15	
ADKT-I-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-I-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-I-R/L-2020-4-T20	20	20	125	20.4	20	
ADKT-I-R/L-2525-4-T22	25	25	150	25.4	22	
ADKT-I-R/L-3232-4-T25	32	32	170	32.4	25	
ADKT-I-R/L-2020-5-T20	20	20	125	20.5	20	
ADKT-I-R/L-2525-5-T25	25	25	150	25.5	25	
ADKT-IG-R/L-2020-3-R20	20	20	125	20.4	20	
ADKT-IG-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-IGI-R/L-2020-2-T15	20	20	125	20.3	15	



ADKT-I-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-IGI-R/L-2525-2-T15	25	25	150	25.4	15	
ADKT-IGI-R/L-1616-3-T15	16	16	125	16.4	15	
ADKT-IGI-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-IGI-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-IGI-R/L-2525-4-T22	25	25	150	25.5	22	
ADKT-IGI-R/L-2525-5-T25	25	25	150	25.6	25	
ADKT-IGI-R/L-2525-8-T30	25	25	150	25.8	30	
ADKT-IGTN-R/L-2525-5-T25	25	25	150	25.6	25	

ADKT-123-R/L

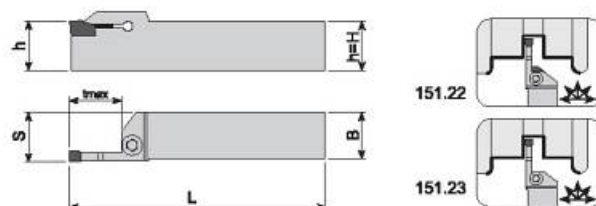
ADKT-123-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-123-R/L-1212-1.5-R15	12	12	100	16.2	15	
ADKT-123-R/L-1616-1.5-R15	16	16	125	16.3	15	
ADKT-123-R/L-1616-2-T15	16	16	125	16.3	15	
ADKT-123-R/L-2020-2-T8	20	20	125	20.2	8	
ADKT-123-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-123-R/L-2525-2-T15	25	25	150	25.3	15	
ADKT-123-R/L-3232-2-T15	32	32	170	32.3	15	
ADKT-123-R/L-1616-3-T15	16	16	125	16.4	15	
ADKT-123-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-123-R/L-2525-3-T22	25	25	150	25.4	22	



ADKT-123-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-123-R/L-2020-4-T20	20	20	125	20.4	20	
ADKT-123-R/L-2525-4-T22	25	25	150	25.4	22	
ADKT-123-R/L-3232-4-T25	32	32	170	32.4	25	
ADKT-123-R/L-2020-5-T20	20	20	125	20.5	20	
ADKT-123-R/L-2525-5-T25	25	25	150	25.5	25	
ADKT-123-R/L-3232-6-T15	32	32	170	32.5	15	

ADKT-151.22-R/L

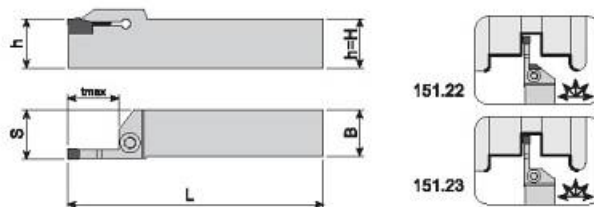
ADKT-151.22-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-151.22-R/L-1616-2-T15	16	16	125	16.3	15	
ADKT-151.22-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-151.22-R/L-2525-2-T15	25	25	150	25.3	15	
ADKT-151.22-R/L-1616-3-T15	16	16	125	16.4	15	
ADKT-151.22-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-151.22-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-151.22-R/L-1616-4-T15	16	16	125	16.4	15	



ADKT-151.22-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-151.22-R/L-2020-4-T20	20	20	125	20.4	20	
ADKT-151.22-R/L-2525-4-T22	25	25	150	25.4	22	
ADKT-151.22-R/L-2020-5-T20	20	20	125	20.5	20	
ADKT-151.22-R/L-2525-5-T25	25	25	150	25.5	25	

ADKT-151.23-R/L

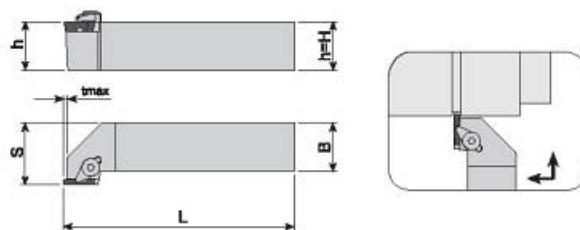
ADKT-151.23-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-151.23-R/L-1616-2-T15	16	16	125	16.3	15	
ADKT-151.23-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-151.23-R/L-2525-2-T15	25	25	150	25.3	15	
ADKT-151.23-R/L-1616-2.5-T15	16	16	125	16.3	15	
ADKT-151.23-R/L-2020-2.5-T15	20	20	125	20.3	15	
ADKT-151.23-R/L-2525-2.5-T15	25	25	150	25.3	15	
ADKT-151.23-R/L-1212-3-T15	12	12	100	16.4	15	
ADKT-151.23-R/L-1616-3-T15	16	16	125	16.4	15	
ADKT-151.23-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-151.23-R/L-2525-3-T20	25	25	150	25.4	20	



ADKT-151.23-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-151.23-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-151.23-R/L-1616-4-T15	16	16	125	16.4	15	
ADKT-151.23-R/L-2020-4-T20	20	20	125	20.4	20	
ADKT-151.23-R/L-2525-4-T22	25	25	150	25.4	22	
ADKT-151.23-R/L-2020-5-T20	20	20	125	20.5	20	
ADKT-151.23-R/L-2525-5-T25	25	25	150	25.5	25	

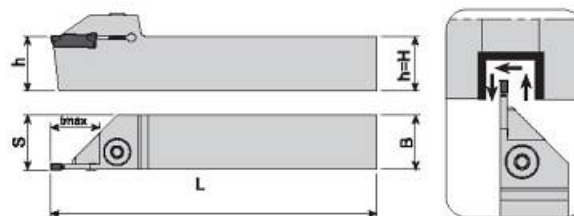
ADKT-154-91-R/L

ADKT-154-91-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-154-91-R/L-2020-3-T4	20	20	125	20.4	4	
ADKT-154-91-R/L-2525-3-T4	25	25	150	25.4	4	
ADKT-154-91-R/L-2020-5-T5	20	20	125	20.5	5	
ADKT-154-91-R/L-2525-5-T5	25	25	150	25.5	5	



ADKT-TD-R/L

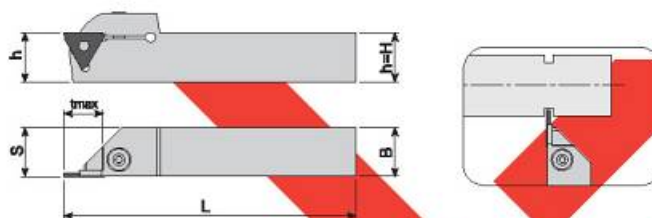
ADKT-TD-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-TD-R/L-1212-2-T15	12	12	100	16.3	15	
ADKT-TD-R/L-1616-2-T15	16	16	125	16.3	15	
ADKT-TD-R/L-2020-2-T15	20	20	125	20.3	15	
ADKT-TD-R/L-2525-2-T17	25	25	150	25.3	17	
ADKT-TD-R/L-1212-3-T15	12	12	100	16.3	15	
ADKT-TD-R/L-1616-3-T15	16	16	125	16.4	15	
ADKT-TD-R/L-2020-3-T20	20	20	125	20.4	20	
ADKT-TD-R/L-2525-3-T9	25	25	150	25.4	9	



ADKT-TD-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-TD-R/L-2525-3-T22	25	25	150	25.4	22	
ADKT-TD-R/L-2525-4-T22	25	25	150	25.5	22	

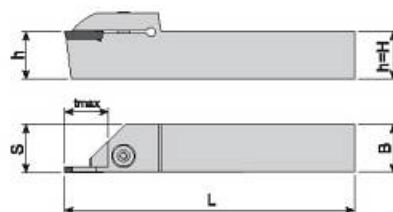
ADKT-H22-R/L

ADKT-H22-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-H22-R/L-1616-(0.5-2)-T6	16	16	125	16.2	6	
ADKT-H22-R/L-2020-(0.5-2)-T6	20	20	125	20.2	6	
ADKT-H22-R/L-2525-(0.5-2)-T6	25	25	150	25.2	6	



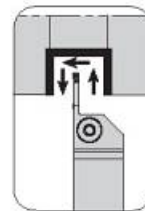
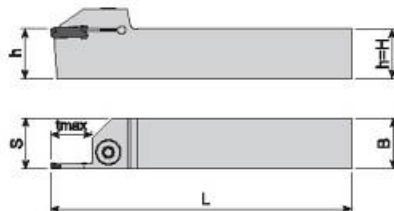
ADKT-WGX24-R/L

ADKT-WGX24-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-WGX24-R/L-2525-4-T22	25	25	150	25.4	22	
ADKT-WGX24-R/L-2525-5-T25	25	25	150	25.5	25	



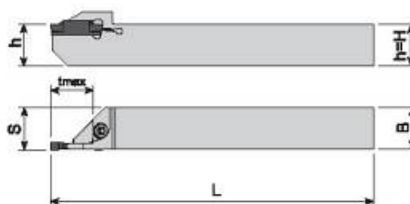
ADKT-GP-R/L

ADKT-GP-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-GP-R/L-2525-4-T22	25	25	150	25.6	22	
ADKT-GP-R/L-2525-5-T25	25	25	150	25.6	25	



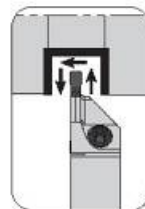
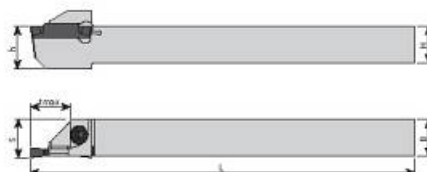
ADKT-TD-R/L

ADKT-TD-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-TD-R/L-1212-2-T12-K-S	12	12	125	12.2	12	
ADKT-TD-R/L-1616-2-T16-K-S	16	16	125	16.2	16	
ADKT-TD-R/L-1212-3-T12-K-S	12	12	125	12.3	12	
ADKT-TD-R/L-1616-3-T16-K-S	16	16	125	16.3	16	

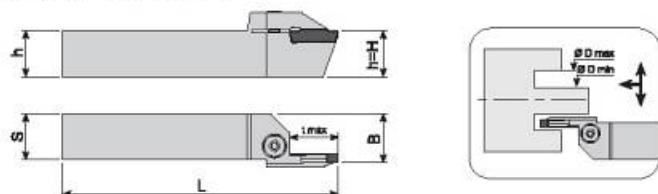


ADKT-KG-R/L

ADKT-KG-R/L	h=H	B	L	S	t _{max}	цена лв.
ADKT-KG-R/L-1212-2-R12-K-S	12	12	125	12.2	12	
ADKT-KG-R/L-1212-3-R12-K-S	12	12	125	12.4	12	

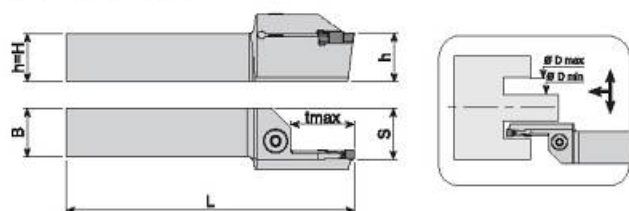


AAKT-K-R/L



AAKT-K-R/L	h=H	B	L	S	t _{max}	ØD _{min}	ØD _{max}	цена лв.
AAKT-K-R/L-2525-34-45-3-T17	25	25	150	26.5	17	34	45	
AAKT-K-R/L-2525-39-55-3-T17	25	25	150	26.5	17	39	55	
AAKT-K-R/L-2525-49-80-3-T17	25	25	150	26.5	17	49	80	
AAKT-K-R/L-2525-70-110-3-T17	25	25	150	26.5	17	70	110	
AAKT-K-R/L-2525-100-150-3-T17	25	25	150	26.5	17	100	150	
AAKT-K-R/L-2525-80-180-3-T32	25	25	150	26.5	32	80	180	
AAKT-K-R/L-2525-50-85-4-T22	25	25	150	26.5	22	50	85	
AAKT-K-R/L-2525-70-110-4-T22	25	25	150	26.5	22	70	110	
AAKT-K-R/L-2525-100-150-4-T22	25	25	150	26.5	22	100	150	
AAKT-K-R/L-2525-80-180-4-T32	25	25	150	26.5	32	80	180	
AAKT-K-R/L-2525-180-800-4-T32	25	25	150	26.5	32	180	800	
AAKT-K-R/L-2525-70-110-5-T25	25	25	150	26.5	25	70	110	
AAKT-K-R/L-2525-100-150-5-T25	25	25	150	26.5	25	100	150	
AAKT-K-R/L-2525-80-180-5-T32	25	25	150	26.5	32	80	180	
AAKT-K-R/L-2525-140-200-5-T25	25	25	150	26.5	25	140	200	
AAKT-K-R/L-2525-180-800-5-T32	25	25	150	26.5	32	180	800	
AAKT-K-R/L-2525-140-300-6-T35	25	25	150	26.5	35	140	300	
AAKT-K-R/L-2525-140-300-8-T35	25	25	150	26.5	35	140	300	
AAKT-K-R/L-3232-140-350-8-T35	32	32	150	32.5	35	140	350	

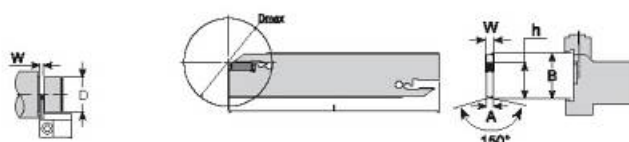
AAKT-IG-R/L



AAKT-IG-R/L	h=H	B	L	S	t _{max}	ØD _{min}	ØD _{max}	цена лв.
AAKT-IG-R/L-2525-40-60-4-T25	25	25	150	26.5	25	40	60	
AAKT-IG-R/L-2525-52-80-4-T25	25	25	150	26.5	25	52	80	
AAKT-IG-R/L-2525-70-110-4-T28	25	25	150	26.5	28	70	110	
AAKT-IG-R/L-2525-110-200-4-T28	25	25	150	26.5	28	110	200	
AAKT-IG-R/L-2525-110-200-4-T32	25	25	150	26.5	32	110	200	
AAKT-IG-R/L-2525-180-800-4-T28	25	25	150	26.5	28	180	800	
AAKT-IG-R/L-2525-70-110-5-T32	25	25	150	26.5	32	70	110	
AAKT-IG-R/L-2525-110-200-5-T32	25	25	150	26.5	32	110	200	
AAKT-IG-R/L-2525-180-800-5-T32	25	25	150	26.5	32	180	800	
AAKT-IG-R/L-2525-58-100-6-T32	25	25	150	26.5	32	58	100	
AAKT-IG-R/L-2525-88-180-6-T32	25	25	150	26.5	32	88	180	

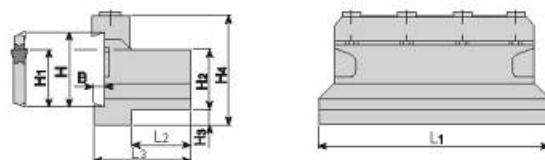
AKL-I

AKL-I	B	W	A	l	h	D _{max}	цена лв.
AKL-I-26-2	26	1.9-2.5	1.6	110	21.4	39	
AKL-I-32-2	32	1.9-2.5	1.8	150	24.8	39	
AKL-I-26-3	26	3-3.18	2.4	110	21.4	39	
AKL-I-32-3	32	3-3.18	2.4	150	24.8	39	
AKL-I-26-4	26	4	3.2	110	21.4	80	
AKL-I-32-4	32	4	3.2	150	24.8	100	



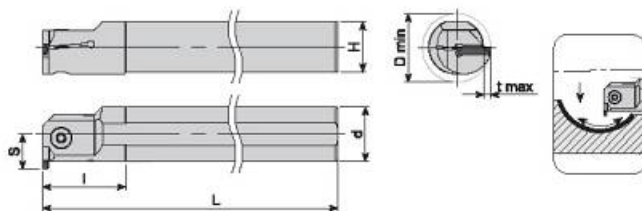
ALBU

ALBU	H	H ₁	H ₂	H ₃	H ₄	B	L ₁	L ₂	L ₃	цена лв.
ALBU-20-26	26	21.4	20	8	38	4	87	19	33	
ALBU-25-26	26	21.4	25	3	38	4	110	20	34	
ALBU-20-32	32	24.8	20	13	48	5.5	100	19	35	
ALBU-25-32	32	24.8	25	8	48	5.5	110	20	36	
ALBU-32-32	32	24.8	32	3	48	5.5	120	28	44	



AIKT-K-R/L

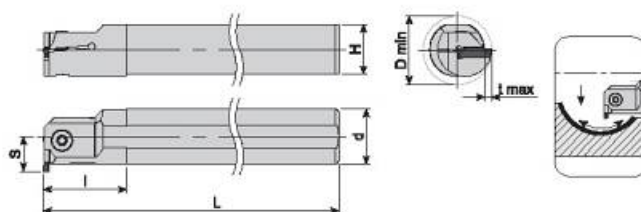
AIKT-K-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-K-R/L-16-2-T4	16	21	150	28	4	14.8	12	
AIKT-K-R/L-20-2-T4	20	25	170	33	4	18.3	14	
AIKT-K-R/L-25-2-T6	25	32	200	40	6	23	18.5	
AIKT-K-R/L-20-3-T6	20	27	170	33	6	18.3	16	
AIKT-K-R/L-20-3-T7	20	25	170	38	7	18.3	13	
AIKT-K-R/L-25-3-T6	25	32	200	40	6	23	18.5	
AIKT-K-R/L-25-3-T10	25	32	200	48	10	23	17	
AIKT-K-R/L-32-3-T6	32	39	250	50	6	30	22	
AIKT-K-R/L-32-3-T12	32	39	250	53	12	30	22	
AIKT-K-R/L-40-3-T6	40	47	300	55	6	37.5	26	
AIKT-K-R/L-40-3-T12	40	48	300	63	12	37.5	27	
AIKT-K-R/L-20-4-T6	20	27	170	34	6	18.3	16	
AIKT-K-R/L-20-4-T7	20	25	170	34	7	18.3	13	



AIKT-K-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-K-R/L-25-4-T6	25	32	200	40	6	23	18.5	
AIKT-K-R/L-25-4-T10	25	32	200	48	10	23	17	
AIKT-K-R/L-32-4-T6	32	39	250	50	6	30	22	
AIKT-K-R/L-32-4-T12	32	39	250	53	12	30	22	
AIKT-K-R/L-40-4-T6	40	47	300	55	6	37.5	27	
AIKT-K-R/L-40-4-T12	40	48	300	63	12	37.5	27	
AIKT-K-R/L-25-5-T7	25	33	200	40	7	23	18.5	
AIKT-K-R/L-32-5-T7	32	40	250	50	7	30	23	
AIKT-K-R/L-40-5-T7	40	48	300	55	7	37.5	27	

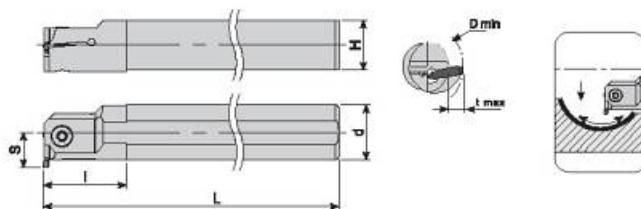
AIKT-KG-R/L

AIKT-KG-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-KG-R/L-25-2-T7	25	37	200	40	7	23	19.5	
AIKT-KG-R/L-25-3-T7	25	33	200	40	7	23	19.5	
AIKT-KG-R/L-25-4-T8	25	34	200	40	8	23	20.5	



AIKT-H-R/L

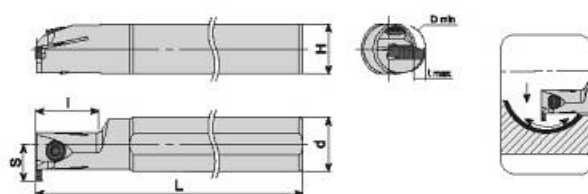
AIKT-H-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-H-R/L-25-3-T7	25	33	200	40	7	23	19.5	
AIKT-H-R/L-32-3-T7	32	40	250	50	7	30	23	
AIKT-H-R/L-40-3-T7	40	48	300	55	7	37.5	27	
AIKT-H-R/L-25-4-T7	25	33	200	40	7	23	19.5	
AIKT-H-R/L-32-4-T7	32	40	250	50	7	30	23	
AIKT-H-R/L-40-4-T7	40	48	300	55	7	37.5	27	



AIKT-H-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-H-R/L-25-5-T7	25	33	200	40	7	23	19.5	
AIKT-H-R/L-32-5-T7	32	40	250	50	7	30	23	
AIKT-H-R/L-40-5-T7	40	48	300	55	7	37.5	27	

AIKT-GP-R/L

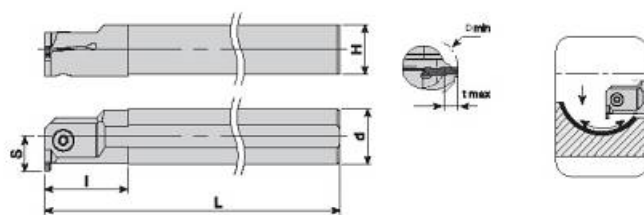
AIKT-GP-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-GP-R/L-20-2-T4	20	25	170	30	4	18.3	14.5	
AIKT-GP-R/L-20-3-T6	20	27	170	30	6	18.3	16	
AIKT-GP-R/L-25-3-T6	25	32	200	40	6	23	18.5	
AIKT-GP-R/L-32-3-T6	32	39	250	50	6	30	22	
AIKT-GP-R/L-20-4-T6	20	27	170	30	6	18.3	16	



AIKT-GP-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-GP-R/L-25-4-T6	25	32	200	40	6	23	18.5	
AIKT-GP-R/L-32-4-T6	32	39	250	50	6	30	22	

AIKT-HK-R/L

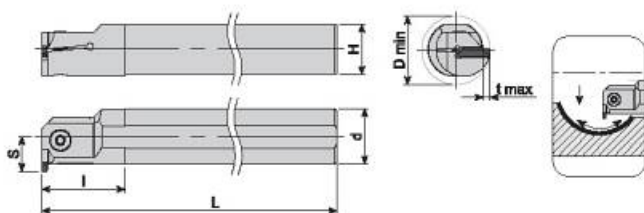
AIKT-HK-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-HK-R/L-20-2-T6	20	26	170	33	6	18.3	16	
AIKT-HK-R/L-25-2-T6	25	32	200	40	6	23	18.5	
AIKT-HK-R/L-20-3-T6	20	27	170	33	6	18.3	16	
AIKT-HK-R/L-25-3-T6	25	32	200	40	6	23	18.5	
AIKT-HK-R/L-32-3-T6	32	39	250	50	6	30	22	
AIKT-HK-R/L-20-4-T6	20	27	170	33	6	18.3	16	
AIKT-HK-R/L-25-4-T6	25	32	200	40	6	23	18.5	
AIKT-HK-R/L-32-4-T6	32	39	250	50	6	30	22	



AIKT-HK-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-HS223-R/L-20-2-T5	20	26	170	33	5	18.3	15	
AIKT-HS223-R/L-25-2-T5	25	31	200	40	5	23	17.5	
AIKT-HS223-R/L-20-3-T6	20	27	170	33	6	18.3	16	
AIKT-HS223-R/L-25-3-T6	25	32	200	40	6	23	18.5	

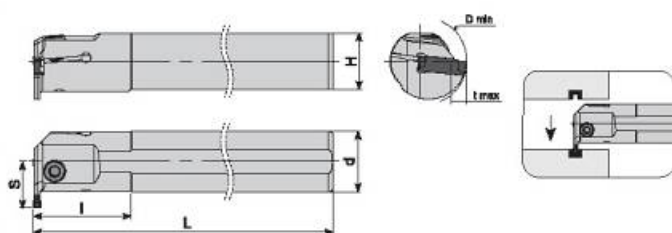
AIKT-KM-R/L

AIKT-KM-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-KM-R/L-20-2-T7	20	25	170	40	7	18.3	13	
AIKT-KM-R/L-20-3-T7	20	25	170	40	7	18.3	13	
AIKT-KM-R/L-25-3-T10	25	32	200	50	10	23	17	
AIKT-KM-R/L-32-3-T12	32	40	250	64	12	30	22	
AIKT-KM-R/L-40-3-T12	40	48	300	80	12	37.5	27	
AIKT-KM-R/L-20-4-T7	20	25	170	40	7	18.3	13	



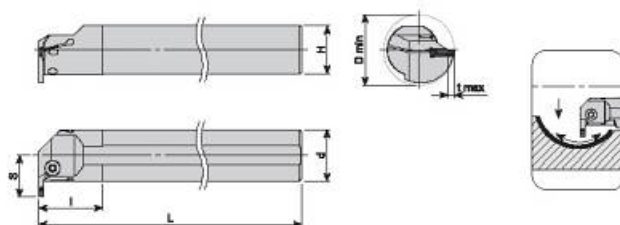
AIKT-I-R/L

AIKT-I-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-I-R/L-20-3-T5	20	26	170	25	5	18.3	15.5	
AIKT-I-R/L-25-3-T6	25	32	200	40	6	23	19	



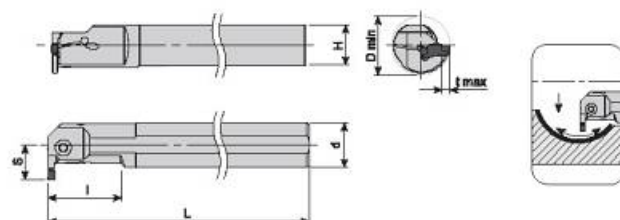
AIKT-IG-R/L

AIKT-IG-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-IG-R/L-25-4-T10-H	25	31	200	40	10	23	22.7	
AIKT-IG-R/L-32-4-T10-H	32	37	250	45	10	30	26.2	
AIKT-IG-R/L-40-4-T12-H	40	45	300	50	12	37.5	32.2	
AIKT-IG-R/L-25-5-T10-H	25	31	200	40	10	23	22.7	
AIKT-IG-R/L-32-5-T10-H	32	37	250	45	10	30	26.2	
AIKT-IG-R/L-40-5-T12-H	40	45	300	50	12	37.5	32.2	
AIKT-IG-R/L-50-5-T12-H	50	60	350	60	12	47	37.2	



AIKT-ITG-R/L

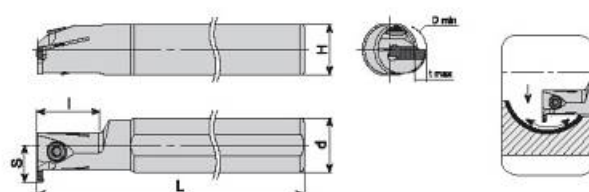
AIKT-ITG-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-ITG-R/L-16-3-T6-H	16	20	150	35	6	14.8	12	
AIKT-ITG-R/L-20-3-T6-H	20	25	170	40	6	18.3	14.2	
AIKT-ITG-R/L-25-3-T8-H	25	31	200	50	8	23	18.8	
AIKT-ITG-R/L-32-3-T8-H	32	37	250	60	8	30	22	
AIKT-ITG-R/L-20-4-T6-H	20	25	170	40	6	18.3	14.2	
AIKT-ITG-R/L-25-4-T7-H	25	31	200	50	7	23	17.5	
AIKT-ITG-R/L-25-4-T9-H	25	32.5	200	50	9	23	19.5	



AIKT-ITG-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-ITG-R/L-32-4-T11-H	32	37	250	60	11	30	25.5	
AIKT-ITG-R/L-40-4-T11-H	40	45	300	50	11	37.5	32	

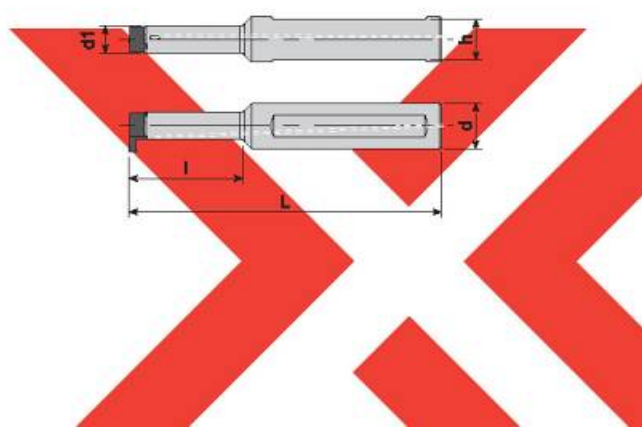
AIKT-IGI-R/L

AIKT-IGI-R/L	d	D	L	l	t _{max}	H	S	цена лв.
AIKT-IGI-R/L-20-3-T4	20	25	170	35	4	18.3	14.5	
AIKT-IGI-R/L-25-3-T5	25	30	200	45	5	23	17	
AIKT-IGI-R/L-32-3-T5	32	40	250	50	5	30	21	



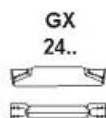
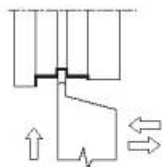
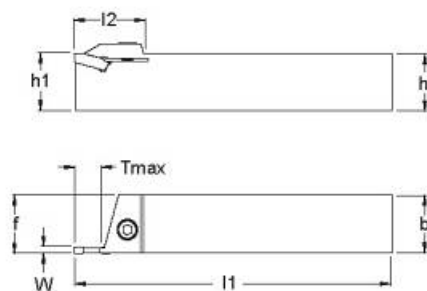
AIKT-MB

AIKT-MB	d	d ₁	L	l	h	цена лв.
AIKT-MB07-A16-090-15	16	7.4	90	15	14	
AIKT-MB07-A16-090-22	16	7.4	90	22	14	
AIKT-MB09-A16-090-19	16	9.5	90	19	14	
AIKT-MB09-A16-095-28	16	9.5	95	28	14	
AIKT-MB09-A16-110-40	16	9.5	110	40	14	

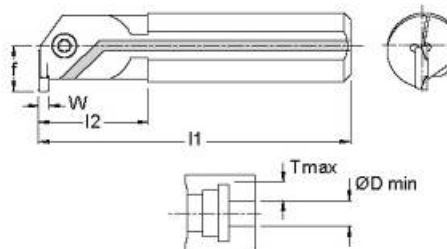
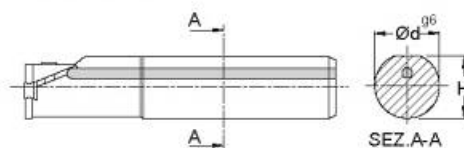


TMSDR/L, TMSIR/L

TMSDR/L $\varnothing 25 \times 25$

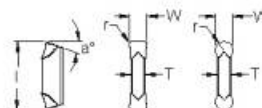


TMSIR/L $\varnothing 32 - \varnothing 40$



Код	W mm	h=h1 mm	b mm	f mm	Tmax mm	l1 mm	l2 mm		Цена лв.
TMSDR/L 2525-24.2	3-3.5	25	25	25.5	22	143	43	GX24.2	
TMSDR/L 2525-24.3	4-5	25	25	25.5	22	143	43	GX24.3	
TMSDR/L 2525-24.4	6	25	25	26	22	143	43	GX24.4	

Код	W mm	Ød mm	Ødmin mm	f mm	H mm	Tmax mm	l1 mm	l2 mm		Цена лв.
TMSIR/L 32-24-2	3	32	42	27.5	31.0	11.0	250	50	GX24.2	
TMSIR/L 32-24-3	4-5	32	42	27.5	31.0	11.0	250	50	GX24.3	
TMSIR/L 32-24-4	6	32	47	30.4	31.0	17.5	250	50	GX24.4	
TMSIR/L 40-24-3	4-5	40	53	32.5	38.5	12.0	300	60	GX24.3	
TMSIR/L 40-24-4	6	40	57	34.4	38.5	17.5	300	60	GX24.4	



КОД		P			M			K			N			S			H			Cermet		Coated grades									Цена ЛВ.	
		F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	T115	T120		T527	T537	T541		T540D	W	r	l		T
GX24-2E3.00N-0.30 .Z33		●			●									○										■			3.0	0.3	24	2.10	6°	
GX24-2E3.50N-0.30 .Z33		●			●									○										■			3.5	0.3	24	2.10	6°	
GX24-3E4.50N-0.40 .Z33		●			●									○										■			4.5	0.4	24	3.05	6°	
GX24-2E3.00N-0.30 .Z42		●	○		○	○		●	○					○	○		○	○					■				3.0	0.3	24	2.10	6°	
GX24-3E4.00N-0.40 .Z42		●	○		○	○		●	○					○	○		○	○					■				4.0	0.4	24	3.05	6°	
GX24-3E5.00N-0.40 .Z42		●	○		○	○		●	○					○	○		○	○					■				5.0	0.4	24	3.05	6°	
GX24-4E6.00N-0.50 .Z42		●	○		○	○		●	○					○	○		○	○					■				6.0	0.5	24	4.30	6°	
GX24-2R1.5N .Z62			●	○		○	○		●	○					○	○		○	○				□				3.0	1.5	24	2.10	6°	
GX24-3R2.0N .Z62			●	○		○	○		●	○					○	○		○	○				□				4.0	2.0	24	3.05	6°	
GX24-3R2.5N .Z62			●	○		○	○		●	○					○	○		○	○				□		■		5.0	2.5	24	3.05	6°	
GX24-4R3.0N .Z62			●	○		○	○		●	○					○	○		○	○				□				6.0	3.0	24	4.3	6°	
GX24-2E3.00N-0.30 .Z47P								●	●	○	●	●	○							■							3.0	0.3	24	2.10	6°	
GX24-3E4.00N-0.40 .Z47P								●	●	○	●	●	○							■							4.0	0.4	24	3.05	6°	
GX24-3E5.00N-0.40 .Z47P								●	●	○	●	●	○							■							5.0	0.4	24	3.05	6°	
GX24-4E6.00N-0.50 .Z47P								●	●	○	●	●	○							■							6.0	0.5	24	4.3	6°	
GX24-4R3.0N .Z47P								●	●	○	●	●	○	●	●	○					□						6.0	0.5	24	4.3	6°	

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○ - Възможна прилагане

F - FINISHING, LIGHT MACHINING

M - MEDIUM MACHINING, GENERIC

R - ROUGHING, HEAVY MACHINING

P - NOT ALLOY STEEL, ALLOY STEEL

M - STAINLESS STEEL AUST

K - CAST IRON

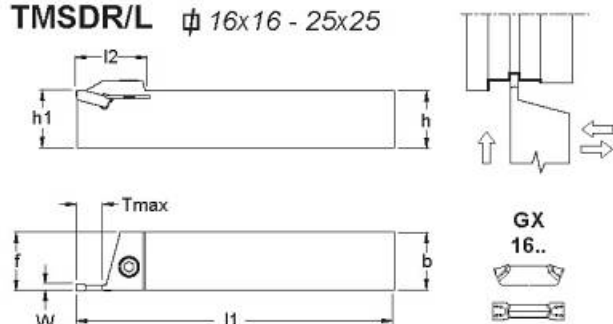
N - ALUMINIUM, COPPER, PLASTICS

S - HIGH TEMP. ALLOY, TITANIUM

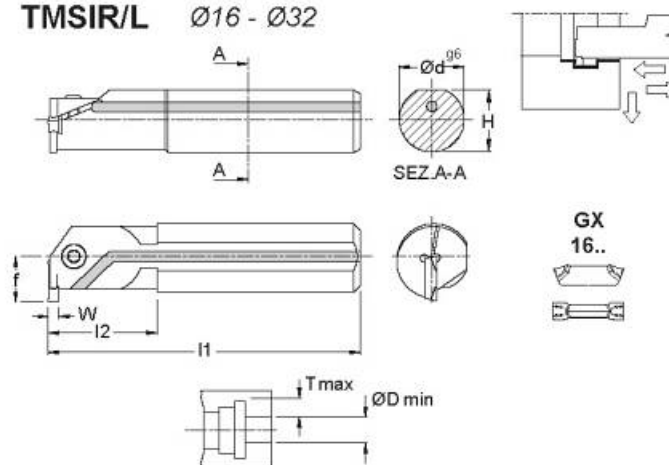
H - HARDENED STEEL

TMSDR/L, TMSIR/L

TMSDR/L ϕ 16x16 - 25x25

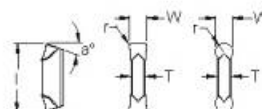


TMSIR/L ϕ 16 - ϕ 32



Код	W mm	h=h1 mm	b mm	f mm	Tmax mm	l1 mm	l2 mm		Цена лв.
TMSDR/L 1616-16.2	3-3.5	16	16	16.5	13	110	26	GX16.2	
TMSDR/L 1616-16.3	4-5	16	16	16.5	13	110	26	GX16.3	
TMSDR/L 2020-16.2	3-3.5	20	20	20.5	13	122	29	GX16.2	
TMSDR/L 2020-16.3	4-5	20	20	20.5	13	122	29	GX16.3	
TMSDR/L 2525-16.2	3-3.5	25	25	25.5	13	138	30	GX16.2	
TMSDR/L 2525-16.3	4-5	25	25	25.5	13	138	30	GX16.3	

Код	W mm	Ød mm	Ødmin mm	f mm	H mm	Tmax mm	l1 mm	l2 mm		Цена лв.
TMSIR/L 16-16-1	2-2.5	16	20.5	13.5	15.25	5.5	150	28	GX16.1	
TMSIR/L 16-16-2	3-3.5	16	20.5	13.5	15.25	5.5	150	28	GX16.2	
TMSIR/L 20-16-2	3-3.5	20	25	15.5	19.00	5.5	180	35	GX16.2	
TMSIR/L 25-16-2	3-3.5	25	32	20.5	24.00	8.0	200	40	GX16.2	
TMSIR/L 25-16-3	4-5	25	32	22.5	24.00	10.0	200	40	GX16.3	
TMSIR/L 32-16-2	3-3.5	32	42	27.5	31.00	11.0	250	50	GX16.2	
TMSIR/L 32-16-3	4-5	32	42	27.5	31.00	11.0	250	50	GX16.3	



