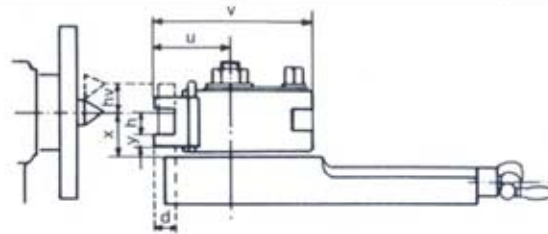




Toolholder Size	Head of toolholder M		Change toolholder MD			Change toolholder MH			Change toolholder MJ			Cutting off toolholder MA		Sleeve L									
	Designation	kg	Designation	a mm	l mm	kg	Designation	d max. mm	l mm	kg	Designation	d mm	l mm	kg	Designation	d mm	kg						
MAa	MAa	0,34	MAaD	12	50	0,18	MAaH	12	50	0,18	MAaJ	15	50	0,18	MAa-AO								
MA	MA	1,20	MAD	16	75	0,51	MAH	20	85*	0,56	MAJ	28*	80	0,80	*MAA-AO	0,55	MAL	1	30	0,36			
			MAD	16	90	0,55					MAJ	30	80	0,81	**MAA-HM	0,55	MAL	2	30	0,36			
			MAD	20	75	0,52																	
			MAD	20	90	0,61																	
ME	ME	3,50	MED	20	100	1,27	MEH	32	100*	1,34	MEJ	30	100	1,63	*MEA-AO	1,30	MEL	2	30	0,36			
			MED	25	100	1,29					MEJ	40	100	2,30	**MEA-HM	1,30	MEL	3	40	0,89			
MB	MB	4,50	MBD	25	120	1,37	MBH	32	130*	1,70	MBJ	36*	120	2,40	*MBA-A2a	1,50	MBL	3	40	0,89			
			MBD	25	140	1,65					MBJ	40	120	2,31	**MBA-HM	1,50	MBL	4	40	0,75			
			MBD	32	120	1,75																	
			MBD	32	140	1,91																	
MC	MC	10,70	MCD	32	150	2,95	MCH	40	160*	3,56	MCJ	40	160	3,87	*MCA-A3a	2,40	MCL	3	40	0,89			
			MCD	32	170	3,24					MCJ	50	160	4,49			MCL	4	40	0,75			
			MCD	40	150	3,46					MCJ	48*	160	4,40			MCL	3	50	1,44			
			MCD	40	170	3,85					MCJ	MK5	160	3,60			MCL	4	50	1,47			
			MCD	45	170	3,85											MCK*	2	30	0,61			
MD1	MD1	18,00	MD1D	40	180	5,50	MD1H	63	180*	8,80	MD1J	63	180	8,00			MD1L	5	63	1,80			
			MD1D	50	180	6,00					MD1J	48*	180	8,00									
			MD1D	63	180	7,50					MD1J	MK5	180	7,80									
MD2	MD2	25,50	MD2D	50	220	8,70	MD2H	70	220*	12,30	MD2J	63	220	15,50			MD2L	5	63	1,80			
			MD2D	63	220	11,80					MD2J	MK5	220	15,30									
* prism P useful here										* without parting-off tool													



Size		Aa	A		E		B		C			D1			D2	
Change toolholder size		D 12	D 16	D 20	D 20	D 25	D 25	D 32	D 32	D 40	D 45	D 40	D 50	D 63	D 50	D 63
Max. driving power	KW	1,2	2		4,5		7		13			19			25	
Swing of machine	mm	120-220	150-300		200-400		300-500		400-700			600-1000			700-1500	
Width of carriage max.	z mm	80	100		120		150		180			200			250	
Height of edges min.	x mm	h + y	h + y		h + y		h + y		h + y			h + y			h + y	
Height of edges max.	mm	x + hv	x + hv		x + hv		x + hv		x + hv			x + hv			x + hv	
Vertical adjustability	hv mm	8	11		17 15		20 11		40 35 30			35 30 20			30 20	
Tool repose	y mm	6	9		10 11		12,5 14		15 16 17			20 21 22			22 25	
Repose width for work tool	d mm	10	12		20		20		20 30 30			30 35 40			40 45	
Max. height of tool	h mm	12	16 20		20 25		25 32		32 40 45			40 50 63			50 63	
Total width	v mm	70	100		125		150		192 202 202			230 234 242			275 282	
Total height	s mm	32	54		68		75		105			122			135	
Max. throat	u mm	30	48		60		71		92 102 102			112 117 124			140 147	
Standard bore	t mm	12	19,5 (20)		19,5 (20)		31,3 (32)		39,3 (40)			39,3 (40)			79 (80)	
Max. bore	t max. mm	12	31		31		51		70			80			110	
Max. depth of bore	e mm	—	35		35		45		75			75			85	