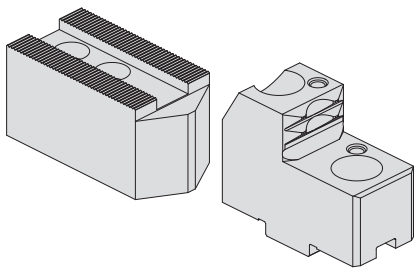




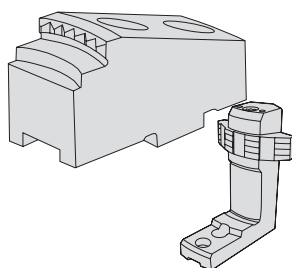
JAWS 17E

SMW-AUTOBLOK Top jaws

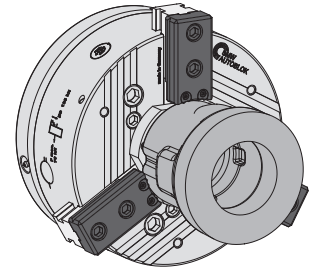
Top jaws for all standard manual and power chucks



■ Standard jaws serrated or tongue and groove



■ Special top jaws to customer specification



■ Turn key – i. e. complete engineering and production of top tooling

Customer benefit

Consulting

SMW-AUTOBLOK can call on many years of experience. This ensures best consulting for customer applications.

Engineering

The specialized SMW-AUTOBLOK Team can provide prompt and optimized solutions, that match the customer request.

Quality made in Germany

All SMW-AUTOBLOK top jaws are made in Germany from high quality steel.

They fulfill highest standards in quality, engineering, production and testing.

Delivery

All standard jaws are usually available from stock. Same day deliveries are possible on request.

Service

The worldwide SMW-AUTOBLOK sales network in more than 50 countries ensures best availability and competent consulting on site

Material

Material 16MnCr5
= Case hardening steel,

Material C45
= Quenching steel

>> Contact of our specialists

Telefon: +49 (0) 75 42 405-123
Fax: +49 (0) 75 42 38 86
E-Mail: backen@smw-autoblok.de

Further information

>> www.smw-autoblok.de



>> JAW FINDER

You are here: Start > JawFinder

SMW-AUTOBLOK		KNCS-N		225
TYPE	ID.-NO.	JAW MODEL	SIZE	L X B X H
GGK 2001	012469	hard roughing jaws	2001	87 x 28 x 45
GGK 2002	012470	hard roughing jaws	2002	66 x 28 x 45
GGK 2003	012471	hard roughing jaws	2003	66 x 28 x 45

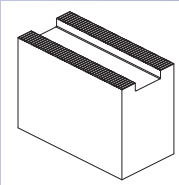
- Free application to easily pick you top jaw
- For all established makers
- 3D Modelle models available for download

Easy and quick choice of top jaw

>> www.smw-autoblok.de

0	Soft top jaws Steel Aluminium Inch serration 1/16" x 90° or 3/32" x 90°		Page 7
1	Hard top jaws Inch serration 1/16" x 90° or 3/32" x 90°		Page 27
2	Soft top jaws Steel Aluminium Metric serration 1.5 x 60° or 3 x 60°		Page 37
3	Hard top jaws Metric serration 1.5 x 60° or 3 x 60°		Page 53
4	T-Nuts Grippers		Page 63
5	Soft top jaws Tongue & groove		Page 81
6	Hard top jaws Tongue & groove		Page 95
7	Quick jaw change For manual and power chucks straight modular serration System SMW		Page 109
8	Quick jaw change For manual and power chucks helix modular serration System Forkardt		Page 149
9	Special jaws Boring rings Cleaning plate Gripping force tester Repair service Calculations		Page 183

Soft top jaws – Inch serration
SMW-AUTOBLOK | Forkardt | Röhme | Schunk

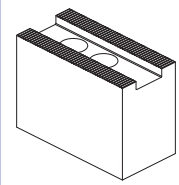


MAB-D
Without holes
16MnCr5

MAB-DL
Without holes
16MnCr5
Long version

Soft top jaws

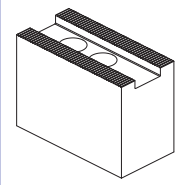
- Inch serration
1/16" x 90° or 3/32" x 90°



MAB-D
With holes
16MnCr5

Soft top jaws

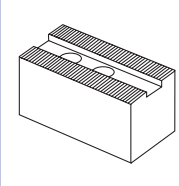
- Inch serration
1/16" x 90° or 3/32" x 90°
- Bolt pattern to customer request



