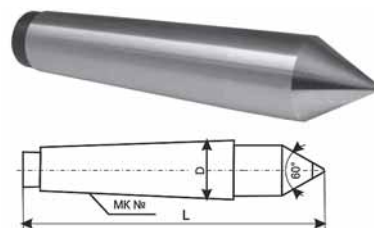


ЕКИПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

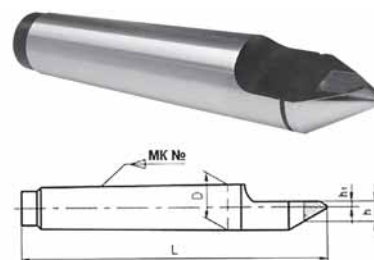
Център упорен прав

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



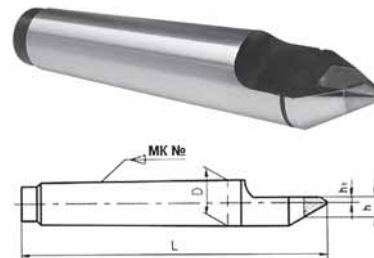
Център упорен скосен

МК №	D mm	h mm	L mm
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



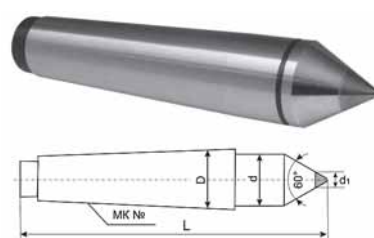
Център упорен скосен със запоен HW-връх

МК №	h ₁ mm	h mm	D mm	L mm	Точност mm
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	



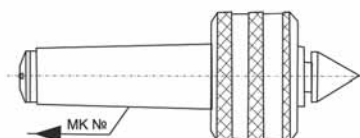
Център упорен прав със запоен HW-връх

МК №	D mm	L mm	d mm	d ₁ mm	Точност mm
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	

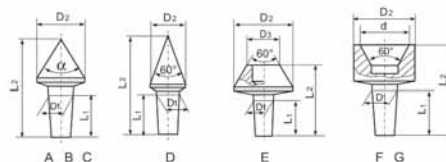


Комплект упорен въртящ център

MK №	D ₁	L ₁	A		B		C		D		E			F		G			
			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
MK3	12	24	20	48	20	43.5	20	40.5	18	56	35	15	50	22	42	18	35	48	30
MK4	15	30	28	61.5	28	55.5	28	51.5	26	73	55	30	61.5	40	55	35	55	60	48
MK5	20	40	36	80	36	72.45	36	66.8	36	101	70	41	78	60	81	50	70	85	61



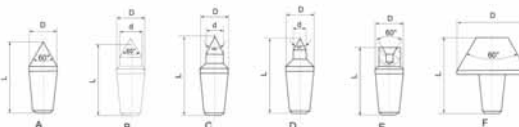
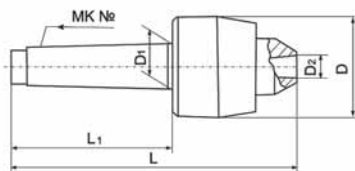
A: $\alpha = 60^\circ$
B: $\alpha = 75^\circ$



Бързоскоростен комплект упорен въртящ център

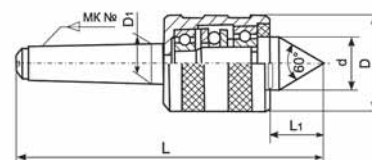
MK №	D	D ₁	L	L ₁
5	83	44.399	136	217

MK №	A		B			C			D			E			F	
	L	D	L	D	d	L	D	d	L	D	d	L	D	d	L	D
MK5	39	15.7	44	15.7	12	45	15.7	10	42	15.7	8	43	15.7	12	48	40



Въртящ център

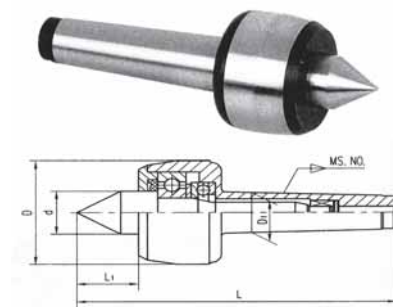
MK №	L mm	L ₁ mm	D mm	D ₁ mm	d mm	Мах радиално натоварване N	Мах скорост rpm	Точност mm
MK1	115	20	34	12.065	18	900	5000	0.01
MK2	145	26	45	17.780	25	1500	5000	0.01
MK3	170	30	52	23.825	28	2000	4200	0.01
MK4	205.7	34.7	60	31.267	32	3200	3200	0.01
MK5	254	45	77	44.399	45	6300	2400	0.015
MK6	362	68.5	125	63.348	75	10000	1600	0.015
MK1	125	30	34	12.065	18	900	5000	0.01
MK2	155	36	45	17.780	25	1500	5000	0.01
MK3	183	43	52	23.825	28	2000	4200	0.01
MK4	222	51	60	31.267	32	3200	3200	0.01
MK5	272	63	77	44.399	45	6300	2400	0.015
MK6	382	88.5	125	63.348	75	10000	1600	0.015



ЕКПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

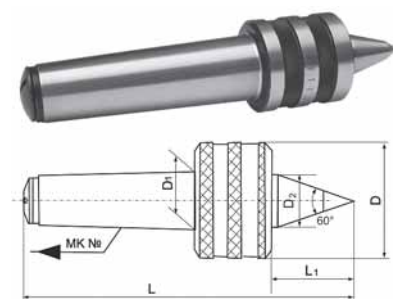
Прецизен въртящ център

МК №	L mm	D mm	L ₁ mm	d mm	D ₁ mm
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



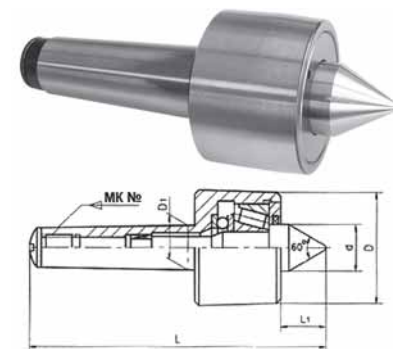
Въртящ център удължен

МК №	L ₁ mm	D mm	D ₁ mm	D ₂ mm	L mm
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	Мах радиално натоварване N	Мах скорост rpm	Точност mm
МК4	192.5	31.5	68	31.267	28	8000	3000	0.01
МК5	245	45	90	44.399	41	10000	2500	0.012



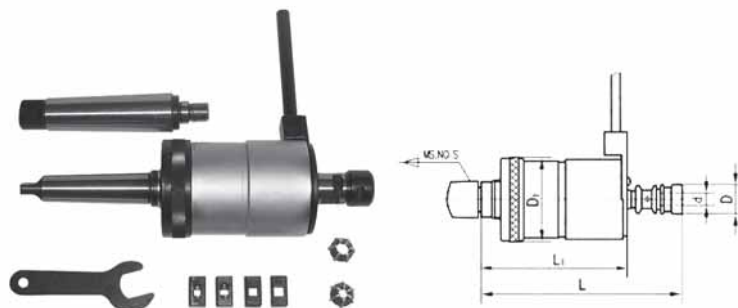
Резбонарезен патронник за адаптори

МК №	D mm	D1 mm	d mm	L ₁ mm	L mm	Обхват	Натоварване Nm
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
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



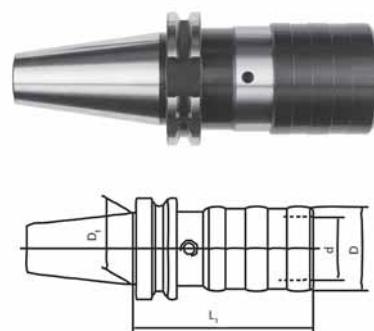
Бързосменен патронник за свредла с конусни опашки

MS.NO.S	D mm	d mm	L mm	MS.NO.T
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

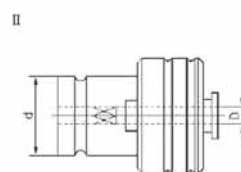
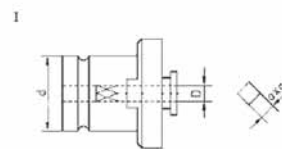
Опашка	Обхват	D mm	D ₁ mm	d mm	L ₁ mm
DIN69871.40	M3-M12	36	44.45	19	59
DIN69871.50			69.85		62
BT40			44.45		64
BT50			69.85		75
DIN69871.40	M7-M20	53	44.45	31	91
DIN69871.50			69.85		
BT40			44.45		
BT50			69.85		
DIN69871.40	M14-M36	78	44.45	48	149
DIN69871.50			69.85		
BT40			44.45		
BT50			69.85		



ЕКПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

Адаптори за метцици

Модел D x a	d mm		DIN371	DIN374	DIN376		
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				M27	M27		
22 x 18				M30	M30		
25 x 20				M33	M33		
28 x 22				M36	M36		



