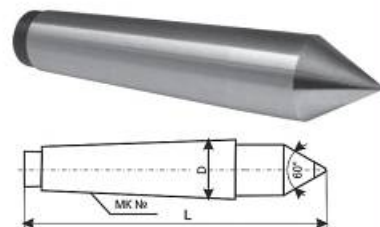


ЕКИПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

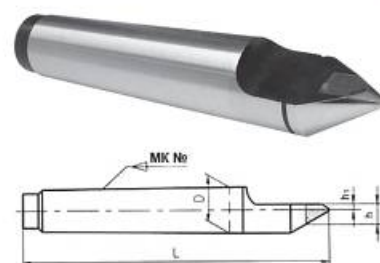
Център упорен прав

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	



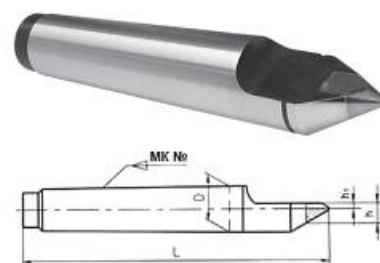
Център упорен скосен

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	



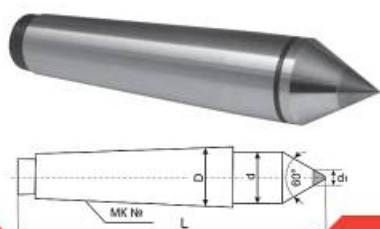
Център упорен скосен със запоен HW-връх

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		

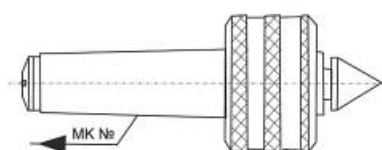


Център упорен прав със запоен HW-връх

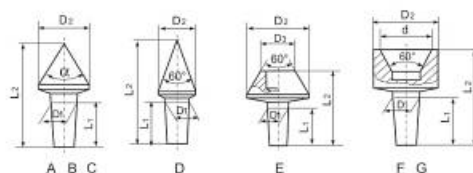
МК №	D mm	L mm	d mm	d ₁ mm	Точност mm	цена лв.
МК1	12.065	80	12.2	8	0.010	
МК2	17.780	100	18	8		
МК3	23.825	125	24.1	12		
МК4	31.267	160	31.6	15		
МК5	44.399	200	44.7	18		
МК6	63.348	270	63.8	24		
МК7	83.061	360	83.555	24		



Комплект упорен въртящ център

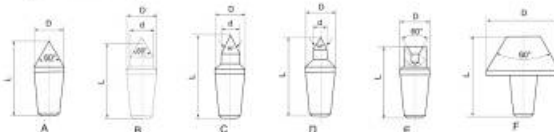
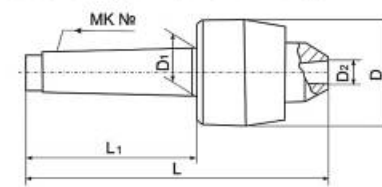