MWB-D
Tall version
16MnCr5

Soft top jaws

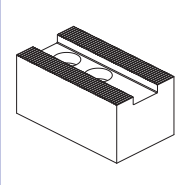
- Inch serration
1/16" x 90° or 3/32" x 90°



MWB-DA
Light version
Aluminium F50

Soft top jaws aluminium

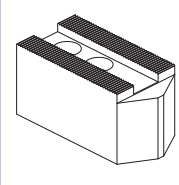
- Inch serration
1/16" x 90° or 3/32" x 90°



LWB-D
Low version
16MnCr5

Soft top jaws

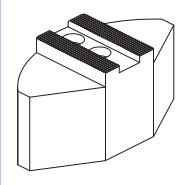
- Inch serration
1/16" x 90° or 3/32" x 90°



AWB-D
Low / pointed version
16MnCr5

Soft top jaws

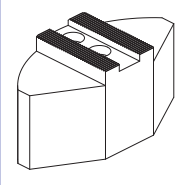
- Inch serration
1/16" x 90°



SBS-D
16MnCr5

Soft pie jaws

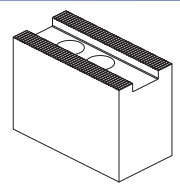
- Inch serration
1/16" x 90° or 3/32" x 90°



SBA-D
Aluminium F50

Soft pie jaws aluminium

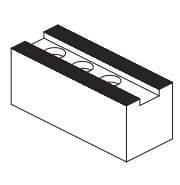
- Inch serration
1/16" x 90° or 3/32" x 90°



MAB-D
With holes for 2-jaw chucks
16MnCr5 / C45

Soft top jaws for 2-jaw chucks

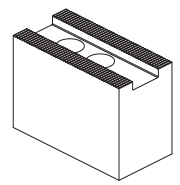
- Inch serration
1/16" x 90°



WBSA-D
for SMW-AUTOBLOK power chucks
C45 (flame hardenable)

Soft top jaws

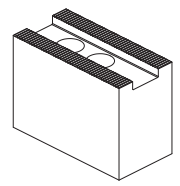
- Inch serration
1/16" x 90° or 3/32" x 90°



WBB-D
for Berg power chucks type KH
16MnCr5

Soft top jaws

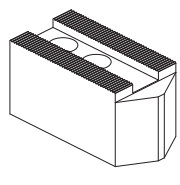
- Inch serration
1/16" x 90° serration ground



WBR-D
for Röhme power chucks type KFD-HS
for Schunk power chucks type HSG
16MnCr5

Soft top jaws

- Inch serration
1/16" x 90° serration ground



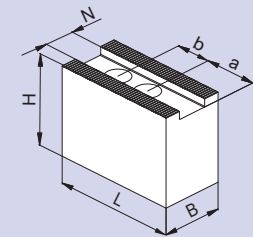
Soft top jaws
for front end power chucks
16MnCr5 / C45 (flame / induction hardening)

Soft top jaws

- Inch serration
1/16" x 90° or 3/32" x 90°

Safety advice:
Top jaws are safety components, which can be under high load depending on their use.
Max grip forces and speeds must not be exceeded at any time.
For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

MAB-D



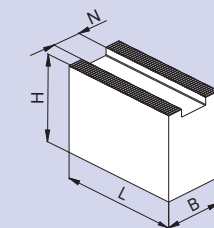
Soft top jaws blanks
without holes and with holes drilled

- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: 16MnCr5 , Serration ground