КОД		P			M			K			N			S			H			Cermet		Coated grades									цена лв.
		F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	T115		T527	T541	T530		W	r	l	T	α°	
GX16-1E2.00N-0.20 .Z32		●			○			●						○			○					■		■		2.0	0.2	16	1.40	6°	
GX16-1E2.50N-0.20 .Z32		●			○			●						○			○					■		■		2.5	0.2	16	1.40	6°	
GX16-2E3.00N-0.30 .Z32		●			○			●						○			○					■		■		3.0	0.3	16	2.10	6°	
GX16-2E3.50N-0.30 .Z32		●			○			●						○			○					■		■		3.5	0.3	16	2.10	6°	
GX16-3E4.00N-0.40 .Z32		●			○			●						○			○					■		■		4.0	0.4	16	3.05	6°	
GX16-3E4.50N-0.40 .Z32		●			○			●						○			○					■				4.5	0.4	16	3.05	6°	
GX16-3E5.00N-0.40 .Z32		●			○			●						○			○					■		■		5.0	0.4	16	3.05	6°	
GX16-2R1.50N .Z42		●	○		●	○		●	○					○	○		○					■		■		3.0	1.5	16	2.10	6°	
GX16-3R2.00N .Z42		●	○		●	○		●	○					○	○		○	○				■		■		4.0	2.0	16	3.05	6°	
GX16-3R2.50N .Z42		●	○		●	○		●	○					○	○		○	○				■		■		5.0	2.5	16	3.05	6°	
GX16-2E3.00N-0.30 .Z52		○	●		○	●								○	○							■				3.0	0.3	16	2.10	6°	
GX16-3E4.00N-0.40 .Z52		○	●		○	●								○	○							■				4.0	0.4	16	3.05	6°	
GX16-3E5.00N-0.40 .Z52		○	●		○	●								○	○							■				5.0	0.4	16	3.05	6°	
GX16-2E3.00N-0.30 .Z47P								●	●	○	●	●	○							■						3.0	0.3	16	2.10	6°	
GX16-3E4.00N-0.40 .Z47P								●	●	○	●	●	○							■						4.0	0.4	16	3.05	6°	
GX16-2R1.5N .Z47P								●	●	○	●	●	○							□						3.0	1.5	16	2.10	6°	
GX16-3R2.0N .Z47P								●	●	○	●	●	○							□						4.0	2.0	16	3.05	6°	
GX16-3R2.5N .Z47P								●	●	○	●	●	○							□						5.0	2.5	16	3.05	6°	

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K - CAST IRON

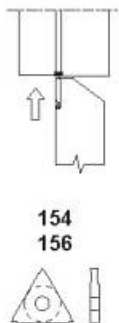
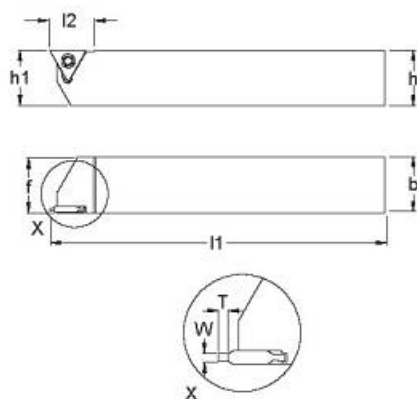
N - ALUMINIUM, COPPER, PLASTICS

S - HIGH TEMP. ALLOY, TITANIUM

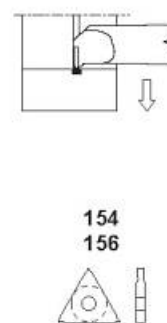
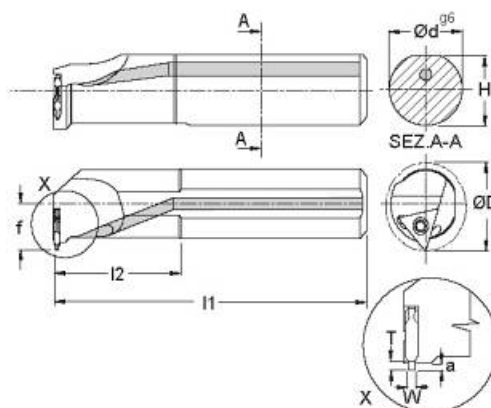
H - HARDENED STEEL

STGR/L, A..STIR/L

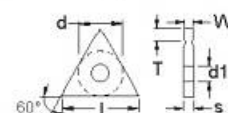
STGR/L $\varnothing 20 \times 20 - 25 \times 25$



A..STIR/L $\varnothing 16 - \varnothing 32$



Код	h=h1 mm	b mm	Ød mm	Ødmin mm	f mm	H mm	Tmax* mm	a mm	l1 mm	l2 mm		Цена лв.
STGR/L 2020 K 16-3	20	20	-	-	20	-	-	-	125	20	1.1÷4.15	
STGR/L 2525 M 16-3	25	25	-	-	25	-	-	-	150	20		
A16M STIR/L 16-3	-	-	16	20	11	15.25	-	2	150	35	1.1÷4.15	
A20Q STIR/L 16-3	-	-	20	25	13	19.00	-	2	180	40		
A25R STIR/L 16-3	-	-	25	32	17	24.00	-	3	200	50		
A32S STIR/L 16-3	-	-	32	40	22	31.00	-	3	250	55		



Код	P			M			K			N			S			H			Ce- mented		Coated grades										Цена лв.		
	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	N3440		F4340						W	s	l	d		T	d1
154.15-16110	●	●	●	●	●	●	●	●	●	●	●	●							■		■						1.25	2.5	16	9.52	1.2	4.5	
154.15-16130	●	●	●	●	●	●	●	●	●	●	●	●							■		■						1.45	2.5	16	9.52	1.5	4.5	
154.15-16160	●	●	●	●	●	●	●	●	●	●	●	●							■		■						1.80	2.5	16	9.52	1.8	4.5	
154.15-16185	●	●	●	●	●	●	●	●	●	●	●	●							■		■						2.00	2.5	16	9.52	3	4.5	
154.15-16215	●	●	●	●	●	●	●	●	●	●	●	●							■		■						2.30	2.8	16	9.52	3	4.5	
154.15-16265	●	●	●	●	●	●	●	●	●	●	●	●							■		■						2.80	3.3	16	9.52	3	4.5	
154.15-16315	●	●	●	●	●	●	●	●	●	●	●	●							■		■						3.35	3.8	16	9.52	3	4.5	

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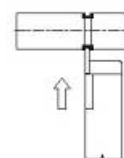
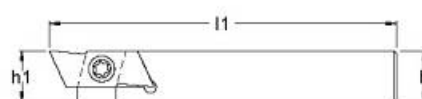
H - HARDENED STEEL

ножове стругарски със сменяеми твърдосплавни пластини

THE..-THS..

Код	h=h1 mm	b mm	l1 mm	W	Цена лв.
THE - 7 - 0808 R / L	08	08	100	0.5-3.0	
THE - 7 - 1010 R / L	10	10	120		
THE - 7 - 1212 R / L	12	12	120		
THE - 7 - 1616 R / L	16	16	125		
THE - 7 - 2020 R / L	20	20	125		
THE - 7 - 2525 R / L	25	25	125		
THS - 7 - 0808 R / L	08	08	140	0.5-3.0	
THS - 7 - 1010 R / L	10	10	150		

THE..-THS.. ϕ 8x8 - 25x25



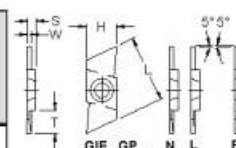
GIE-7..



КОД	P	M	K	N	S	H	Ce- mented		Coated grades											Цена лв.
									CPAV				W	β	R	T	H	S	L	
GIE - 7 - GP - 1.0 R - N	●	●							■				1.0	-	-	6.0	7	2	17	
GIE - 7 - GP - 1.0 L - N	●	●							■				1.0	-	-	6.0	7	2	17	
GIE - 7 - GP - 1.5 R - N	●	●							■				1.5	-	-	6.0	7	2	17	
GIE - 7 - GP - 1.5 R - R	●	●							■				1.5	-	-	6.0	7	2	17	
GIE - 7 - GP - 1.5 L - N	●	●							■				1.5	-	-	6.0	7	2	17	
GIE - 7 - GP - 1.5 L - R	●	●							■				1.5	-	-	6.0	7	2	17	
GIE - 7 - GP - 1.5 L - L	●	●							■				1.5	-	-	6.0	7	2	17	
GIE - 7 - GP - 2.0 R - N	●	●							■				2.0	-	-	6.0	7	2	17	
GIE - 7 - GP - 2.0 R - R	●	●							■				2.0	-	-	6.0	7	2	17	
GIE - 7 - GP - 2.0 L - N	●	●							■				2.0	-	-	6.0	7	2	17	
GIE - 7 - ST - 3.0 R	●	●							□				3.17	-	-	-	7	3.17	17	
GIE - 7 - ST - 3.0 L	●	●							□				3.17	-	-	-	7	3.17	17	
GIE - 7 - SG - 0.5 R	●	●							■				0.50	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.5 L	●	●							■				0.50	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.7 R	●	●							■				0.70	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.7 L	●	●							■				0.70	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.8 R	●	●							■				0.80	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.8 L	●	●							□				0.80	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.9 R	●	●							■				0.90	-	-	2.54	7	2	17	
GIE - 7 - SG - 0.9 L	●	●							■				0.90	-	-	2.54	7	2	17	
GIE - 7 - SG - 1.1 R	●	●							■				1.10	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.1 L	●	●							□				1.10	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.3 R	●	●							■				1.30	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.3 L	●	●							■				1.30	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.6 R	●	●							■				1.60	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.6 L	●	●							■				1.60	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.85 R	●	●							■				1.85	-	-	6.00	7	2	17	
GIE - 7 - SG - 1.85 L	●	●							□				1.85	-	-	6.00	7	2	17	
GIE - 7 - GR - 1.0 R	●	●							■				1.0	-	0.50	6	7	2	17	
GIE - 7 - GR - 1.0 L	●	●							□				1.0	-	0.50	6	7	2	17	
GIE - 7 - GR - 1.5 R	●	●							■				1.5	-	0.75	6	7	2	17	
GIE - 7 - GR - 1.5 L	●	●							■				1.5	-	0.75	6	7	2	17	
GIE - 7 - GR - 2.0 R	●	●							■				2.0	-	1.00	6	7	2	17	
GIE - 7 - GR - 2.0 L	●	●							■				2.0	-	1.00	6	7	2	17	
GIE - 7 - GW - 60 R	●	●							■				-	60°	0.10	-	7	2	17	
GIE - 7 - GW - 60 L	●	●							■				-	60°	0.10	-	7	2	17	
GIE - 7 - GW - 55 R	●	●							■				-	55°	0.12	-	7	2	17	
GIE - 7 - GW - 55 L	●	●							□				-	55°	0.12	-	7	2	17	

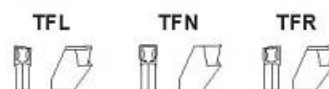
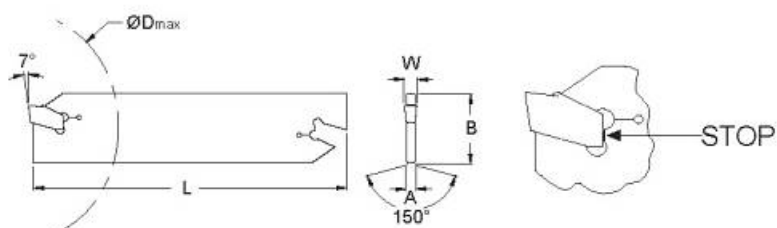
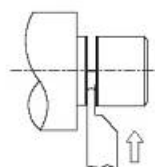
- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

P - NOT ALLOY STEEL, ALLOY STEEL
M - STAINLESS STEEL AUST
K - CAST IRON
N - ALUMINIUM, COPPER, PLASTICS
S - HIGH TEMP. ALLOY, TITANIUM
H - HARDENED STEEL



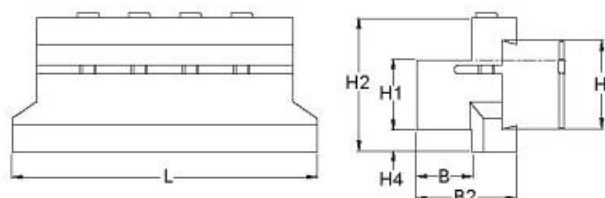
TCFN

26 - 32

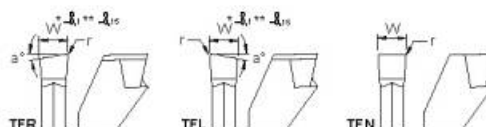


Код	W mm	B mm	A mm	ØDmax mm	L mm	H3 mm		Цена лв.
TCFN 26-31	3.1	26	2.4	70	110	25.0	31	
TCFN 26-41	4.1	26	3.2	80	110	25.0	41	
TCFN 32-31	3.1	32	2.4	100	150	25.0	31	
TCFN 32-41	4.1	32	3.2	100	150	25.0	41	
TCFN 32-51	5.1	32	4.0	110	150	25.0	51	
TCFN 32-65	6.5	32	5.2	110	150	25.0	65	

LGTBN



Код	H1 mm	H mm	L mm	B mm	B2 mm	H2 mm	H4 mm		Цена лв.
LGTBN 20-5	20	26	87	19	33	38	8	LGIH 26 - .. TCFN 26 - ..	
LGTBN 25-6	25	32	110	20	36	48	8	LGIH 32 - ..	
LGTBN 32-6	32	32	120	28	44	48	3	TCFN 32 - ..	



КОД	P			M			K			N			S			H			Ce- mented			Coated grades						Цена лв.
	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R	F	M	R				T527	T537	T540D	W	r	α°	
TFL 31 .Z52		●			○																		□			3.1	–	6°
TFL 41 .Z52		●			○																		□			4.1	–	6°
TFN 41 .Z52		●			○			●						○			○						■	■		4.1	–	0°
TFN 51 .Z52		●			○																		■	■		5.1	–	0°
TFN 65 .Z52		●			○			●						○			○						■	■		6.5	–	0°
TFR 31 .Z52		●			○			●						○			○						■		■	3.1	–	6°
TFR 41 .Z52		●			○			●						○			○						■		■	4.1	–	6°

■ - В наличност
 □ - По заявка
 ● - Препоръчително приложение
 ○ - Възможно приложение

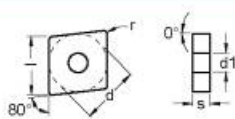
F - FINISHING, LIGHT MACHINING
 M - MEDIUM MACHINING, GENERIC
 R - ROUGHING, HEAVY MACHINING

P - NOT ALLOY STEEL, ALLOY STEEL
 M - STAINLESS STEEL AUST
 K - CAST IRON

N - ALUMINIUM, COPPER, PLASTICS
 S - HIGH TEMP ALLOY, TITANIUM
 H - HARDENED STEEL

ТВЪРДОСПЛАВНИ ПЛАСТИНИ

CNGP
CNMA
CNMG
CNMM



■ - В наличност

● - Препоръчително приложение

□ - По заявка

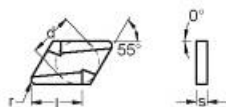
○ - Възможно приложение

Материал							Cermet			Cemented			Coated grades							Цена лв.			
Steel							○							○		●	●	○			●		
Stainless steel							●							●	●		○		○			○	○
Cast iron							○							○			○	○	●				
Aluminium alloys														○									
Heat resistant alloys														○		●							●
	код	l	d	s	d1	r	C4010						F2120	F2425	F8410	T1415	T1425	T3220		T1435	F8315		
	CNGP 120402 .G23	12.9	12.7	4.76	5.16	0.2							□										
	CNGP 120404 .G23	12.9	12.7	4.76	5.16	0.4							□										
	CNGP 120408 .G23	12.9	12.7	4.76	5.16	0.8							□										
	CNMA 120408 .G61	12.9	12.7	4.76	5.16	0.8												■					
	CNMA 120412 .G61	12.9	12.7	4.76	5.16	1.2												■					
	CNMA 120416 .G61	12.9	12.7	4.76	5.16	1.6												■					
	CNMG 120404 .G39	12.9	12.7	4.76	5.16	0.4	■																
	CNMG 120408 .G39	12.9	12.7	4.76	5.16	0.8	■																
	CNMG 120404 .G52	12.9	12.7	4.76	5.16	0.4										■	■						
	CNMG 120408 .G52	12.9	12.7	4.76	5.16	0.8										■	■	■		■			
	CNMG 120412 .G52	12.9	12.7	4.76	5.16	1.2										■	■	■		■			
	CNMG 120404 .G53	12.9	12.7	4.76	5.16	0.4							■										
	CNMG 120408 .G53	12.9	12.7	4.76	5.16	0.8							■										
	CNMG 120404 .G55	12.9	12.7	4.76	5.16	0.4									■						■		
	CNMG 120408 .G55	12.9	12.7	4.76	5.16	0.8									■						■		
	CNMG 120408 .G56	12.9	12.7	4.76	5.16	0.8										■	■						
	CNMG 120412 .G56	12.9	12.7	4.76	5.16	1.2										■	■						
	CNMG 120408 .G62	12.9	12.7	4.76	5.16	0.8										■	■	■					
	CNMG 120412 .G62	12.9	12.7	4.76	5.16	1.2										■	■	■					
	CNMG 160608 .G62	16.1	15.87	6.35	6.35	0.8												■		■			
	CNMG 160612 .G62	16.1	15.87	6.35	6.35	1.2										■	■	■		■			
	CNMG 160616 .G62	16.1	15.87	6.35	6.35	1.6											■	■					
	CNMG 190612 .G62	19.3	19.05	6.35	7.94	1.2											■	■		■			
	CNMG 120408 .G63	12.9	12.7	4.76	5.16	0.8							■										
	CNMG 120412 .G63	12.9	12.7	4.76	5.16	1.2							■										
	CNMM 190612 .G72	19.3	19.05	6.35	7.94	1.2											■						
	CNMM 190616 .G72	19.3	19.05	6.35	7.94	1.6											■						
	CNMM 250724 .G72	25.8	25.40	9.52	9.12	2.4											□						
	CNMM 250924 .G72	25.8	25.40	9.52	9.12	2.4											□						
	CNMM 190616 .G82	19.3	19.05	6.35	7.94	1.6											■						
	CNMM 190624 .G82	19.3	19.05	6.35	7.94	2.4											■						
	CNMM 250924 .G82	25.8	25.4	9.52	9.12	2.4											□						
	CNMM 250932 .G82	25.8	25.4	9.52	9.12	3.2											□						

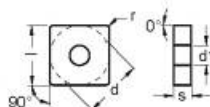
DNGP
DNMG



KNUX

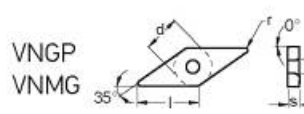
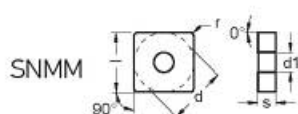


SNMA
SNMG



- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

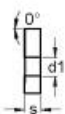
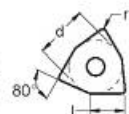
Материал							Cermet			Cemented			Coated grades							Цена лв.		
Steel							○						○			●	●	○			●	
Stainless steel							●						●	●		○		○			○	○
Cast iron							○						○				○	○	●			
Aluminium alloys													○									
Heat resistant alloys													○		●						●	
	код	l	d	s	d1	r	C4010						F2120	F2425	F8410	T1415	T1425	T3220		T1435	F8315	
	DNGP 110404 .G23	11.6	9.52	4.76	3.81	0.4							□									
	DNGP 150602 .G23	15.5	12.7	6.35	5.16	0.2							□									
	DNGP 150604 .G23	15.5	12.7	6.35	5.16	0.4							□									
	DNGP 150608 .G23	15.5	12.7	6.35	5.16	0.8							□									
	DNMG 150604 .G39	15.5	12.7	6.35	5.16	0.4	□															
	DNMG 110404 .G52	11.6	9.52	4.76	3.81	0.4											■					
	DNMG 110408 .G52	11.6	9.52	4.76	3.81	0.8											■					
	DNMG 150604 .G52	15.5	12.7	6.35	5.16	0.4										■	■					
	DNMG 150608 .G52	15.5	12.7	6.35	5.16	0.8										■	■	■		■		
	DNMG 150612 .G52	15.5	12.7	6.35	5.16	1.2										■	■	■		■		
	DNMG 110404 .G53	11.6	9.52	4.76	3.81	0.4							□									
	DNMG 110408 .G53	11.6	9.52	4.76	3.81	0.8							□									
	DNMG 150604 .G53	15.5	12.7	6.35	5.16	0.4							■									
	DNMG 150608 .G53	15.5	12.7	6.35	5.16	0.8							■									
	DNMG 150608 .G55	15.5	12.7	6.35	5.16	0.8									■						■	
	DNMG 150608 .G62	15.5	12.7	6.35	5.16	0.8												■				
	DNMG 150608 .G63	15.5	12.7	6.35	5.16	0.8							■									
	DNMG 150612 .G63	15.5	12.7	6.35	5.16	1.2							■									
	KNUX 160405EL .G69	16.0	9.52	4.76	-	0.5											■					
	KNUX 160405ER .G69	16.0	9.52	4.76	-	0.5											■					
	SNMA 120408 .G61	12.7	12.7	4.76	5.16	0.8												■				
	SNMG 120408 .G52	12.7	12.7	4.76	5.16	0.8										■	■			■		
	SNMG 120412 .G52	12.7	12.7	4.76	5.16	1.2										■	■			■		
	SNMG 120408 .G53	12.7	12.7	4.76	5.16	0.8							■									
	SNMG 120408 .G55	12.7	12.7	4.76	5.16	0.8									■						■	
	SNMG 120408 .G56	12.7	12.7	4.76	5.16	0.8											■					
	SNMG 120412 .G56	12.7	12.7	4.76	5.16	1.2											■					
	SNMG 120408 .G62	12.7	12.7	4.76	5.16	0.8												■				
	SNMG 150612 .G62	15.87	15.87	6.35	6.35	1.2											■			■		
	SNMG 190612 .G62	19.05	19.05	6.35	7.94	1.2											□			■		



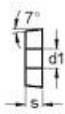
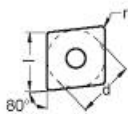
- - В наличност
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- - Възможно приложение

Материал							Cermet		Cemented		Coated grades								цена лв.
код	l	d	s	d1	r	C4010					F2120	F2425	F8410	T1415	T1425	T3220	T1435	F8315	
Steel						○					○			●	●	○		●	
Stainless steel						●					●	●		○	○			○	○
Cast iron						○					○				○	○	●		
Aluminium alloys											○								
Heat resistant alloys											○		●						●
	SNMM 190616 .G54	19.05	19.05	6.35	7.94	1.6									□				
	SNMM 250924 .G54	25.40	25.40	9.52	9.12	2.4									□				
	SNMM 190612 .G72	19.05	19.05	6.35	7.94	1.2									□				
	SNMM 190616 .G72	19.05	19.05	6.35	7.94	1.6									□				
	SNMM 250724 .G72	25.40	25.40	9.52	9.12	2.4									□				
	SNMM 250924 .G72	25.40	25.40	9.52	9.12	2.4									□				
	SNMM 190616 .G82	19.05	19.05	6.35	7.94	1.6									□				
	SNMM 190624 .G82	19.05	19.05	6.35	7.94	2.4									□				
	SNMM 250924 .G82	25.40	25.40	9.52	9.12	2.4									□				
	SNMM 250932 .G82	25.40	25.40	9.52	9.12	3.2									□				
	TNMA 160408 .G61	16.5	9.52	4.76	3.81	0.8										■			
	TNMG 160404 .G52	16.5	9.52	4.76	3.81	0.4								■	■				
	TNMG 160408 .G52	16.5	9.52	4.76	3.81	0.8								■	■	■	■		
	TNMG 160412 .G52	16.5	9.52	4.76	3.81	1.2								■	■	■			
	TNMG 220404 .G52	22.0	12.70	4.76	5.16	0.4									■				
	TNMG 220408 .G52	22.0	12.70	4.76	5.16	0.8									■	■			
	TNMG 160404 .G53	16.5	9.52	4.76	3.81	0.4					■								
	TNMG 160408 .G53	16.5	9.52	4.76	3.81	0.8					■								
	TNMG 160408 .G55	16.5	9.52	4.76	3.81	0.8							■					■	
	TNMG 160408 .G56	16.5	9.52	4.76	3.81	0.8								■	■				
	TNMG 160412 .G56	16.5	9.52	4.76	3.81	1.2								■	■				
	TNMG 160408 .G62	16.5	9.52	4.76	3.81	0.8										■			
	TNMG 160408 .G63	16.5	9.52	4.76	3.81	0.8					■								
	TNMG 160412 .G63	16.5	9.52	4.76	3.81	1.2					■								
	VNGP 160402 .G23	16.6	9.52	4.76	3.81						□								
	VNGP 160404 .G23	16.6	9.52	4.76	3.81						□								
	VNMG 160404 .G52	16.6	9.52	4.76	3.81									■	■				
	VNMG 160408 .G52	16.6	9.52	4.76	3.81									■	■				
	VNMG 160408 .G53	16.6	9.52	4.76	3.81						■								
	VNMG 160408 .G55	16.6	9.52	4.76	3.81								■					■	

WNGP
WNMA
WNMG

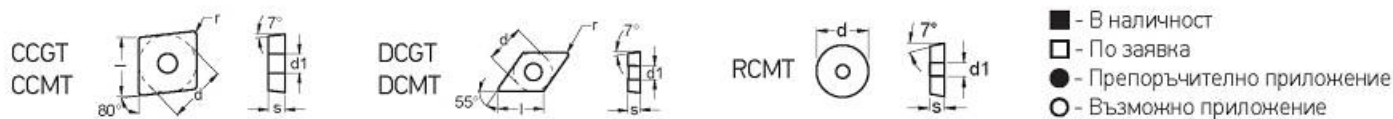


CCGT
CCMT

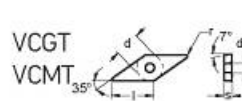
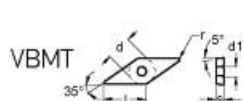
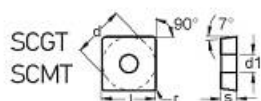


- - В наличност
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- - Възможно приложение

Материал							Cermet			Cemented			Coated grades								цена лв.			
Steel							○							○	○		●	●	○			●		
Stainless steel							●							●	●	●	○		○				○	○
Cast iron							○				○			○				○	○	●				
Aluminium alloys											●			○										
Heat resistant alloys											○			○			●							●
	код	l	d	s	d1	r	C4010				T115				F2120	F2425	F2435	F8410	T1415	T1425	T3220		T1435	F8315
	WNGP 080404 .G23	8.7	12.7	4.76	5.16	0.4									□									
	WNGP 080408 .G23	8.7	12.7	4.76	5.16	0.8									□									
	WNMA 080408 .G61	8.7	12.7	4.76	5.16	0.8															■			
	WNMG 060404 .G52	6.5	9.52	4.76	3.81	0.4													■	■				
	WNMG 060408 .G52	6.5	9.52	4.76	3.81	0.8													■	■				
	WNMG 080404 .G52	8.7	12.7	4.76	5.16	0.4													■	■				
	WNMG 080408 .G52	8.7	12.7	4.76	5.16	0.8													■	■	■		■	
	WNMG 080412 .G52	8.7	12.7	4.76	5.16	1.2													■	■	■		■	
	WNMG 060404 .G53	6.5	9.52	4.76	3.81	0.4									■									
	WNMG 060408 .G53	6.5	9.52	4.76	3.81	0.8									■									
	WNMG 080404 .G53	8.7	12.7	4.76	5.16	0.4									■									
	WNMG 080408 .G53	8.7	12.7	4.76	5.16	0.8									■									
	WNMG 080408 .G55	8.7	12.7	4.76	5.16	0.8												■						■
	WNMG 080408 .G56	8.7	12.7	4.76	5.16	0.8													■	■				
	WNMG 080412 .G56	8.7	12.7	4.76	5.16	1.2													■	■				
	WNMG 080408 .G62	8.7	12.7	4.76	5.16	0.8													■	■	■			
	WNMG 080412 .G62	8.7	12.7	4.76	5.16	1.2													■	■	■			
	WNMG 080408 .G63	8.7	12.7	4.76	5.16	0.8									■									
	WNMG 080412 .G63	8.7	12.7	4.76	5.16	1.2									■									
	CCGT 060200 .G13	6.5	6.35	2.38	2.8	0.0									■									
	CCGT 060201 .G13	6.5	6.35	2.38	2.8	0.1									■									
	CCGT 09T300 .G13	9.7	9.52	3.97	4.4	0.0									□									
	CCGT 09T301 .G13	9.7	9.52	3.97	4.4	0.1									□									
	CCGT 060201 .G57P	6.5	6.35	2.38	2.8	0.1					■													
	CCGT 060202 .G57P	6.5	6.35	2.38	2.8	0.2					■													
	CCGT 060204 .G57P	6.5	6.35	2.38	2.8	0.4					■													
	CCGT 09T302 .G57P	9.7	9.52	3.97	4.4	0.2					■													
	CCGT 09T304 .G57P	9.7	9.52	3.97	4.4	0.4					■													
	CCGT 09T308 .G57P	9.7	9.52	3.97	4.4	0.8					■													
	CCGT 120404 .G57P	12.9	12.7	4.76	5.5	0.4					■													
	CCGT 120408 .G57P	12.9	12.7	4.76	5.5	0.8					■													
	CCMT 060204 .G39	6.5	6.35	2.38	2.8	0.4	■																	
	CCMT 09T304 .G39	9.7	9.52	3.97	4.4	0.4	■																	

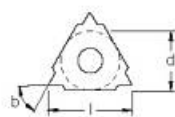


Материал							Cermet			Cemented			Coated grades								цена лв.			
Steel							○							○	○		●	●	○			●		
Stainless steel							●							●	●	●	○		○			○	○	
Cast iron							○				○			○				○	○	●				
Aluminium alloys											●			○										
Heat resistant alloys											○			○			●					●		
	код	l	d	s	d1	r	C4010				T115				F2120	F2425	F2435	F8410	T1415	T1425	T3220		T1435	F8315
	CCMT 060202 .G42	6.5	6.35	2.38	2.8	0.2									■					■				
	CCMT 060204 .G42	6.5	6.35	2.38	2.8	0.4									■					■				
	CCMT 09T302 .G42	9.7	9.52	3.97	4.4	0.2									■					■				
	CCMT 09T304 .G42	9.7	9.52	3.97	4.4	0.4									■					■				
	CCMT 09T308 .G42	9.7	9.52	3.97	4.4	0.8									■					■				
	CCMT 060204 .G52	6.5	6.35	2.38	2.8	0.4									■				■	■	■		■	
	CCMT 060208 .G52	6.5	6.35	2.38	2.8	0.8									■					■			■	
	CCMT 09T304 .G52	9.7	9.52	3.97	4.4	0.4									■	■			■	■	■		■	
	CCMT 09T308 .G52	9.7	9.52	3.97	4.4	0.8									■	■			■	■	■		■	
	CCMT 120404 .G52	12.9	12.7	4.76	5.5	0.4									■					■				
	CCMT 120408 .G52	12.9	12.7	4.76	5.5	0.8									■					■	■			
	CCMT 120412 .G52	12.9	12.7	4.76	5.5	1.2									■					■				
	DCGT 070200 .G13	7.8	6.35	2.38	2.8	0.0								■										
	DCGT 070201 .G13	7.8	6.35	2.38	2.8	0.1								■										
	DCGT 11T300 .G13	11.6	9.52	3.97	4.4	0.0								□										
	DCGT 11T301 .G13	11.6	9.52	3.97	4.4	0.1								□										
	DCGT 070201 .G57P	7.8	6.35	2.38	2.8	0.1				■														
	DCGT 070202 .G57P	7.8	6.35	2.38	2.8	0.2				■														
	DCGT 070204 .G57P	7.8	6.35	2.38	2.8	0.4				■														
	DCGT 070208 .G57P	7.8	6.35	2.38	2.8	0.8				■														
	DCGT 11T302 .G57P	11.6	9.52	3.97	4.4	0.2				■														
	DCGT 11T304 .G57P	11.6	9.52	3.97	4.4	0.4				■														
	DCGT 11T308 .G57P	11.6	9.52	3.97	4.4	0.8				■														
	DCMT 070204 .G39	7.8	6.35	2.38	2.8	0.4	■																	
	DCMT 11T304 .G39	11.6	9.52	3.97	4.4	0.4	■																	
	DCMT 070202 .G42	7.8	6.35	2.38	2.8	0.2								■						■				
	DCMT 070204 .G42	7.8	6.35	2.38	2.8	0.4								■						■				
	DCMT 11T302 .G42	11.6	9.52	3.97	4.4	0.2								■						■				
	DCMT 11T304 .G42	11.6	9.52	3.97	4.4	0.4								■						■				
	DCMT 11T308 .G42	11.6	9.52	3.97	4.4	0.8								■						■				
	DCMT 070204 .G52	7.8	6.35	2.38	2.8	0.4								■						■	■		■	
	DCMT 070208 .G52	7.8	6.35	2.38	2.8	0.8								■						■			■	
	DCMT 11T304 .G52	11.6	9.52	3.97	4.4	0.4								■	■			■	■	■		■		
	DCMT 11T308 .G52	11.6	9.52	3.97	4.4	0.8								■	■			■	■	■		■		
	RCMT 0803MO .G52	-	8	3.18	3.4	-																	■	
	RCMT 1003MO .G52	-	10	3.18	4.0	-																	■	



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 ● - Препоръчително приложение ○ - Възможно приложение

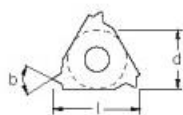
Материал							Cermet				Cemented				Coated grades								Цена лв		
Steel							○								○	○		●	●	○		●			
Stainless steel							●								●	●	●	○		○				○	○
Cast iron							○				○				○				○	○	●				
Aluminium alloys											●			○											
Heat resistant alloys											○			○			●								●
	код	l	d	s	d1	r	C4010					T115				F2120	F2425	F2435	F8410	T1415	T1425	T3220	T1435	F8315	
	SCGT 09T304 .G57P	9.52	9.52	3.97	4.4	0.4						□													
	SCMT 09T304 .G52	9.52	9.52	3.97	4.4	0.4											■				■				
	SCMT 09T308 .G52	9.52	9.52	3.97	4.4	0.8											■				■	■			
	SCMT 120404 .G52	12.7	12.7	4.76	5.3	0.4											■				■				
	SCMT 120408 .G52	12.7	12.7	4.76	5.3	0.8											■				■	■		■	
	SCMT 120412 .G52	12.7	12.7	4.76	5.3	1.2											■				■			■	
	TCGT 110202 .G39	11.0	6.35	2.38	2.8	0.2	■																		
	TCMT 110204 .G39	11.0	6.35	2.38	2.8	0.4	■																		
	TCMT 090204 .G52	9.6	5.56	2.38	2.5	0.4											■				■	□			
	TCMT 110204 .G52	11.0	6.35	2.38	2.8	0.4											■	■			■	□		■	
	TCMT 110208 .G52	11.0	6.35	2.38	2.8	0.8											■	■			■	□		■	
	TCMT 16T304 .G52	16.5	9.52	3.97	4.4	0.4											■				■	■		■	
	TCMT 16T308 .G52	16.5	9.52	3.97	4.4	0.8											■				■	■		■	
	TCMT 16T312 .G52	16.5	9.52	3.97	4.4	1.2											■				■				
	VBMT 160404 .G58	16.5	9.52	4.76	4.4	0.4															■				
	VBMT 160408 .G58	16.5	9.52	4.76	4.4	0.8															■				
	VCGT 110300 .G13	11.1	6.35	3.18	2.9	0.0											■								
	VCGT 110301 .G13	11.1	6.35	3.18	2.9	0.1											■								
	VCGT 160400 .G13	16.5	9.52	4.76	4.4	0.0											■								
	VCGT 160401 .G13	16.5	9.52	4.76	4.4	0.1											■								
	VCGT 110302 .G57P	11.1	6.35	3.18	2.9	0.2						■													
	VCGT 110304 .G57P	11.1	6.35	3.18	2.9	0.4						■													
	VCGT 160404 .G57P	16.5	9.52	4.76	4.4	0.4						■													
	VCGT 160408 .G57P	16.5	9.52	4.76	4.4	0.8						■													
	VCGT 160412 .G57P	16.5	9.52	4.76	4.4	1.2						■													
	VCMT 110302 .G42	11.1	6.35	3.18	2.9	0.2											■				■				
	VCMT 110304 .G42	11.1	6.35	3.18	2.9	0.4											■				■				
	VCMT 160404 .G42	16.5	9.52	4.76	4.4	0.4											■				■				
	VCMT 110304 .G52	11.1	6.35	3.18	2.9	0.4											■	■			■			■	
	VCMT 110308 .G52	11.1	6.35	3.18	2.9	0.8											■	■			■			■	
	VCMT 160404 .G52	16.5	9.52	4.76	4.4	0.4											■				■			■	
	VCMT 160408 .G52	16.5	9.52	4.76	4.4	0.8											■				■			■	
	WCGT 020102 .G39	2.62	3.97	1.59	2.3	0.2	■																		



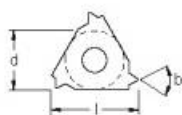
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- - В наличност
 □ - По заявка
 ● - Препоръчително приложение
 ○ - Възможно приложение

Материал						Cermet				Coated grades								Цена лв.		
Steel										●	●			●	●	●	●			
Stainless steel										●	●					○	○			
Cast iron										●	●					●	●			
Aluminium alloys										○	○					●	●			
Heat resistant alloys										●	●					○	○			
Hard and hardened material										○	○					○	○			
код		l	d	b	P mm					R	L			R	L	R	L			
										F7030	F7030			F1025	F1025	F7040	F7040			
11ER A60	11EL A60	11	6.35	60°	0.5÷1.5					□	□			□	□					
16ER A60	16EL A60	16.5	9.52	60°	0.5÷1.5					□	□			□	□					
16ER G60	16EL G60	16.5	9.52	60°	1.75÷3.0					□	□			□	□					
16ER AG60	16EL AG60	16.5	9.52	60°	0.5÷3.0					□	□			□	□					
22ER N60	22EL N60	22	12.7	60°	3.5÷5.0					□	□			□	□					
06IR A60	06IL A60	6.9	3.97	60°	0.5÷1.25											□	□			
08IR A60	08IL A60	8.2	4.76	60°	0.5÷1.5											□	□			
08U IR U60	08U IL U60	8.2U	4.76U	60°	1.75÷2.0											□	□			
11IR A60	11IL A60	11	6.35	60°	0.5÷1.5					□	□			□	□					
16IR A60	16IL A60	16.5	9.52	60°	0.5÷1.5					□	□			□	□					
16IR G60	16IL G60	16.5	9.52	60°	1.75÷3.0					□	□			□	□					
16IR AG60	16IL AG60	16.5	9.52	60°	0.5÷3.0					□	□			□	□					
22IR N60	22IL N60	22	12.7	60°	3.5÷5.0					□	□			□	□					
11ER A55	11EL A55	11	6.35	55°	0.5÷1.5					□	□			□	□					
16ER A55	16EL A55	16.5	9.52	55°	0.5÷1.5					□	□			□	□					
16ER G55	16EL G55	16.5	9.52	55°	1.75÷3.0					□	□			□	□					
16ER AG55	16EL AG55	16.5	9.52	55°	0.5÷3.0					□	□			□	□					
22ER N55	22EL N55	22	12.7	55°	3.5÷5.0					□	□			□	□					
06IR A55	06IL A55	6.9	3.97	55°	0.5÷1.25											□	□			
08IR A55	08IL A55	8.2	4.76	55°	0.5÷1.5											□	□			
08U IR U55	08U IL U55	8.2U	4.76U	55°	1.75÷2.0											□	□			
11IR A55	11IL A55	11	6.35	55°	0.5÷1.5					□	□			□	□					
16IR A55	16IL A55	16.5	9.52	55°	0.5÷1.5					□	□			□	□					
16IR G55	16IL G55	16.5	9.52	55°	1.75÷3.0					□	□			□	□					
16IR AG55	16IL AG55	16.5	9.52	55°	0.5÷3.0					□	□			□	□					
22IR N55	22IL N55	22	12.7	55°	3.5÷5.0					□	□			□	□					



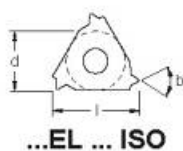
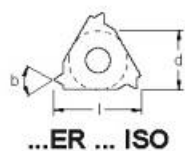
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...IR B ...

