



TYPE		Rk	ΚE			RKI	E-M		RKE	E-LV	RKK			
							NC-C	ompact	vices					
Features	- Clamp	st clampi ping force se, wear-ı	presetti	ng	- Witho prese	est clamp out clamp tting se, wear-	ing force		- Very good a for 5-axis r - Clamping for presetting - Large clam - Large clam	machining orce	Designed to resist deformation for the highest clamping precision Greatest repeatability Clamping force presetting			
Clamping system		chanical- 2: mecha				mech	anical		mechanical	-mechanical	mechanical-mechanical			
Force amplification														
Set-up options	3	3-Side, D Quattro		r	3-Side, Duo-Tower Base Quattro-Tower					ase	3-Side, Duo-Tower Quattro-Tower			
Machining centers with high working accuracy		/	/			/	✓		/	✓	''			
Universal milling machines with high working accuracy		/	✓			/	✓		•	✓	V V			
Universal milling machines standard version														
Jig boring machines		/	/			/	✓		/	✓		VV		
5-axis machining									~	✓				
Grinding machines		V									~			
Series production														
For limited space		·				·			~	✓				
Jaw width mm	92 1)	125 ¹⁾	160 ¹)	200 1)	92 1)	125 ¹)	160 ¹)	200 1)	125 ¹⁾	125 ³⁾	135 ²⁾	160 ²⁾	200 2)	
Clamping range (max.)	208	312	451	451	208	312	451	451	192	225	215	340	340	
Length (opened) mm	345	478	633	633	315	442	607	607	372	372	483	618	618	
Width mm	94	126	162	162	94	126	162	162	126	126	150	205	205	
Height mm	112	140	165	175	112	140	165	175	140	130	148	179	189	
Clamping force (max.) kN	25	40	60	60	25	40	60	60	40	40	40	60	60	
Weight kg	15	41	79	85	15	41	79	85	29	29	50 107 108			
Page		40	14			40)22		40)34		4040		



yes



suitable



¹⁾ with stepped jaws

²⁾ with standard jaws

³⁾ with carrier jaws

⁴⁾ with claw-type jaws

⁵⁾ with heightend stepped jaws











TYPE	RKI	D-M		RZ	ZM		RKZ-M						
	NC-Compa	ct twin vices			NC	-Compa	ct self cei	ntering vi	ces				
Features	- Double, centric a wrench (remova - Greatest repeata - Low rapid traver	ole middle jaw) ıbility	patente - Open o	ed guide s lesign for a ad spindle	ng stroke o ystem optimal ch	p flow	- Highest average precision and repeatability - Minimum collision contour						
Clamping system	mech	anical		mech	anical		mechanical						
Force amplification	ŕ	r		:	*		*						
Set-up options	3-S Duo-Tower, G			Ва	ase		Base						
Machining centers with high working accuracy	/	✓					✓						
Universal milling machines with high working accuracy	'	✓											
Universal milling machines standard version	~	✓											
Jig boring machines	'	✓											
5-axis machining					✓			'					
Grinding machines				·					/				
Series production				·									
For limited space				/	/				/				
Jaw width mm	92 1)	125 ¹⁾	92 4)	92 4)	125 ⁴⁾	125 ⁴⁾	50 ¹⁾	70 ¹)	92 1)	125 ¹⁾	125 ⁵⁾		
Clamping range (max.)	127	180	160	100	142	222	111	153	208	269	269		
Length (opened) mm	480	617	230	170	298	218	157	209	283	353	353		
Width mm	94	126	94	94	125	125	52	72	94	126	126		
Height mm	117	145	174	174	196,5	196,5	75	95	117	145	165		
Clamping force (max.) kN	25	40	20	20	25	25	10	15	20	25	25		
Weight kg	24	52	11,7	11,5	17,4	20,3	3,5	7	18	32,5	35		
Page	40	52		40	060				4064				

^{*} Constant clamping force for each clamping process and high repeatabilityin combination with a torque wrench







