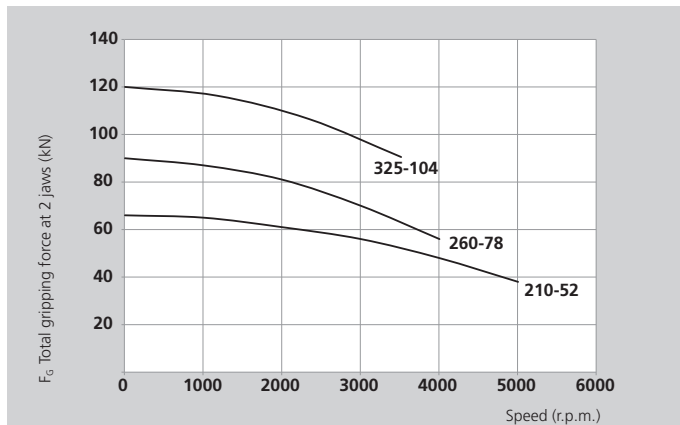


Subject to technical changes.
For more detailed information please ask for customer drawing.

Type KNCS-N	KNCS-N-210-52-2				KNCS-N-260-78-2				KNCS-N-325-104-2			
	Mounting		Z170	A06	A08	Z170	Z220	A06	A08	Z220	Z300	A08
	A	215			260				324			
	B	105	122	124	120	120	137	139	129.9	129.9	148.9	150.9
	C	109.9	126.9	128.9	128.3	128.3	145.3	147.3	139.2	139.2	158.2	160.2
	D H6	170	106.375	139.719	170	220	106.375	139.719	220	300	139.719	196.869
	E	168			210				268			
	F	85			111				144			
Rotating ring nut/depth	G1	M60x1.5 / 16			M90x2.0 / 20				M115x2.0 / 22			
Piston thread/depth	G2	M75x2.0 / 19			M102x2.0 / 23				M132x2.0 / 25			
Piston stroke	K	25			28				28			
max.	L	25	42	44	28	28	45	47	28.1	28.1	47.1	49.1
	M	52			78				104			
Fixing bolt circle	N	133.4		171.4	133.4	171.4	133.4	171.4	171.4	235.0	171.4	235.0
Fixing bolt	O	M12		M16	M12	M16	M12	M16	M16	M20	M16	M20
	P	72			95				130			
max. Ø	Q	261			307				385			
Thread / Thread depth	R1	M6 / 10			M8 / 14				M10/16			
Thread / Thread depth	R2	M10 / 12			M10 / 18				M10/16			
	S	6			6				6			
	a	22			26				32			
	b f7	10			12				12			
	c	85			104				115			
	d	33			36				36			
	f H7	20			20				20			
	g	40			40				40			
Thread / Thread depth	k	M8 / 13			M12 / 17				M12 / 17			
	l	4.9			8.3				9.3			
	m	2.5			3				3			
	n	4.5			5.5				6			
max. / min.	o	96.72 / 68.45			116.65 / 83.65				155.783 / 106.301			
max. / min.	p	77.74 / 49.47			84.66 / 51.66				111.781 / 62.299			
Base jaw tooth pitch	-	4.7			5.5				5.5			
Base jaw offset	r	28.27			32.988				49.482			
Base jaw offset	teeth	6			6				9			
a1 / a2 (for fixing bolts)	deg.	73.5 / 60			75 / 60				75 / 60			
Stroke per jaw at piston stroke K	mm	7 / 25			8 / 28				8 / 28			
max. actuating force	kN	35			47				63			
max. total gripping	kN	66			90				120			
max. speed	r.p.m.	5000			4000				3500			
Weight without jaws	kg	27.8	29.3	30.0	45.1	44.5	46.6	47.3	72.3	77.3	75.2	82.8
Moment of inertia	kg·m²	0.17	0.18	0.19	0.41	0.41	0.43	0.44	1.09	1.17	1.11	1.26
Rec. closed center cylinder	Type	SIN-S 125 / 150			SIN-S 150 / 175				SIN-S 150 / 175 / 200			
Rec. open center cylinder	Type	VNK-T2 130-52			VNK-T2 170-77				VNK-T2 250-110			

Gripping force diagram Ordering review

Gripping force diagram



The data in the diagrams refer to 2-jaw-chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K05 grease. The static and dynamic gripping forces have been measured using standard soft top jaws, placed in a position not exceeding the outer diameter of the chuck.