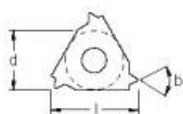
- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал					Cermet				Coated grades										
Steel									●										
Stainless steel									●										
Cast iron									●										
Aluminium alloys									○										
Heat resistant alloys									●										
Hard and hardened material									○										
код	l	d	b	P mm					F7030								цена лв.		
16ER B A60	16.5	9.52	60°	0.5÷1.5					□										
16ER B G60	16.5	9.52	60°	1.75÷3.0					□										
16ER B AG60	16.5	9.52	60°	0.5÷3.0					□										
16IR B A60	16.5	9.52	60°	0.5÷1.5					□										
16IR B G60	16.5	9.52	60°	1.75÷3.0					□										
16IR B AG60	16.5	9.52	60°	0.5÷3.0					□										
16ER B G55	16.5	9.52	55°	1.75÷3.0					□										
16ER B AG55	16.5	9.52	55°	0.5÷3.0					□										
16IR B G55	16.5	9.52	55°	1.75÷3.0					□										
16IR B AG55	16.5	9.52	55°	0.5÷3.0					□										

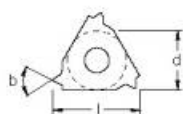


- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

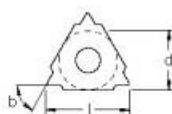
Материал						Cermet				Coated grades								цена лв.
Steel										●	●			●	●			
Stainless steel										●	●							
Cast iron										●	●							
Aluminium alloys										○	○							
Heat resistant alloys										●	●							
Hard and hardened material										○	○							
код		l	d	b	P mm					R				R				
										F7030	F7030			F1025	F1025			
11ER 0.35 ISO	11EL 0.35 ISO	11	6.35	60°	0.35					□	□			□	□			
11ER 0.40 ISO	11EL 0.40 ISO	11	6.35	60°	0.40					□	□			□	□			
11ER 0.45 ISO	11EL 0.45 ISO	11	6.35	60°	0.45					□	□			□	□			
11ER 0.50 ISO	11EL 0.50 ISO	11	6.35	60°	0.50					□	□			□	□			
11ER 0.60 ISO	11EL 0.60 ISO	11	6.35	60°	0.60					□	□			□	□			
11ER 0.70 ISO	11EL 0.70 ISO	11	6.35	60°	0.70					□	□			□	□			
11ER 0.75 ISO	11EL 0.75 ISO	11	6.35	60°	0.75					□	□			□	□			
11ER 0.80 ISO	11EL 0.80 ISO	11	6.35	60°	0.80					□	□			□	□			
11ER 1.00 ISO	11EL 1.00 ISO	11	6.35	60°	1.00					□	□			□	□			
11ER 1.25 ISO	11EL 1.25 ISO	11	6.35	60°	1.25					□	□			□	□			
11ER 1.50 ISO	11EL 1.50 ISO	11	6.35	60°	1.50					□	□			□	□			
11ER 1.75 ISO	11EL 1.75 ISO	11	6.35	60°	1.75					□	□			□	□			
16ER 0.35 ISO	16EL 0.35 ISO	16.5	9.52	60°	0.35					□	□			□	□			
16ER 0.40 ISO	16EL 0.40 ISO	16.5	9.52	60°	0.40					□	□			□	□			
16ER 0.45 ISO	16EL 0.45 ISO	16.5	9.52	60°	0.45					□	□			□	□			
16ER 0.50 ISO	16EL 0.50 ISO	16.5	9.52	60°	0.50					■	□			■	□			
16ER 0.60 ISO	16EL 0.60 ISO	16.5	9.52	60°	0.60					□	□			□	□			
16ER 0.70 ISO	16EL 0.70 ISO	16.5	9.52	60°	0.70					□	□			□	□			
16ER 0.75 ISO	16EL 0.75 ISO	16.5	9.52	60°	0.75					■	□			■	□			
16ER 0.80 ISO	16EL 0.80 ISO	16.5	9.52	60°	0.80					□	□			□	□			
16ER 1.00 ISO	16EL 1.00 ISO	16.5	9.52	60°	1.00					■	□			■	□			
16ER 1.25 ISO	16EL 1.25 ISO	16.5	9.52	60°	1.25					■	□			■	□			
16ER 1.50 ISO	16EL 1.50 ISO	16.5	9.52	60°	1.50					■	□			■	□			
16ER 1.75 ISO	16EL 1.75 ISO	16.5	9.52	60°	1.75					■	□			■	□			
16ER 2.00 ISO	16EL 2.00 ISO	16.5	9.52	60°	2.00					■	□			■	□			
16ER 2.50 ISO	16EL 2.50 ISO	16.5	9.52	60°	2.50					■	□			■	□			
16ER 3.00 ISO	16EL 3.00 ISO	16.5	9.52	60°	3.00					■	□			■	□			
16ER 3.50 ISO	16EL 3.50 ISO	16.5	9.52	60°	3.50					■	□			■	□			
22ER 3.50 ISO	22EL 3.50 ISO	22	12.7	60°	3.50					□	□			□	□			
22ER 4.00 ISO	22EL 4.00 ISO	22	12.7	60°	4.00					■	□			■	□			
22ER 4.50 ISO	22EL 4.50 ISO	22	12.7	60°	4.50					■	□			■	□			
22ER 5.00 ISO	22EL 5.00 ISO	22	12.7	60°	5.00					■	□			■	□			
22ER 5.50 ISO	22EL 5.50 ISO	22	12.7	60°	5.50					□	□			□	□			
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...IR ... ISO



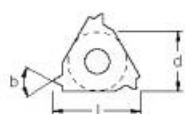
...IL ... ISO



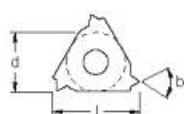
...U ... ISO

- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал						Cermet				Coated grades								цена лв.		
Steel										●	●			●	●	●	●			
Stainless steel										●	●					○	○			
Cast iron										●	●					●	●			
Aluminium alloys										○	○					●	●			
Heat resistant alloys										●	●					○	○			
Hard and hardened material										○	○					○	○			
код		l	d	b	P mm					R	L			R	L	R	L			
										F7030	F7030			F1025	F1025	F7040	F7040			
06IR 0.50 ISO	06IL 0.50 ISO	6.9	3.97	60°	0.50															
06IR 0.75 ISO	06IL 0.75 ISO	6.9	3.97	60°	0.75															
06IR 1.00 ISO	06IL 1.00 ISO	6.9	3.97	60°	1.00															
06IR 1.25 ISO	06IL 1.25 ISO	6.9	3.97	60°	1.25															
08IR 0.50 ISO	08IL 0.50 ISO	8.2	4.76	60°	0.50															
08IR 0.75 ISO	08IL 0.75 ISO	8.2	4.76	60°	0.75															
08IR 1.00 ISO	08IL 1.00 ISO	8.2	4.76	60°	1.00															
08IR 1.25 ISO	08IL 1.50 ISO	8.2	4.76	60°	1.25															
08IR 1.50 ISO	08IL 1.75 ISO	8.2	4.76	60°	1.50															
08IR 1.75 ISO	08IL 1.25 ISO	8.2	4.76	60°	1.75															
08U IR 2.00 ISO	08U IL 2.00 ISO	8.2U	4.76U	60°	2.00															
11IR 0.35 ISO	11IL 0.35 ISO	11	6.35	60°	0.35					□	□			□	□					
11IR 0.40 ISO	11IL 0.40 ISO	11	6.35	60°	0.40					□	□			□	□					
11IR 0.45 ISO	11IL 0.45 ISO	11	6.35	60°	0.45					□	□			□	□					
11IR 0.50 ISO	11IL 0.50 ISO	11	6.35	60°	0.50					■	□			■	□					
11IR 0.60 ISO	11IL 0.60 ISO	11	6.35	60°	0.60					□	□			□	□					
11IR 0.70 ISO	11IL 0.70 ISO	11	6.35	60°	0.70					□	□			□	□					
11IR 0.75 ISO	11IL 0.75 ISO	11	6.35	60°	0.75					■	□			■	□					
11IR 0.80 ISO	11IL 0.80 ISO	11	6.35	60°	0.80					□	□			□	□					
11IR 1.00 ISO	11IL 1.00 ISO	11	6.35	60°	1.00					■	□			■	□					
11IR 1.25 ISO	11IL 1.25 ISO	11	6.35	60°	1.25					■	□			■	□					
11IR 1.50 ISO	11IL 1.50 ISO	11	6.35	60°	1.50					■	□			■	□					
11IR 1.75 ISO	11IL 1.75 ISO	11	6.35	60°	1.75					■	□			■	□					
11IR 2.00 ISO	11IL 2.00 ISO	11	6.35	60°	2.00					■	□			■	□					
11IR 2.50 ISO	11IL 2.50 ISO	11	6.35	60°	2.50					■	□			■	□					
16IR 0.35 ISO	16IL 0.35 ISO	16.5	9.52	60°	0.35					□	□			□	□					
16IR 0.40 ISO	16IL 0.40 ISO	16.5	9.52	60°	0.40					□	□			□	□					
16IR 0.45 ISO	16IL 0.45 ISO	16.5	9.52	60°	0.45					□	□			□	□					
16IR 0.50 ISO	16IL 0.50 ISO	16.5	9.52	60°	0.50					■	□			■	□					
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16IR 0.70 ISO	16IL 0.70 ISO	16.5	9.52	60°	0.70					□	□			□	□					
16IR 0.75 ISO	16IL 0.75 ISO	16.5	9.52	60°	0.75					■	□			■	□					
16IR 0.80 ISO	16IL 0.80 ISO	16.5	9.52	60°	0.80					■	□			■	□					
16IR 1.00 ISO	16IL 1.00 ISO	16.5	9.52	60°	1.00					■	□			■	□					
16IR 1.25 ISO	16IL 1.25 ISO	16.5	9.52	60°	1.25					■	□			■	□					
16IR 1.50 ISO	16IL 1.50 ISO	16.5	9.52	60°	1.50					■	□			■	□					
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16IR 2.00 ISO	16IL 2.00 ISO	16.5	9.52	60°	2.00					■	□			■	□					
16IR 2.50 ISO	16IL 2.50 ISO	16.5	9.52	60°	2.50					■	□			■	□					
16IR 3.00 ISO	16IL 3.00 ISO	16.5	9.52	60°	3.00					■	□			■	□					
16IR 3.50 ISO	16IL 3.50 ISO	16.5	9.52	60°	3.50					■	□			■	□					
22IR 3.50 ISO	22IL 3.50 ISO	22	12.7	60°	3.50					□	□			□	□					
22IR 4.00 ISO	22IL 4.00 ISO	22	12.7	60°	4.00					■	□			■	□					
22IR 4.50 ISO	22IL 4.50 ISO	22	12.7	60°	4.50					■	□			■	□					
22IR 5.00 ISO	22IL 5.00 ISO	22	12.7	60°	5.00					■	□			■	□					
22IR 5.50 ISO	22IL 5.50 ISO	22	12.7	60°	5.50					□	□			□	□					
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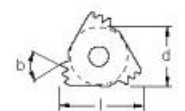
...ER B ... ISO



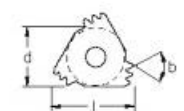
...IR B ... ISO

- - В наличност
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- - Възможно приложение

Материал					Cermet		Coated grades								цена лв.
код	l	d	b	P mm			F7030								
Steel							●								
Stainless steel							●								
Cast iron							●								
Aluminium alloys							○								
Heat resistant alloys							●								
Hard and hardened material							○								
16ER B 0.80 ISO	16.5	9.52	60°	0.80			□								
16ER B 1.00 ISO	16.5	9.52	60°	1.00			■								
16ER B 1.25 ISO	16.5	9.52	60°	1.25			■								
16ER B 1.50 ISO	16.5	9.52	60°	1.50			■								
16ER B 1.75 ISO	16.5	9.52	60°	1.75			■								
16ER B 2.00 ISO	16.5	9.52	60°	2.00			■								
16ER B 2.50 ISO	16.5	9.52	60°	2.50			■								
16ER B 3.00 ISO	16.5	9.52	60°	3.00			■								
16IR B 1.00 ISO	16.5	9.52	60°	1.00			■								
16IR B 1.25 ISO	16.5	9.52	60°	1.25			■								
16IR B 1.50 ISO	16.5	9.52	60°	1.50			■								
16IR B 1.75 ISO	16.5	9.52	60°	1.75			■								
16IR B 2.00 ISO	16.5	9.52	60°	2.00			■								
16IR B 2.50 ISO	16.5	9.52	60°	2.50			■								
16IR B 3.00 ISO	16.5	9.52	60°	3.00			■								



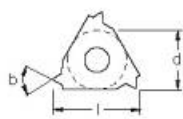
...ER ... ISO ..M



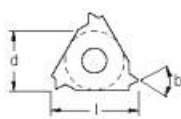
... IR ... ISO ..M

- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал						Cermet		Coated grades								цена лв.
код	l	d	b	Z	P mm			F7030			F1025					
Steel								●			●					
Stainless steel								●								
Cast iron								●								
Aluminium alloys								○								
Heat resistant alloys								●								
Hard and hardened material								○								
16ER 1.00 ISO 3M	16.5	9.52	60°	3	1.00			□			□					
16ER 1.50 ISO 2M	16.5	9.52	60°	2	1.50			□			□					
22ER 1.50 ISO 3M	22	12.7	60°	3	1.50			□			□					
22ER 2.00 ISO 2M	22	12.7	60°	2	2.00			□			□					
22ER 2.00 ISO 3M	22	12.7	60°	3	2.00			□			□					
16IR 1.00 ISO 3M	16.5	9.52	60°	3	1.00			□			□					
16IR 1.50 ISO 2M	16.5	9.52	60°	2	1.50			□			□					
22IR 1.50 ISO 3M	22	12.7	60°	3	1.50			□			□					
22IR 2.00 ISO 2M	22	12.7	60°	2	2.00			□			□					
22IR 2.00 ISO 3M	22	12.7	60°	3	2.00			□			□					



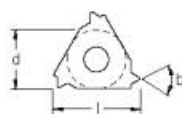
...ER ... UN



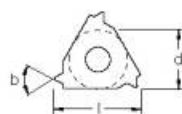
...EL ... UN

- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

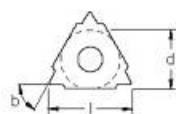
Материал						Cermet		Coated grades								цена лв.
Steel								●	●			●	●			
Stainless steel								●	●							
Cast iron								●	●							
Aluminium alloys								○	○							
Heat resistant alloys								●	●							
Hard and hardened material								○	○							
код		l	d	b	P (Fill TM)					R	L			R	L	
										F7030	F7030			F1025	F1025	
11ER 72 UN	11EL 72 UN	11	6.35	60°	72					□	□			□	□	
11ER 64 UN	11EL 64 UN	11	6.35	60°	64					□	□			□	□	
11ER 56 UN	11EL 56 UN	11	6.35	60°	56					□	□			□	□	
11ER 48 UN	11EL 48 UN	11	6.35	60°	48					□	□			□	□	
11ER 44 UN	11EL 44 UN	11	6.35	60°	44					□	□			□	□	
11ER 40 UN	11EL 40 UN	11	6.35	60°	40					□	□			□	□	
11ER 36 UN	11EL 36 UN	11	6.35	60°	36					□	□			□	□	
11ER 32 UN	11EL 32 UN	11	6.35	60°	32					□	□			□	□	
11ER 28 UN	11EL 28 UN	11	6.35	60°	28					□	□			□	□	
11ER 27 UN	11EL 27 UN	11	6.35	60°	27					□	□			□	□	
11ER 24 UN	11EL 24 UN	11	6.35	60°	24					□	□			□	□	
11ER 20 UN	11EL 20 UN	11	6.35	60°	20					□	□			□	□	
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11ER 16 UN	11EL 16 UN	11	6.35	60°	16					□	□			□	□	
11ER 14 UN	11EL 14 UN	11	6.35	60°	14					□	□			□	□	
16ER 72 UN	16EL 72 UN	16.5	9.52	60°	72					□	□			□	□	
16ER 64 UN	16EL 64 UN	16.5	9.52	60°	64					□	□			□	□	
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16ER 48 UN	16EL 48 UN	16.5	9.52	60°	48					□	□			□	□	
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16ER 40 UN	16EL 40 UN	16.5	9.52	60°	40					□	□			□	□	
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16ER 32 UN	16EL 32 UN	16.5	9.52	60°	32					□	□			□	□	
16ER 28 UN	16EL 28 UN	16.5	9.52	60°	28					□	□			□	□	
16ER 27 UN	16EL 27 UN	16.5	9.52	60°	27					□	□			□	□	
16ER 24 UN	16EL 24 UN	16.5	9.52	60°	24					□	□			□	□	
16ER 20 UN	16EL 20 UN	16.5	9.52	60°	20					□	□			□	□	
16ER 18 UN	16EL 18 UN	16.5	9.52	60°	18					□	□			□	□	
16ER 16 UN	16EL 16 UN	16.5	9.52	60°	16					□	□			□	□	
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16ER 13 UN	16EL 13 UN	16.5	9.52	60°	13					□	□			□	□	
16ER 12 UN	16EL 12 UN	16.5	9.52	60°	12					□	□			□	□	
16ER 11.5 UN	16EL 11.5 UN	16.5	9.52	60°	11.5					□	□			□	□	
16ER 11 UN	16EL 11 UN	16.5	9.52	60°	11					□	□			□	□	
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...IR ... UN



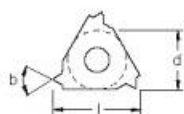
...IL ... UN



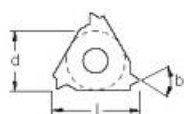
...U ... UN

- - В наличност
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- - Възможно приложение

Материал						Cermet				Coated grades								цена лв.		
Steel											●	●		●	●	●	●			
Stainless steel											●	●				○	○			
Cast iron											●	●				●	●			
Aluminium alloys											○	○				●	●			
Heat resistant alloys											●	●				○	○			
Hard and hardened material											○	○				○	○			
код		l	d	b	P (Fill/°)					R	L			R	L	R	L			
										F7030	F7030			F1025	F1025	F7040	F7040			
06IR 32 UN	06IL 32 UN	6.9	3.97	60°	32															
06IR 28 UN	06IL 28 UN	6.9	3.97	60°	28															
06IR 24 UN	06IL 24 UN	6.9	3.97	60°	24															
06IR 20 UN	06IL 20 UN	6.9	3.97	60°	20															
06IR 18 UN	06IL 18 UN	6.9	3.97	60°	18															
08IR 32 UN	08IL 32 UN	8.2	4.76	60°	32															
08IR 28 UN	08IL 28 UN	8.2	4.76	60°	28															
08IR 24 UN	08IL 24 UN	8.2	4.76	60°	24															
08IR 20 UN	08IL 20 UN	8.2	4.76	60°	20															
08IR 18 UN	08IL 18 UN	8.2	4.76	60°	18															
08IR 16 UN	08IL 16 UN	8.2	4.76	60°	16															
08IR 14 UN	08IL 14 UN	8.2	4.76	60°	14															
08U IR 13 UN	08U IL 13 UN	8.2U	4.76U	60°	13															
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11IR 36 UN	11IL 36 UN	11	6.35	60°	36															
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11IR 16 UN	11IL 16 UN	11	6.35	60°	16															
11IR 14 UN	11IL 14 UN	11	6.35	60°	14															
11IR 13 UN	11IL 13 UN	11	6.35	60°	13															
11IR 12 UN	11IL 12 UN	11	6.35	60°	12															
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16IR 11 UN	16IL 11 UN	16.5	9.52	60°	11															
16IR 10 UN	16IL 10 UN	16.5	9.52	60°	10															
16IR 9 UN	16IL 9 UN	16.5	9.52	60°	9															
16IR 8 UN	16IL 8 UN	16.5	9.52	60°	8															
22IR 7 UN	22IL 7 UN	22	12.7	60°	7															
22IR 6 UN	22IL 6 UN	22	12.7	60°	6															
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...ER B ... UN

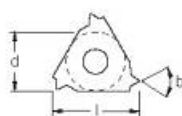
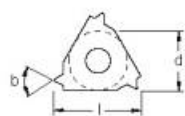


...IR B ... UN

- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

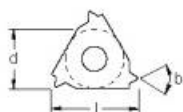
Материал					Cermet				Coated grades										цена лв.
Steel									●										
Stainless steel									●										
Cast iron									●										
Aluminium alloys									○										
Heat resistant alloys									●										
Hard and hardened material									○										
код	l	d	b	P (Fill/°)					F7030										
16ER B 24 UN	16.5	9.52	60°	24					□										
16ER B 20 UN	16.5	9.52	60°	20					□										
16ER B 18 UN	16.5	9.52	60°	18					□										
16ER B 16 UN	16.5	9.52	60°	16					□										
16ER B 14 UN	16.5	9.52	60°	14					□										
16ER B 13 UN	16.5	9.52	60°	13					□										
16ER B 12 UN	16.5	9.52	60°	12					□										
16ER B 11 UN	16.5	9.52	60°	11					□										
16ER B 10 UN	16.5	9.52	60°	10					□										
16ER B 9 UN	16.5	9.52	60°	9					□										
16ER B 8 UN	16.5	9.52	60°	8					□										
16IR B 24 UN	16.5	9.52	60°	24					□										
16IR B 20 UN	16.5	9.52	60°	20					□										
16IR B 18 UN	16.5	9.52	60°	18					□										
16IR B 16 UN	16.5	9.52	60°	16					□										
16IR B 14 UN	16.5	9.52	60°	14					□										
16IR B 12 UN	16.5	9.52	60°	12					□										
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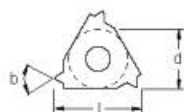


- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

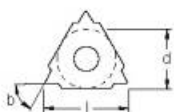
Материал						Cermet				Coated grades								цена лв.	
Steel										●	●			●	●				
Stainless steel										●	●								
Cast iron										●	●								
Aluminium alloys										○	○								
Heat resistant alloys										●	●								
Hard and hardened material										○	○								
код		l	d	b	P (Fill/°)					R	L			R	L				
										F7030	F7030			F1025	F1025				
11ER 72 W	11EL 72 W	11	6.35	55°	72					□	□			□	□				
11ER 60 W	11EL 60 W	11	6.35	55°	60					□	□			□	□				
11ER 56 W	11EL 56 W	11	6.35	55°	56					□	□			□	□				
11ER 48 W	11EL 48 W	11	6.35	55°	48					□	□			□	□				
11ER 40 W	11EL 40 W	11	6.35	55°	40					□	□			□	□				
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11ER 32 W	11EL 32 W	11	6.35	55°	32					□	□			□	□				
11ER 28 W	11EL 28 W	11	6.35	55°	28					□	□			□	□				
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11ER 24 W	11EL 24 W	11	6.35	55°	24					□	□			□	□				
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11ER 20 W	11EL 20 W	11	6.35	55°	20					□	□			□	□				
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11ER 18 W	11EL 18 W	11	6.35	55°	18					□	□			□	□				
11ER 16 W	11EL 16 W	11	6.35	55°	16					□	□			□	□				
11ER 14 W	11EL 14 W	11	6.35	55°	14					□	□			□	□				
16ER 72 W	16EL 72 W	16.5	9.52	55°	72					□	□			□	□				
16ER 60 W	16EL 60 W	16.5	9.52	55°	60					□	□			□	□				
16ER 56 W	16EL 56 W	16.5	9.52	55°	56					□	□			□	□				
16ER 48 W	16EL 48 W	16.5	9.52	55°	48					□	□			□	□				
16ER 40 W	16EL 40 W	16.5	9.52	55°	40					□	□			□	□				
16ER 36 W	16EL 36 W	16.5	9.52	55°	36					□	□			□	□				
16ER 32 W	16EL 32 W	16.5	9.52	55°	32					□	□			□	□				
16ER 28 W	16EL 28 W	16.5	9.52	55°	28					□	□			□	□				
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16ER 24 W	16EL 24 W	16.5	9.52	55°	24					□	□			□	□				
16ER 22 W	16EL 22 W	16.5	9.52	55°	22					□	□			□	□				
16ER 20 W	16EL 20 W	16.5	9.52	55°	20					□	□			□	□				
16ER 19 W	16EL 19 W	16.5	9.52	55°	19					■	□			■	□				
16ER 18 W	16EL 18 W	16.5	9.52	55°	18					□	□			□	□				
16ER 16 W	16EL 16 W	16.5	9.52	55°	16					■	□			■	□				
16ER 14 W	16EL 14 W	16.5	9.52	55°	14					■	□			■	□				
16ER 12 W	16EL 12 W	16.5	9.52	55°	12					□	□			□	□				
16ER 11 W	16EL 11 W	16.5	9.52	55°	11					■	□			■	□				
16ER 10 W	16EL 10 W	16.5	9.52	55°	10					□	□			□	□				
16ER 9 W	16EL 9 W	16.5	9.52	55°	9					□	□			□	□				
16ER 8 W	16EL 8 W	16.5	9.52	55°	8					□	□			□	□				
22ER 7 W	22EL 7 W	22	12.7	55°	7					□	□			□	□				
22ER 6 W	22EL 6 W	22	12.7	55°	6					□	□			□	□				
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...IR ... W



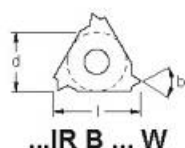
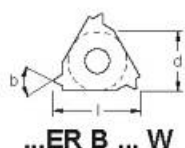
...IL ... W



...U ... W

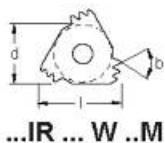
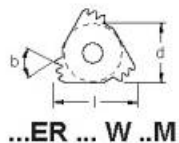
- - В наличност
 □ - По заявка
 ● - Препоръчително приложение
 ○ - Възможно приложение

Материал						Cermet				Coated grades								цена лв.			
Steel											●	●			●	●	●		●		
Stainless steel											●	●					○		○		
Cast iron											●	●					●		●		
Aluminium alloys											○	○					●		●		
Heat resistant alloys											●	●					○		○		
Hard and hardened material											○	○					○		○		
код		l	d	b	P (Fill TM)					R	L			R	L	R	L				
										F7030	F7030			F1025	F1025	F7040	F7040				
06IR 26 W	06IL 26 W	6.9	3.97	55°	26																
06IR 22 W	06IL 22 W	6.9	3.97	55°	22																
06IR 20 W	06IL 20 W	6.9	3.97	55°	20																
06IR 18 W	06IL 18 W	6.9	3.97	55°	18																
08IR 28 W	08IL 28 W	8.2	4.76	55°	28																
08IR 24 W	08IL 24 W	8.2	4.76	55°	24																
08IR 20 W	08IL 20 W	8.2	4.76	55°	20																
08IR 19 W	08IL 19 W	8.2	4.76	55°	19																
08IR 18 W	08IL 18 W	8.2	4.76	55°	18																
08IR 16 W	08IL 16 W	8.2	4.76	55°	16																
08U IR 14 W	08U IL 14 W	8.2U	4.76U	55°	14																
08U IR 12 W	08U IL 12 W	8.2U	4.76U	55°	12																
08U IR 11 W	08U IL 11 W	8.2U	4.76U	55°	11																
11IR 72 W	11IL 72 W	11	6.35	55°	72					□	□			□	□						
11IR 60 W	11IL 60 W	11	6.35	55°	60					□	□			□	□						
11IR 56 W	11IL 56 W	11	6.35	55°	56					□	□			□	□						
11IR 48 W	11IL 48 W	11	6.35	55°	48					□	□			□	□						
11IR 40 W	11IL 40 W	11	6.35	55°	40					□	□			□	□						
11IR 36 W	11IL 36 W	11	6.35	55°	36					□	□			□	□						
11IR 32 W	11IL 32 W	11	6.35	55°	32					□	□			□	□						
11IR 28 W	11IL 28 W	11	6.35	55°	28					□	□			□	□						
11IR 26 W	11IL 26 W	11	6.35	55°	26					□	□			□	□						
11IR 24 W	11IL 24 W	11	6.35	55°	24					□	□			□	□						
11IR 22 W	11IL 22 W	11	6.35	55°	22					□	□			□	□						
11IR 20 W	11IL 20 W	11	6.35	55°	20					□	□			□	□						
11IR 19 W	11IL 19 W	11	6.35	55°	19					□	□			□	□						
11IR 18 W	11IL 18 W	11	6.35	55°	18					□	□			□	□						
11IR 16 W	11IL 16 W	11	6.35	55°	16					□	□			□	□						
11IR 14 W	11IL 14 W	11	6.35	55°	14					□	□			□	□						
11IR 12 W	11IL 12 W	11	6.35	55°	12					□	□			□	□						
11IR 11 W	11IL 11 W	11	6.35	55°	11					□	□			□	□						
16IR 72 W	16IL 72 W	16.5	9.52	55°	72					□	□			□	□						
16IR 60 W	16IL 60 W	16.5	9.52	55°	60					□	□			□	□						
16IR 56 W	16IL 56 W	16.5	9.52	55°	56					□	□			□	□						
16IR 48 W	16IL 48 W	16.5	9.52	55°	48					□	□			□	□						
16IR 40 W	16IL 40 W	16.5	9.52	55°	40					□	□			□	□						
16IR 36 W	16IL 36 W	16.5	9.52	55°	36					□	□			□	□						
16IR 32 W	16IL 32 W	16.5	9.52	55°	32					□	□			□	□						
16IR 28 W	16IL 28 W	16.5	9.52	55°	28					□	□			□	□						
16IR 26 W	16IL 26 W	16.5	9.52	55°	26					□	□			□	□						
16IR 24 W	16IL 24 W	16.5	9.52	55°	24					□	□			□	□						
16IR 22 W	16IL 22 W	16.5	9.52	55°	22					□	□			□	□						
16IR 20 W	16IL 20 W	16.5	9.52	55°	20					□	□			□	□						
16IR 19 W	16IL 19 W	16.5	9.52	55°	19					■	□			■	□						
16IR 18 W	16IL 18 W	16.5	9.52	55°	18					■	□			■	□						
16IR 16 W	16IL 16 W	16.5	9.52	55°	16					■	□			■	□						
16IR 14 W	16IL 14 W	16.5	9.52	55°	14					■	□			■	□						
16IR 12 W	16IL 12 W	16.5	9.52	55°	12					□	□			□	□						
16IR 11 W	16IL 11 W	16.5	9.52	55°	11					■	□			■	□						
16IR 10 W	16IL 10 W	16.5	9.52	55°	10					□	□			□	□						
16IR 9 W	16IL 9 W	16.5	9.52	55°	9					□	□			□	□						
16IR 8 W	16IL 8 W	16.5	9.52	55°	8					□	□			□	□						
22IR 7 W	22IL 7 W	22	12.7	55°	7					□	□			□	□						
22IR 6 W	22IL 6 W	22	12.7	55°	6					□	□			□	□						
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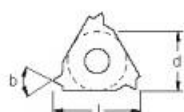
- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал					Cermet		Coated grades										цена лв.
Steel							●										
Stainless steel							●										
Cast iron							●										
Aluminium alloys							○										
Heat resistant alloys							●										
Hard and hardened material							○										
код	l	d	b	P (Fill/°)			F7030										
16ER B 19 W	16.5	9.52	55°	19			■										
16ER B 16 W	16.5	9.52	55°	16			■										
16ER B 14 W	16.5	9.52	55°	14			■										
16ER B 11 W	16.5	9.52	55°	11			■										
16ER B 10 W	16.5	9.52	55°	10			□										
16IR B 19 W	16.5	9.52	55°	19			■										
16IR B 16 W	16.5	9.52	55°	16			■										
16IR B 14 W	16.5	9.52	55°	14			■										
16IR B 11 W	16.5	9.52	55°	11			■										
16IR B 10 W	16.5	9.52	55°	10			□										

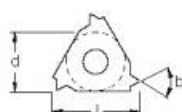


- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал						Cermet		Coated grades										цена лв.
Steel								●				●						
Stainless steel								●										
Cast iron								●										
Aluminium alloys								○										
Heat resistant alloys								●										
Hard and hardened material								○										
код	l	d	b	Z	P (Fill/°)			F7030				F1025						
16ER 14 W 2M	16.5	55°	2	14				□				□						
22ER 14 W 3M	22	55°	3	14				□				□						
22ER 11 W 2M	22	55°	2	11				□				□						
16IR 14 W 2M	16.5	55°	2	14				□				□						
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22IR 11 W 2M	22	55°	2	11				□				□						



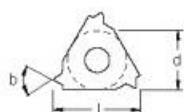
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...IL ... NPT



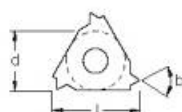
...EL ... NPT
...IR ... NPT

- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал					Cermet				Coated grades								цена лв.
Steel									●	●			●	●	●	●	
Stainless steel									●	●					○	○	
Cast iron									●	●					●	●	
Aluminium alloys									○	○					●	●	
Heat resistant alloys									●	●					○	○	
Hard and hardened material									○	○					○	○	
код	l	d	b	P (Fill")					R	L			R	L	R	L	
									F7030	F7030			F1025	F1025	F7040	F7040	
11ER 27 NPT	11EL 27 NPT	11	6.35	60°	27				□	□			□	□			
11ER 18 NPT	11EL 18 NPT	11	6.35	60°	18				□	□			□	□			
11ER 14 NPT	11EL 14 NPT	11	6.35	60°	14				□	□			□	□			
16ER 27 NPT	16EL 27 NPT	16.5	9.52	60°	27				□	□			□	□			
16ER 18 NPT	16EL 18 NPT	16.5	9.52	60°	18				□	□			□	□			
16ER 14 NPT	16EL 14 NPT	16.5	9.52	60°	14				□	□			□	□			
16ER 11.5 NPT	16EL 11.5 NPT	16.5	9.52	60°	11.5				□	□			□	□			
16ER 8 NPT	16EL 8 NPT	16.5	9.52	60°	8				□	□			□	□			
06IR 27 NPT	06IL 27 NPT	6.9	3.97	60°	27										□	□	
08IR 27 NPT	08IL 27 NPT	8.2	4.76	60°	27										□	□	
08IR 18 NPT	08IL 18 NPT	8.2	4.76	60°	18										□	□	
11IR 27 NPT	11IL 27 NPT	11	6.35	60°	27				□	□			□	□			
11IR 18 NPT	11IL 18 NPT	11	6.35	60°	18				□	□			□	□			
11IR 14 NPT	11IL 14 NPT	11	6.35	60°	14				□	□			□	□			
16IR 27 NPT	16IL 27 NPT	16.5	9.52	60°	27				□	□			□	□			
16IR 18 NPT	16IL 18 NPT	16.5	9.52	60°	18				□	□			□	□			
16IR 14 NPT	16IL 14 NPT	16.5	9.52	60°	14				□	□			□	□			
16IR 11.5 NPT	16IL 11.5 NPT	16.5	9.52	60°	11.5				□	□			□	□			
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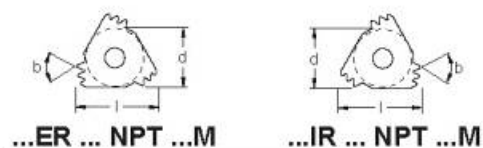
...ER B ... NPT



...IR B ... NPT

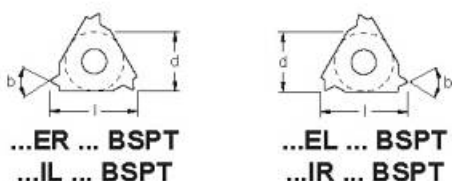
- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал					Cermet				Coated grades								цена лв.
Steel									●								
Stainless steel									●								
Cast iron									●								
Aluminium alloys									○								
Heat resistant alloys									●								
Hard and hardened material									○								
код	l	d	b	P (Fill")					F7030								
16ER B 18 NPT	16.5	9.52	60°	18					□								
16ER B 14 NPT	16.5	9.52	60°	14					□								
16ER B 11.5 NPT	16.5	9.52	60°	11.5					□								
16ER B 8 NPT	16.5	9.52	60°	8					□								
16IR B 18 NPT	16.5	9.52	60°	18					□								
16IR B 14 NPT	16.5	9.52	60°	14					□								
16IR B 11.5 NPT	16.5	9.52	60°	11.5					□								
16IR B 8 NPT	16.5	9.52	60°	8					□								



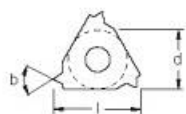
- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал						Cermet		Coated grades								цена лв.
Steel								●			●					
Stainless steel								●								
Cast iron								●								
Aluminium alloys								○								
Heat resistant alloys								●								
Hard and hardened material								○								
код	l	d	b	Z	P (Fill/")			F7030			F1025					
22ER 11.5 NPT 2M	22	12.7	60°	2	11.5			□			□					
22IR 11.5 NPT 2M	22	12.7	60°	2	11.5			□			□					