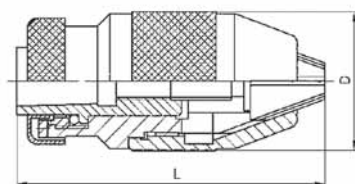
Патронник зъбчат с ключ

Вместимост mm	Гнездо	D mm	L mm
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



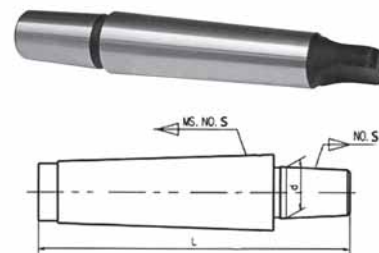
Патронник автоматичен самозатягащ

Вместимост mm	Гнездо	D mm	L mm
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



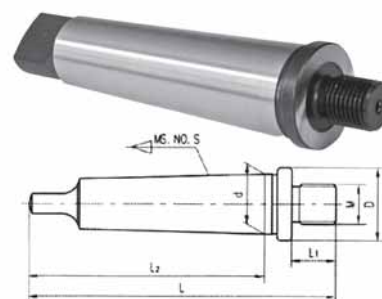
Дорник за патронник

MS.NO.S-NO.S	d mm	L mm
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



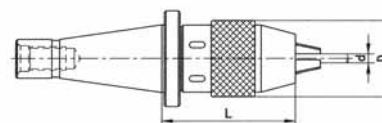
Дорник за патронник с резба

MS.NO.S.	L mm	L ₁ mm	L ₂ mm	D mm	d mm	M
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
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



ЕКПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

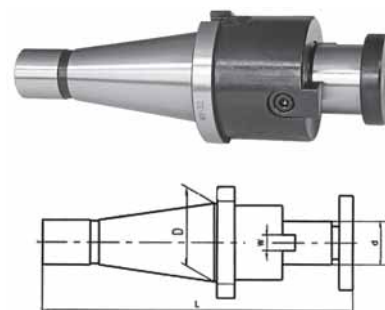
Дорник **DIN2080** WELDON

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



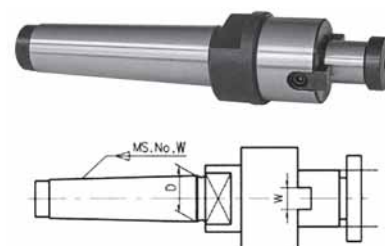
Дорник **DIN2080** за фрези челно цилиндрични с челен съединител

Тип	D mm	d mm	W mm	L mm
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



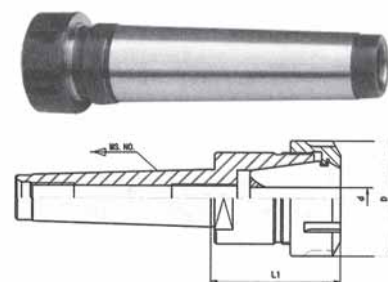
Дорник с морзов конус с челен съединител

Тип	D mm	d mm	W mm
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



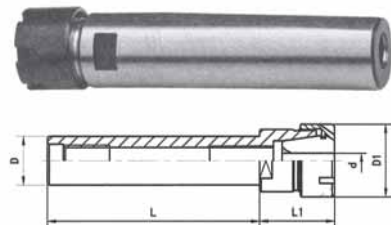
Патронник за цанги с конусна опашка

Код	MS.NO.	d mm	D mm	L1 mm
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

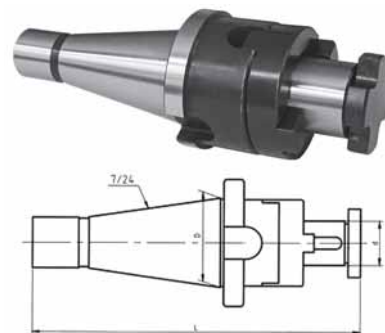
Код	d mm	D mm	D1 mm	L mm	L1 mm
ER8M-10X95-17	1-5	10	12	95	17
ER8M-10X120-17	1-5	10	12	120	17
ER8M-16X100-17	1-5	16	12	100	17
ER11M-12X95-28	1-7	12	16	95	28
ER11M-12X150-30	1-7	12	16	150	30
ER11M-16X100-19	1-7	16	16	100	19
ER11M-16X150-19	1-7	16	16	150	19
ER16M-12X50-36	1-10	12	22	50	36
ER16M-12X100-40	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



ЕКИПИРОВКА ЗА МЕТАЛОРЕЖЕЩИ МАШИНИ

Дорник **DIN2080** за фрези челноцилиндрични с челен и надлъжен шпонков канал

d mm	Опашка	L mm
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
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