TYPE		RB-	K Orange I	Line			RBAW				
			Machine vices			1	NC-power vice	S			
Features		cy due to precise y range adjustme	e jaw guidance ent using the pin	system		- Integrated angular drive - Clamping width presetting					
Clamping system		me	echanical-hydrau	ulic		m	echanical-hydrau	ulic			
Force amplification											
Set-up options			Base			3-Side					
Machining centers with high working accuracy			//								
Universal milling machines with high working accuracy			//				//				
Universal milling machines standard version			/			✓					
Jig boring machines			//				~				
5-axis machining											
Grinding machines			/			✓					
Series production			/								
For limited space			/				/				
Jaw width mm	92	113	135	160	200	113	135	160			
Clamping range (max.)	100	170	220	310	350	175	225	310			
Length (opened) mm	490	583	679	817	1022	500	578	702			
Width mm	160	160	200	240	280	115	137	162			
Height mm	91	97	112	133	171	96	111	132			
Clamping force (max.) kN	25	30	40	50	100	30	40	50			
Weight kg	15,5	24	39 4076	60	112	22	36	62			
Page			4076				4082				





suitable



suitable

www.rodavigo.net +34 986 288118 Servicio de Att. al Cliente



Vices







TYPE		N	/ISR				RS			UZ					
							Machir	ne vices							
Features		lamping the pin s	range ad ystem	justment	applic - Entire	ation	g range d	asting for	flexible ached by	- Centric clamping - Spindle covered in the working area					
Clamping sys- tem		med	chanical				mechan	ical		mechanical					
Force amplification			*				*			*					
Set-up options		E	Base				Base)		Base					
Machining centers with high working accuracy			✓												
Universal milling machines with high working accuracy			/				'								
Universal milling machines standard version			✓												
Jig boring machines															
5-axis machining															
Grinding machines			/				/								
Series production			✓				/								
For limited space			✓				/								
Jaw width mm	125	150	150	175	92	113	135	160	200	113	135	160	200	250	
Clamping range (max.)	150	200	300	400	85	105	125	145	185	110	140	180	300	400	
Length (opened) mm	401	487	587	701	362	423	510	575	675	358	408	495	655	767	
Width mm	95	125	125	145	160	160	200	240	280	132	152	180	200	220	
Height mm Clamping force (max.) kN	80	100	100	118	79,6	89,6	103,6	119,6	144,6	92,6	105,1	123,6	141,6	147,6	
Weight kg	30 12,7	50 25,6	50 29,5	60 51,2	18 12	25 13,5	35 25	45 40	55 65	15 12,4	22 19	24 31	25 52	28 71	
Page	14,1		^{29,5} 4088	01,4	14	10,0	4090		00	14,4	19	4094	J JZ	, 1	
aye			+000				4090					4094			

^{*}Constant clamping force for each clamping process and high repeatabilityin combination with a torque wrench







TYPE			KZS-P			KZS-PG					
				Statio	nary power o	hucks					
Features	- Centric clan	nping	nated work sec			- Centric clar	ine serration ar				
Clamping system			pneumatic				pneu	matic			
Clamping force											
Set-up options		Base, zer	o point clampir	ng system	Base, zero point clamping system						
Machining centers with high working accuracy			//								
Universal milling machines with high working accuracy			/				·				
Universal milling machi- nes standard version											
Jig boring machines			/				~				
5-axis machining			~								
Grinding machines			/			✓					
Series production			//				/	✓			
For limited space			//				/	✓			
Size	64	100	160	200	250	100	160	200	250		
Jaw stroke mm	2,3	2,3	3,5	4,8	6	7	9,5	12	18,2		
Clamping force (max.) kN	4,5	18	45	52	55	8	20	24	21		
Weight kg	1,25	3,9	11,2	20,4	32,5	4	11,5	20,8	32,8		
Page			4101				41	03			