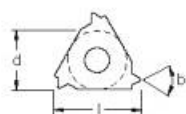


- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал						Cermet		Coated grades								цена лв.
Steel								●	●		●	●	●	●		
Stainless steel								●	●				○	○		
Cast iron								●	●				●	●		
Aluminium alloys								○	○				●	●		
Heat resistant alloys								●	●				○	○		
Hard and hardened material								○	○				○	○		
код	l	d	b	P (Fill/")				R	L		R	L	R	L		
								F7030	F7030		F1025	F1025	F7040	F7040		
16ER 28 BSPT	16EL 28 BSPT	16.5	9.52	55°	28			□	□		□	□				
16ER 19 BSPT	16EL 19 BSPT	16.5	9.52	55°	19			□	□		□	□				
16ER 14 BSPT	16EL 14 BSPT	16.5	9.52	55°	14			□	□		□	□				
16ER 11 BSPT	16EL 11 BSPT	16.5	9.52	55°	11			□	□		□	□				
06IR 28 BSPT	06IL 28 BSPT	6.9	3.97	55°	28								□	□		
08IR 28 BSPT	08IL 28 BSPT	8.2	4.76	55°	28								□	□		
08IR 19 BSPT	08IL 19 BSPT	8.2	4.76	55°	19								□	□		
11IR 28 BSPT	11IL 28 BSPT	11	6.35	55°	28			□	□		□	□				
11IR 19 BSPT	11IL 19 BSPT	11	6.35	55°	19			□	□		□	□				
11IR 14 BSPT	11IL 14 BSPT	11	6.35	55°	14			□	□		□	□				
11IR 11 BSPT	11IL 11 BSPT	11	6.35	55°	11			□	□		□	□				
16IR 28 BSPT	16IL 28 BSPT	16.5	9.52	55°	28			□	□		□	□				
16IR 19 BSPT	16IL 19 BSPT	16.5	9.52	55°	19			□	□		□	□				
16IR 14 BSPT	16IL 14 BSPT	16.5	9.52	55°	14			□	□		□	□				
16IR 11 BSPT	16IL 11 BSPT	16.5	9.52	55°	11			□	□		□	□				



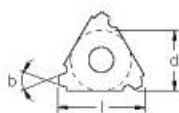
...ER B ... BSPT



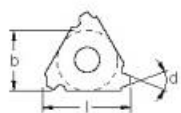
...IR B ... BSPT

- - В наличност
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- - Възможно приложение

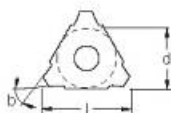
Материал					Cermet		Coated grades								цена лв.
Steel									●						
Stainless steel									●						
Cast iron									●						
Aluminium alloys									○						
Heat resistant alloys									●						
Hard and hardened material									○						
код	l	d	b	P (Fill/°)					F7030						
16ER B 19 BSPT	16.5	9.52	55°	19					□						
16ER B 14 BSPT	16.5	9.52	55°	14					□						
16ER B 11 BSPT	16.5	9.52	55°	11					□						
16IR B 14 BSPT	16.5	9.52	55°	14					□						
16IR B 11 BSPT	16.5	9.52	55°	11					□						



...ER ... TR
...IL ... TR



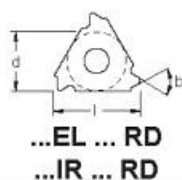
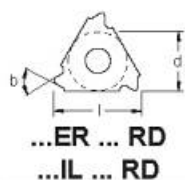
...EL ... TR
...IR ... TR



...U ... TR

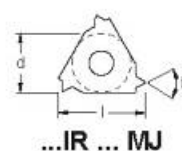
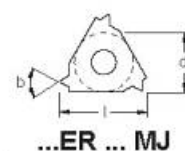
- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал						Cermet		Coated grades								цена лв.
Steel										●	●			●	●	
Stainless steel										●	●			○	○	
Cast iron										●	●			●	●	
Aluminium alloys										○	○			●	●	
Heat resistant alloys										●	●			○	○	
Hard and hardened material										○	○			○	○	
код	l	d	b	P mm					R F7030	L F7030			R F1025	L F1025	R F7040	L F7040
16ER 1.5 TR	16.5	9.52	30°	1.50					□	□			□	□		
16ER 2 TR	16.5	9.52	30°	2.00					□	□			□	□		
16ER 3 TR	16.5	9.52	30°	3.00					□	□			□	□		
16ER 4 TR	16.5	9.52	30°	4.00					□	□			□	□		
22ER 4 TR	22	12.7	30°	4.00					□	□			□	□		
22ER 5 TR	22	12.7	30°	5.00					□	□			□	□		
22ER 6 TR	22	12.7	30°	6.00					□	□			□	□		
08IR 1.5 TR	8.2	4.76	30°	1.50											□	□
08U IR 2 TR	8.2U	4.76U	30°	2.00											□	□
16IR 2 TR	11	6.35	30°	2.00					□	□			□	□		
16IR 3 TR	11	6.35	30°	3.00					□	□			□	□		
16IR 4 TR	11	6.35	30°	4.00					□	□			□	□		
22IR 4 TR	16.5	9.52	30°	4.00					□	□			□	□		
22IR 5 TR	16.5	9.52	30°	5.00					□	□			□	□		
22IR 6 TR	16.5	9.52	30°	6.00					□	□			□	□		



- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

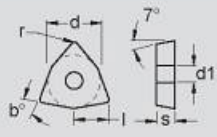
Материал						Cermet				Coated grades									
Steel										●	●			●	●				
Stainless steel										●	●								
Cast iron										●	●								
Aluminium alloys										○	○								
Heat resistant alloys										●	●								
Hard and hardened material										○	○								
код		l	d	b	P (Fill/°)					R	L			R	L			цена лв.	
										F7030	F7030			F1025	F1025				
16ER 10 RD	16EL 10 RD	16.5	9.52	30°	10					□	□			□	□				
16ER 8 RD	16EL 8 RD	16.5	9.52	30°	8					□	□			□	□				
16ER 6 RD	16EL 6 RD	16.5	9.52	30°	6					□	□			□	□				
22ER 6 RD	22EL 6 RD	22	12.7	30°	6					□	□			□	□				
22ER 4 RD	22EL 4 RD	22	12.7	30°	4					□	□			□	□				
16IR 10 RD	16IL 10 RD	16.5	9.52	30°	10					□	□			□	□				
16IR 8 RD	16IL 8 RD	16.5	9.52	30°	8					□	□			□	□				
16IR 6 RD	16IL 6 RD	16.5	9.52	30°	6					□	□			□	□				
22IR 6 RD	22IL 6 RD	22	12.7	30°	6					□	□			□	□				
22IR 4 RD	22IL 4 RD	22	12.7	30°	4					□	□			□	□				



- - В наличност
- - По заявка
- - Препоръчително приложение
- - Възможно приложение

Материал					Cermet				Coated grades								цена лв.		
Steel									●					●					
Stainless steel									●										
Cast iron									●										
Aluminium alloys									○										
Heat resistant alloys									●										
Hard and hardened material									○										
код	l	d	b	P mm														цена лв.	
										F7030									
16ER 1 MJ	16.5	9.52	60°	1.00						□					□				
16ER 1.25 MJ	16.5	9.52	60°	1.25						□					□				
16ER 1.5 MJ	16.5	9.52	60°	1.50						□					□				
16ER 2.0 MJ	16.5	9.52	60°	2.00						□					□				
11IR 1 MJ	11	6.35	60°	1.00						□					□				
11IR 1.25 MJ	11	6.35	60°	1.25						□					□				
11IR 1.5 MJ	11	6.35	60°	1.50						□					□				
11IR 2.0 MJ	11	6.35	60°	2.00						□					□				
16IR 1 MJ	16.5	9.52	60°	1.00						□					□				
16IR 1.25 MJ	16.5	9.52	60°	1.25						□					□				
16IR 1.5 MJ	16.5	9.52	60°	1.50						□					□				
16IR 2.0 MJ	16.5	9.52	60°	2.00						□					□				

ПРОБИВНО-РАЗСТЪРГВАЩ ИНСТРУМЕНТ

						
	l	d	S	d1	r	b°
XCHX 040104 .F44	4.0	6.35	1.59	2.25	0.4	88
XCHX 05T104 .F44	5.0	7.938	1.98	2.8	0.4	88
XCHX 060204 .F44	5.5	8.73	2.38	2.8	0.4	88
XCHX 070304 .F44	7.5	12.0	3.18	3.4	0.4	88
XCHX 090308 .F44	9.0	14.29	3.18	4.4	0.8	88
XCHX 10T308 .F44	10.0	15.87	3.97	5.9	0.8	88
XCHX 130508 .F44	13.0	21.0	5.56	7.0	0.8	88
Качество	P	M	K	N	S	H
T1225	●	○				



R



L

пробивно-разстъргващ инструмент

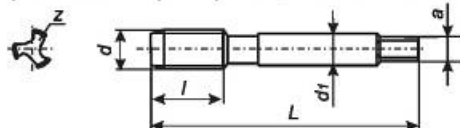
Код	В комплекта	цена лв.
PSMT 08150.04 R	N.1 SMT 08150.04 R N.2 XCHX 040104.F44 T1225	
PSMT 08225.04 R	N.1 SMT 08225.04 R N.2 XCHX 040104.F44 T1225	
PSMT 10150.05 R	N.1 SMT 10150.05 R N.2 XCHX 05T104.F44 T1225	
PSMT 10225.05 R	N.1 SMT 10225.05 R N.2 XCHX 05T104.F44 T1225	
PSMT 11150.06 R	N.1 SMT 11150.06 R N.2 XCHX 060204.F44 T1225	
PSMT 11225.06 R	N.1 SMT 11225.06 R N.2 XCHX 060204.F44 T1225	
PSMT 15150.07 R	N.1 SMT 15150.07 R N.2 XCHX 070304.F44 T1225	
PSMT 15225.07 R	N.1 SMT 15225.07 R N.2 XCHX 070304.F44 T1225	
PSMT 18150.09 R	N.1 SMT 18150.09 R N.2 XCHX 090308.F44 T1225	
PSMT 18225.09 R	N.1 SMT 18225.09 R N.2 XCHX 090308.F44 T1225	
PSMT 20150.10 R	N.1 SMT 20150.10 R N.2 XCHX 10T308.F44 T1225	
PSMT 20225.10 R	N.1 SMT 20225.10 R N.2 XCHX 10T308.F44 T1225	
PSMT 26150.13 R	N.1 SMT 26150.13 R N.2 XCHX 130508.F44 T1225	
PSMT 26225.13 R	N.1 SMT 26225.13 R N.2 XCHX 130508.F44 T1225	

Код	В комплекта	цена лв.
PSMT 08150.04 L	N.1 SMT 08150.04 L N.2 XCHX 040104.F44 T1225	
PSMT 08225.04 L	N.1 SMT 08225.04 L N.2 XCHX 040104.F44 T1225	
PSMT 10150.05 L	N.1 SMT 10150.05 L N.2 XCHX 05T104.F44 T1225	
PSMT 10225.05 L	N.1 SMT 10225.05 L N.2 XCHX 05T104.F44 T1225	
PSMT 11150.06 L	N.1 SMT 11150.06 L N.2 XCHX 060204.F44 T1225	
PSMT 11225.06 L	N.1 SMT 11225.06 L N.2 XCHX 060204.F44 T1225	
PSMT 15150.07 L	N.1 SMT 15150.07 L N.2 XCHX 070304.F44 T1225	
PSMT 15225.07 L	N.1 SMT 15225.07 L N.2 XCHX 070304.F44 T1225	
PSMT 18150.09 L	N.1 SMT 18150.09 L N.2 XCHX 090308.F44 T1225	
PSMT 18225.09 L	N.1 SMT 18225.09 L N.2 XCHX 090308.F44 T1225	
PSMT 20150.10 L	N.1 SMT 20150.10 L N.2 XCHX 10T308.F44 T1225	
PSMT 20225.10 L	N.1 SMT 20225.10 L N.2 XCHX 10T308.F44 T1225	
PSMT 26150.13 L	N.1 SMT 26150.13 L N.2 XCHX 130508.F44 T1225	
PSMT 26225.13 L	N.1 SMT 26225.13 L N.2 XCHX 130508.F44 T1225	



МЕТЧИЦИ

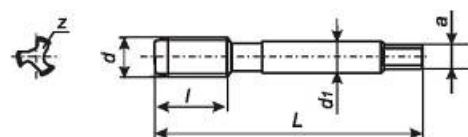
Метчици ръчни комплект от 2 броя за метрична ISO резба със ситна стъпка по DIN 13, Клас на точност 6H шлифован профил, DIN 2181 - Mf



d	p mm	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
M3	0.35	40	9	3.5	2.7	3	
M3,5	0.35	45	10	4	3.0	3	
M4	0.35	45	10	4.5	3.4	3	
M4	0.5	45	10	4.5	3.4	3	
M4,5	0.5	50	12	6	4.9	3	
M5	0.5	50	12	6	4.9	3	
M5,5	0.5	50	12	6	4.9	3	
M6	0.5	50	14	6	4.9	3	
M6	0.75	50	14	6	4.9	3	
M7	0.75	50	14	6	4.9	3	
M8	0.75	50	19	6	4.9	4	
M8	1.0	56	22	6	4.9	4	
M9	0.75	56	19	7	5.5	4	
M9	1.0	63	20	7	5.5	4	
M10	0.75	63	20	7	5.5	4	
M10	1.0	63	20	7	5.5	4	
M10	1.25	70	24	7	5.5	4	
M11	0.75	63	20	8	6.2	4	
M11	1.0	63	20	8	6.2	4	
M11	1.25	63	22	8	6.2	4	
M12	1.0	70	22	9	7.0	4	
M12	1.25	70	22	9	7.0	4	
M12	1.5	70	22	9	7.0	4	
M13	1.0	70	22	11	9.0	4	
M13	1.5	70	22	11	9.0	4	
M14	1.0	70	22	11	9.0	4	
M14	1.25	70	22	11	9.0	4	
M14	1.5	70	22	11	9.0	4	
M15	1.0	70	22	12	9	4	
M15	1.5	70	22	12	9	4	
M16	1.0	70	22	12	9	4	
M16	1.5	70	22	12	9	4	
M17	1.0	70	22	12	9	4	
M17	1.5	70	22	12	9	4	
M18	1.0	80	22	14	11	4	
M18	1.25	80	22	14	11	4	
M18	1.5	80	22	14	11	4	
M18	2.0	80	22	14	11	4	
M20	1.0	80	22	16	12	4	
M20	1.5	80	22	16	12	4	
M20	2.0	80	22	16	12	4	
M22	1.0	80	22	18	1.45	4	
M22	1.5	80	22	18	1.45	4	
M22	2.0	80	22	18	1.45	4	
M23	1.5	80	22	18	1.45	4	
M24	1.0	90	22	18	1.45	4	
M24	1.5	90	22	18	1.45	4	

d	p mm	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
M24	2.0	90	22	18	1.45	4	
M26	1.0	90	22	18	1.45	4	
M26	1.5	90	22	18	1.45	4	
M27	1.0	90	22	20	16	4	
M27	1.5	90	22	20	16	4	
M27	2.0	90	22	20	16	4	
M28	1.0	90	22	20	16	4	
M28	1.5	90	22	20	16	4	
M28	2.0	90	22	20	16	4	
M30	1.0	90	22	22	18	4	
M30	1.5	90	22	22	18	4	
M30	2.0	90	22	22	18	4	
M30	3.0	125	22	22	18	4	
M32	1.5	90	22	22	18	4	
M32	2.0	90	22	22	18	4	
M32	3.0	125	56	22	18	4	
M33	1.5	100	25	25	20	4	
M33	2.0	100	25	25	20	4	
M33	3.0	125	56	25	20	4	
M35	1.5	100	25	28	22	4	
M36	1.5	100	25	28	22	4	
M36	2.0	125	40	28	22	4	
M36	3.0	125	40	28	22	4	
M38	1.5	100	25	28	22	4	
M39	1.5	110	25	32	24	4	
M39	2.0	125	40	32	24	4	
M40	1.5	110	25	32	24	4	
M42	1.5	110	25	32	24	4	
M42	2.0	125	40	32	24	4	
M42	3.0	125	40	32	24	4	
M42	4.0	150	63	32	24	4	
M45	1.5	110	25	36	29	6	
M45	2.0	125	40	36	29	6	
M45	3.0	125	40	36	29	6	
M45	4.0	150	63	36	29	6	
M48	1.5	140	40	36	29	4	
M48	2.0	140	40	36	29	4	
M48	3.0	140	40	36	29	6	
M48	4.0	180	75	36	29	6	
M50	1.5	140	40	36	29	6	
M50	2.0	140	40	36	29	6	
M50	3.0	140	40	36	29	6	
M52	1.5	140	40	40	32	6	
M52	2.0	140	40	40	32	6	
M52	3.0	140	40	40	32	6	
M52	4.0	180	75	40	32	6	

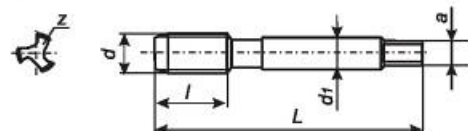
Метчици ръчни комплект от 3 броя за метрична ISO резба с нормална стъпка по DIN 13, Клас на точност 6H шлифован профил, DIN 352 - M



d	p mm	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
M2	0.4	36	8	2.8	2.1	3	
M2.2	0.45	36	9	2.8	2.1	3	
M2.5	0.45	40	9	2.8	2.1	3	
M2.6	0.45	40	9	2.8	2.1	3	
M3	0.5	40	11	3.5	2.3	3	
M3.5	0.6	45	13	4.0	3.0	3	
M4	0.7	45	13	4.5	4.0	3	
M4.5	0.75	50	16	6.0	4.9	3	
M5	0.8	50	16	6.0	4.9	3	
M6	1	50	19	6.0	4.9	3	
M7	1	50	19	6.0	4.9	3	
M8	1.25	56	22	6.0	4.9	4	
M9	1.25	63	22	7.0	5.5	4	
M10	1.5	70	24	7.0	5.5	4	
M11	1.5	70	24	8.0	6.2	4	
M12	1.75	75	29	9.0	7.0	4	

d	p mm	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
M14	2	80	30	11.0	9.0	4	
M16	2	80	32	12.0	9.0	4	
M18	2.5	95	40	14.0	11.0	4	
M20	2.5	95	40	16.0	12.0	4	
M22	2.5	100	40	18.0	14.5	4	
M24	3	110	50	18.0	14.5	4	
M27	3	110	50	20.0	16.0	4	
M30	3.5	125	56	22.0	18.0	4	
M33	3.5	125	56	25.0	20.0	4	
M36	4	150	63	28.0	22.0	4	
M39	4	150	63	32.0	24.0	4	
M42	4.5	150	63	32.0	24.0	4	
M45	4.5	160	70	36.0	29.0	6	
M48	5	180	75	36.0	29.0	6	
M52	5	180	75	40.0	32.0	6	

Метчици ръчни комплект от 2 броя, за тръбна цилиндрична резба по DIN ISO 228 шлифован профил, DIN 5157-G

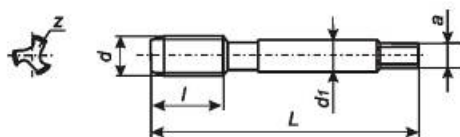


d	брой нав. в 1"	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
G1/8"	28	63	20	7	5.5	3	
G1/4"	19	70	22	11	9.0	4	
G3/8"	19	70	22	12	9.0	4	
G1/2"	14	80	22	16	12.0	4	
G5/8"	14	80	22	18	14.5	4	
G3/4"	14	90	22	20	16.0	4	
G7/8"	14	90	22	22	18.0	4	
G1"	11	100	25	25	20.0	4	

d	брой нав. в 1"	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
G1 1/8"	11	125	40	28	22.0	4	
G1 1/4"	11	125	40	32	24.0	4	
G1 3/8"	11	140	40	36	29.0	4	
G1 1/2"	11	140	40	36	29.0	6	
G1 5/8"	11	140	40	40	32.0	6	
G1 3/4"	11	140	40	40	32.0	6	
G2"	11	160	40	45	35.0	8	



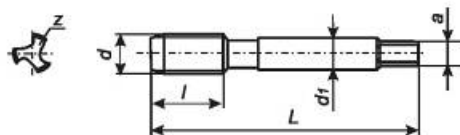
Метчици ръчни за метрична резба с нормална стъпка по DIN 13, Клас на точност: 2 /6H/ шлифован профил, Форма А 6-8 навивки захв. конус, Форма D 4-5 навивки захв. конус, Форма С 1-2 навивки захв. конус, DIN 529 - M



d	p mm	L mm	l ₁ mm	l ₂ mm	d ₁ mm	a mm	Z	цена лв.
M2	0.4	41	8	5	2.5	2.0	3	
M2.2	0.45	44.5	9.5	6	2.8	2.24	3	
M2.5	0.45	44.5	9.5	6	2.8	2.24	3	
M2.6	0.45	44.5	9.5	6	2.8	2.24	3	
M3	0.5	48	11	7	3.15	2.5	3	
M3.5	0.6	50	13	7	3.55	2.8	3	
M4	0.7	53	13	8	4.0	3.15	3	
M4.5	0.75	53	13	8	4.5	3.55	3	
M5	0.8	58	16	9	5.0	4.0	3	
M6	1	66	19	11	6.3	5.0	3	
M7	1	66	19	11	7.1	5.6	4	
M8	1.25	72	22	13	8.0	6.3	4	
M9	1.25	72	22	14	9.0	7.1	4	
M10	1.5	72	24	15	10.0	7.5	4	
M11	1.5	80	25		8.0	6.3	4	
M12	1.75	85	29		9.0	7.1	4	

d	p mm	L mm	l ₁ mm	l ₂ mm	d ₁ mm	a mm	Z	цена лв.
M14	2	95	30		11.2	9.0	4	
M16	2	102	32		12.5	10.0	4	
M18	2.5	112	37		14.0	11.2	4	
M20	2.5	112	37		14.0	11.2	4	
M22	2.5	118	38		16.0	12.5	4	
M24	3	130	45		18.0	14.0	4	
M27	3	135	45		20.0	16.0	4	
M30	3.5	138	48		20.0	16.0	4	
M33	3.5	151	51		22.4	18.0	4	
M36	4.0	162	57		25.0	20.0	4	
M39	4.0	170	60		28.0	24.4	6	
M42	4.5	170	60		28.0	22.4	6	
M45	4.5	187	67		31.5	25.0	6	
M48	5.0	187	67		31.5	25.0	6	
M52	5.0	200	70		35.5	28.0	6	

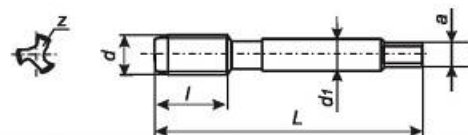
Метчици машинни за тръбна цилиндрична резба по DIN ISO 228 шлифован профил, Форма А 6-8 навивки захв. конус, Форма D 4-5 навивки захв. конус, Форма С 1-2 навивки захв. конус, DIN 2284-G (BSPF)



d	брой нав. в 1"	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
G1/8"	28	59	15	8.0	6.3	4	
G1/4"	19	67	19	10.0	8.0	4	
G3/8"	19	75	21	12.5	10.0	4	
G1/2"	14	87	26	16.0	12.5	4	
G5/8"	14	91	26	18.0	14.0	4	
G3/4"	14	96	28	20.0	16.0	4	
G7/8"	14	102	29	22.4	18.0	4	

d	брой нав. в 1"	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
G1"	11	109	33	25.0	20.0	6	
G1 1/4"	11	119	36	31.5	25.0	6	
G1 1/2"	11	125	37	35.5	28.0	6	
G1 3/4"	11	132	39	35.5	28.0	6	
G2"	11	140	41	40.0	31.5	6	

Метчици машинни за метрична резба със ситна стъпка по DIN 13, Клас на точност: 2 /6H/ шлифован профил, Форма А 6-8 навивки захв. конус, Форма D 4-5 навивки захв. конус, Форма С 1-2 навивки захв. конус, DIN 529 - Mf



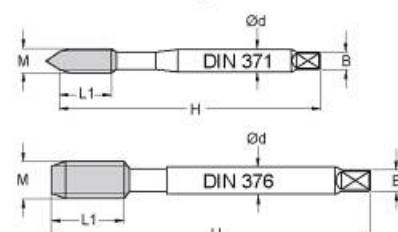
d	p mm	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
M3	0.35	40	9	3.5	2.7	3	
M3,5	0.35	45	10	4	3.0	3	
M4	0.35	45	10	4.5	3.4	3	
M4	0.5	45	10	4.5	3.4	3	
M4,5	0.5	50	12	6	4.9	3	
M5	0.5	50	12	6	4.9	3	
M5,5	0.5	50	12	6	4.9	3	
M6	0.5	50	14	6	4.9	3	
M6	0.75	50	14	6	4.9	3	
M7	0.75	50	14	6	4.9	3	
M8	0.75	50	19	6	4.9	4	
M8	1.0	56	22	6	4.9	4	
M9	0.75	56	19	7	5.5	4	
M9	1.0	63	20	7	5.5	4	
M10	0.75	63	20	7	5.5	4	
M10	1.0	63	20	7	5.5	4	
M10	1.25	70	24	7	5.5	4	
M11	0.75	63	20	8	6.2	4	
M11	1.0	63	20	8	6.2	4	
M11	1.25	63	22	8	6.2	4	
M12	1.0	70	22	9	7.0	4	
M12	1.25	70	22	9	7.0	4	
M12	1.5	70	22	9	7.0	4	
M13	1.0	70	22	11	9.0	4	
M13	1.5	70	22	11	9.0	4	
M14	1.0	70	22	11	9.0	4	
M14	1.25	70	22	11	9.0	4	
M14	1.5	70	22	11	9.0	4	
M15	1.0	70	22	12	9	4	
M15	1.5	70	22	12	9	4	
M16	1.0	70	22	12	9	4	
M16	1.5	70	22	12	9	4	
M17	1.0	70	22	12	9	4	
M17	1.5	70	22	12	9	4	
M18	1.0	80	22	14	11	4	
M18	1.25	80	22	14	11	4	
M18	1.5	80	22	14	11	4	
M18	2.0	80	22	14	11	4	
M20	1.0	80	22	16	12	4	
M20	1.5	80	22	16	12	4	
M20	2.0	80	22	16	12	4	
M22	1.0	80	22	18	1.45	4	
M22	1.5	80	22	18	1.45	4	
M22	2.0	80	22	18	1.45	4	
M23	1.5	80	22	18	1.45	4	
M24	1.0	90	22	18	1.45	4	
M24	1.5	90	22	18	1.45	4	

d	p mm	L mm	l mm	d ₁ mm	a mm	Z	цена лв.
M24	2.0	90	22	18	1.45	4	
M26	1.0	90	22	18	1.45	4	
M26	1.5	90	22	18	1.45	4	
M27	1.0	90	22	20	16	4	
M27	1.5	90	22	20	16	4	
M27	2.0	90	22	20	16	4	
M28	1.0	90	22	20	16	4	
M28	1.5	90	22	20	16	4	
M28	2.0	90	22	20	16	4	
M30	1.0	90	22	22	18	4	
M30	1.5	90	22	22	18	4	
M30	2.0	90	22	22	18	4	
M30	3.0	125	22	22	18	4	
M32	1.5	90	22	22	18	4	
M32	2.0	90	22	22	18	4	
M32	3.0	125	56	22	18	4	
M33	1.5	100	25	25	20	4	
M33	2.0	100	25	25	20	4	
M33	3.0	125	56	25	20	4	
M35	1.5	100	25	28	22	4	
M36	1.5	100	25	28	22	4	
M36	2.0	125	40	28	22	4	
M36	3.0	125	40	28	22	4	
M38	1.5	100	25	28	22	4	
M39	1.5	110	25	32	24	4	
M39	2.0	125	40	32	24	4	
M40	1.5	110	25	32	24	4	
M42	1.5	110	25	32	24	4	
M42	2.0	125	40	32	24	4	
M42	3.0	125	40	32	24	4	
M42	4.0	150	63	32	24	4	
M45	1.5	110	25	36	29	6	
M45	2.0	125	40	36	29	6	
M45	3.0	125	40	36	29	6	
M45	4.0	150	63	36	29	6	
M48	1.5	140	40	36	29	4	
M48	2.0	140	40	36	29	4	
M48	3.0	140	40	36	29	6	
M48	4.0	180	75	36	29	6	
M50	1.5	140	40	36	29	6	
M50	2.0	140	40	36	29	6	
M50	3.0	140	40	36	29	6	
M52	1.5	140	40	40	32	6	
M52	2.0	140	40	40	32	6	
M52	3.0	140	40	40	32	6	
M52	4.0	180	75	40	32	6	

МЕТЧИЦИ МАШИНИ С ИЗНОСОУСТОЙЧИВО ПОКРИТИЕ ТТ ОТ МАТЕРИАЛ РМЗ

SAU-MSU020071STN M, SAU-MSU020076STN M

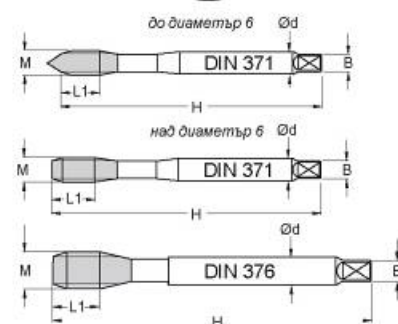
M mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371						
M3	0.5	3.5	10	56	2.7	
M4	0.7	4.5	13	63	3.4	
M5	0.8	6	13	70	4.9	
M6	1	6	16	80	4.9	
M8	1.25	8	18	90	6.2	
M10	1.5	10	20	100	8	
DIN 376						
M12	1.75	9	25	110	7	
M14	2	11	28	110	9	
M16	2	12	28	110	9	
M18	2.5	14	33	125	11	
M20	2.5	16	33	140	12	



M mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
M22	2.5	18	33	140	14.5	
M24	3	18	39	160	14.5	

SAU-MSU150071STN M, SAU-MSU150076STN M

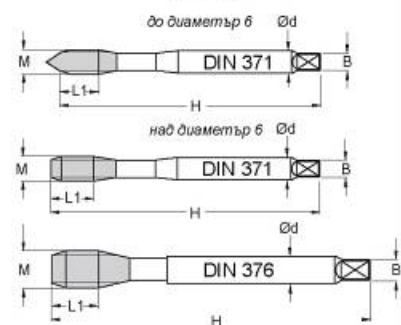
M mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371						
M3	0.5	3.5	5	56	2.7	
M4	0.7	4.5	7	63	3.4	
M5	0.8	6	8	70	4.9	
M6	1	6	10	80	4.9	
M8	1.25	8	13	90	6.2	
M10	1.5	10	15	100	8	
DIN 376						
M12	1.75	9	18	110	7	
M14	2	11	20	110	9	
M16	2	12	20	110	9	
M18	2.5	14	25	125	11	
M20	2.5	16	25	140	12	
M22	2.5	18	25	140	14.5	
M24	3	18	30	160	14.5	



M mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
M27	3	20	30	160	16	
M30	3.5	22	35	180	18	

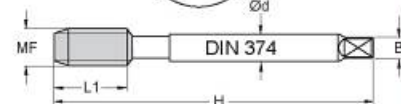
SAU-MSU150071STNW M, SAU-MSU150076STNW M - с вътрешно охлаждане

M mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371						
M6	1	6	10	80	4.9	
M8	1.25	8	13	90	6.2	
M10	1.5	10	15	100	8	
DIN 376						
M12	1.75	9	18	110	7	
M14	2	11	20	110	9	
M16	2	12	20	110	9	
M18	2.5	14	25	125	11	
M20	2.5	16	25	140	12	
M22	2.5	18	25	140	14.5	
M24	3	18	30	160	14.5	
M27	3	20	30	160	16	
M30	3.5	22	35	180	18	



SAU-MSU020174STN MF

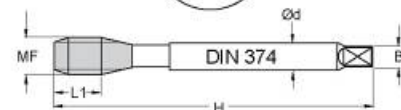
код	MF mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 374							
MF8X1	8	1	6	18	90	4.9	
MF10X1	10	1	7	15	90	5.5	
MF10X1.25	10	1.25	7	20	100	5.5	
MF12X1.25	12	1.25	9	22	100	7	
MF12X1.5	12	1.5	9	22	100	7	
MF14X1.5	14	1.5	11	22	100	9	
MF16X1.5	16	1.5	12	22	100	9	
MF18X1.5	18	1.5	14	25	110	11	
MF20X1.5	20	1.5	16	25	125	12	



код	MF mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
MF22X1.5	22	1.5	18	25	125	14.5	
MF24X1.5	24	1.5	18	25	140	14.5	

SAU-MSU150174STN MF

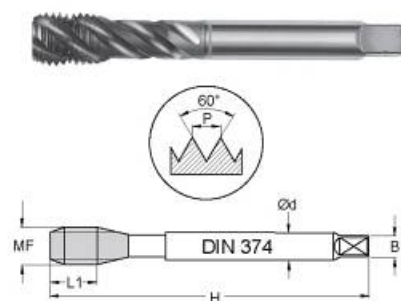
код	MF mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 374							
MF8X1	8	1	6	13	90	4.9	
MF10X1	10	1	7	15	90	5.5	
MF10X1.25	10	1.25	7	15	100	5.5	
MF12X1	12	1	9	13	100	7	
MF12X1.25	12	1.25	9	13	100	7	
MF12X1.5	12	1.5	9	13	100	7	
MF14X1.5	14	1.5	11	15	100	9	
MF16X1.5	16	1.5	12	15	100	9	
MF18X1.5	18	1.5	14	17	110	11	
MF20X1.5	20	1.5	16	17	125	12	



код	MF mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
MF22X1.5	22	1.5	18	18	125	14.5	
MF24X1.5	24	1.5	18	20	140	14.5	

SAU-MSU150174STNW MF - с вътрешно охлаждане

код	MF mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 374							
MF8X1	8	1	6	13	90	4.9	
MF10X1	10	1	7	15	90	5.5	
MF10X1.25	10	1.25	7	15	100	5.5	
MF12X1	12	1	9	13	100	7	
MF12X1.25	12	1.25	9	13	100	7	
MF12X1.5	12	1.5	9	13	100	7	
MF14X1.5	14	1.5	11	15	100	9	
MF16X1.5	16	1.5	12	15	100	9	
MF18X1.5	18	1.5	14	17	110	11	
MF20X1.5	20	1.5	16	17	125	12	



код	MF mm	P mm	Ød mm	L ₁ mm	H mm	B mm	цена лв.
MF22X1.5	22	1.5	18	18	125	14.5	
MF24X1.5	24	1.5	18	20	140	14.5	

SAU-MSU020371STN UNC, SAU-MSU020376STN UNC

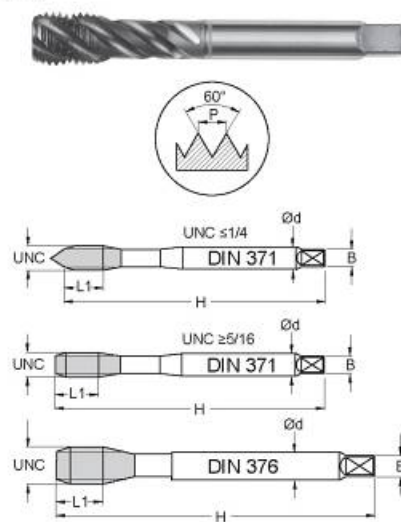
код	UNC (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371							
UNC 4-40	4	40	3.5	10	56	2.7	
UNC 5-40	5	40	3.5	10	56	2.7	
UNC 6-32	6	32	4	11	56	3	
UNC 8-32	8	32	4.5	13	63	3.4	
UNC 10-24	10	24	6	13	70	4.9	
UNC 1/4-20	1/4	20	7	16	80	5.5	
UNC 5/16-18	5/16	18	8	18	90	6.2	
UNC 3/8-16	3/8	16	10	20	100	8	
DIN 376							
UNC 7/16-14	7/16	14	8	20	100	6.2	
UNC 1/2-13	1/2	13	9	25	110	7	
UNC 9/16-12	9/16	12	11	28	110	9	
UNC 5/8-11	5/8	11	12	28	110	9	



код	UNC (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
UNC 3/4-10	3/4	10	14	32	125	11	
UNC 7/8-9	7/8	9	18	32	140	14.5	
UNC 1"-8	1"	8	18	36	160	14.5	

SAU-MSU150371STN UNC, SAU-MSU150376STN UNC

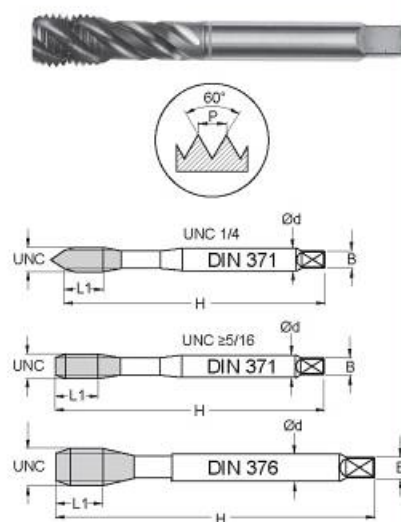
код	UNC (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371							
UNC 4-40	4	40	3.5	5	56	2.7	
UNC 5-40	5	40	3.5	5	56	2.7	
UNC 6-32	6	32	4	7	56	3	
UNC 8-32	8	32	4.5	7	63	3.4	
UNC 10-24	10	24	6	8	70	4.9	
UNC 1/4-20	1/4	20	7	10	80	5.5	
UNC 5/16-18	5/16	18	8	13	90	6.2	
UNC 3/8-16	3/8	16	10	15	100	8	
DIN 376							
UNC 7/16-14	7/16	14	8	15	100	6.2	
UNC 1/2-13	1/2	13	9	18	110	7	
UNC 9/16-12	9/16	12	11	20	110	9	
UNC 5/8-11	5/8	11	12	20	110	9	
UNC 3/4-10	3/4	10	14	25	125	11	



код	UNC (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
UNC 7/8-9	7/8	9	18	25	140	14.5	
UNC 1"-8	1"	8	18	30	160	14.5	

SAU-MSU150371STNW UNC, SAU-MSU150376STNW UNC - с вътрешно охлаждане

код	UNC (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371							
UNC 1/4-20	1/4	20	7	10	80	5.5	
UNC 5/16-18	5/16	18	8	13	90	6.2	
UNC 3/8-16	3/8	16	10	15	100	8	
DIN 376							
UNC 7/16-14	7/16	14	8	15	100	6.2	
UNC 1/2-13	1/2	13	9	18	110	7	
UNC 9/16-12	9/16	12	11	20	110	9	
UNC 5/8-11	5/8	11	12	20	110	9	
UNC 3/4-10	3/4	10	14	25	125	11	
UNC 7/8-9	7/8	9	18	25	140	14.5	
UNC 1"-8	1"	8	18	30	160	14.5	