A: $\alpha = 60^\circ$
B: $\alpha = 75^\circ$



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

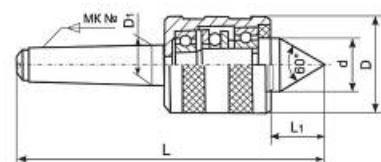


МК №	D	D ₁	L	L ₁	цена лв.
5	83	44.399	136	217	

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

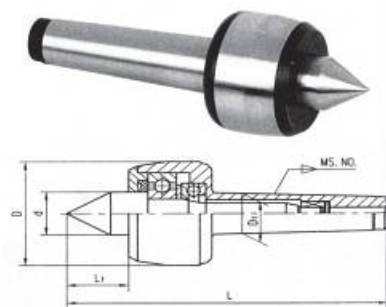
Въртящ център

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	



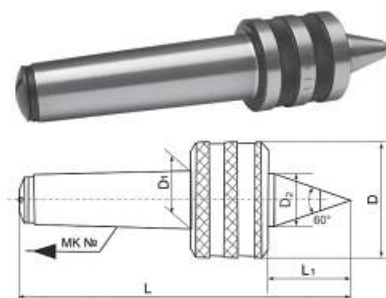
Прецизен въртящ център

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	



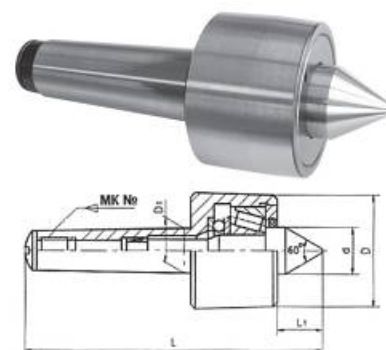
Въртящ център удължен

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	

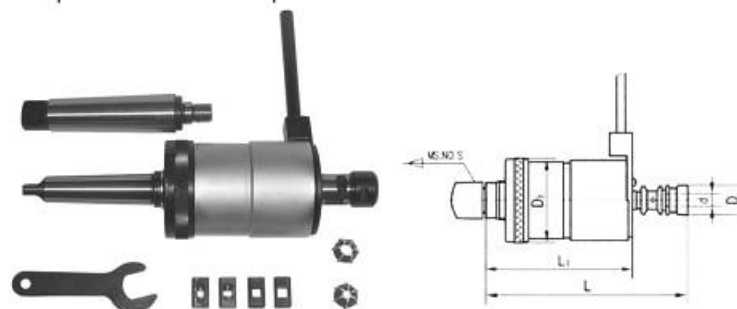


Резбонарезен патронник за адаптори

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	

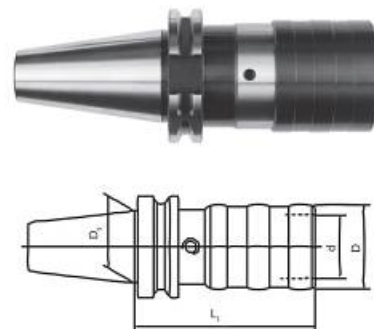
Бързосменнен патронник за свредла с конусни опашки

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	



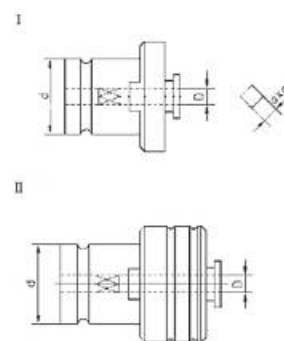
Дорник резбонарезен за адаптори

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		31		M10	M10	
8 x 6.2			M8			
9 x 7				M12	M12	
10 x 8			M10			
11 x 9	48			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		31		M27	M27	
22 x 18				M30	M30	
25 x 20				M33	M33	
28 x 22				M36	M36	



екипировка за металорежещи машини

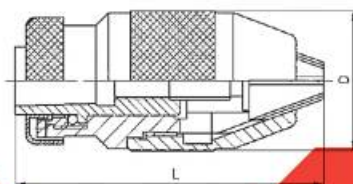
Патронник зъбчат с ключ

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	



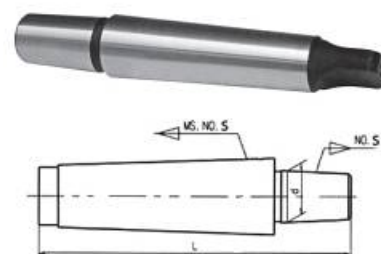
Патронник автоматичен самозатягащ

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	



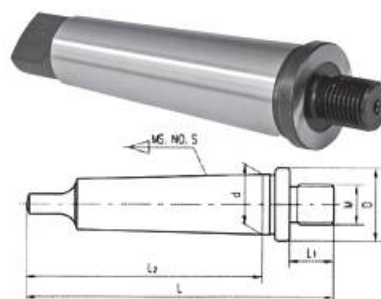
Дорник за патронник

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	



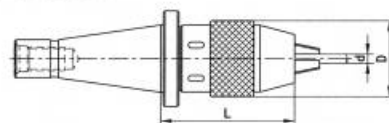
Дорник за патронник с резба

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	



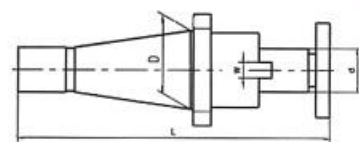
Дорник DIN2080 WELDON

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



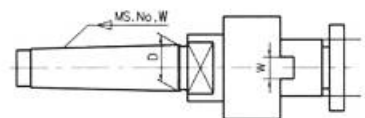
Дорник DIN2080 за фрези челно цилиндрични с челен съединител

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	



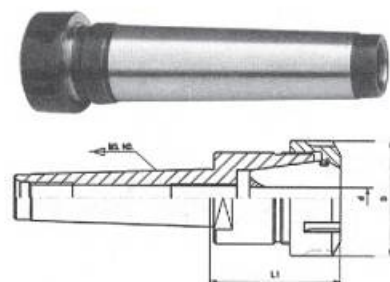
Дорник с морзов конус с челен съединител

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	



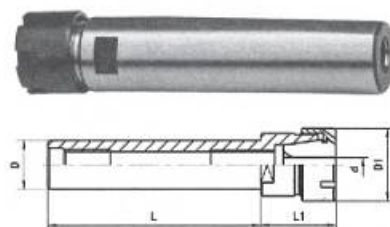
Патронник за цанги с конусна опашка

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	



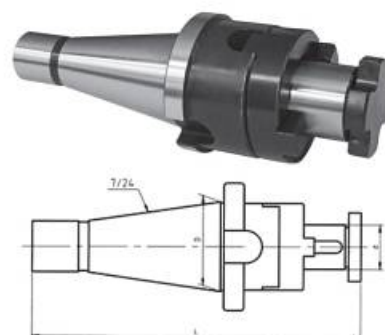
Цангов удължител

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	