suitable



suitable



Vices



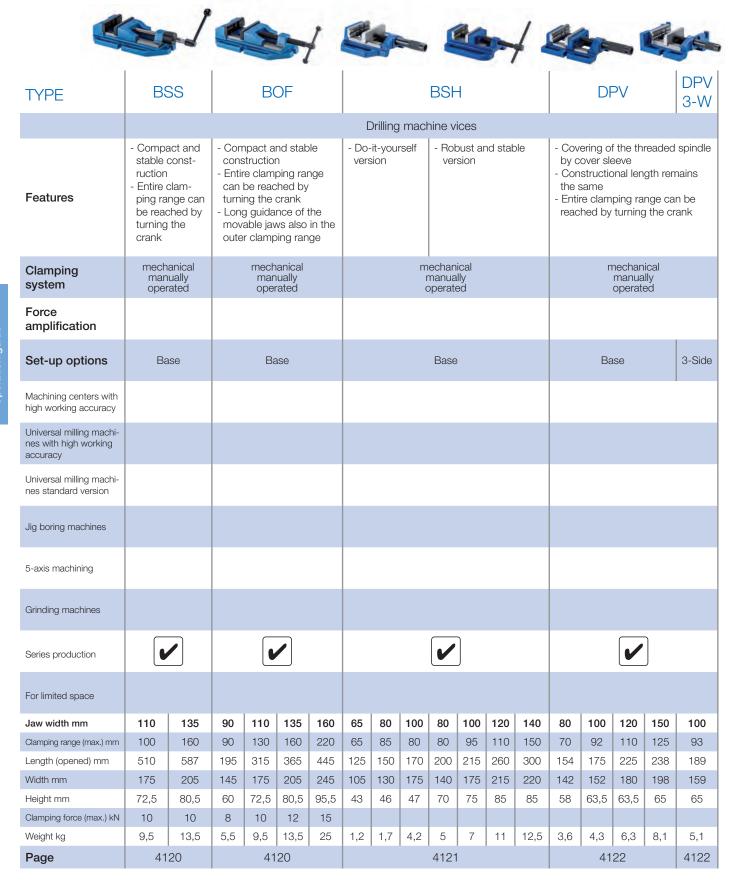




TYPE		KZS-H			KZS	-HG		SSP					
					Station	ary power	chucks						
Features	work seq - Centric c - Jaws wit		on and	sequence - Centric c	lamping h fine serrat			Optimally suited for automated work sequences Centric clamping Without through-hole Jaws with fine serration					
Clamping system		hydraulic			hydr	aulic		pneumatisch					
Clamping force													
Set-up options	Base, z	zero point cla system	amping	Base	, zero point	clamping sy	vstem	Base, zero point clamping system					
Machining centers with high working accuracy		//			/	✓		V					
Universal milling machines with high working accuracy		/			L				L				
Universal milling machines standard version								✓					
Jig boring machines		/			·			~					
5-axis machining		//			/	✓		V					
Grinding machines		/			L								
Series production		//			/	✓		V					
For limited space		//			/	/			/	/			
Size	64	100	160	100	160	200	250	160	200	250	315		
Jaw stroke mm	2,3	2,3	3,5	7	9,5	12	18,2	4,2	4,2	5	5		
Clamping force (max.) kN	5	18	45	16	40	50	50	36/38	55/60	90/96	111/118		
Weight kg	1,5	5	14,2	5,1	14,5	24,8	37,9	25	34	54	65		
Page		4107			41	09		4112					

^{*}Constant clamping force for each clamping process and high repeatabilityin combination with a torque wrench







yes



suitable



very suitable

www.rodavigo.net +34 986 288118



Vices

	E						TO .				-				H.		
TYPE	PL mid			PL-S	6		PLF		F	PL-G	à	PS	-SV	PS-	-ZD		
							Grinding and inspection vice										
Features	- Simp with a - Clam	allen key ping jav ges auto	ping and	able in s		- Made steel, h finely g - Horizo ground - No spi	ntal and v I prism ndle whicl e dirty du	tool and ertical n could,	leasii ded : - Mad tool :	nping ai ng with spindle e of allo steel, ha d and f	threa byed ar-	Made of alloy hardened and Bearing and I hardened and precision of 0 The clamping be positively I angular positi	position b screws - Made of a	ed angular by locking alloyed tool dened and and			
Clamping system			echanio				echanica ually ope			echanic nually c rated			anical, operated		mechanical, manually operated		
Force amplification																	
Set-up options	Base					Base			Base		Ва	ase	Ва	ise			
Machining centers with high working accuracy																	
Universal milling machi- nes with high working accuracy																	
Universal milling machines standard version																	
Jig boring machines																	
5-axis machining																	
Grinding machines			//				//			//		/	✓	'	✓		
Series production																	
For limited space																	
Jaw width mm	34	45	70	90	120	50	73	100	60	73	88	70	90	70	120		
Clamping range (max.)	25	50	80	120	150	65	100	125	55	100	125	80	120	80	150		
Length (opened) mm	75	110	160	210	280	140	190	245	110	210	250	160	210	180	270		
Width mm	34	45	70	90	120	50	73	100	60	73	88	70	90	110	160		
Height mm	35	45	62	80	90	50	67	90	50	67	88	93	113	137	210		
Clamping force (max.) kN	2	2	2,5	3	4	1,6	2	5	2	4	4	6	7	-	-		
Weight kg	0,35	1	3	5,8	13,5	1,4	4,1	7,3	1,6	4	7,6	5,3	11	11,1	43		
Page			4126				4127			4127		41	28	41	4128		

^{*} Constant clamping force for each clamping process and high repeatabilityin combination with a torque wrench

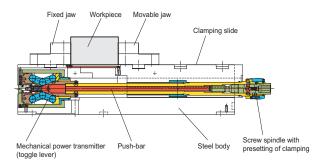
Sectional view toggle lever principle

Sectional view toggle lever principle

NC-COMPACT VICES RKE

High-end NC-Compact vice. Mounting of the power transmitter in the steel body. Further designs (iron cast body, hydraulic actuation etc.) on request.