SAU-MSU020471STN UNF, SAU-MSU020474STN UNF

код	UNF (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371							
UNF 4-48	4	48	3.5	10	56	2.7	
UNF 6-40	6	40	4	11	56	3	
UNF 8-36	8	36	4.5	13	63	3.4	
UNF 10-32	10	32	6	13	70	4.9	
UNF 1/4-28	1/4	28	7	16	80	5.5	
DIN 374							
UNF 5/16-24	5/16	24	6	18	90	4.9	
UNF 3/8-24	3/8	24	7	15	90	5.5	
UNF 7/16-20	7/16	20	8	20	100	6.2	
UNF 1/2-20	1/2	20	9	20	100	7	
UNF 9/16-18	9/16	18	11	22	100	9	
UNF 5/8-18	5/8	18	12	22	100	9	
UNF 3/4-16	3/4	16	14	25	110	11	



код	UNF (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
UNF 7/8-14	7/8	14	18	25	125	14.5	
UNF 1"-12	1"	12	18	28	140	14.5	

метчици машинни с износостойчиво покритие TT от материал PM3



SAU-MSU150471STN UNF, SAU-MSU150474STN UNF

код	UNF (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371							
UNF 4-48	4	48	3.5	5	56	2.7	
UNF 6-40	6	40	4	7	56	3	
UNF 8-36	8	36	4.5	7	63	3.4	
UNF 10-32	10	32	6	8	70	4.9	
UNF 1/4-28	1/4	28	7	10	80	5.5	
DIN 374							
UNF 5/16-24	5/16	24	6	13	90	4.9	
UNF 3/8-24	3/8	24	7	15	90	5.5	
UNF 7/16-20	7/16	20	8	15	100	6.2	
UNF 1/2-20	1/2	20	9	13	100	7	
UNF 9/16-18	9/16	18	11	15	100	9	
UNF 5/8-18	5/8	18	12	15	100	9	
UNF 3/4-16	3/4	16	14	17	110	11	



код	UNF (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
UNF 7/8-14	7/8	14	18	18	125	14.5	
UNF 1"-12	1"	12	18	22	140	14.5	

SAU-MSU150471STNW UNF, SAU-MSU150474STNW UNF - с вътрешно охлаждане

код	UNF (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 371							
UNF 1/4-28	1/4	28	7	10	80	5.5	
DIN 374							
UNF 5/16-24	5/16	24	6	13	90	4.9	
UNF 3/8-24	3/8	24	7	15	90	5.5	
UNF 7/16-20	7/16	20	8	15	100	6.2	
UNF 1/2-20	1/2	20	9	13	100	7	
UNF 9/16-18	9/16	18	11	15	100	9	
UNF 5/8-18	5/8	18	12	15	100	9	
UNF 3/4-16	3/4	16	14	17	110	11	
UNF 7/8-14	7/8	14	18	18	125	14.5	
UNF 1"-12	1"	12	18	22	140	14.5	



SAU-MSU020256STN G

код	G (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 5156							
G1/8-28	1/8	28	7	15	90	5.5	
G1/4-19	1/4	19	11	22	100	9	
G3/8-19	3/8	19	12	22	100	9	
G1/2-14	1/2	14	16	25	125	12	
G3/4-14	3/4	14	20	25	140	16	



SAU-MSU150256STN G

код	G (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 5156							
G1/8-28	1/8	28	7	15	90	5.5	
G1/4-19	1/4	19	11	15	100	9	
G3/8-19	3/8	19	12	15	100	9	
G1/2-14	1/2	14	16	18	125	12	
G3/4-14	3/4	14	20	20	140	16	
G1"-11	1	11	25	24	160	20	

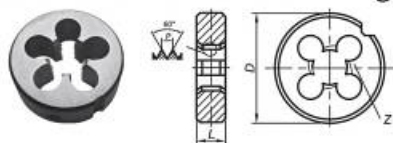
SAU-MSU150256STNW G - с вътрешно охлаждане

код	G (")	P tpi	Ød mm	L ₁ mm	H mm	B mm	цена лв.
DIN 5156							
G1/8-28	1/8	28	7	15	90	5.5	
G1/4-19	1/4	19	11	15	100	9	
G3/8-19	3/8	19	12	15	100	9	
G1/2-14	1/2	14	16	18	125	12	
G3/4-14	3/4	14	20	20	140	16	
G1"-11	1	11	25	24	160	20	



ПЛАШКИ

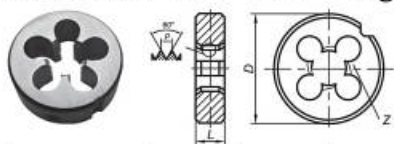
Плашки кръгли за метрична ISO резба с нормална стъпка по DIN 13,
Клас на точност - 6g, Форма В, DIN EN 22 568 (DIN 223), М



d	P mm	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
M2	0.4	16	5	3		
M2.2	0.45	16	5	3		
M2.5	0.45	16	5	3		
M3	0.5	20	5	3		
M3.5	0.6	20	5	3		
M4	0.7	50	5	3		
M4.5	0.75	20	7	3		
M5	0.8	20	7	4		
M5.5	0.9	20	7	4		
M6	1	20	7	4		
M7	1	25	9	4		
M8	1.25	25	9	4		
M9	1.25	25	9	4		
M10	1.5	30	11	4		
M11	1.5	30	11	5		
M12	1.75	38	14	4		

d	P mm	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
M14	2	38	14	5		
M16	2	45	18	5		
M18	2.5	45	18	5		
M20	2.5	45	18	6		
M22	2.5	55	22	5		
M24	3	55	22	5		
M27	3	65	25	6		
M30	3.5	65	25	6		
M33	3.5	65	25	7		
M36	4	65	25	7		
M39	4	75	30	7		
M42	4.5	75	30	7		
M45	4.5	90	36	7		
M48	5	90	36	7		
M52	5	90	36	8		
M56	5.5	105	36	7		

Плашки кръгли за метрична ISO резба със ситна стъпка по DIN 13,
Клас на точност - 6g, Форма B, DIN EN 22 568 (DIN 223), Mf

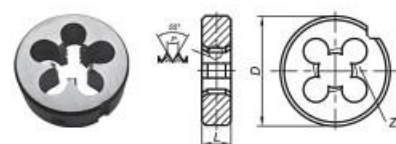


d	P mm	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
M4x0.35	0.35	20	5	3		
M4x0.5	0.5	20	5	3		
M5x0.5	0.5	20	5	4		
M5x0.75	0.75	20	7	4		
M6x0.5	0.5	20	5	4		
M6x0.75	0.75	20	7	4		
M7x0.75	0.75	25	9	4		
M8x0.5	0.5	25	9	4		
M8x0.75	0.75	25	9	4		
M8x1	1	25	9	4		
M9x0.75	0.75	25	9	4		
M9x1	1	25	9	4		
M10x0.75	0.75	30	11	4		
M10x1	1	30	11	4		
M10x1.25	1.25	30	11	4		
M11x1	1	30	11	5		
M11x1.25	1.25	30	11	5		
M12x0.75	0.75	38	10	4		
M12x1	1	38	10	4		
M12x1.25	1.25	38	10	4		
M12x1.5	1.5	38	10	4		
M13x1	1	38	10	5		
M13x1.5	1.5	38	10	5		
M14x0.75	0.75	38	10	5		
M14x1	1	38	10	5		
M14x1.25	1.25	38	10	5		
M14x1.5	1.5	38	10	5		
M15x1	1	38	10	5		
M15x1.5	1.5	38	10	5		
M16x1	1	45	14	5		
M16x1.25	1.25	45	14	5		
M16x1.5	1.5	45	14	5		
M18x1	1	45	14	5		
M18x1.25	1.25	45	14	5		
M18x1.5	1.5	45	14	5		
M18x2	2	45	14	5		
M20x1	1	45	14	6		
M20x1.25	1.25	45	14	6		
M20x1.5	1.5	45	14	6		
M20x2	2	45	14	6		
M21x1.5	1.5	45	14	6		
M22x1	1	55	16	5		
M22x1.25	1.25	55	16	5		
M22x1.5	1.5	55	16	5		
M22x2	2	55	16	5		
M24x1	1	55	16	5		
M24x1.25	1.25	55	16	5		
M24x1.5	1.5	55	16	5		
M24x2	2	55	16	5		
M25x1	1	55	16	5		

d	P mm	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
M25x1.5	1.5	55	16	5		
M26x1	1	55	16	6		
M26x1.5	1.5	55	16	6		
M26x2	2	55	16	6		
M27x1	1	65	18	6		
M27x1.5	1.5	65	18	6		
M27x2	2	65	18	6		
M28x1	1	65	18	6		
M28x1.5	1.5	65	18	6		
M28x2	2	65	18	6		
M29x1.5	1.5	65	18	6		
M30x1	1	65	18	6		
M30x1.5	1.5	65	18	6		
M30x2	2	65	18	6		
M30x2.5	2.5	65	18	6		
M30x3	3	65	25	6		
M32x1.5	1.5	65	18	7		
M32x2	2	65	18	7		
M32x3	3	65	25	7		
M33x1.5	1.5	65	18	7		
M33x2	2	65	18	7		
M33x3	3	65	25	7		
M34x1.5	1.5	65	18	7		
M34x2	2	65	18	7		
M35x1.5	1.5	65	18	7		
M36x1.5	1.5	65	18	7		
M36x2	2	65	18	7		
M36x3	3	65	25	7		
M38x1.5	1.5	75	20	7		
M39x1.5	1.5	75	20	7		
M39x2	2	75	20	7		
M39x3	3	75	30	7		
M40x1.5	1.5	75	20	7		
M40x2	2	75	20	7		
M40x3	3	75	30	7		
M42x1.5	1.5	75	20	7		
M42x2	2	75	20	7		
M42x3	3	75	30	7		
M45x1.5	1.5	90	22	7		
M45x2	2	90	22	7		
M45x3	3	90	36	7		
M48x1.5	1.5	90	22	7		
M48x2	2	90	22	7		
M48x3	3	90	36	7		
M50x1.5	1.5	90	22	8		
M50x2	2	90	22	8		
M50x3	3	90	36	8		
M52x1.5	1.5	90	22	8		
M52x2	2	90	22	8		
M52x3	3	90	36	8		

Плашки кръгли за витвортова резба по BS 84, Форма B, DIN EN 22 568 (DIN 223), BSW

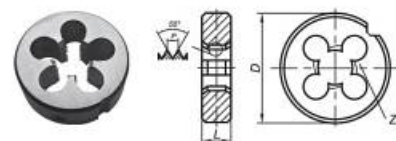
d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
BSW1/8	40	20	5	3		
BSW5/32	32	20	5	3		
BSW3/16	24	20	7	3		
BSW7/32	24	20	7	4		
BSW1/4	20	20	7	4		
BSW5/16	18	25	9	4		
BSW3/8	16	30	11	4		
BSW7/16	14	30	11	4		
BSW1/2	12	38	14	4		
BSW9/16	12	38	14	4		
BSW5/8	11	45	18	4		
BSW3/4	10	45	18	5		
BSW7/8	9	55	22	5		



d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
BSW1	8	55	22	5		
BSW1 1/8	7	65	25	6		
BSW1 1/4	7	65	25	7		
BSW1 3/8	6	65	25	7		
BSW1 1/2	6	65	25	7		
BSW1 1/2	6	75	30	7		
BSW1 5/8	5	75	30	7		
BSW1 3/4	5	90	36	7		
BSW1 7/8	4 1/2	90	36	7		
BSW2x4 1/2	4 1/2	90	36	8		

Плашки кръгли за витвортова резба по BS 84, Форма B, DIN EN 22 568 (DIN 223), BSF

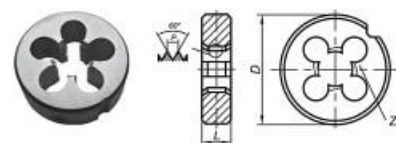
d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
BSF3/16	32	20	7	3		
BSF1/4	26	20	7	4		
BSF5/16	22	25	9	4		
BSF3/8	20	30	11	4		
BSF7/16	18	30	11	4		
BSF1/2	16	38	10	5		
BSF9/16	16	38	10	5		



d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
BSF5/8	14	45	14	5		
BSF3/4	12	45	14	5		
BSF7/8	11	55	22	5		
BSF1	10	55	22	9		

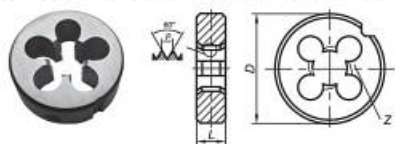
Плашки кръгли за унифицирана резба по ANSI B1.1, Форма B, DIN EN 22 568 (DIN 223), UNC

d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
UNC Nr.4	40	20	5	3		
UNC Nr.5	40	20	5	3		
UNC Nr.6	32	20	7	3		
UNC Nr.8	32	20	7	3		
UNC Nr.10	24	20	7	3		
UNC Nr.12	24	20	7	4		
UNC1/4	20	20	7	4		
UNC5/16	18	25	9	4		
UNC 3/8	16	30	11	4		
UNC7/16	14	30	11	4		
UNC1/2	13	38	14	4		
UNC9/16	12	38	14	4		
UNC5/8	11	45	18	4		
UNC3/4	10	45	18	5		



d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
UNC7/8	9	55	22	5		
UNC1	8	55	22	5		
UNC1 1/8	7	65	25	6		
UNC1 1/4	7	65	25	6		
UNC1 3/8	6	65	25	7		
UNC1 1/2	6	65	25	7		
UNC1 1/2	6	75	30	7		
UNC1 5/8	5	75	30	7		
UNC1 3/4	5	90	36	7		
UNC1 7/8	4 1/2	90	36	7		
UNC2	4 1/2	90	36	7		

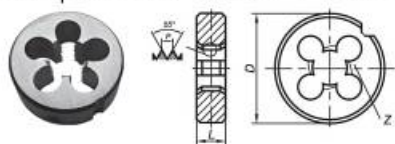
Плашки кръгли за унифицирана резба по ANSI B1.1, Форма В,
DIN EN 22 568 (DIN 223), UNF



d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
UNF Nr.4	48	20	5	3		
UNF Nr.5	44	20	5	3		
UNF Nr.6	40	20	5	3		
UNF Nr.8	36	20	7	3		
UNF Nr.10	32	20	7	3		
UNF Nr.12	28	20	7	4		
UNF1/4	28	20	7	4		
UNF5/16	24	25	9	4		
UNF3/8	24	30	11	4		
UNF7/16	20	30	11	4		
UNF1/2	20	38	10	5		

d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
UNF9/16	18	38	10	5		
UNF5/8	18	45	14	5		
UNF3/4	16	45	14	5		
UNF7/8	14	55	16	6		
UNF1	12	55	16	6		
UNF1	14	55	16	6		
UNF1 1/8	12	65	18	6		
UNF1 1/4	12	65	18	6		
UNF1 3/8	12	65	18	7		
UNF1 1/2	12	65	18	8		
UNF1 1/2	12	75	20	8		

Плашки кръгли за тръбна цилиндрична резба по DIN ISO 228,
Форма В, DIN EN 24 231 (DIN 5158), G

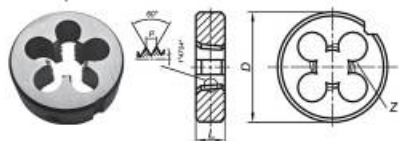


d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
G1/8	28	30	11	4		
G1/4	19	38	10	4		
G3/8	19	45	14	5		
G1/2	14	45	14	5		
G5/8	14	55	16	5		
G3/4	14	55	16	6		
G7/8	14	65	18	6		
G1	11	65	18	6		
G1 1/8	11	75	20	7		
G1 1/4	11	75	20	7		
G1 3/8	11	90	22	7		

d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
G1 1/2	11	90	22	7		
G1 5/8	11	90	22	7		
G1 3/4	11	105	22	7		
G2	11	90	22	10		
G2	11	105	22	9		
G2 1/4	11	120	22	10		
G2 1/2	11	120	22	10		
G2 3/4	11	120	22	12		
G3	11	130	25	10		
G3 1/2	11	150	25	12		
G4	11	160	25	13		



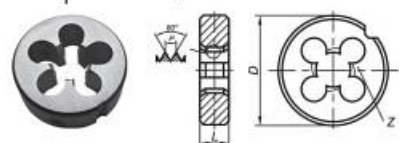
Плашки кръгли за тръбна конусна резба с конус 1:16 по ANSI B1.20.1, Форма В, DIN EN 22 568 (DIN 223), NPT



d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
NPT1/16	27	25	9	4		
NPT1/8	27	30	11	5		
NPT1/4	18	38	14	5		
NPT3/8	18	45	14	5		
NPT1/2	14	45	18	6		

d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
NPT3/4	14	55	22	6		
NPT1	11.5	65	25	7		
NPT1 1/4	11.5	75	26	8		
NPT1 1/2	11.5	90	27	8		
NPT2	11.5	105	28	9		

Плашки кръгли за електроарматурна резба по DIN 40 430, Форма В, DIN 40 434, PG



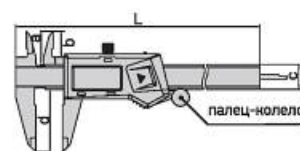
d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
PG7	20	38	10	4		
PG9	18	45	14	5		
PG11	18	45	14	5		
PG13.5	18	45	14	5		
PG16	18	55	16	5		

d	P (")	D mm	L mm	Z	цена, лв.	
					HSS	HSSE
PG21	16	65	18	5		
PG29	16	65	18	7		
PG36	16	90	22	7		
PG42	16	105	22	8		
PG48	16	105	22	8		

ИЗМЕРВАТЕЛНИ УРЕДИ

Електронен шублер

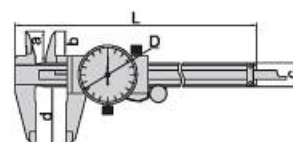
Обхват mm	Точност mm	L	a	b	c	d	цена лв.
0-150	±0.03	236	21	16	16	40	
0-200	±0.03	286	24	19	16	50	
0-300	±0.03	400	25	20.5	17	60	
0-500	±0.03	530	32	0	18	75	



измервателни уреди

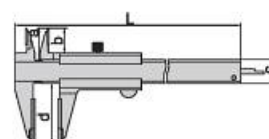
Индикаторен шублер

Обхват mm	Точност mm	L	a	b	c	d	D	цена лв.
градуиране 0,02mm								
0-150	±0.03	233	21	16.5	16	40	39	
0-200	±0.03	288	24	19	16	50	44	
0-300	±0.03	390	30	25	20	64	44	
градуиране 0,01mm								
0-150	±0.03	233	21	16.5	16	40	39	
0-200	±0.03	288	24	19	16	50	39	
0-300	±0.03	390	24	19.5	17	64	39	



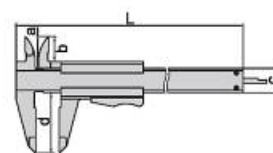
Шублер

Обхват mm	Точност mm	L	a	b	c	d	цена лв.
градуиране 0,02mm							
0-150	±0.03	235	20.5	15.5	16	40	
0-200	±0.03	290	23.6	19	16	50	
0-300	±0.03	414	27.5	22	20	64	
градуиране 0,05mm							
0-150	±0.05	235	20.5	15.5	16	40	
0-200	±0.05	290	23.6	19	16	50	
0-300	±0.05	414	27.5	22	20	64	



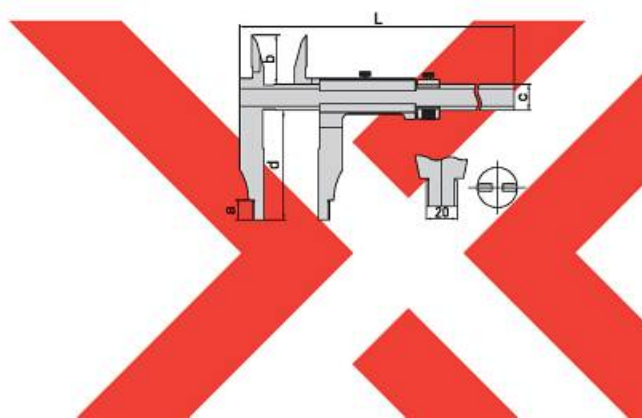
Шублер с палец

Обхват mm	Точност mm	L	a	b	c	d	цена лв.
градуиране 0,05mm							
0-150	±0.05	230	20.5	16.5	16	40	
0-200	±0.05	295	23.5	19	16	50	



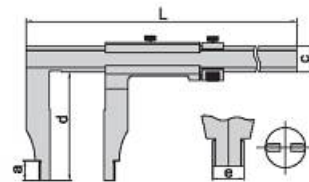
Шублер с голям обхват и обратни челюсти

Обхват mm	Точност mm	L	a	b	c	d	цена лв.
градуиране 0,02mm							
0-500	±0.05	670	18	45	24	100	
0-1000	±0.08	1230	24	60	31	150	
градуиране 0,05mm / 1/128"							
0-600 / 0-24"	±0.08	770	18	45	24	100	
0-1000 / 0-40"	±0.12	1230	24	60	31	150	



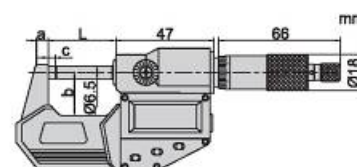
Шублер с голям обхват

Обхват mm	Точност mm	L	a	c	d	e	цена лв.
градуиране 0,02mm							
0-500	±0.06	670	18	24	150	20	
0-1000	±0.08	1230	24	31	150	20	
градуиране 0,05mm / 1/128"							
0-300 / 0-12"	±0.07	410	12	20	90	10	
0-500 / 0-20"	±0.08	670	18	24	75	20	
0-500 / 0-20"	±0.08	670	18	24	100	20	
0-500 / 0-20"	±0.08	670	18	24	150	20	
0-800 / 0-32"	±0.09	1030	24	31	150	20	
0-1000 / 0-40"	±0.12	1230	24	31	150	20	
0-1000 / 0-40"	±0.12	1230	24	31	200	20	



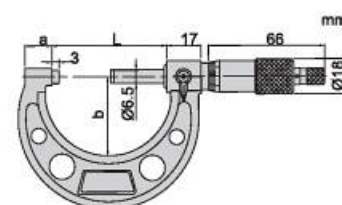
Електронен микрометър

Обхват mm	Точност µm	L	a	b	c	цена лв.
резолюция 0,001mm						
0-25	±2	32.5	6	24	3	
25-50	±2	57.5	8	32	3	
50-75	±3	82.5	8	44.5	3	
75-100	±3	107.5	8	57	3	



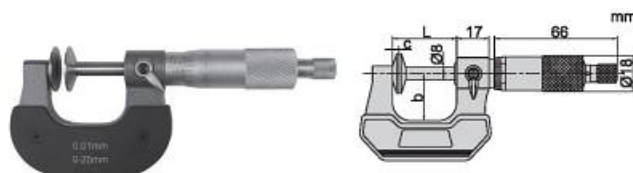
Микрометър

Обхват mm	Точност µm	L	a	b	цена лв.
градуиране 0,01mm					
0-25	4	32	9	28	
25-50	5	57	14	38	
50-75	5	82	15	49	
75-100	9	107	15	60	
100-125	6	133	16.5	73	
125-150	6	158	16.5	85	
150-175	7	183	19.4	104	
175-200	7	209	19.4	117	
200-225	8	234	19.4	130	
250-275	8	260	19.4	142	
250-275	9	285	19.4	155	
275-300	9	310	19.4	168	
300-400	9				
400-500	4				
500-600					
600-700					
700-800					
800-900					
900-1000					



Зъбомер

Обхват mm	Точност μm	L	b	c	D	S	d	цена лв.
градуиране 0,01 mm								
0-25	4	34	24	3.3	$\phi 20$	0.7	$\phi 8$	
25-50	4	59	32	3.3	$\phi 20$	0.7	$\phi 8$	
50-75								
75-100								



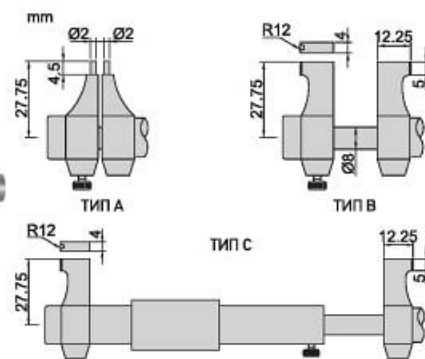
Микрометър резбомер

Обхват mm	Точност μm	L	a	цена лв.
0-25	± 4	39.5	25	
25-50	± 4	64.5	32	
50-75	± 4	90	45	
75-100	± 5	115.6	65	
100-125	± 5	140.6	79	
125-150	± 5	165.6	93	
150-175	± 6	190.5	105	



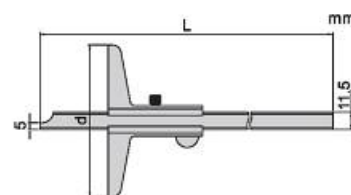
Микрометър вътрешно мерене

Обхват mm	Тип	настройващ пръстен	Точност μm	цена лв.
градуиране 0,01 mm				
5-30	A	5mm	5	
25-50	B	25mm	6	
50-75	B	-	7	
75-100	C	-	8	
100-125	C	-	9	
125-150	C	-	9	



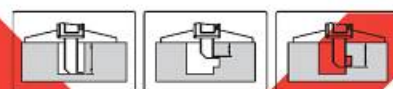
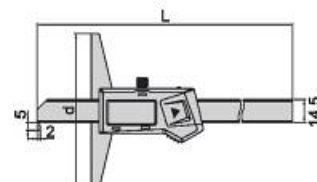
Шублер дълбокомер

Обхват mm	Точност mm	L	d	цена лв.
градуиране 0,05 mm				
0-150	± 0.05	245	100	
0-200	± 0.05	282	100	
0-300	± 0.08	382	100	



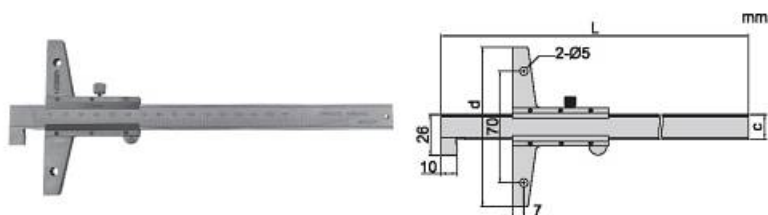
Електронен дълбокомер с кука

Обхват mm	Точност mm	L	d	цена лв.
градуиране 0,01 mm				
0-150	± 0.03	230	100	
0-200	± 0.03	280	100	
0-300	± 0.04	380	150	



Шублер дълбокомер с кука

Обхват mm	Точност mm	L	c	d	цена лв.
градуиране 0,05mm					
0-150	±0.05	240	16	100	
0-200	±0.05	290	16	100	
0-300	±0.08	390	16	100	
0-600	±0.10	704	18	150	
0-1000	±0.15	1124	18	200	



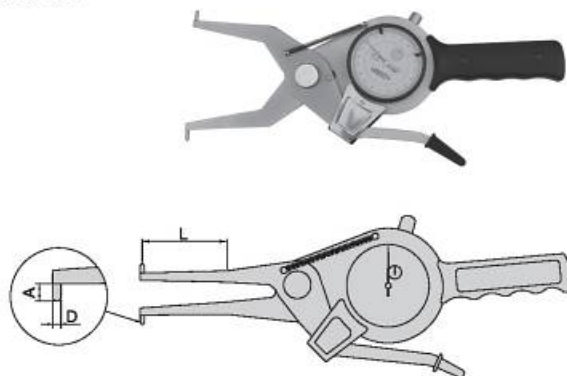
Микрометър дълбокомер

Обхват mm	Пръчки брой	цена лв.
градуиране 0,01mm		
0-25	1	
0-50	2	
0-100	4	
0-150	6	



Индикатор за измерване на вътрешни канали

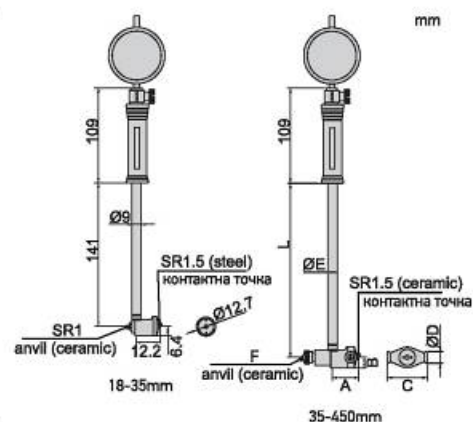
Обхват mm	Точност mm	L	A	D	цена лв.
градуиране 0,01mm					
15-35	±0.04	50	3	ø3	
15-35	±0.04	200	3	ø3	
35-55	±0.04	80	6	ø3	
35-55	±0.04	250	8	ø3	
55-75	±0.04	90	8	ø3	
55-75	±0.04	250	8	ø3	
75-95	±0.04	100	8	ø3	
95-115	±0.04	120	10	ø3.2	
115-135	±0.04	120	10	ø3.2	



Индикатор вътромер

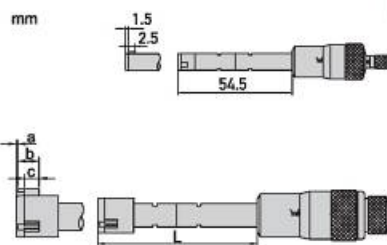


Обхват mm	Точност mm	Повторяемост mm	A	B	C	øD	øE	F	L	цена лв.
градуиране 0,01mm										
18-35	±0.015	0.003								
35-60	±0.018	0.003	12.2	6.4	27	13	12.8	SR2	130	
50-100	±0.018	0.003	26	9	27	13	12.8	SR2	130	
50-160	±0.018	0.003	26	9	35	13	12.8	SR2	130	
100-160	±0.018	0.003	26	9	35	13	12.8	SR2	130	
160-250	±0.018	0.003	56.5	13	74.4	15	12.8	SR2	230	
250-450	±0.018	0.003	86.5	15	101.5	15	14.5	SR2.5	230	



Триточков микрометър

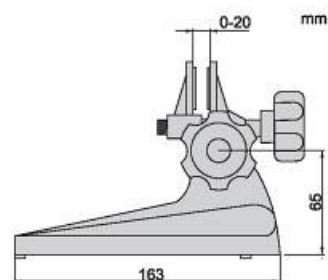
Обхват mm	Точност μm	Настройващ пръстен mm	удължаващ прът mm	L	a	b	c	цена лв.
градуиране 0,001 mm								
6-8	4	$\phi 6$	100					
8-10	4	$\phi 8$	100					
10-12	4	$\phi 10$	100					
градуиране 0,005 mm								
12-16	4	$\phi 16$	150	80	0.5	6	4.5	
16-20	4	$\phi 16$	150	80	0.5	6	4.5	
20-25	4	$\phi 25$	150	90	0.5	8	6	
25-30	4	$\phi 25$	150	90	0.5	8	6	
30-40	4	$\phi 40$	150	97	0.5	14	12	
40-50	5	$\phi 40$	150	97	0.5	14	12	
50-60	5	$\phi 60$	150					
60-70	5	$\phi 60$	150					
70-80	5	$\phi 80$	150					
80-90	5	$\phi 80$	150					
90-100	5	$\phi 90$	150					



измервателни уреди

Стойка за микрометър и пасиметър

*Подходяща за микрометри до 100mm



Двухрамна магнитна стойка

Магнитна сила kg	Отвор на дръжката mm	цена лв.
80	$\phi 8, \phi 4$	
80	$\phi 8, \phi 4$	
80	$\phi 8, \phi 4$	
130	$\phi 8, \phi 4$	



Трирамна магнитна стойка

Магнитна сила kg	Отвор на дръжката mm	цена лв.
80	$\phi 8$	



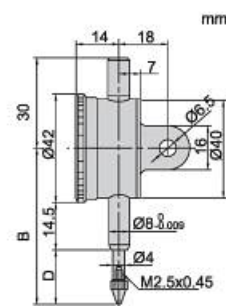
Еластична магнитна стойка

Магнитна сила kg	Отвор на дръжката mm	цена лв.
80	ø8, ø4	



Индикаторен часовник

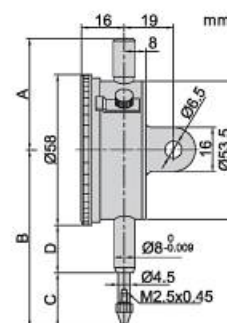
Обхват mm	Точност (f_{ges}) μm	Хистерезис (f_u) mm	Показания	цена лв.
градуиране 0,01mm				
5	3	0.5	0-5	
10	3	0.5	0-10	
30	3	0.5	0-30	
50	3	0.5	0-50	



Индикаторен часовник

Кръгла скала: $\varnothing 58\text{mm}$

Обхват mm	Точност µm	Показания	цена лв.
1	1	0-1	

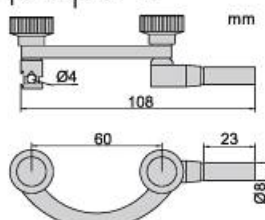


Електронен индикаторен часовник

Обхват mm	Точност µm	Показания	цена лв.
10	5	0-10	

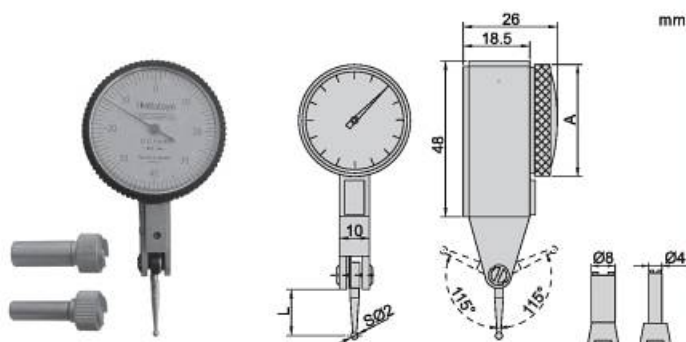


Държач за индикатор с чупещо краче



Индикаторен чуперцо кроче

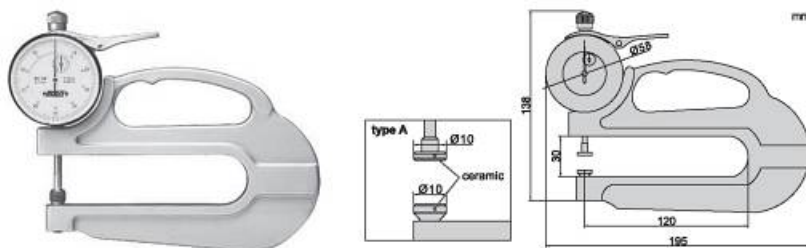
Обхват mm	Точност (f_{ges}) μm	Хистерезис (f_v) μm	A	L	цена лв.
градуиране 0,01mm					
0.8	13	3	ø30	16.5	
0.8	13	3	ø37.5	16.5	



измервателни уреди

Индикатор за измерване на дебелина

Обхват mm	Точност μm	Показания	цена лв.
10	10	0-10	



Метрични плоскопаралелни пластини

ISO3650 степен 2, 76 броя



Нивелир машинен

L mm	чувствителност mm/m	B	C	цена лв.
градуиране 0,01mm				
150	0.02	40	45	
200	0.02	42	47	
300	0.02	45	50	



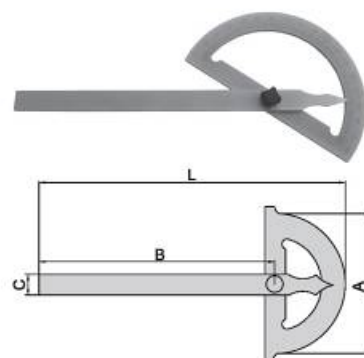
Нивелир

Обхват	Градуиран	цена, лв.
200x200mm	0.02mm/m	



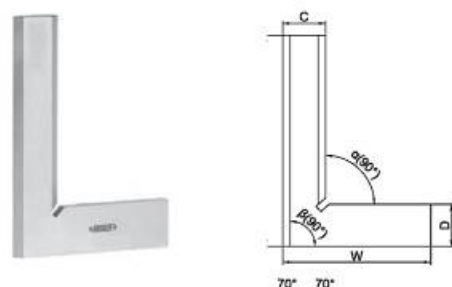
Ъгломер транспортер

Размер (АхВ) mm	Обхват	Граду- иране	Точност	L	C	цена лв.
80x120	0-180°	1°	±0,3°	168	11	
120x150	0-180°	1°	±0,3°	220	14	
150x200	0-180°	1°	±0,3°	285	16	
200x300	0-180°	1°	±0,3°	413	20	
300x500	0-180°	1°	±0,3°	675	30	



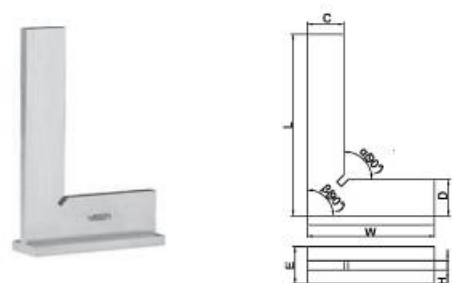
Ъгъл 90°, хромово покритие, клас 00

L mm	W mm	C mm	D mm	H mm	цена лв.
100	70	20	20	5	
200	130	34	34	7	



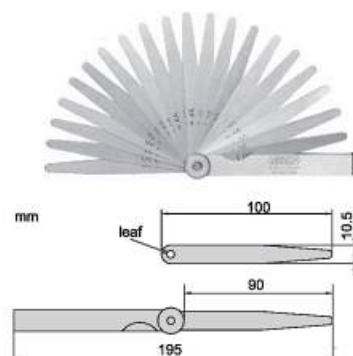
Ъгъл 90°, с основа, клас 00

L mm	W mm	C mm	D mm	H mm	E mm	цена лв.
100	70	20	20	5	20	
200	130	30	30	7	30	
300	200	40	40	8	40	



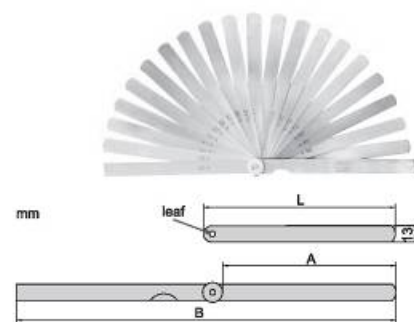
Метрични луфтомерни пластини

Обхват mm	Включени размери mm	брой пластини	цена лв.
0.05-1.00	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	



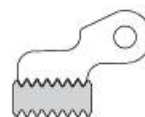
Метрични луфтомерни пластини

Обхват mm	Включени размери mm	брой пластини	L mm	A mm	B mm	цена лв.
0.05-1.00	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00	13	150	135	295	