⚠ Safety advice/danger of damage:

When using taller / heavier jaws and / or clamping on a bigger diameter reduce draw pull / rotating speed accordingly.

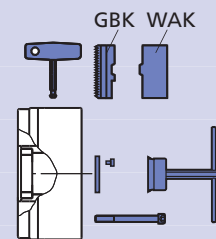
Ordering review

KNCS-N + GBK + WAK

Supply range:

Chuck + key + mounting bolts + mounting key + 1 set hardened base jaws type GBK + 1 set soft top jaws type WAK + set of coverplates

Spindle mounting \ Size	KNCS-N 210-52	KNCS-N 260-78	KNCS-N 325-104
Centering rim small	-	Z 170 162014	Z 220 161859
Centering rim large	Z 170 162034	Z 220 162015	Z 300 161860
A 06	162037	162020	-
A 08	162040	162021	161861
A 11	-	-	161862

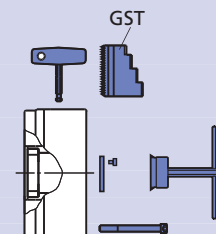


KNCS-N + GST

Supply range:

Chuck + key + mounting bolts + mounting key + 1 set hardened, reversible stepped monoblock jaws type GST, ground on chuck + set of coverplates

Spindle mounting \ Size	KNCS-N 210-52	KNCS-N 260-78	KNCS-N 325-104
Centering rim small	-	Z 170 162016	Z 220 161863
Z-Rand groß	Z 170 162035	Z 220 162017	Z 300 161864
A 06	162038	162022	-
A 08	162041	162023	161865
A 11	-	-	161866

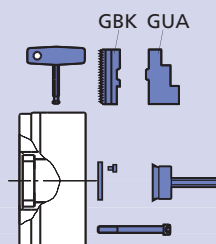


KNCS-N + GBK + GUA

Supply range:

Chuck + key + mounting bolts + mounting key + 1 set hardened base jaws type GBK + 1 set hardened, reversible top jaws type GUA, ground on chuck + set of coverplates

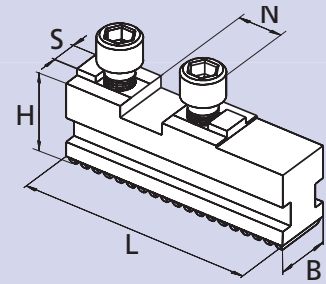
Spindle mounting \ Size	KNCS-N 210-52	KNCS-N 260-78	KNCS-N 325-104
Centering rim small	-	Z 170 162018	Z 220 161867
Centering rim large	Z 170 162036	Z 220 162019	Z 300 161868
A 06	162039	162024	-
A 08	162042	162025	161869
A 11	-	-	161870



GBK

Hardened base jaws

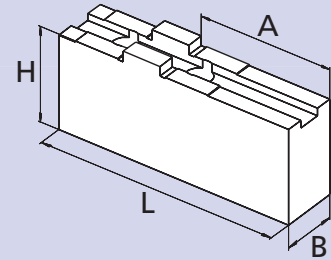
KNCS-N	210	260	325
Jaw type	GBK 200	GBK 250	GBK 315
Id. No.	012440-2	012441-2	012442-2
B	22	26	32
H	29.5	37	43
L	85	104	115
N	20	20	20
S	10	12	12
kg / set	0.7	1.3	1.9



WAK

Soft top jaws

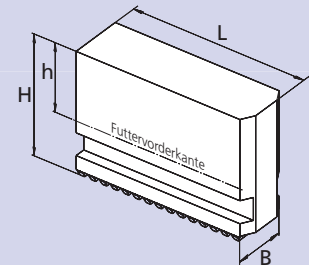
KNCS-N	210	260	325
Jaw type	WAK 200-10	WAK 250-10	WAK 250-10
Id. No.	012492-2	012493-2	012493-2
B	22	30	30
H	42	50	50
L	105	125	125
A	50	70	70
kg / set	1.3	2.5	2.5