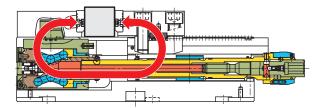
SECTIONAL VIEW RKE



RKK SIZE 3-5

NC-Compact vice for very high clamping precision. Clamping slide with toothing for continuously variable presetting. The power transmitter is mounted in the fixed jaw. This form of support enables high-precision

SECTIONAL VIEW RKK SIZE 3 - 5



www.rodavigo.net +34 986 288118





Functional description

Functional description

CLAMPING SYSTEM MECHANICAL -MECHANICAL WITH TOGGLE LEVER

SINGLE CLAMPING

a) Clamping with power transmission

Mechanical pretensioning is achieved by turning the hand-crank. The threaded spindle with the large incline brings the movable clamping jaw into contact with the workpiece, whereby resistance can be noted on the hand-crank. Continuing to turn the crank in clockwise direction triggers automatic disengagement and switch to mechanical transmission. Further turning of the crank moves a pressure pin axially, which generates the high clamping force through spreading of the toggle lever.

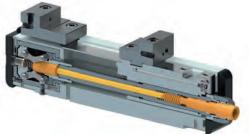
b) Presetting of different clamping forces

To avoid damage to sensitive workpieces caused by excessive clamping force, different clamping forces can be preset. The presetting can be performed simply by turning the adjustment collar on the end of the spindle.

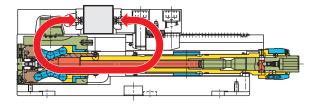
c) Mechanical clamping without power transmission

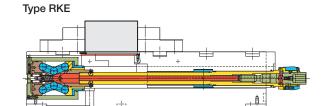
For consecutive clamping of multiple workpieces having uneven contact surfaces, greater pretensioning is required. Turning the adjustment collar to "0" deactivates the mechanical power transmission. The workpieces can then be mechanically pretensioned until the yield in the workpieces is eliminated. The adjustment collar can then be set to the desired clamping force, and the high clamping force introduced.

RKK: The power transmission guarantees that the body remains free from deformation; a very high clamping accuracy is achieved.



Type RKK





TWIN CLAMPING RKD-M

The anchoring nut on the drive spindle is turned to the right (delivery condition). The moveable clamping jaw 1 is adjusted up to the workpiece in station 1 by turning the spindle in a clockwise direction with the hand crank and held with ca. 1 kN (third manual function). By continuing to turn the hand crank in a clockwise direction as far as it goes, clamping jaw 2 is also placed on the workpiece on station 2. The buildup of force acts on the clamping jaws via the mechanical spindle. The balance springs compensate for dimensional differences of up to ±3 mm from workpiece 1 to workpiece 2. When clamping, both clamping positions must be filled with the same workpieces. To induce the exact clamping force repeatedly, the exact, specified torque must be induced via a torque wrench (see clamping force chart in the BDA).



Type RKD-M

CENTRIC CLAMPING RKD-M

The anchoring nut on the drive spindle is turned to the left. The spindle is rigid. The centre jaw is removed. The moveable clamping jaws 1 and 2 are adjusted up to the workpiece by turning the spindle in a clockwise direction with the hand crank. The build-up of force acts on the clamping jaws. The position of the centre of the workpiece is always the same with respect to the transverse groove. To achieve the exact clamping force repeatedly, the exact, specified torque must be induced via a torque wrench (see clamping force chart in the BDA).

SINGLE CLAMPING RKD-M

The anchoring nut on the drive spindle is turned to the left. The spindle is rigid. A stepped jaw must be used here (not in delivery contents), and moveable clamping jaw 1 removed. Also remove the centre jaw. The moveable clamping jaw 2 is adjusted up to the workpiece in station 1 by turning the spindle in a clockwise direction with the hand crank. The build-up of force acts on the clamping jaws uniformly via the mechanical spindle. To induce the exact clamping force repeatedly, the exact, specified torque must be induced via a torque wrench (see clamping force chart in the BDA).