Резбомер цолово-метричен

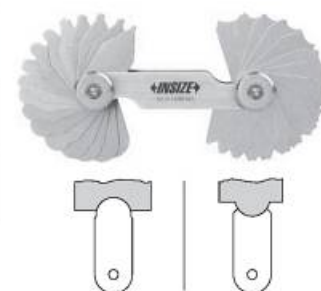
Обхват	Включени размери	брой пластини	цена лв.
4-62"	4, 4 1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62 TPI	52	
0.25-6mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0mm		



измервателни уреди

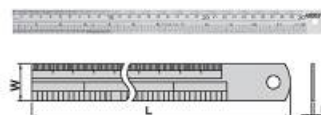
Пластини за измерване на радиус

Обхват mm	Включени размери mm	брой пластини вътрешни/външни	Точност mm	цена лв.
1-7	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	17+17	±0.03	
7.5-15	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15	16+16	±0.035	



Линия

Обхват	Точност mm	L mm	W mm	H mm	цена лв.
150mm/6"	±0.08	170	18	1	



Комплект от 2 броя мерителни инструменти

Инструмент	Обхват mm	Резолюция mm	цена лв.
Шублер	0-150	0.05	
Микрометър	0-25	0.01	



Комплект от 2 броя мерителни инструменти

Инструмент	Обхват mm	Резолюция mm	цена лв.
Шублер	0-150	0.01	
Микрометър	0-25	0.001	



Комплект от 2 броя мерителни инструменти

Инструмент	Обхват mm	Резолюция mm	цена лв.
Индикатор	0-10	0.01	
Магнитна стойка			



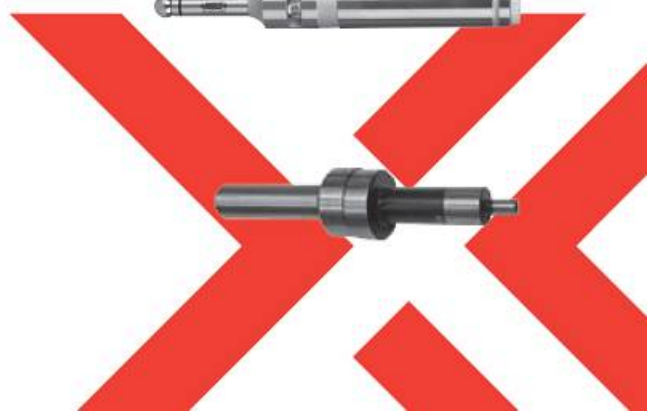
Електронен търсач на нулева точка

Опашка mm	Контактна точка mm	Точност mm	цена лв.
ø20	ø10	0.005	



Търсач на нулева точка

Опашка mm	Контактна точка mm	цена лв.
ø10	4mm/10mm	

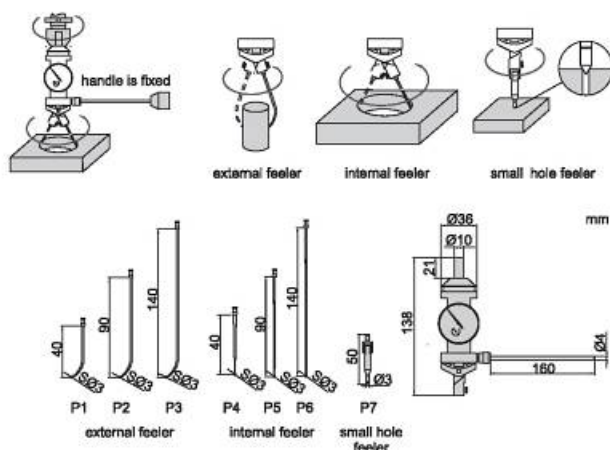


Индикаторен центротърсач

Точност, mm	цена, лв.
0.01	



P1	ø0-60mm
P2	ø0-160mm
P3	ø0-250mm
P4	ø3.2-80mm
P5	ø3.2-180mm
P6	ø3.2-280mm
P7	ø0-2.8mm



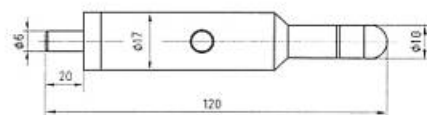
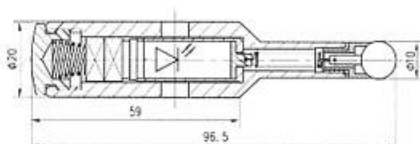
3D търсач на нулева точка

Опашка Ø12 mm, контактна точка на крайника Ø3 mm

Обхват mm	Резолюция mm	Точност mm	цена лв.
1.5	0.01	0.01	



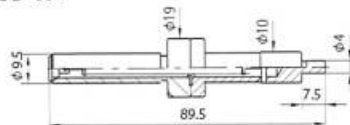
Центротърсач електронен 3D



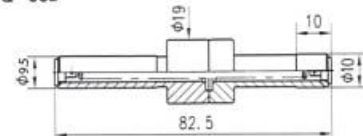
Центротърсач



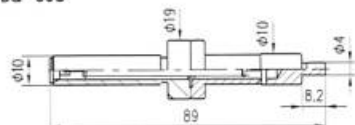
CBQ-00A



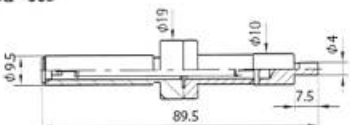
CBQ-00B



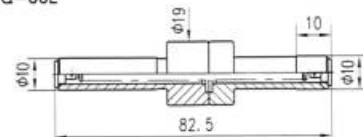
CBQ-00C



CBQ-00D



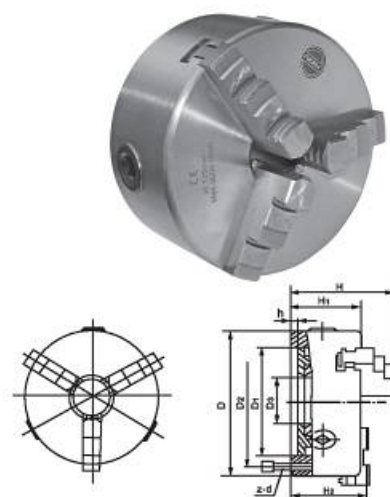
CBQ-00E



ПАТРОННИЦИ

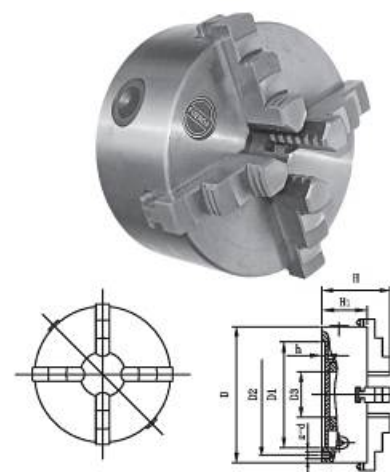
Универсални патронници за металорежещи машини по DIN6350 с гарантирана точност. Серия K11 - 3-челюстни самоцентриращи патронници с прави и обратни челюсти

Размер	D ₁ mm	D ₂ mm	D ₃ mm	H mm	H ₁ mm	h mm	z-d	Макс. скорост	цена лв.
80	55	66	16	66.5	50	4	3-M6	4000	
100	72	84	22	74.5	55	3	3-M8	3500	
125	95	108	30	84.5	58	4	3-M8	3000	
160	130	142	45	94	65	5	3-M8	2500	
200	165	180	65	109	75	5	3-M10	2000	
250	206	226	80	120	80	5	3-M12	1600	
315	260	285	100	147.5	90	6	3-M16	1200	
400	340	368	130	173.5	100	6	3-M16	1000	
500	440	465	210	202	115	6	6-M16	800	
630	560	595	260	194	130	7	6-M16	800	



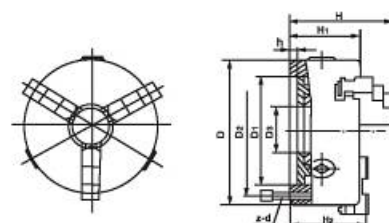
Универсални патронници за металорежещи машини по DIN6350 с гарантирана точност. Серия K12 - 4-челюстни самоцентриращи патронници с прави и обратни челюсти

Размер	D ₁ mm	D ₂ mm	D ₃ mm	H mm	H ₁ mm	h mm	z-d	KGS	цена лв.
80	55	66	16	66.5	50	4	3-M6	2	
100	72	84	22	74.5	53.5	3	3-M8	3	
125	95	108	30	84.5	58	4	3-M8	5	
160	130	142	45	94	65	5	3-M8	8.8	
200	165	180	65	109	75	5	3-M10	15.5	
250	206	226	80	120	80	5	3-M12	26	
315	260	285	100	147.5	90	6	3-M16	50	
400	340	368	130	173.5	100	6	3-M16	85	
500	440	465	210	202	115	6	6-M16	119	
630	560	595	260	220.5	135	6	6-M16	200	



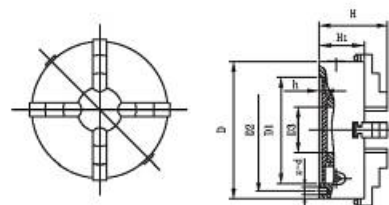
Универсални патронници за металоурежещи машини по DIN6350 с гарантирана точност. Серия K11 - 3-челюстни самоцентриращи патронници с прави и обратни челюсти

Размер D, mm	D ₁ mm	D ₂ mm	D ₃ mm	H mm	H ₁ mm	H ₂ mm	h mm	z-d	KGS	цена лв.
125	95	108	30	95	58	63	4	3-M8	4.8	
130	100	115	40	97	60	65	5	3-M8	4.3	
160	130	142	45	109	65	71	5	3-M8	8.3	
190	155	172	55	122	75	80	5	3-M10	9.5	
200	165	180	65	122	75	80	5	3-M10	13.0	
230	190	210	70	136	80	86	6	3-M12	14.5	
240	195	215	70	136	80	86	8	3-M12	22.5	
250	206	226	80	136	80	86	5	3-M12	23.0	
315	260	285	100	156.5	90	99.5	6	3-M16	41	
320	270	290	100	156.5	90	99.5	6	3-M16	42	
325	272	296	100	156.5	90	99.5	6	3-M16	41	
380	325	350	130	173.5	100	112.5	6	3-M16	46	
400	340	368	130	173.5	100	112.5	6	3-M16	62	
500	440	465	210	202	115	126	6	6-M16	71	
630	560	595	260	220.2	135	144.5	7	6-M16	200	



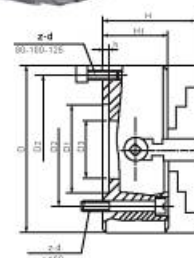
Универсални патронници за металоурежещи машини по DIN6350 с гарантирана точност. Серия K12 - 4-челюстни самоцентриращи патронници с прави и обратни челюсти

Размер D, mm	D ₁ mm	D ₂ mm	D ₃ mm	H mm	H ₁ mm	h mm	z-d	KGS	цена лв.
125	95	108	30	95	58	4	3-M8	5	
130	100	115	30	97	60	5	3-M8	5.6	
160	130	142	45	109	65	5	3-M8	8.8	
165	130	145	45	109	65	5	3-M8	9.8	
190	155	172	55	122	75	5	3-M10	13.8	
200	165	180	65	122	75	5	3-M10	15.5	
240	195	215	70	136	80	8	3-M12	25	
250	206	226	80	136	80	5	3-M12	26	
315	260	285	100	156.5	90	6	3-M16	50	
320	270	290	100	156.5	90	6	3-M16	53	
325	272	296	100	156.5	90	6	3-M16	66	
380	325	350	130	173.5	100	6	3-M16	66	
400	340	368	130	173.5	100	6	3-M16	85	
500	440	465	210	202	115	6	6-M16	119	
630	560	595	260	220.5	135	6	6-M16	125	



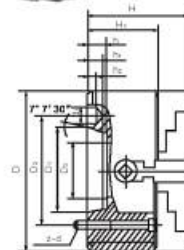
Универсални патронници за металоурежещи машини по DIN6350 с гарантирана точност. Серия K72 - 4-челюстни патронници с независимо преместване на челюстите

Размер	D ₁ mm	D ₂ mm	D ₃ mm	H mm	H ₁ mm	h mm	z-d	цена лв.
80	55	66	22	58	42	3.5	4-M6	
100	72	84	25	77	54	4	4-M8	
125	95	108	30	78	56	4.5	4-M8	
160	65	95	45	96.5	65	5	4-M10	
160A	53	71	45	96.5	65	5	4-M10	
160T	130	145	40	96.5	65	5	4-M10	
200	125	104.8	50	110	75	6	4-M10	
200A	75	95	56	110	75	6	4-M10	
250	100	120	65	117.5	82	6	4-M12	
250A	110	130	75	117.5	80	6	4-M12	
300	152	130	75	128.5	85	6	4-M12	
315	140	165	95	134	90	6	4-M16	
320	140	165	95	134	90	6	4-M16	
350	130	168	80	145	95	8	4-M16	
400	160	185	125	143	95	8	4-M16	
450	180	205	140	147	100	8	4-M16	
500	200	236	160	161	106	8	4-M20	
630	220	258	180	180	115	10	4-M20	



Универсални патронници за металоурежещи машини по DIN6350 с гарантирана точност. Серия K72 - директен монтаж, 4-челюстни патронници с независимо преместване на челюстите

Размер	Палец номер	D ₁ mm	D ₂ mm	D ₃ mm	H mm	H ₁ mm	h mm	h ₁ mm	h ₂ mm	d ₁ mm	z-d	цена лв.
250	6	106.375	133.4	75	115.5	80	16	13	6.5	19.5	4-M12	
400	6	106.375	133.4	95	143	95	16	13	6.5	19.5	4-M12	
250	8	139.719	171.4	75	115.5	80	18	14	8.0	24.2	4-M16	
320	8	139.719	171.4	95	134	90	18	14	8.0	24.2	4-M16	
400	8	139.719	171.4	125	143	95	18	14	8.0	24.2	4-M16	
450	8	139.719	171.4	125	147	100	18	14	8.0	24.2	4-M16	
500	8	139.719	171.4	130	161	106	18	14	8.0	24.2	4-M16	
630	8	139.719	171.4	130	180	115	18	14	8.0	24.2	4-M16	
800	8	139.719	171.4	130	210	135	18	14	8.0	24.2	4-M16	



Универсални патронници с МК опашки

Опашка	D ₁ mm	D mm	цена лв.
ø80	17.780	125	
ø100	23.825	130	
ø125	31.267	160	
ø160	44.399	200	



Външни твърди челюсти комплект за патронник K11 и K12

Размер K11	цена лв.	Размер K11	цена лв.
80		250	
100		315	
125		400	
160		500	
200		630	

Размер K12	цена лв.	Размер K12	цена лв.
80		250	
100		315	
125		400	
160		500	
200		630	



Вътрешни твърди челюсти комплект за патронник K11 и K12

Размер K11	цена лв.	Размер K11	цена лв.
80		250	
100		315	
125		400	
160		500	
200		630	

Размер K12	цена лв.	Размер K12	цена лв.
80		250	
100		315	
125		400	
160		500	
200		630	



Меки челюсти комплект за патронник K11 и K12

Размер K11	цена лв.	Размер K11	цена лв.
80		250	
100		315	
125		400	
160		500	
200		630	

Размер K12	цена лв.	Размер K12	цена лв.
80		250	
100		315	
125		400	
160		500	
200		630	



Фланец за универсален патронник тип С

Размер	Тарег №	цена лв.
125	3	
125	4	
160	3	
160	4	
160	5	
200	4	
200	5	
200	6	
250	5	
250	6	
250	8	

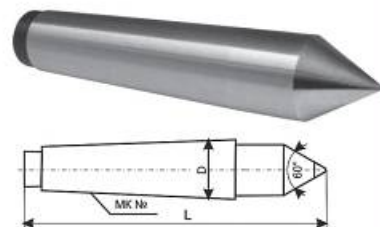
Размер	Тарег №	цена лв.
315	6	
315	8	
315	11	
400	6	
400	8	
400	11	
500	8	
500	11	
500	15	
630	8	
630	11	
630	15	



ЕКИПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

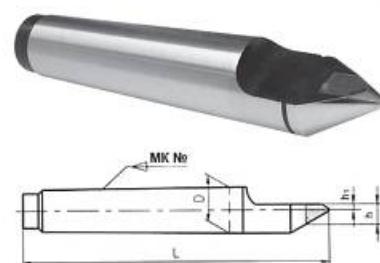
Център упорен прав

МК №	D mm	L mm	цена лв.
МК1	12.065	80	
МК2	17.780	100	
МК3	23.825	125	
МК4	31.267	160	
МК5	44.399	200	
МК6	63.348	270	



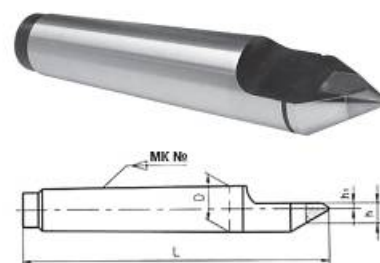
Център упорен скосен

МК №	D mm	h mm	L mm	цена лв.
МК1	12.065	7.6	80	
МК2	17.780	11	100	
МК3	23.825	15.05	125	
МК4	31.267	20.8	160	
МК5	44.399	29.35	200	
МК6	63.348	41.9	270	



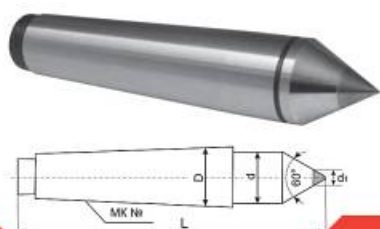
Център упорен скосен със запоен HW-връх

МК №	h ₁ mm	h mm	D mm	L mm	Точност mm	цена лв.
МК1	1.5	5.5	12.065	80	0.010	
МК2	2	6	17.780	100		
МК3	3	9	23.825	125		
МК4	5	12.5	31.267	160		
МК5	7	16	44.399	200		
МК6	10	22	63.348	270		
МК7	12	24	83.061	360		

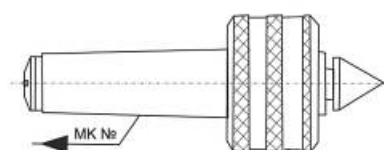


Център упорен прав със запоен HW-връх

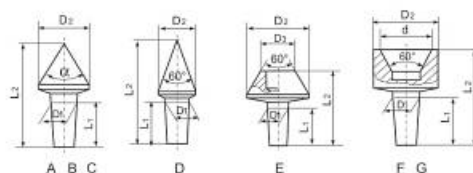
МК №	D mm	L mm	d mm	d ₁ mm	Точност mm	цена лв.
МК1	12.065	80	12.2	8	0.010	
МК2	17.780	100	18	8		
МК3	23.825	125	24.1	12		
МК4	31.267	160	31.6	15		
МК5	44.399	200	44.7	18		
МК6	63.348	270	63.8	24		
МК7	83.061	360	83.555	24		



Комплект упорен въртящ център

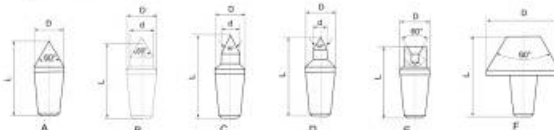
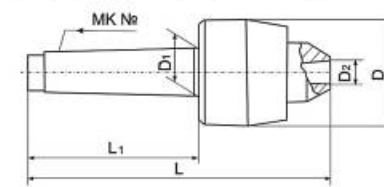


A: $\alpha = 60^\circ$
B: $\alpha = 75^\circ$



МК №	D ₁	L ₁	A		B		C		D		E			F			G			цена лв.
			D ₂	L ₂	D ₂	L ₂	D ₂	L ₂	D ₂	L ₂	D ₂	D ₃	L ₂	D ₂	L ₂	d	D ₂	L ₂	d	
МК3	12	24	20	48	20	43.5	20	40.5	18	56	35	15	50	22	42	18	35	48	30	
МК4	15	30	28	61.5	28	55.5	28	51.5	26	73	55	30	61.5	40	55	35	55	60	48	
МК5	20	40	36	80	36	72.45	36	66.8	36	101	70	41	78	60	81	50	70	85	61	

Бързоскоростен комплект упорен въртящ център

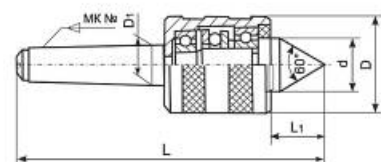


МК №	D	D ₁	L	L ₁	цена лв.
5	83	44.399	136	217	

МК №	A		B			C			D			E			F	
	L	D	L	D	d	L	D	d	L	D	d	L	D	d	L	D
МК5	39	15.7	44	15.7	12	45	15.7	10	42	15.7	8	43	15.7	12	48	40

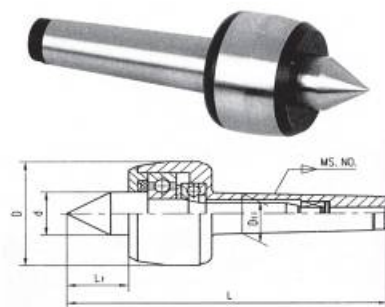
Въртящ център

МК №	L mm	L ₁ mm	D mm	D ₁ mm	d mm	Мах радиално натоварване N	Мах скорост rpm	Точност mm	цена лв.
МК1	115	20	34	12.065	18	900	5000	0.01	
МК2	145	26	45	17.780	25	1500	5000	0.01	
МК3	170	30	52	23.825	28	2000	4200	0.01	
МК4	205.7	34.7	60	31.267	32	3200	3200	0.01	
МК5	254	45	77	44.399	45	6300	2400	0.015	
МК6	362	68.5	125	63.348	75	10000	1600	0.015	
МК1	125	30	34	12.065	18	900	5000	0.01	
МК2	155	36	45	17.780	25	1500	5000	0.01	
МК3	183	43	52	23.825	28	2000	4200	0.01	
МК4	222	51	60	31.267	32	3200	3200	0.01	
МК5	272	63	77	44.399	45	6300	2400	0.015	
МК6	382	88.5	125	63.348	75	10000	1600	0.015	



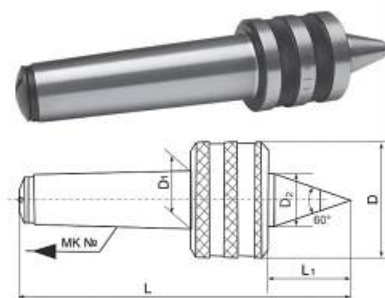
Прецизен въртящ център

МК №	L mm	D mm	L ₁ mm	d mm	D ₁ mm	цена лв.
МК1	114	36	17	15	12.065	
МК2	129	45	24	20	17.780	
МК3	151.5	50	27.5	22	23.825	
МК3	160.5	60	31	25	23.825	
МК4	205	70	41	32	31.267	
МК5	258.5	90	50.5	40	44.399	
МК6	334	105	57.5	50	63.348	
МК6	378	140	67	60	63.348	



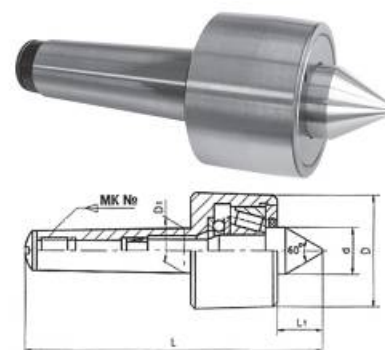
Въртящ център удължен

МК №	L ₁ mm	D mm	D ₁ mm	D ₂ mm	L mm	цена лв.
МК2	28.5	40	17.780	18	141	
МК3	36.5	45	23.825	22	168	
МК4	36.5	45	31.267	22	190	
МК5	62	78	44.399	40	267.5	
МК6	75	102	63.348	50	346.5	



Въртящ упорен център тежък тип

МК №	L mm	L ₁ mm	D mm	D ₁ mm	d mm	Max радиално натоварване N	Max скорост rpm	Точност mm	цена лв.
МК4	192.5	31.5	68	31.267	28	8000	3000	0.01	
МК5	245	45	90	44.399	41	10000	2500	0.012	

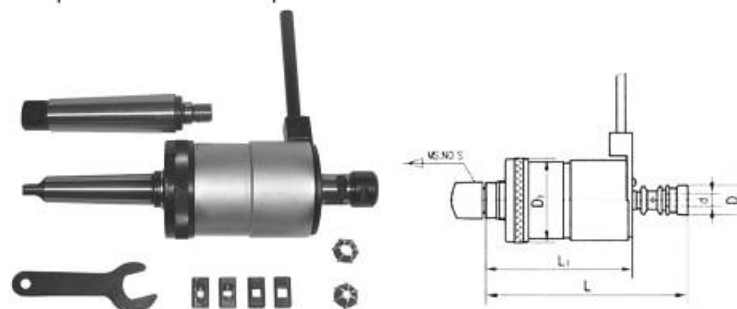


Резбонарезен патронник за адаптори

МК №	D mm	D1 mm	d mm	L ₁ mm	L mm	Обхват	Натоварване Nm	цена лв.
МК2	46	23.825	19	94	191	M3-M12	25	
МК3	46	23.825	19	94	191	M3-M16	46.3	



Резбонарезен реверсивен патронник



Обхват	d mm	D mm	D1 mm	L mm	L ₁ mm	MS.NO.S	цена лв.
M2-M7	2.5-6.5	23	55	135	95	MS1-JT33 MS3-J33	
M5-M12	3.5-10	28	75	164	114.5	MS3-M16 MS4-M16	
M8-M20	6.3-14	38	90.5	205	135	MS3-M20 MS4-M20	

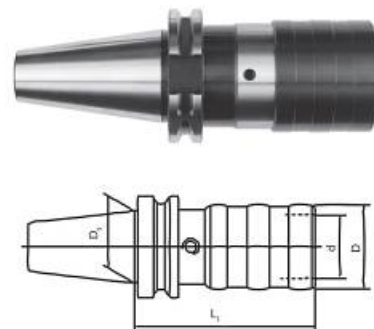
Бързосменнен патронник за свредла с конусни опашки

MS.NO.S	D mm	d mm	L mm	MS.NO.T	цена лв.
MS2	52	24	170	MS1 MS2	
MS3	66	32	197	MS1 MS2 MS3	
MS4	78	42	246.5	MS1 MS2 MS3 MS4	



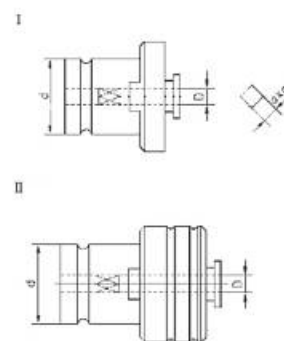
Дорник резбонарезен за адаптори

Опашка	Обхват	D mm	D ₁ mm	d mm	L ₁ mm	цена лв.
DIN69871.40	M3-M12	36	44.45	19	59	
DIN69871.50			69.85		62	
BT40			44.45		64	
BT50			69.85		75	
DIN69871.40	M7-M20	53	44.45	31	91	
DIN69871.50			69.85			
BT40			44.45			
BT50			69.85			
DIN69871.40	M14-M36	78	44.45	48	149	
DIN69871.50			69.85			
BT40			44.45			
BT50			69.85			



Адаптори за метчици

Модел D x a	d mm		DIN371	DIN374	DIN376	цена лв.
3.5 x 2.7	19		M3	M5	M5	
4 x 3			M3.5			
4.5 x 3.4			M4	M6		
6 x 4.9			M5			
6 x 4.9			M6			
6 x 4.9				M8	M8	
7 x 5.5				M10	M10	
8 x 6.2			M8			
9 x 7				M12	M12	
10 x 8			M10			
11 x 9	48	31		M14	M14	
12 x 9				M16	M16	
14 x 11				M18	M18	
16 x 12				M20	M20	
18 x 14.5				M22	M22	
18 x 14.5				M24	M24	
20 x 16				M27	M27	
22 x 18				M30	M30	
25 x 20				M33	M33	
28 x 22				M36	M36	



екипировка за металорежещи машини

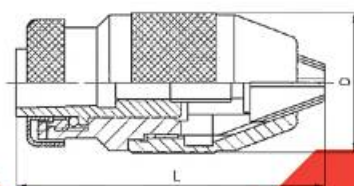
Патронник зъбчат с ключ

Вместимост mm	Гнездо	D mm	L mm	цена лв.
1-10	B12	42.5	70	
1-13	B16	53	86	
1.5-13	B16	44	78	
3-16	B16	53	86	
3-16	B18	53	86	
1-16	B16	57	93	
5-20	B22	65	110	



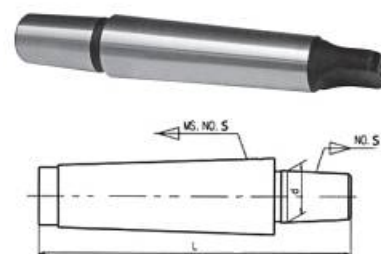
Патронник автоматичен самозатягащ

Вместимост mm	Гнездо	D mm	L mm	цена лв.
0.5-6	B10	34	72	
0.5-8	B12	42	82	
1-10	B12	42	82	
1-13	B16	44	97	
1-13	B16	49	100	
3-16	B16	54	110	
1-16	B16	54	110	
3-16	B18	54	110	
5-20	B22	60	125	



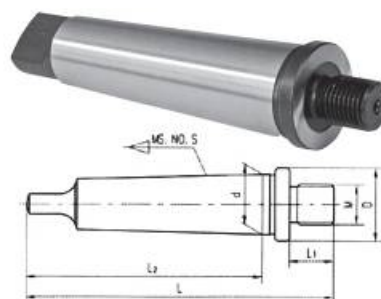
Дорник за патронник

MS.NO.S-NO.S	d mm	L mm	цена лв.
MS1-B10	10.094	86	
MS1-B12	12.065	90	
MS1-B16	15.733	97	
MS2-B10	10.094	101	
MS2-B12	12.065	105	
MS2-B16	15.733	112	
MS2-B18	17.780	120	
MS2-B22	21.793	128	
MS3-B10	10.094	120	
MS3-B12	12.065	124	
MS3-B16	15.733	131	
MS3-B18	17.780	139	
MS3-B22	21.793	147	
MS4-B12	12.065	149	
MS4-B16	15.733	156	
MS4-B18	17.780	164	
MS4-B22	21.793	172	
MS5-B16	15.733	188	
MS5-B18	17.780	196	
MS5-B22	21.793	204	



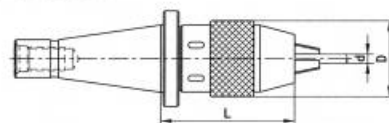
Дорник за патронник с резба

MS.NO.S.	L mm	L ₁ mm	L ₂ mm	D mm	d mm	M	цена лв.
MS1	85	15.5	62	27	12.065	1/2"-20UNF	
MS2	100	15.5	75	27	17.780	1/2"-20UNF	
MS3	119	15.5	94	27	23.825	1/2"-20UNF	



Дорник с патронник автоматичен самозатягащ, DIN2080

Код	L mm	D mm	d mm	цена лв.
30-APU08	70	36	0.5-8	
30-APU13	80.5	50	1-13	
40-APU08	70	36	0.5-8	
40-APU13	85	50	1-13	
40-APU16	105	57	3-16	
50-APU13	95	50	1-13	
50-APU16	100	57	3-16	
R8-APU13	100	50	1-13	



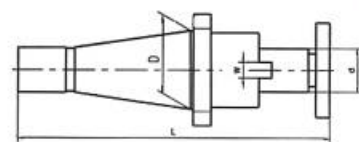
Дорник DIN2080 WELDON

d mm	ISO40	ISO50	цена лв.
16	FDISO40160M		
20	FDISO40200M		
25	FDISO40250M	FDISO50250M	
32	FDISO40320M	FDISO50320M	
40	FDISO40400M	FDISO50400M	



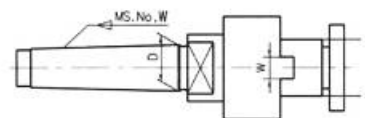
Дорник DIN2080 за фрези челно цилиндрични с челен съединител

Тип	D mm	d mm	W mm	L mm	цена лв.
SD/ISO40 x d	44.45	16	8	153	
		22	10	156	
		27	12	159	
		32	14	178	
		40	16	182	
SD/ISO50 x d	69.85	16	8	205	
		22	10	208	
		27	12	211	
		32	14	215	
		40	16	219	



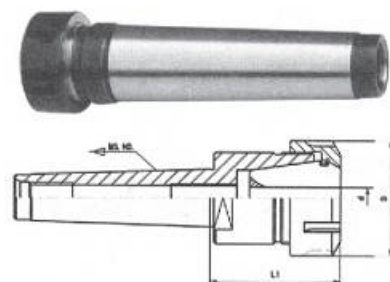
Дорник с морзов конус с челен съединител

Тип	D mm	d mm	W mm	цена лв.
SD/MS3W-16	23.825	16	8	
SD/MS3W-22		22	10	
SD/MS3W-27		27	12	
SD/MS3W-32		32	14	
SD/MS4W-16	31.267	16	8	
SD/MS4W-22		22	10	
SD/MS4W-27		27	12	
SD/MS4W-32		32	14	



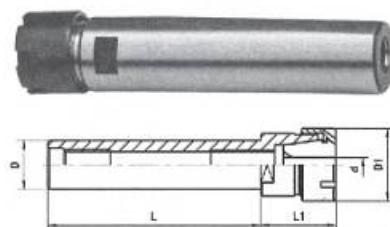
Патронник за цанги с конусна опашка

Код	MS.NO.	d mm	D mm	L1 mm	цена лв.
MS2XER11	MS2	1-7	19	35.3	
MS2XER16	MS2	1-10	28	44.3	
MS2XER20	MS2	1-13	34	53.3	
MS2XER25	MS2	1-16	42	57.7	
MS3XER16	MS3	1-10	28	49.3	
MS3XER20	MS3	1-13	34	56.2	
MS3XER25	MS3	1-16	42	55.7	
MS3XER32	MS3	2-20	50	65.7	
MS3XER40	MS3	3-26	63	71.7	
MS4XER16	MS4	1-10	28	46.5	
MS4XER20	MS4	1-13	34	51.7	
MS4XER25	MS4	1-16	42	46.7	
MS4XER32	MS4	2-20	50	74.2	
MS4XER40	MS4	3-26	63	69.7	
MS5XER40	MS5	3-26	63	69.2	
MS5XER50	MS5	6-34	78	85	



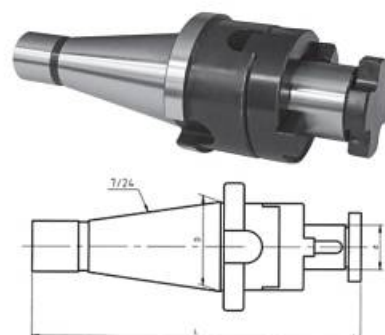
Цангов удължител

Код	d mm	D mm	D1 mm	L mm	L1 mm	цена лв.
ER8M-10X95-17	1-5	10	12	95	17	
ER8M-10X120-17	1-5	10	12	120	17	
ER8M-16X100-17	1-5	16	12	100	17	
ER11M-12X95-28	1-7	12	16	95	28	
ER11M-12X150-30	1-7	12	16	150	30	
ER11M-16X100-19	1-7	16	16	100	19	
ER11M-16X150-19	1-7	16	16	150	19	
ER16M-12X50-36	1-10	12	22	50	36	
ER16M-12X100-40	1-10	12	22	100	40	
ER16M-16X80-37	1-10	16	22	80	37	
ER16M-16X150-40	1-10	16	22	150	40	
ER16M-20X50-35	1-10	20	22	50	35	
ER16M-20X100-25	1-10	20	22	100	25	
ER16M-20X150-25	1-10	20	22	150	25	
ER20M-16X60-40	1-13	16	28	60	40	
ER20M-16X100-40	1-13	16	28	100	40	
ER20M-16X150-40	1-13	16	28	150	40	
ER20M-20X80-40	1-13	20	28	80	40	
ER20M-20X100-40	1-13	20	28	100	40	
ER20M-20X120-40	1-13	20	28	120	40	
ER20M-20X150-40	1-13	20	28	150	40	
ER25M-20X150-50	1-16	20	35	150	50	
ER25M-25X145-45	1-16	25	35	145	45	



Дорник DIN2080 за фрези челноцилиндрични с челен и надлъжен шпонков канал

d mm	Опашка	L mm	цена лв.
16	ISO40	168	
22		171	
27		174	
32		178	
40		182	
16	ISO50	205	
22		208	
27		211	
32		215	
40		219	



челен съединител	ключ	кръстата гайка	цена / лв.
SK-00206-2	SK-00208-2	SK-00210-2	
SK-00206-3	SK-00208-3	SK-00210-3	
SK-00206-4	SK-00208-4	SK-00210-4	
SK-00206-5	SK-00208-5	SK-00210-5	
SK-00206-6	SK-00208-6	SK-00210-6	



ДОРНИЦИ ЗА CNC МАШИНИ, БАЛАНСИРАНИ 6.5G, 15000 ОБ./МИН.