UVB

Soft monoblock jaws

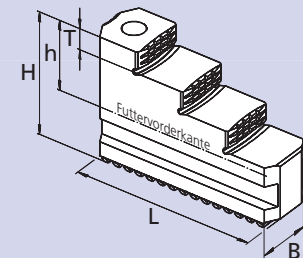
KNCS-N	210	260	325
Jaw type	UVB 200	UVB 250	UVB 315
Id. No.	012448-2	012449-2	012450-2
B	22	26	32
H	70	90	100
h	45	61	66
L	83	108	119
kg / set	1.8	3.7	5.5



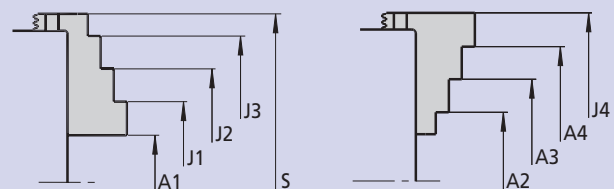
GST

Hardened stepped monoblock jaws

KNCS-N	210	260	325
Jaw type	GST 210	GST 260	GST 315
Id. No.	035863-2	037623-2	012457-2
B	22	26	32
H	51	60	66
h	26	31	32
L	84	100	117
T	8	10	10
kg / set	0.9	1.5	2.3
A1	10-85	10-98	37-148
A2	56-121	62-150	104-215
A3	96-161	111-200	160-271
A4	136-201	161-250	217-328
J1	60-134	63-149	91-202
J2	100-174	112-199	148-259
J3	140-214	161-249	205-316
J4	185-250	212-300	272-383
S	255	303	385



Gripping ranges



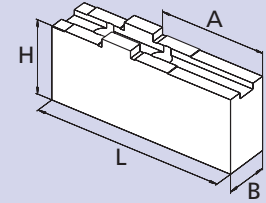
- SOFT TOP JAWS wide version
- HARD REVERSIBLE TOP JAWS

Soft top jaws wide version

WAKS

Soft top jaws
wide version

Type	Id. No.	B	H	L	A	kg / set	SMW-AUTOBLOK chuck type
WAKS 200-10	080934-2	30	51	100	57	2.1	KNCS-N 210
WAKS 200-20	080935-2	30	66	100	45	2.7	
WAKS 200-30	012497-2	40	36	70	27	1.4	
WAKS 200-31	080936-2	40	56	90	43	2.7	
WAKS 200-32	036733-2	40	76	95	52	4.1	
WAKS 250-10	080937-2	40	55	125	70	3.8	KNCS-N 260 KNCS-N 325
WAKS 250-11	080938-2	40	75	125	70	5.1	
WAKS 250-12	080939-2	40	95	125	70	6.5	
WAKS 250-13	080940-2	40	115	125	70	7.9	
WAKS 250-20	012498-2	60	55	90	44	4.2	
WAKS 250-21	080942-2	60	55	110	60	3.2	
WAKS 250-22	080943-2	60	75	90	44	5.7	
WAKS 250-23	080944-2	60	75	110	60	7.0	
WAKS 250-30	012499-2	80	55	90	44	5.8	
WAKS 250-31	080945-2	80	75	110	60	9.7	

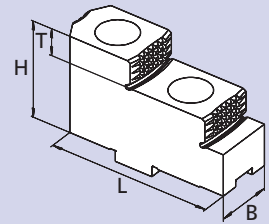


Hard reversible top jaws

GUA

Hard reversible top jaws

KNCS-N	210	260	325
Jaw type	GUA 200	GUA 250	GUA 250
Id.-No.	012485-2	012486-2	012486-2
B	22	30	30
H	39	50	50
L	72	90	90
T	10	14	14
kg / set	0.6	1.3	1.3
A1	55-111	73-150	118-228
A2	69-125	45-90	43-143
A3	96-152	125-170	124-223
A4	17-73	20-86	30-141
A5	104-163	76-154	120-230
A6	131-190	156-234	200-310
J1	117-174	152-229	198-308
J2	144-201	233-310	278-388
J3	158-215	204-249	202-302
J4	80-136	101-166	111-221
J5	107-163	180-246	191-301
J6	193-253	235-312	279-389
S	264	331	409



Gripping ranges

Base jaw position "o"

Base jaw position "p"