Дорник за фрези дорникови, DIN69871

Тип DIN69871.Axd-L1	D mm	цена лв.
DIN69871.A40 x 16-60	32	
DIN69871.A40 x 22-60	40	
DIN69871.A40 x 27-60	48	
DIN69871.A40 x 27-75	48	
DIN69871.A40 x 32-60	58	
DIN69871.A40 x 40-60	70	

Тип DIN69871.Axd-L1	D mm	цена лв.
DIN69871.A50 x 16-60	32	
DIN69871.A50 x 22-60	40	
DIN69871.A50 x 27-60	48	
DIN69871.A50 x 32-60	58	
DIN69871.A50 x 40-60	70	



Дорници за патронник, DIN69871

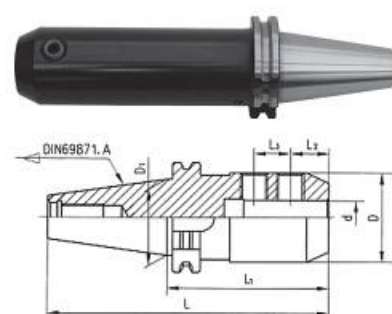
Тип DIN69871.A-NO.S-L1	цена лв.
DIN69871.A40-B12-32	
DIN69871.A40-B12-80	
DIN69871.A40-B16-26	
DIN69871.A40-B16-32	
DIN69871.A40-B16-45	

Тип DIN69871.A-NO.S-L1	цена лв.
DIN69871.A40-B18-32	
DIN69871.A40-B18-45	
DIN69871.A40-B22-32	
DIN69871.A50-B16-45	
DIN69871.A50-B18-45	
DIN69871.A50-B22-60	



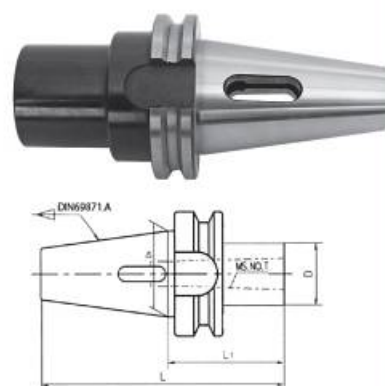
Дорници WELDON, DIN69871

Тип DIN69871.A x d-L ₁	L mm	D mm	D ₁ mm	L ₂ mm	L ₃ mm	цена лв.
DIN69871.A40 x 6-50	118.4	25	44.45	18		
DIN69871.A40 x 8-50	118.4	28		18		
DIN69871.A40 x 10-50	118.4	35		20		
DIN69871.A40 x 12-50	118.4	42		22.5		
DIN69871.A40 x 14-50	118.4	44		22.5		
DIN69871.A40 x 16-63	131.4	48		24		
DIN69871.A40 x 18-63	131.4	50		24		
DIN69871.A40 x 20-63	131.4	52		25		
DIN69871.A40 x 25-100	168.4	65		24	25	
DIN69871.A40 x 32-100	168.4	72		24	28	
DIN69871.A40 x 40-120	188.4	90		30	32	
DIN69871.A50 x 6-63	164.75	25	69.85	18		
DIN69871.A50 x 8-63	164.75	28		18		
DIN69871.A50 x 10-63	164.75	35		20		
DIN69871.A50 x 12-63	164.75	42		22.5		
DIN69871.A50 x 14-63	164.75	44		22.5		
DIN69871.A50 x 16-63	164.75	48		24		
DIN69871.A50 x 18-63	164.75	50		24		
DIN69871.A50 x 20-63	164.75	52		25		
DIN69871.A50 x 25-80	181.75	65		24	25	
DIN69871.A50 x 32-100	201.75	72		24	28	
DIN69871.A50 x 40-120	221.75	90		30	32	



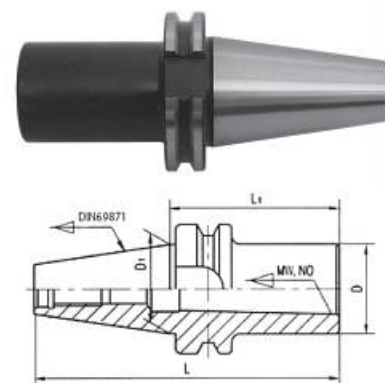
Дорник с вътрешен МК с лапка, DIN69871

Тип DIN69871 x MS.NO.T-L ₁	L mm	D mm	D ₁ mm	цена лв.
DIN69871.A40 x MS1-45	113.4	25	44.45	
DIN69871.A40 x MS1-50	118.4	25	44.45	
DIN69871.A40 x MS2-50	118.4	32	44.45	
DIN69871.A40 x MS2-60	128.4	32	44.45	
DIN69871.A40 x MS3-75	143.4	40	44.45	
DIN69871.A40 x MS4-95	163.4	48	44.45	
DIN69871.A50 x MS1-45	146.75	25	69.85	
DIN69871.A50 x MS2-60	161.75	32	69.85	
DIN69871.A50 x MS3-65	166.75	40	69.85	
DIN69871.A50 x MS4-95	196.75	48	69.85	
DIN69871.A50 x MS5-100	201.75	61	69.85	
DIN69871.A50 x MS5-105	206.75	61	69.85	



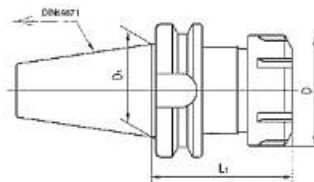
Дорник с вътрешен МК с резба, DIN69871

Тип DIN69871.A x MW.NO.T-L ₁	L mm	D mm	D ₁ mm	цена лв.
DIN69871.A40 x MW1-45	113.4	25	44.45	
DIN69871.A40 x MW2-60	128.4	32		
DIN69871.A40 x MW3-70	138.4	40		
DIN69871.A40 x MW3-80	148.4	40		
DIN69871.A40 x MW3-100	168.4	40		
DIN69871.A40 x MW4-90	158.4	48		
DIN69871.A40 x MW4-100	168.4	48	69.85	
DIN69871.A50 x MW1-45	146.8	25		
DIN69871.A50 x MW2-45	146.8	32		
DIN69871.A50 x MW3-60	161.8	40		
DIN69871.A50 x MW3-80	181.8	40		
DIN69871.A50 x MW4-80	181.8	48		
DIN69871.A50 x MW4-90	191.8	48		
DIN69871.A50 x MW4-120	221.8	48		
DIN69871.A50 x MW5-100	201.8	61		
DIN69871.A50 x MW5-120	221.8	61		



дорници за CNC машини, балансирани 6.5G, 15000 об./мин.

Дорници цангови, DIN69871

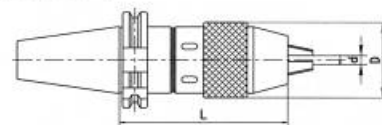


Тип DIN69871.A x ER-L1	D mm	D ₁ mm	цена лв.
DIN69871.A40 x ER11-80	19	44.45	
DIN69871.A40 x ER16-63	28	44.45	
DIN69871.A40 x ER16-70	28	44.45	
DIN69871.A40 x ER16-100	28	44.45	
DIN69871.A40 x ER16-120	28	44.45	
DIN69871.A40 x ER20-70	34	44.45	
DIN69871.A40 x ER20-100	34	44.45	
DIN69871.A40 x ER20-160	34	44.45	
DIN69871.A40 x ER25-60	42	44.45	
DIN69871.A40 x ER25-70	42	44.45	
DIN69871.A40 x ER25-100	42	44.45	
DIN69871.A40 x ER25-150	42	44.45	
DIN69871.A40 x ER32-70	50	44.45	
DIN69871.A40 x ER32-80	50	44.45	
DIN69871.A40 x ER32-100	50	44.45	
DIN69871.A40 x ER32-120	50	44.45	
DIN69871.A40 x ER32-150	50	44.45	
DIN69871.A40 x ER40-80	63	44.45	
DIN69871.A40 x ER40-100	63	44.45	
DIN69871.A40 x ER40-120	63	44.45	
DIN69871.A40 x ER40-150	63	44.45	

Тип DIN69871.A x ER-L1	D mm	D ₁ mm	цена лв.
DIN69871.A50 x ER16-70	28	69.85	
DIN69871.A50 x ER16-100	28	69.85	
DIN69871.A50 x ER16-160	28	69.85	
DIN69871.A50 x ER20-70	34	69.85	
DIN69871.A50 x ER20-100	34	69.85	
DIN69871.A50 x ER20-135	34	69.85	
DIN69871.A50 x ER20-160	34	69.85	
DIN69871.A50 x ER25-70	42	69.85	
DIN69871.A50 x ER25-100	42	69.85	
DIN69871.A50 x ER25-150	42	69.85	
DIN69871.A50 x ER32-80	42	69.85	
DIN69871.A50 x ER32-100	50	69.85	
DIN69871.A50 x ER32-120	50	69.85	
DIN69871.A50 x ER32-160	50	69.85	
DIN69871.A50 x ER40-80	50	69.85	
DIN69871.A50 x ER40-120	63	69.85	
DIN69871.A50 x ER40-160	63	69.85	
DIN69871.A50 x ER50-90	63	69.85	
DIN69871.A50 x ER50-120	78	69.85	
DIN69871.A50 x ER50-160	78	69.85	
DIN69871.A50 x ER50-200	78	69.85	

Дорник с патронник автоматичен самозатягащ, DIN69871

Код	L mm	D mm	d mm	цена лв.
SK40-APU08-70	70	36	0.5-8	
SK40-APU13-82	82	50	1-13	
SK40-APU16-105	105	57	3-16	
SK50-APU13-85	85	50	1-13	
SK50-APU16-90	90	57	3-16	



Дорник за фрези дорникови, BT

Тип BTxd-L1	D mm	цена лв.
BT40 x 16-45	32	
BT40 x 16-60	32	
BT40 x 16-120	32	
BT40 x 22-45	40	
BT40 x 22-60	40	
BT40 x 22-100	40	
BT40 x 22-120	40	
BT40 x 27-45	48	
BT40 x 27-60	48	
BT40 x 27-75	48	
BT40 x 27-105	48	
BT40 x 27-120	48	
BT40 x 32-45	58	
BT40 x 32-60	58	
BT40 x 32-75	58	
BT40 x 32-120	58	
BT40 x 40-60	70	
BT40 x 40-75	70	
BT40 x 50-70	90	
BT50 x 16-60	32	

Тип BTxd-L1	D mm	цена лв.
BT50 x 16-75	32	
BT50 x 16-120	32	
BT50 x 22-60	40	
BT50 x 22-75	40	
BT50 x 22-100	40	
BT50 x 22-120	40	
BT50 x 27-60	48	
BT50 x 27-105	48	
BT50 x 32-60	58	
BT50 x 32-75	58	
BT50 x 32-105	58	
BT50 x 40-60	70	
BT50 x 40-75	70	
BT50 x 40-90	70	
BT50 x 40-100	70	
BT50 x 40-105	70	
BT50 x 50-60	90	
BT50 x 50-70	90	
BT50 x 50-120	90	



Дорници за патронник, BT

Тип BT-NO.S-L1	цена лв.
BT40-B12-45	
BT40-B16-32	
BT40-B16-45	
BT40-B16-75	
BT40-B16-90	
BT40-B18-45	

Тип BT-NO.S-L1	цена лв.
BT40-B22-75	
BT50-B16-45	
BT50-B16-60	
BT50-B16-75	
BT50-B16-90	
BT50-B22-45	

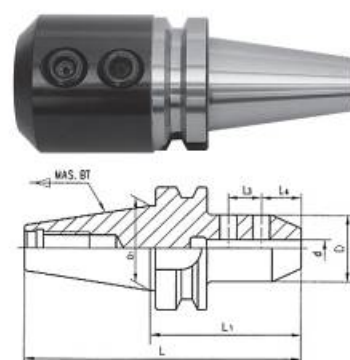


дорници за CNC машини, балансирани 6.5G, 15000 об./мин.



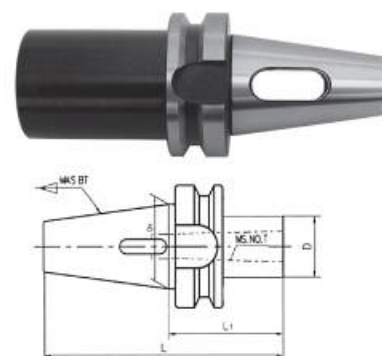
Дорници WELDON, BT

Тип BT x d-L1	L mm	D mm	D ₁ mm	L ₂ mm	L ₃ mm	цена лв.
BT40 x 6-50	115.4	25	44.45	18		
BT40 x 6-60	125.4	25	44.45	18		
BT40 x 8-50	115.4	28	44.45	18		
BT40 x 10-63	128.4	35	44.45	20		
BT40 x 12-63	128.4	42	44.45	22.5		
BT40 x 14-63	128.4	44	44.45	22.5		
BT40 x 16-63	128.4	48	44.45	24		
BT40 x 16-70	135.4	48	44.45	24		
BT40 x 18-63	128.4	50	44.45	24		
BT40 x 20-63	128.4	52	44.45	25		
BT40 x 20-70	135.4	52	44.45	25		
BT40 x 25-90	155.4	65	44.45	24	25	
BT40 x 25-100	165.4	65	44.45	24	25	
BT40 x 32-100	165.4	72	44.45	24	28	
BT40 x 32-110	175.4	72	44.45	24	28	
BT40 x 40-120	185.4	90	44.45	30	32	
BT40 x 40-140	205.4	90	44.45	30	32	
BT50 x 6-63	164.8	25	69.85	18		
BT50 x 8-63	164.8	28	69.85	18		
BT50 x 10-63	164.8	35	69.85	20		
BT50 x 12-80	181.8	42	69.85	22.5		
BT50 x 16-80	181.8	48	69.85	24		
BT50 x 20-80	181.8	52	69.85	25		
BT50 x 25-100	201.8	65	69.85	24	25	
BT50 x 25-105	206.8	65	69.85	24	25	
BT50 x 25-150	251.8	65	69.85	24	25	
BT50 x 25-200	301.8	65	69.85	24	25	
BT50 x 32-100	201.8	72	69.85	24	28	
BT50 x 32-105	206.8	72	69.85	24	28	
BT50 x 40-115	216.8	90	69.85	30	32	
BT50 x 40-120	221.8	90	69.85	30	32	
BT50 x 50-150	251.8	100	69.85	35	35	



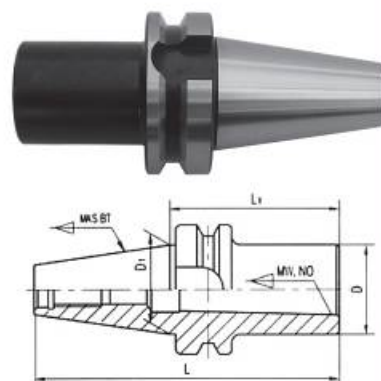
Дорник с вътрешен МК с лапка, BT

Тип BT x MS.NO.T-L ₁	L mm	D mm	D ₁ mm	цена лв.
BT40 x MS1-45	110.4	25	44.45	
BT40 x MS2-50	115.4	32	44.45	
BT40 x MS2-60	125.4	32	44.45	
BT40 x MS3-70	135.4	40	44.45	
BT40 x MS3-75	140.4	40	44.45	
BT40 x MS4-90	155.4	48	44.45	
BT40 x MS4-95	160.4	48	44.45	
BT40 x MS4-95	200.4	48	44.45	
BT50-MS1-45	146.8	25	69.85	
BT50-MS2-50	151.8	32	69.85	
BT50-MS2-60	161.8	32	69.85	
BT50-MS2-120	221.8	32	69.85	
BT50-MS3-65	166.8	40	69.85	
BT50-MS3-75	176.8	40	69.85	
BT50-MS3-120	221.8	40	69.85	
BT50-MS3-150	251.8	40	69.85	
BT50-MS4-95	196.8	48	69.85	
BT50-MS5-105	206.8	63	69.85	



Дорник с вътрешен МК с резба, ВТ

Тип BT x MW.NO.T-L ₁	L mm	D mm	D ₁ mm	цена лв.
BT40 x MW1-45	110.4	25	44.45	
BT40 x MW2-60	125.4	32		
BT40 x MW3-75	140.4	40		
BT40 x MW3-90	155.4	40		
BT40 x MW4-95	160.4	48		
BT40 x MW4-100	165.4	48		
BT50 x MW1-45	146.8	25	69.85	
BT50 x MW2-45	146.8	32		
BT50 x MW2-60	161.8	32		
BT50 x MW3-60	161.8	40		
BT50 x MW3-75	176.8	40		
BT50 x MW4-80	181.8	48		
BT50 x MW4-100	201.8	48		
BT50 x MW5-100	201.8	63		
BT50 x MW5-120	221.8	63		



Дорници цангови, ВТ

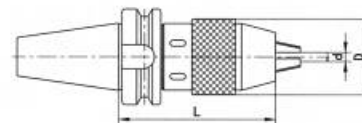
Тип BT x ER-L1	D mm	D ₁ mm	цена лв.
BT40 x ER16-70	28	44.45	
BT40 x ER20-70	34	44.45	
BT40 x ER20-100	34	44.45	
BT40 x ER20-150	34	44.45	
BT40 x ER25-60	42	44.45	
BT40 x ER25-70	42	44.45	
BT40 x ER25-90	42	44.45	
BT40 x ER25-100	42	44.45	
BT40 x ER25-150	42	44.45	
BT40 x ER32-70	50	44.45	
BT40 x ER32-100	50	44.45	
BT40 x ER32-150	50	44.45	
BT40 x ER40-70	63	44.45	
BT40 x ER40-80	63	44.45	
BT40 x ER40-120	63	44.45	
BT40 x ER40-150	63	44.45	
BT50 x ER16-70	28	69.85	
BT50 x ER16-90	28	69.85	
BT50 x ER16-135	28	69.85	

Тип BT x ER-L1	D mm	D ₁ mm	цена лв.
BT50 x ER20-70	34	69.85	
BT50 x ER20-90	34	69.85	
BT50 x ER20-135	34	69.85	
BT50 x ER20-150	34	69.85	
BT50 x ER20-165	34	69.85	
BT50 x ER25-70	42	69.85	
BT50 x ER25-135	42	69.85	
BT50 x ER25-165	42	69.85	
BT50 x ER32-70	50	69.85	
BT50 x ER32-80	50	69.85	
BT50 x ER32-100	50	69.85	
BT50 x ER32-120	50	69.85	
BT50 x ER40-80	63	69.85	
BT50 x ER40-100	63	69.85	
BT50 x ER40-120	63	69.85	
BT50 x ER40-135	63	69.85	
BT50 x ER50-90	78	69.85	
BT50 x ER50-120	78	69.85	



Дорник с патронник автоматичен самозатягащ, ВТ

Код	L mm	D mm	d mm	цена лв.
BT30-APU08-80	80	36	0.5-8	
BT30-APU13-100	100	50	1-13	
BT30-APU16-110	110	57	3-16	
BT40-APU08-85	85	36	0.5-8	
BT40-APU13-100	100	50	1-13	
BT40-APU16-105	105	57	3-16	
BT50-APU13-100	100	50	1-13	
BT50-APU16-110	110	57	3-16	



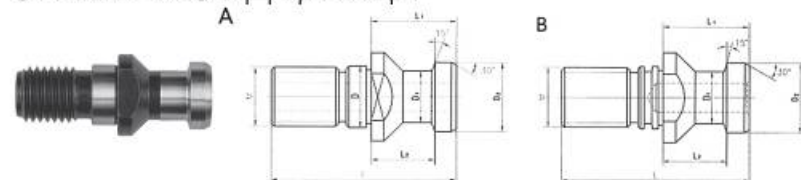
дорници за CNC машини, балансирани 6.5G, 15000 об./мин.

Опъвачи за дорници

№	D mm	D ₁ mm	D ₂ mm	M	L mm	L ₁ mm	L ₂ mm	H mm	H ₁ mm	цена лв.
1	13	8	12	M12	44	24	19	4	3	
2	17	14	19	M16	54	26	20	4	4	
3	21	17	23	M20	65	30	23	5	5	
4	25	21	28	M24	74	34	25	6	7	



Опъвачи за дорници



№	D mm	D ₁ mm	D ₂ mm	M	L mm	L ₁ mm	L ₂ mm	цена лв.
1	13	8	13	M12	44	24	19	
2	17	14	19	M16	54	26	20	
3	21	17	23	M20	65	30	23	
4	25	21	28	M24	74	34	25	

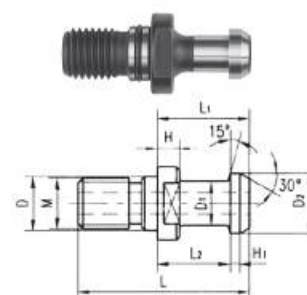
Опъвачи за дорници

№	D mm	D ₁ mm	D ₂ mm	M	L mm	L ₁ mm	L ₂ mm	H mm	H ₁ mm	θ	цена лв.
1	12.5	7	11	M12	43	23	18	5	2.5	30° 45°	
2	17	10	15	M16	60	35	28	6	3		
3	21	14	19	M20	70	40	31	8	4		
4	25	17	23	M24	85	45	35	10	5		



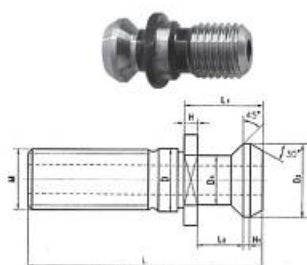
Опъвачи за дорници

№	D mm	D ₁ mm	D ₂ mm	M	L mm	L ₁ mm	L ₂ mm	H mm	H ₁ mm	цена лв.
1	12.5	8	12	M12	43	23.4	18.4	5	3	
2	12.5	11	15	M12	44	24	19	5	3	
3	17	14	19	M16	54	29	23	7	3	
4	21	17	23	M20	60	30	23	7	4	
5	25	21	28	M24	74	34	25	7	5	
6	31	27	36	M30	98	48	36	11	7	



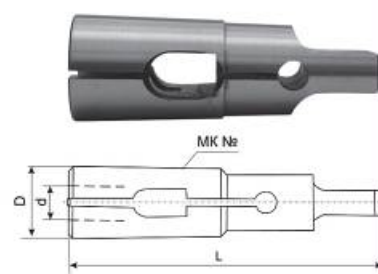
Опъвачи за дорници

№	D mm	D ₁ mm	D ₂ mm	M	L mm	L ₁ mm	L ₂ mm	H mm	H ₁ mm	цена лв.
1	17	9.3	13.3	M12	27	11.8	8.1	2.7	1.2	
2	21	12.95	18.95	M16	44.5	16.4	11.15	3.25	1.75	
3	13	16.3	24.05	M20	56	20.95	14.85	4.25	2.25	
4	25	19.6	29.1	M24	65.5	25.55	17.95	5.25	2.75	



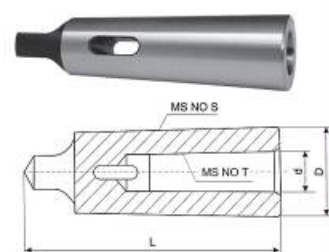
Втулка преходна от МК към цилиндричен захват

МК №	d mm	D mm	L mm	цена лв.
МК1	2.24-8.0	12.31	67	
МК2	4.75-12	18.06	80	
МК3	11.5-18	24.15	80	
МК4	16-25	31.66	90	
МК5	19-30	44.7	160.5	



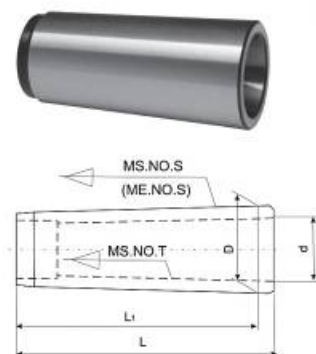
Втулка преходна с лапка

MS.NO.S ME.NO.S	MS.NO.T	L mm	L ₁ mm	D mm	d mm	цена лв.
MS2	1	60	56	17.780	12.065	
MS3	2	70	66	23.825	17.780	
MS4	3	70	63.5	31.267	23.825	
MS5	2	77	70.5	44.399	17.780	
MS5	3	77	70.5	44.399	23.825	
MS5	4	77	70.5	44.399	31.267	
MS6	3	110	103.5	63.348	23.825	
MS6	4	110	103.5	63.348	31.267	
MS6	5	110	103.5	63.348	44.399	



Втулка преходна

MS.NO.S ME.NO.S	MS.NO.T	L mm	L ₁ mm	D mm	d mm	цена лв.
MS2	1	60	56	17.780	12.065	
MS3	2	70	66	23.825	17.780	
MS4	3	70	63.5	31.267	23.825	
MS5	2	77	70.5	44.399	17.780	
MS5	3	77	70.5	44.399	23.825	
MS5	4	77	70.5	44.399	31.267	
MS6	3	110	103.5	63.348	23.825	
MS6	4	110	103.5	63.348	31.267	
MS6	5	110	103.5	63.348	44.399	



Цанги серия "ER"

Тип	d H7	D	D ₁	D ₂	L	L ₁	L ₂	L ₃	цена лв.
ER8	≥ 1.0 ~ 5.0	8	8.45	6.5	13.5	2.98	1.5	1.2	
ER11	≥ 1.0 ~ 7.0	11	11.5	9.5	18.0	3.8	2.5	2.0	
ER16	≥ 1.0 ~ 2.5	16	17	13.8	27.5	6.26	4.0	2.7	
ER16	> 2.5 ~ 10.0	16	17	13.8	27.5	6.26	4.0	2.7	
ER20	≥ 1.0 ~ 2.5	20	21	17.4	31.5	6.36	4.8	2.8	
ER20	> 2.5 ~ 13.0	20	21	17.4	31.5	6.36	4.8	2.8	
ER25	≥ 1.0 ~ 2.5	25	26	22.0	34.0	6.66	5.0	3.1	
ER25	> 2.5 ~ 16.0	25	26	22.0	34.0	6.66	5.0	3.1	
ER32	≥ 2.0 ~ 2.5	32	33	29.2	40.0	7.16	5.5	3.6	
ER32	> 2.5 ~ 20.0	32	33	29.2	40.0	7.16	5.5	3.6	
ER40	≥ 3.0 ~ 26.0	40	41	36.2	46.0	7.66	7.0	4.1	
ER50	≥ 6.0 ~ 10.0	50	52	46.0	60.0	12.6	8.5	5.5	
ER50	> 10.0 ~ 34.0	50	52	46.0	60.0	12.6	8.5	5.5	



дорници за CNC машини, балансирани 6.5G, 15000 об./мин.

Цанги серия "ERG" за метчици

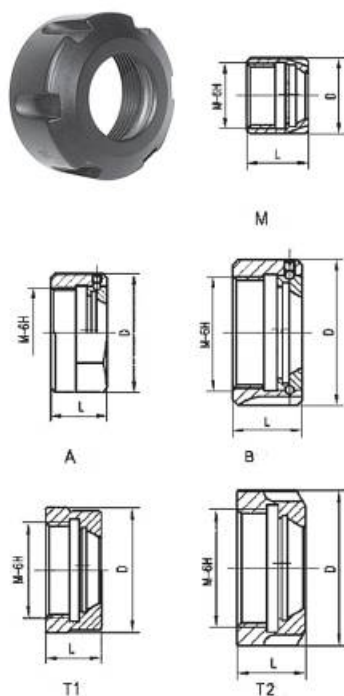
Тип	ER16G-d	ER20G-d	ER25G-d	ER32G-d	ER40-d	цена лв.
D	16	20	25	32	40	
L	27.5	31.5	34	40	46	
d	3.5 ~ 8	3.5 ~ 16	3.5 ~ 16	3.5 ~ 20	3.5 ~ 25	

dxa	3.5X2.7	4.0X3.0	4.5X3.4	5.5X4.3	6.0X4.9	7.0X5.5
	8.0X6.2	9.0X7.0	10X8.0	11X9.0	12X9.0	14X11
	16X12	18X14.5	20X16	22X18	25X20	



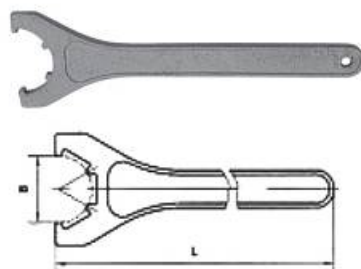
Капачка за цангови дорници

Тип	D mm	L mm	M	цена лв.
A	19	11.3	M14 x 0.75	
A	28	17.5	M22 x 1.5	
A	34	19	M25 x 1.5	
B	42	20	M32 x 1.5	
B	50	22.5	M40 x 1.5	
B	63	25.5	M50 x 1.5	
M	12	12	M10 x 0.75	
M	16	12	M13 x 0.75	
M	22	18	M19 x 1	
M	28	19	M24 x 1	
M	35	20	M30 x 1	
T1	19	11.3	M14 x 0.75	
T1	28	17.5	M22 x 1.5	
T1	34	19	M25 x 1.5	
T2	42	20	M32 x 1.5	
T2	50	22.5	M40 x 1.5	
T2	63	25.5	M50 x 1.5	



Ключ

B mm	L mm	Затягаща гайка	цена лв.
37	210	ER25-B ER25-T2	
45	250	ER32-B ER32-T2	
58	290	ER40-B ER40-T2	



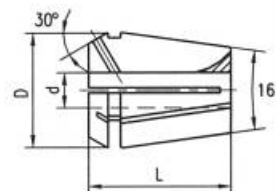
Цанги серия "EOC"

Тип	D ₁ mm	D mm	d mm	L mm	L ₁ mm	L ₂ mm	L ₃ mm	цена лв.
EOC16B	25.5	22.65	2 ~ 16	40	5.5	1.2	9.5	
EOC20B	29.8	27.4	2 ~ 20	45	6	1.35	10	
EOC25B	35.05	32.9	2 ~ 25	52	6	1.4	10	
EOC32B	43.7	41.3	4 ~ 32	60	6	1.45	11	
EOC40B	52.2	49.7	6 ~ 40	68	6	1.45	12	
EOC50B	63.8	61.1	8 ~ 50	80	7	1.55	13	



Цанги за инструменти с вътрешно охлаждане "ERC"

Тип	D mm	L mm	d mm	цена лв.
ER11C-d	11.5	18	2 ~ 7	
ER16C-d	16.74	27.5	2 ~ 10	
ER20C-d	20.74	31.5	2 ~ 13	
ER25C-d	25.74	34	2 ~ 16	
ER32C-d	32.74	40	2 ~ 20	
ER40C-d	40.74	48	3 ~ 26	



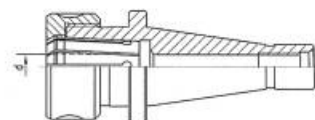
Комплект цанги "ER" с дорник

Тип mm	Размер на отвора mm	Брой	Опашка	цена лв.
ER16-8	2 3 4 5 6 7 8 10	8	MS2, MS3, MS4, MS5, ISO30, ISO40, ISO50	
ER25-10	3 4 5 6 8 10 12 14 15 16	10		
ER32-12	3 4 5 6 8 10 12 14 15 16 18 20	12		
ER140-15	3 4 5 6 8 10 12 14 15 16 18 20 22 24 26	15		



Комплект цанги "J7325" с дорник

Тип	Брой	d mm	Опашка	цена лв.
40-J7325/15mm	15	3 4 5 6 8 10 12 14 15 16 18 20 22	ISO40	
50-J7325/15mm		24 25	ISO50	



Комплект цанги

Код	Размери	цена лв.
415E - S	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	
462E - S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-25	
467E - S	5-6-7-8-10-12-14-16-18-20-22-24-25-28-30-32	
4008E - S	1-1.5-2-2.5-3-3.5-4-4.5-5-5.5-6-6.5-7	
426E - S	1-2-3-4-5-6-7-8-9-10	
428E - S	2-3-4-5-6-7-8-9-10-11-12-13	
430E - S	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	
470E - S	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20	
472E - S	4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21- 22-23-24-25-26	



дорници за CNC машини, балансиращи 6.5G, 15000 об./мин.

Комплект цанги

Код	Размери	цена лв.
415EP - S	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	
462EP - S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-25	
467EP - S	5-6-7-8-10-12-14-16-18-20-22-24-25-28-30-32	
4008EP - S	1-1.5-2-2.5-3-3.5-4-4.5-5-5.5-6-6.5-7	
426EP - S	1-2-3-4-5-6-7-8-9-10	
428EP - S	2-3-4-5-6-7-8-9-10-11-12-13	
430EP - S	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	
470EP - S	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20	
472EP - S	4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	



Комплект цанги за инструменти с вътрешно охлаждане

Код	Размери	цена лв.
426EA-S	3-4-5-6-7-8-9-10	
428EA-S	3-4-5-6-7-8-9-10-11-12-13	
430EA-S	3-4-5-6-7-8-9-10-11-12-13-14-15-16	
470EA-S	3-4-5-6-7-8-9-10-11-12-14-15-16-18-20	
472EA-S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-24-26	



Комплект цанги

Код	Размери	цена лв.
426EH-S	3-4-5-6-7-8-9-10	
428EH-S	3-4-5-6-7-8-9-10-11-12-13	
430EH-S	3-4-5-6-7-8-9-10-11-12-13-14-15-16	
470EH-S	3-4-5-6-7-8-9-10-11-12-14-15-16-18-20	
472EH-S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-24-26	



Комплект цанги с охлаждане

Код	Размери	цена лв.
426EC-S	3-4-5-6-7	
428EC-S	4-5-6-7-8-9	
430EC-S	3-4-5-6-7-8-9-10-11-12-13-14	
470EC-S	3-4-5-6-7-8-9-10-11-12-14-15-16-18-20	
472EC-S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-24-26	



Комплект цанги

Код	Размери	цена лв.
426ECC-S	3-4-5-6-7	
428ECC-S	4-5-6-7-8-9	
430ECC-S	3-4-5-6-7-8-9-10-11-12-13-14	
470ECC-S	3-4-5-6-7-8-9-10-11-12-14-15-16-18-20	
472ECC-S	4-5-6-7-8-9-10-11-12-14-16-18-20-22-24-26	



Комплект цанги за метчици с квадрат

Код	Размери	цена лв.
426G-S	3.5×2.7 - 4×3 - 4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2	
428G-S	3.5×2.7 - 4×3 - 4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8	
430G-S	3.5×2.7 - 4×3 - 4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8 - 11×9 - 12×9	
470G-S	4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8 - 11×9 - 12×9 - 14×11 - 16×12	
472G-S	6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8 - 11×9 - 12×9 - 14×11 - 16×12 - 18×14.5 - 20×16	



Комплект цанги с охлаждане

Код	Размери	цена лв.
426GC-S	3.5×2.7 - 4×3 - 4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2	
428GC-S	3.5×2.7 - 4×3 - 4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8	
430GC-S	3.5×2.7 - 4×3 - 4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8 - 11×9 - 12×9	
470GC-S	4.5×3.4 - 6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8 - 11×9 - 12×9 - 14×11 - 16×12	
472GC-S	6×4.9 - 7×5.5 - 8×6.2 - 9×7 - 10×8 - 11×9 - 12×9 - 14×11 - 16×12 - 18×14.5 - 20×16	



дорници за CNC машини, балансирани 6.5G, 15000 об./мин.



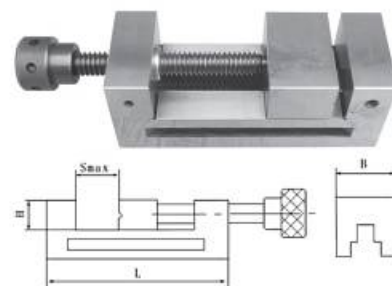
МЕНГЕМЕТА

Прецизно менгеме стоманено, QGG

- твърдостта на работната повърхност достига HRC58 ~ 62

- паралелизъм 0.005mm/100mm

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
QGG50	50	25	65	155	
QGG60	60	25	55	110	
QGG63	63	32	85	190	
QGG73	73	35	100	210	
QGG80	80	40	100	220	
QGG88	88	40	125	250	
QGG100	100	45	125	260	
QGG125	125	50	160	300	
QGG125A	125	50	210	350	
QGG150	150	50	175	315	

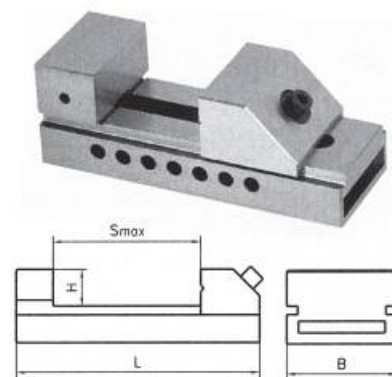


Прецизно менгеме стоманено, QKG

- твърдостта на работната повърхност достига HRC58 ~ 62

- паралелизъм 0.005mm/100mm

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
QKG25	26	9.15	22	65.4	
QKG36	36	20	40	100	
QKG38	38	20	44	105	
QKG50	50	25	65	140	
QKG63	63	32	85	175	
QKG73	73	35	100	190	
QKG80	80	40	100	200	
QKG88	88	40	125	235	
QKG100	100	45	125	245	
QKG125	125	50	160	285	
QKG150	150	50	200	330	
QKG150A	150	50	250	380	
QKG150B	150	50	300	430	

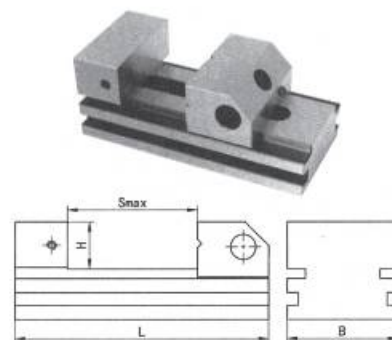


Прецизно менгеме стоманено, 28600

- твърдостта на работната повърхност достига HRC58 ~ 62

- паралелизъм ≤0.002mm

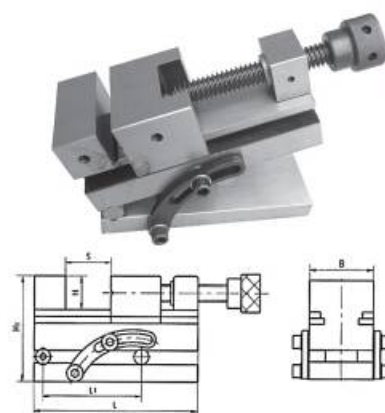
Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
28600 110	34	15	25	75	
28600 120	45	20	50	110	
28600 130	70	30	80	160	
28600 140	90	40	120	210	
28600 150	120	40	150	280	



Прецизно накланящо менгеме, ZXQGG

- твърдостта на работната повърхност достига HRC58 ~ 62
- паралелизъм 0.005mm/100mm

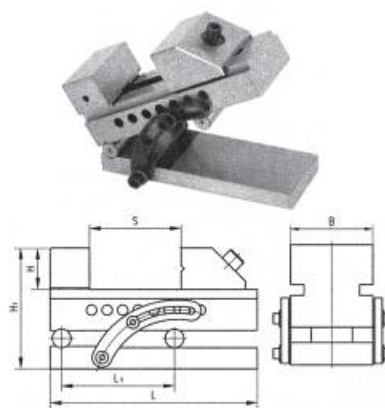
Кат. №	B mm	H mm	H ₁ mm	S _{max} mm	L mm	L ₁ mm	Регулируем ъгълен обхват	цена лв.
ZXQGG50	50	25	86.6	60	140	100	0 ~ 45°	
ZXQGG63	63	32	94.6	85	175	100		
ZXQGG73	73	35	111	90	190	100		
ZXQGG80	80	40	121	95	200	100		
ZXQGG88	88	40	125	120	235	100		
ZXQGG100	100	45	139.2	125	245	100		
ZXQGG125	125	50	154.2	160	285	200		
ZXQGG150	150	50	160.9	190	330	200		



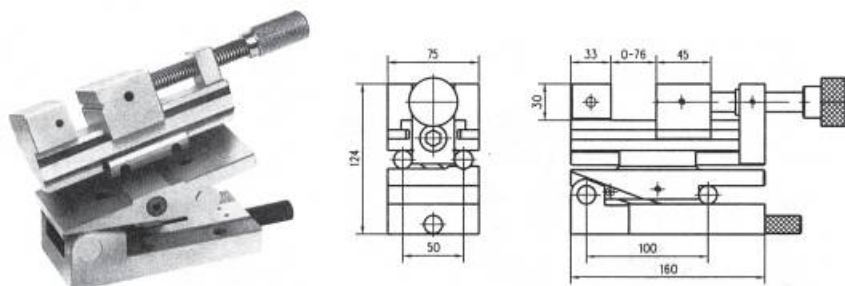
Прецизно накланящо менгеме, ZXQKG

- твърдостта на работната повърхност достига HRC58 ~ 62
- паралелизъм 0.005mm/100mm

Кат. №	B mm	H mm	H ₁ mm	S _{max} mm	L mm	L ₁ mm	Регулируем ъгълен обхват	цена лв.
ZXQKG50	50	25	79.36	65	140	100	0 ~ 45°	
ZXQKG63	63	32	92.36	85	175	100		
ZXQKG73	73	35	104	100	190	100		
ZXQKG80	80	40	117	100	200	100		
ZXQKG88	88	40	122	125	235	100		
ZXQKG100	100	45	134.08	125	245	100		
ZXQKG125	125	50	144.08	160	285	200		
ZXQKG150	150	50	150.9	200	330	200		

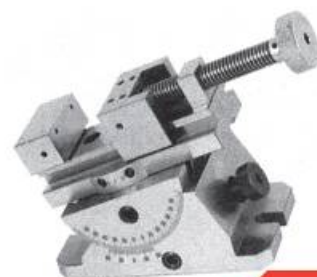


Прецизно двойно-накланящо менгеме, SZXQGG75



Прецизно универсално менгеме, CHM

Кат. №	B mm	H mm	S _{max} mm	цена лв.
CHM80	70	30	80	
CHM120	120	40	155	

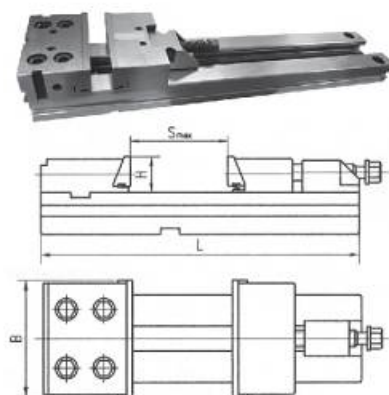


Прецизно менгеме модулно

- твърдостта на работната повърхност достига HRC58 ~ 62

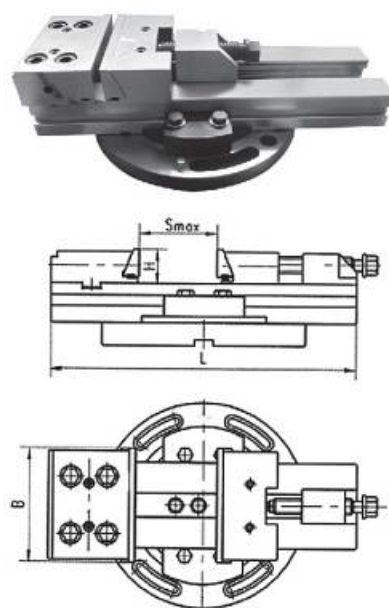
- паралелизъм 0.005mm/100mm

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
GT100- I	100	30	100	270	
GT125- I	125	40	150	345	
GT150A- I	150	50	200	420	
GT150B- I	150	50	300	520	
GT150C- I	150	50	400	620	
GT175A- I	175	60	200	455	
GT175B- I	175	60	300	555	
GT175C- I	175	60	400	655	
GT175D- I	175	60	500	755	
GT175E- I	175	60	600	855	
GT200A- I	200	65	200	495	
GT200B- I	200	65	300	595	
GT200C- I	200	65	400	695	
GT200D- I	200	65	500	795	
GT200E- I	200	65	600	895	
GT300A- I	300	80	200	535	
GT300B- I	300	80	300	635	
GT300C- I	300	80	400	735	
GT300D- I	300	80	500	835	
GT300E- I	300	80	600	935	
GT300F- I	300	80	700	1035	
GT300G- I	300	80	800	1135	



Прецизно менгеме модулно с въртяща маса

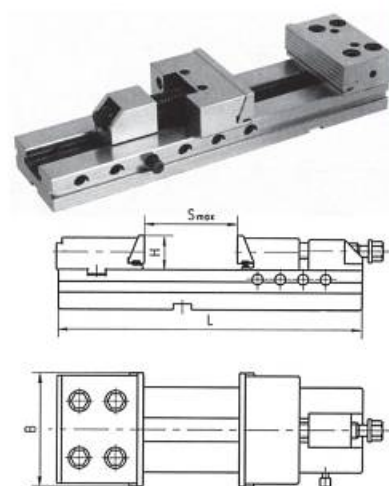
Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
GT100- II	100	30	100	270	
GT125- II	125	40	150	345	
GT150A- II	150	50	200	420	
GT150B- II	150	50	300	520	
GT150C- II	150	50	400	620	
GT175A- II	175	60	200	455	
GT175B- II	175	60	300	555	
GT175C- II	175	60	400	655	
GT175D- II	175	60	500	755	
GT175E- II	175	60	600	855	
GT200A- II	200	65	200	495	
GT200B- II	200	65	300	595	
GT200C- II	200	65	400	695	
GT200D- II	200	65	500	795	
GT200E- II	200	65	600	895	
GT300A- II	300	80	200	535	
GT300B- II	300	80	300	635	
GT300C- II	300	80	400	735	
GT300D- II	300	80	500	835	
GT300E- II	300	80	600	935	
GT300F- II	300	80	700	1035	
GT300G- II	300	80	800	1135	



Бързозатягащо прецизно менгеме модулно

- паралелизъм 0.005mm/100mm

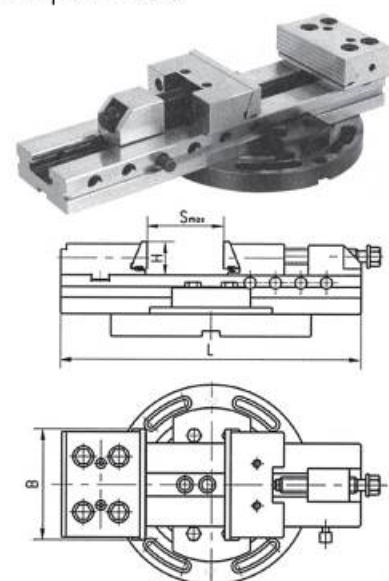
Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
GT125- III	125	40	150	345	
GT150A- III	150	50	200	420	
GT150B- III	150	50	300	520	
GT175C- III	175	60	400	655	



МЕНГЕМА

Бързозатягащо прецизно менгеме модулно с въртяща маса

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
GT125- IV	125	40	150	345	
GT150A- IV	150	50	200	420	
GT150B- IV	150	50	300	520	
GT175C- IV	175	60	400	655	

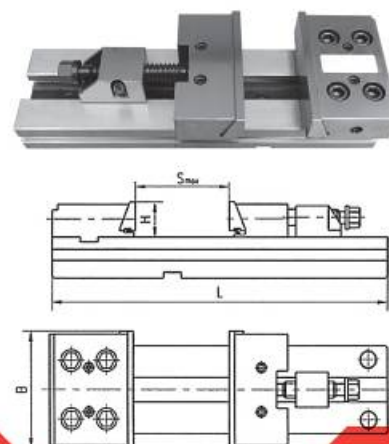


Прецизно хоризонтално-вертикално менгеме, ZQ80

- паралелизъм 0.005mm/100mm

- перпендикулярност 0.005mm

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
ZQ80100	100	30	100	270	
ZQ80125	125	40	150	345	
ZQ80150	150	50	200	420	
ZQ80150A	150	50	300	520	
ZQ80175	175	60	200	455	
ZQ80175A	175	60	300	555	
ZQ80175B	175	60	400	655	
ZQ80175C	175	60	500	755	
ZQ80200	200	65	200	495	
ZQ80200A	200	65	300	595	
ZQ80200B	200	65	400	695	
ZQ80200C	200	65	500	795	
ZQ80200D	200	65	600	895	

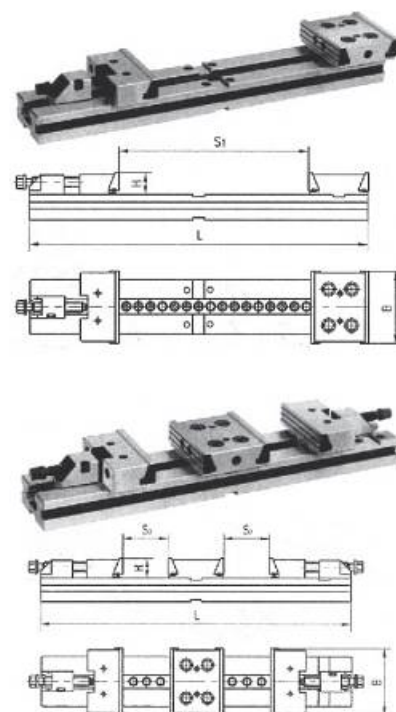


Единично-дълго и двойно отварящо менгеме, ZQ83

- твърдостта на работната повърхност достига HRC58 - 62

- паралелизъм 0.005mm/100mm

Кат. №	S1 mm	Кат. №	S2 mm	B mm	H mm	L mm	цена лв.
ZQ83100	290	ZQ83100 (I)	2x90	100	30	460	
ZQ83125	320	ZQ83125 (I)	2x100	125	40	520	
ZQ83150	360	ZQ83150 (I)	2x110	150	50	580	
ZQ83150A	460	ZQ83150A (I)	2x160	150	50	680	
ZQ83175	400	ZQ83175 (I)	2x120	175	60	666	
ZQ83175A	500	ZQ83175A (I)	2x170	175	60	766	
ZQ83175B	600	ZQ83175B (I)	2x220	175	60	866	
ZQ83175C	700	ZQ83175C (I)	2x270	175	60	966	
ZQ83200	500	ZQ83200 (I)	2x150	200	65	805	
ZQ83200A	600	ZQ83200A (I)	2x200	200	65	905	
ZQ83200B	700	ZQ83200B (I)	2x250	200	65	1005	
ZQ83200C	800	ZQ83200C (I)	2x300	200	65	1105	
ZQ83200D	900	ZQ83200D (I)	2x350	200	65	1205	



Модули

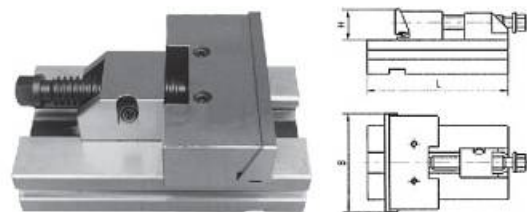
- твърдостта на работната повърхност достига HRC58 - 62

- паралелизъм 0.005mm/100mm

- перпендикулярност 0.005mm

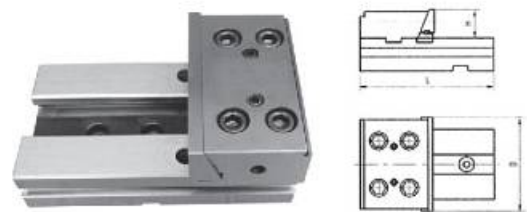
Подвижна челюст

Кат. №	L mm	B mm	H mm	цена лв.
ZQ84100- I	140	100	30	
ZQ84125- I	160	125	40	
ZQ84150- I	230	150	50	
ZQ84175- I	240	175	60	
ZQ84200- I	300	200	65	



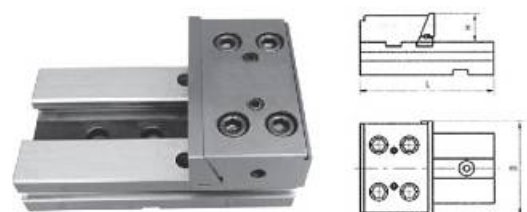
Фиксирана челюст

Кат. №	L mm	B mm	H mm	цена лв.
ZQ84100- II	140	100	30	
ZQ84125- II	160	125	40	
ZQ84150- II	230	150	50	
ZQ84175- II	240	175	60	
ZQ84200- II	300	200	65	



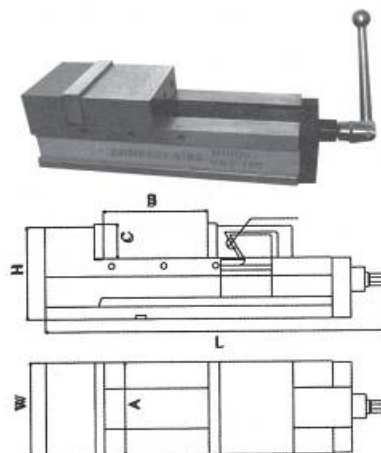
Двойно фиксирана челюст

Кат. №	L mm	B mm	H mm	цена лв.
ZQ84100- III	140	100	30	
ZQ84125- III	160	125	40	
ZQ84150- III	230	150	50	
ZQ84175- III	240	175	60	
ZQ84200- III	300	200	65	



Менгеме, серия за CNC машини

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
CNC 100	100	48	125	430	
CNC 130	130	55	240	495	
CNC 160	160	58	240	585	
CNC 200	200	63	280	670	



МЕНГЕМА

Универсално силово менгеме, ZQ53

- направено от легирана стомана
- твърдостта на работната повърхност достига HRC58 - 62
- паралелизъм 0.005mm/100mm
- перпендикулярност 0.005mm
- широко използвана на машинни центри и други прецизни машинни инструменти

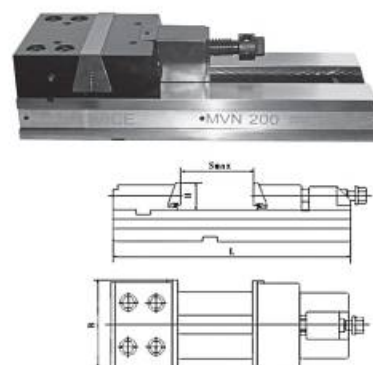
Кат. №	Ширина на челюст mm	Дълбочина на челюст mm	Макс. отваряне mm	Дължина mm	Външен размер mm	цена лв.
ZQ53100	100	48.5	125	532	2500	
ZQ53130	130	53	180	580	3500	
ZQ53160	160	63	240	680	5500	
ZQ53200	200	63	280	732	5500	



Прецизно менгеме, MVN

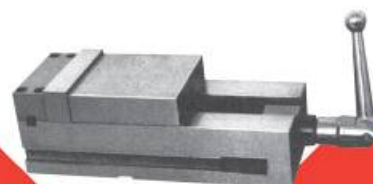
- направено от легирана стомана
- твърдостта на работната повърхност достига HRC58 - 62
- паралелизъм $\leq 0.015\text{mm}/100\text{mm}$
- перпендикулярност $\leq 0.003\text{mm}$

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
MVN125	124	40	140	323	
MVN150	149	52	210	423	
MVN175	174	58	240	470	
MVN200	199	66	270	520	
MVN250	249	74	340	600	



Менгеме, QM16N

Кат. №	B mm	H mm	Smax mm	L mm	цена лв.
QM1680N	80	24	75	256	
QM16100N	100	32	100	305	
QM16160N	160	45	140	438	
QM16200N	200	50	190	517	
QM16250N	250	70	250	656	



Менгеме с въртяща маса, с чугунен корпус, QM

- паралелизъм 0.025mm/100mm
- перпендикулярност 0.025mm

Кат. №	Ширина на челюст mm	Височина на челюст mm	Макс. отваряне mm	цена лв.
QM161100	100	32	100	
QM161125	125	40	125	
QM161160	160	45	140	
QM161200	200	50	190	



Менгеме чугунено, QH (Q12)

- паралелизъм 0.025mm/100mm
- перпендикулярност 0.025mm

Кат. №	Ширина на челюст mm	Височина на челюст mm	Макс. отваряне mm	цена лв.
QH80	80	32	63	
QH100	100	35	80	
QH125	125	40	100	
QH160	160	52	125	
QH200	200	63	160	



Менгеме синусово с чугунен корпус, QHK (Q41)

- паралелизъм 0.025mm/100mm
- перпендикулярност 0.025mm

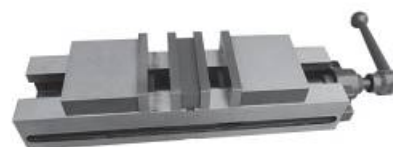
Кат. №	Ширина на челюст mm	Височина на челюст mm	Макс. отваряне mm	цена лв.
QHK100	100	41	80	
QHK125	125	46	100	
QHK125L	125	46	140	
QHK160	160	50	125	



Двойно затягащо менгеме за 2 детайла, Q93

- твърдостта на работната повърхност достига HRC50 - 60
- паралелизъм 0.025mm/100mm
- перпендикулярност 0.025mm

Кат. №	Ширина на челюст mm	Височина на челюст mm	Макс. отваряне mm	цена лв.
Q93100	100	35	76	
Q93160	160	50	100	



Менгеме шлосерско

Маса kg	цена лв.
16	
26	
36	



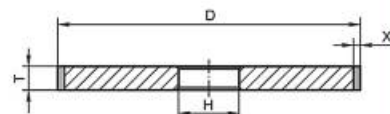
АБРАЗИВНИ ИНСТРУМЕНТИ

Диамантени и CBN инструменти на органична свързка - Форма 1A1

Използване: диамантени и елборни шайби за кръгло, плоско и безцентрово шлифование.

D mm	T mm	H mm	X mm	цена лв.
25	10	8	3	
40	6	20	3	
40	10	13	3	
40	10	16	3	
40	10	20	3	
50	6	20	3	
50	10	16	3	
50	10	20	3	
75	6	20	3	
80	4	10	3	
80	6	20	3	
80	6	32	3	
80	8	20	3	
80	10	20	3	
100	5	20	3	
100	5	20	10	
100	5	32	3	
100	6	20	3	
100	6	20	5	
100	6	20	10	
100	6	31.75	5	
100	6	32	3	
100	8	20	3	
100	8	20	10	
100	8	32	3	
100	10	20	3	
100	10	20	5	
100	10	32	3	
100	12	20	3	
100	12	20	5	
100	15	20	3	
100	16	20	3	
100	20	20	3	
100	60	32	3	
110	13	31.75	5	
115	5	32	6	
125	3	32	3	
125	5	20	2	
125	5	20	5	
125	5	32	3	
125	6	31.75	5	
125	6	32	3	
125	6	32	5	
125	6.5	31.75	5	
125	8	32	5	
125	10	19.05	5	
125	10	20	3	
125	10	20	5	

D mm	T mm	H mm	X mm	цена лв.
125	10	32	3	
125	10	32	5	
125	12	20	5	
125	12	20	10	
125	15	20	5	
125	15	32	5	
125	20	32	3	
130	13	31.75	5	
150	5	31.75	6	
150	5	32	3	
150	6	20	3	
150	6	31.75	3	
150	6	32	3	
150	6	32	5	
150	10	12.7	3	
150	10	20	3	
150	10	31.75	3	
150	10	31.75	5	
150	10	32	3	
150	10	32	5	
150	12	31.75	5	
150	13	31.75	5	
150	20	32	3	
150	20	32	5	
175	6	31.75	5	
175	8	31.75	5	
175	10	31.75	5	
175	13	31.75	5	
175	13	32	5	
175	50	76	5	
180	10	31.75	5	
180	13	31.75	5	
180	15	31.75	5	
200	5	76	3	
200	6	31.75	5	
200	6	76	5	
200	10	31.75	5	
200	10	32	3	
200	10	32	5	
200	10	51	3	
200	10	51	5	
200	10	60	5	
200	10	76	3	
200	10	76	5	
200	10	76	5	
200	15	51	5	
200	20	32	3	
200	20	32	5	



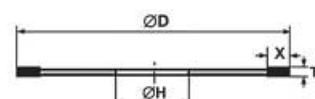
D mm	T mm	H mm	X mm	цена лв.
200	20	76	3	
200	20	76	5	
200	25	32	5	
200	40	76	5	
250	10	51	3	
250	10	76	3	
250	10	76	5	
250	10	127	3	
250	16	51	5	
250	16	76	5	
250	16	127	5	
250	20	76	5	
250	25	76	5	
250	40	76	5	
300	10	76	5	
300	15	76	3	
300	15	76	5	
300	16	127	5	
300	20	76	5	
300	20	127	5	
300	30	127	5	
300	40	76	5	
300	40	127	5	
350	10	127	5	
350	16	76	5	
350	16	127	5	
350	20	127	5	
350	25	127	5	
350	30	127	5	
350	30	150	5	
350	40	127	5	
350	40	150	5	
400	10	127	5	
400	15	127	5	
400	15	203	5	
400	20	127	5	
400	20	127	5	
400	25	127	5	
400	25	203	5	
400	30	203	5	
400	40	127	5	
400	40	203	5	

Диамантени и CBN инструменти на органична свързка - Форма 1A1R

Използване: рязане на твърдосплавни и неметални заготовки, профилно шлайфане.

D mm	T mm	H mm	X mm	цена лв.
50	1.5	12	5	
75	0.8	20	5	
100	0.8	20	5	
100	1	20	5	
125	0.8	32	5	
125	1	25	5	
125	1	32	5	
125	1.2	20	5	
125	1.2	32	5	
150	0.8	32	5	
150	1	20	5	

D mm	T mm	H mm	X mm	цена лв.
150	1	32	5	
150	1.2	20	5	
150	1.2	32	5	
150	1.5	32	5	
175	1.5	32	5	
200	1	32	5	
200	1	50	4	
200	1	50	5	
200	1.2	32	5	
200	1.2	32	5	
200	1.5	32	5	



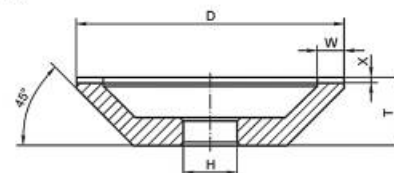
D mm	T mm	H mm	X mm	цена лв.
200	2	32	5	
250	1.2	32	5	
300	1.5	32	5	
300	2.2	32	5	
350	1.5	127	5	
350	1.9	127	5	

Диамантени и CBN инструменти на органична свързка - Форма 12A2-45°

Използване: диамантени и елборни шайби за заточване на режещи твърдосплавни инструменти.

D mm	T mm	H mm	W mm	X mm	цена лв.
50	20	16	3	3	
50	21	16	3	2	
50	23	16	3	6	
75	25	20	3	3	
75	25	20	5	3	
75	28	20	3	6	
75	28	20	6	3	
80	25	20	3	3	
80	25	20	5	3	
100	32	20	3	3	
100	32	20	5	3	
100	32	20	10	3	
100	32	25	10	3	
100	32	32	5	3	
100	35	20	5	6	
125	32	20	3	3	
125	32	20	5	3	
125	32	20	10	3	
125	32	32	3	3	
125	32	32	5	3	
125	32	32	10	3	
125	32	32	10	6	
125	35	20	5	6	

D mm	T mm	H mm	W mm	X mm	цена лв.
125	35	20	10	6	
125	35	32	3	6	
125	35	32	5	6	
125	35	32	10	6	
125	40	32	5	3	
125	40	32	10	3	
125	42	32	5	5	
125	42	32	10	5	
150	26	32	6	3	
150	32	32	5	3	
150	32	32	6	3	
150	32	32	10	3	
150	32	32	20	3	
150	32	51	20	3	
150	35	32	3	6	
150	35	32	5	6	
150	35	32	10	6	
150	35	32	20	6	
150	40	32	5	3	
150	40	32	10	3	
150	40	32	20	3	
150	42	32	5	5	
150	42	32	10	5	

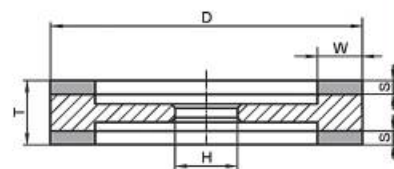


D mm	T mm	H mm	W mm	X mm	цена лв.
150	42	32	20	5	
200	26	51	20	3	
200	40	32	10	3	
200	40	32	20	3	
200	40	51	10	3	
200	40	51	20	3	
200	43	32	10	6	
200	43	51	10	6	
200	43	51	20	6	
200	50	32	10	3	
200	50	32	20	3	
200	50	51	10	3	
200	50	51	20	3	
200	52	32	10	5	
200	52	32	20	5	
200	52	51	10	5	
200	52	51	20	5	
200	52	75	10	5	

Диамантени и CBN инструменти на органична свързка - Форма 9A3

Използване: диамантени и елборни шайби за заточване на режещи твърдосплавни инструменти, шлифование на чела на заготовки.

D mm	T mm	H mm	W mm	S mm	цена лв.
100	20	20	5	2	
150	20	32	10	3	
200	20	32	10	3	
200	20	32	20	3	
200	20	76	10	3	

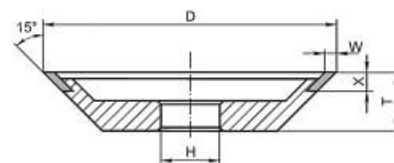


Диамантени и CBN инструменти на органична свързка - Форма 12V9-45°

Използване: диамантени и елборни шайби за заточване на режещи твърдосплавни инструменти, профилно шлифование.

D mm	T mm	H mm	X mm	W mm	цена лв.
75	20	20	10	2	
75	20	20	10	2	
100	20	20	10	2	
100	20	20	10	2	
100	20	20	10	3	

D mm	T mm	H mm	X mm	W mm	цена лв.
125	25	20	10	2	
125	25	20	10	2	
125	25	20	10	3	
150	25	32	10	2	

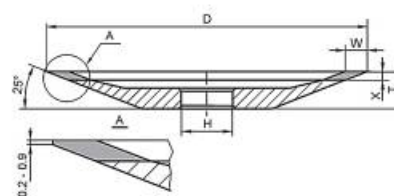


Диамантени и CBN инструменти на органична свързка - Форма 12R4

Използване: диамантени и елборни шайби за заточване на режещи твърдосплавни инструменти, заточване по преден ъгъл на циркуляри с твърдосплавни зъби.

D mm	T mm	H mm	W mm	X mm	цена лв.
50	6	16	2	1.5	
75	10	20	2	3	
75	10	25	2	3	
80	10	20	2	3	
80	10	20	2	3	
100	10	20	2	3	
100	10	20	3	3	
100	10	25	3	3	
100	10	25	3	3	
100	10	32	2	3	
100	10	32	3	3	

D mm	T mm	H mm	W mm	X mm	цена лв.
125	12	32	2	3	
125	12	32	3	2	
125	12	32	4	3	
125	13	32	2	3	
125	13	32	3	2	
125	13	32	4	3	
150	16	20	5	3	
150	16	32	3	5	
150	16	32	5	3	
150	16	32	5	5	

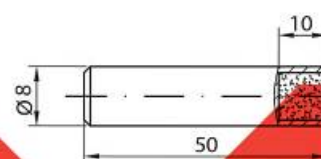


Диамантени многозърнести изравнители - Диамантен молив тип "Н"

Равномерно разпределен диамант в обема на изравнителя

Модел	Зърненост на диаманта	цена лв.
H1-0	45/38M	
H1-1	53/45M	
H1	63/50M	
H2	100/80M	
H3	160/125M	

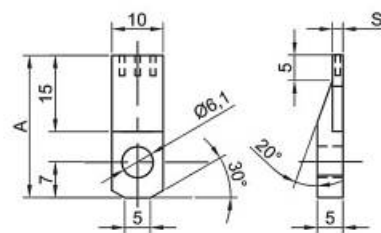
Модел	Зърненост на диаманта	цена лв.
H4	250/200M	
H5	400/315M	
H6	630/500M	
H7	700/600M	
H8	800/700M	



Размери на изравнителя:
Ø8x40
Ø10x60

Диамантени многозърнести изравнители - Диамантени плочки

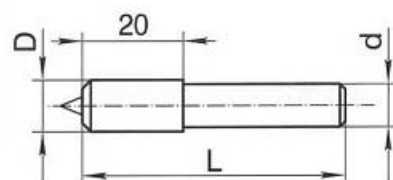
В ширина на плочката mm	Е mm	Т дебелина на диамант. слой mm	Л дължина на плочката mm	цена лв.
10	10/15	0.75	28/33	
15	10	0.90	28	
20	10	1.11	33	



Диамантени еднозърнести изравнители - Тип II

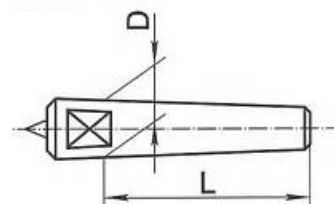
D mm	d mm	L mm	цена лв.
12	8	50	
12	8	60	
12	10	50	
12	10	60	

D mm	d mm	L mm	цена лв.
14	10	50	
14	10	60	



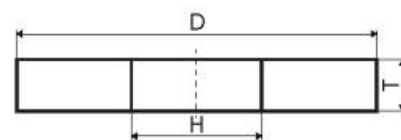
Диамантени еднозърнести изравнители - Тип III

конус	D mm	L mm	A x B	цена лв.
МК0	9.045	31.5	12 x 16	
МК1	12.065	49	14 x 20	



Абразивни дискове с керамична свръзка

D mm	T mm	H mm	цена лв.	D mm	T mm	H mm	цена лв.
125	10	20		250	20	76	
125	13	20		250	25	76	
125	16	20		250	32	76	
125	20	20		250	40	76	
125	25	20		300	25	32	
125	10	32		300	32	32	
125	13	32		300	40	32	
125	16	32		300	50	32	
125	20	32		300	25	76	
125	25	32		300	32	76	
150	10	20		300	40	76	
150	13	20		300	50	76	
150	16	20		300	25	127	
150	20	20		300	32	127	
150	25	20		300	40	127	
150	10	32		300	50	127	
150	13	32		350	32	76	
150	16	32		350	40	76	
150	20	32		350	50	76	
150	25	32		350	63	76	
200	20	20		350	100	76	
200	25	20		350	32	127	
200	32	20		350	40	127	
200	40	20		350	50	127	
200	20	32		350	63	127	
200	25	32		350	100	127	
200	32	32		400	40	127	
200	40	32		400	50	127	
250	20	32		400	63	127	
250	25	32		400	80	127	
250	32	32		400	100	127	
250	40	32		400	40	203	



D mm	T mm	H mm	цена лв.
400	50	203	
400	63	203	
400	80	203	
400	100	203	
450	40	127	
450	50	127	
450	63	127	
450	80	127	
450	100	127	
450	40	203	
450	50	203	
450	63	203	
450	80	203	
450	100	203	
500	63	203	
500	80	203	
500	100	203	
500	150	203	
500	250	203	
600	63	305	
600	80	305	
600	100	305	
600	150	305	
600	250	305	
750	80	305	
750	100	305	



РЪЧНИ ИНСТРУМЕНТИ

Ключ гаечен

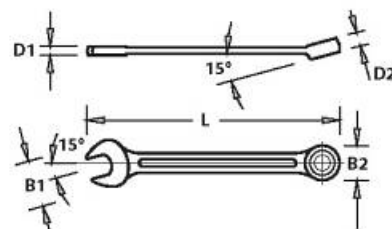
Размер	L mm	цена лв.	Размер	L mm	цена лв.
5x6	123		14x17	195	
5x7	123		15x16	190	
5.5x7	123		16x17	205	
6x8	123		16x18	205	
6x7	123		17x19	220	
7x8	123		17x21	220	
8x9	141		18x19	220	
8x10	141		19x21	236	
9x11	157		19x22	236	
10x11	157		19x24	246	
10x12	157		20x22	236	
10x13	172		21x23	246	
11x13	172		21x26	255	
11x12	172		22x24	246	
12x13	172		23x26	255	
12x14	180		24x26	255	
13x14	180		24x27	259	
13x17	195		24x30	286	
14x15	190		25x28	279	



Размер	L mm	цена лв.
26x29	286	
26x32	286	
27x29	286	
27x30	286	
27x32	286	
30x32	297	
30x34	350	
32x36	350	
34x36	350	
36x41	380	
38x42	380	
41x46	415	
46x50	465	
50x55	480	

Ключ звездогаечен

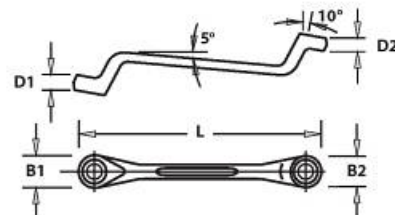
Размер	B ₁ mm	B ₂ mm	D ₁ mm	D ₂ mm	L mm	цена лв.
6	18.5	12	3.6	5.5	102.5	
7	20	13	3.6	5.5	112.2	
8	21	15	4.1	5.9	122.3	
9	23	16	4.3	6.5	132.5	
10	25	18	4.7	7	142.6	
11	27.2	19	5.1	7.5	153	
12	29.3	20	5.3	8	163	
13	31.4	22	5.9	8.5	173.3	
14	33.4	24	5.9	9	183.5	
15	35.5	25	6.2	9.3	193.6	
16	37.5	26.2	6.2	9.7	204	
17	39.5	28.2	6.5	10.4	214	
18	41.5	29.2	6.8	10.9	224	
19	43.5	31.5	7	11.4	234.5	
21	47.7	33.5	7.4	12.4	255	
22	50	35.5	8	13.3	265	
23	51.8	36.5	8.2	13.5	275	



Размер	B ₁ mm	B ₂ mm	D ₁ mm	D ₂ mm	L mm	цена лв.
24	54.8	38.5	8.4	14	285	
27	62	43.5	9	15.3	323.7	
30	66.5	46.3	9.8	16.8	346.1	
32	69	48.5	10.2	17.8	358.8	
36	74	55.4	12.2	20.9	388	
41	82.3	60	14.1	21.1	433	
46	95.2	71.6	16.5	25.2	540	

Ключ лула

Размер	B ₁ mm	B ₂ mm	D ₁ mm	D ₂ mm	L mm	цена лв.
6x7	14	12.6	7	6.4	179.8	
8x9	13.9	14.9	6.5	6.7	191.8	
10x11	16.7	18.4	8.3	8.6	197.1	
12x13	18.9	20.1	8.3	9.2	214.4	
14x15	21.9	23.1	9.1	9.9	227.9	
16x17	25.2	26.3	9.4	9.7	244.8	
18x19	27	27.5	11.1	11.4	261.9	
20x22	30.5	34.5	11.8	13.1	289.7	
21x23	31	35	13.4	13.9	313	
24x27	36.9	39.8	13.7	14.5	335	
25x28	36.5	39.6	13.2	14	355	
30x32	44.3	47.6	13.7	15.7	374	



Размер	B ₁ mm	B ₂ mm	D ₁ mm	D ₂ mm	L mm	цена лв.
36x41	54.9	61.9	20.7	21.1	450	
41x46	63.5	71.1	20.8	22.1	501	

“Гедоре” FORCE

Брой елементи в комплект	цена лв.
180	



Шестограми Г-образни

Брой елементи	цена лв.
9	



Шестограми Г-образни за работа под ъгъл

Брой елементи	цена лв.
9	



Шестограми Г-образни “TORX”

Брой елементи	цена лв.
15	



Пила плоска

L mm	цена, лв.		
	I-ва насечка	II-ра насечка	III-та насечка
100			
150			
200			
250			
300			



Пила обла

L mm	цена, лв.		
	I-ва насечка	II-ра насечка	III-та насечка
100			
150			
200			
250			
300			



Пила полуобла

L mm	цена, лв.		
	I-ва насечка	II-ра насечка	III-та насечка
100			
150			
200			
250			
300			



Пила триъгълна

L mm	цена, лв.		
	I-ва насечка	II-ра насечка	III-та насечка
100			
150			
200			
250			
300			



Отвертка плоска

Тип	l mm	L mm	цена лв.
5.5	125	230	
6.5	150	265	
8	150	275	
10	200	325	
12	200	325	



Отвертка кръстата

Тип	l mm	L mm	цена лв.
PZ.1	80	185	
PZ.2	100	215	
PZ.3	150	275	
PH.1	80	185	
PH.2	100	215	
PH.3	150	275	



Клещи комбинирани

L mm	цена лв.
160	
180	
200	



Клещи резачки

L mm	цена лв.
160	
200	



Клещи за зегерки - външни

Обхват mm	цена лв.	Обхват mm	цена лв.
8-25		40-100	
19-60		85-165	



Клещи за зегерки - вътрешни

Обхват mm	цена лв.	Обхват mm	цена лв.
8-25		40-100	
19-60		85-165	



Клещи за зегерки, извити - външни

Обхват mm	цена лв.	Обхват mm	цена лв.
8-25		40-100	
19-60		85-165	



Клещи за зегерки, извити - вътрешни

Обхват mm	цена лв.	Обхват mm	цена лв.
8-25		40-100	
19-60		85-165	



Тръбен ключ

L mm	Размер на захвата	цена лв.
330	1"	
420	1.1/2"	
530	2"	



Чук с ергономична дръжка

Тегло g	L mm	цена лв.
100	275	
200	280	
300	300	
400	310	
500	320	

Тегло g	L mm	цена лв.
600	330	
800	350	
1000	360	
1500	380	
2000	400	

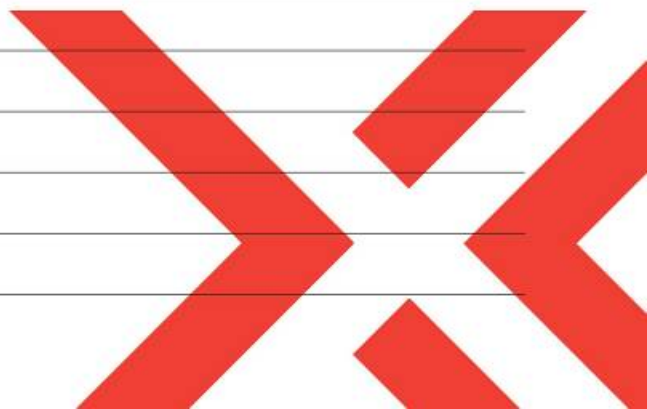


Чук гумен

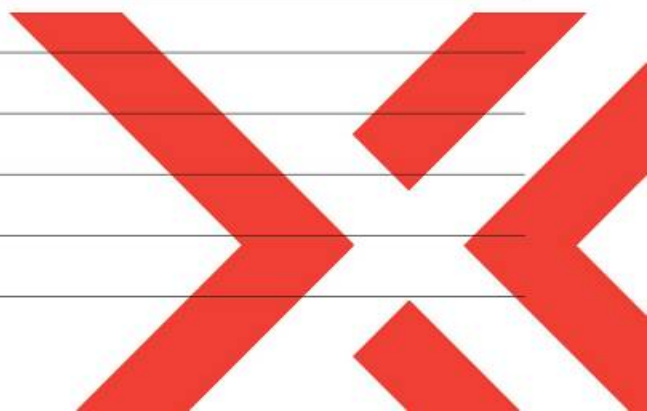
Тегло g	L mm	цена лв.
350	262	
520	280	

Тегло g	L mm	цена лв.
690	300	
940	320	





This image shows a full page of blank, lined paper. It features approximately 28 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color. There are no margins, text, or other markings present on the page.





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