Type	Id. No. without holes	Id. No. with holes*	B	H	L	N	Serration	a + b	ISO 4762	kg/piece without holes
MAB-D 1002	081562	032932	35	50	60	10	1/16" x 90°	*	M 6	0.55
MAB-D 1202	081564	032934	35	50	70	12	1/16" x 90°	*	M 8	0.92
MAB-D 1401	090717	091315	40	40	90	14	1/16" x 90°	*	M 10	1.07
MAB-D 1402	090718	091316	40	60	90					1.63
MAB-D 1710	081566	032936	40	40	70	17	1/16" x 90°	*	M12	0.82
MAB-D 1711	081567	032937	40	40	90					1.06
MAB-D 1712	081568	032938	40	40	105					1.24
MAB-D 1713	081569	032939	40	60	70					1.26
MAB-D 1714	081571	032940	40	60	90					1.62
MAB-D 1715	081572	032941	40	60	120					2.16
MAB-D 1716	081573	032942	40	80	90					2.18
MAB-D 1718	081575	032944	40	120	90					3.31
MAB-D 1730	081576	032945	50	80	90					2.74
MAB-D 1751	081579	032948	60	60	90					2.46
MAB-D 1760	081583	032952	80	60	90					3.30
MAB-D 2101	081584	032953	45	60	90	21	1/16" x 90°	*	M16	1.82
MAB-D 2111	081588	032956	50	50	120					2.24
MAB-D 2112	081589	032957	50	80	90					2.73
MAB-D 2113	081590	032958	50	80	120					3.64
MAB-D 2114	035239	091317	50	100	120					4.58
MAB-D 2115	090721	091318	50	80	150					4.55
MAB-D 2120	081591	032959	60	60	90					2.45
MAB-D 2125	081596	032964	60	100	120					5.51
MAB-D 2126	081597	032965	60	120	120					6.63
MAB-D 2141	233366	233367	80	80	120					5.88
MAB-D 2501	081599	032967	60	60	140	25.5	3/32" x 90°	*	M 20	3.77
MAB-D 2502	081600	032968	60	80	140					5.08
MAB-D 2503	081601	032969	60	100	155					7.07
MAB-D 2504	081602	032970	60	120	155					8.52
MAB-D 2505	081603	032971	60	150	155					10.70
MAB-D 2506	090720	091319	60	100	200					9.13
MAB-D 2511	081605	032973	80	80	155					7.55

* Indicate when ordering the version with holes drilled.

MAB-DL



Soft top jaws blanks
Long version without holes

- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: 16MnCr5 , Serration ground

Type	Id. No. without holes	B	H	L	N	Serration	kg/piece
MAB-DL 120	233363	35	60	420	12	1/16" x 90°	6.70
MAB-DL 140	233364	35	60	420	14	1/16" x 90°	6.70
MAB-DL 170	233365	40	60	420	17	1/16" x 90°	7.60
MAB-DL 171	233310	40	100	420	17	1/16" x 90°	12.80
MAB-DL 210	233316	50	60	420	21	1/16" x 90°	9.40
MAB-DL 211	233368	50	120	420	21	1/16" x 90°	19.30
MAB-DL 250	233369	60	100	420	25.5	3/32" x 90°	19.20

Other dimensions on request.
Please use the data sheet on page 26 for ordering.



SMW-AUTOBLOK
26, 35, 184, 186

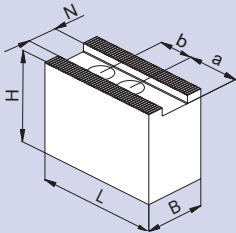


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MWB-D

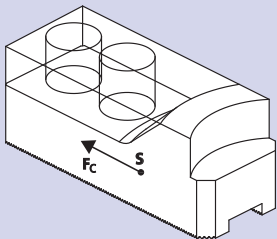


Soft top jaws
Tall version

- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: 16MnCr5, Serration ground



Reduced jaw mass =
Reduced loss of grip force on the chuck under rotation.
Always lighten the top jaws when using them at high speeds!



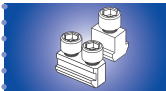
Type	Id. No.	B	H	L	N	Serration	a + b f. ISO 4762	kg/ Set	SMW-AUTOBLOK
MWB-D 111	007094	20	30	52	8	1/16" x 90°	26.5 + 12 M6	0.56	HFKN-D110
MWB-D 130	013488	30	40	55	12	1/16" x 90°	29 + 16 M8	1.25	AN/AL- D 125 BH/HB/PB-D 130 BB-D 140 SP/STP 125
MWB-D 165	233372	35	60	70	14	1/16" x 90°	33 + 16.5 M10	2.78	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165 BHD-FC 165 PB/PBI/RC-D 165 AP/NT-D 170 BB-D 175 HYND-S 180
MWB-D 160	013489	40	60	70	17	1/16" x 90°	33 + 22 M12	3.02	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/ PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
MWB-D 200	013490	40	60	90	17	1/16" x 90°	43 + 22 M12	4.09	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/ PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
MWB-D 250	013491	50	80	120	21	1/16" x 90°	62 + 28 M16	9.16	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PBI-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400*
MWB-D 400	013492	60	90	155	25.5	3/32" x 90°	90 + 35 M20	16.21	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/IL-D 500/630/800 HYDL-S 500/630/800

* With single T-nuts only

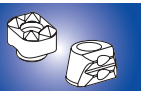
Autoblok	Forkardt	Röhm	Schunk
ODN 125 GHDN 125	KTH 130/140	KFD 130 • KFH 140 KFD-HS 160/175 KFD-HE 170 LVE 125/160	HSG 160 ROTA NCD 165
ODL 200 ODN 200/220 HDL 200 HDN 200/220 GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 KLNC/NH/NHF 250/315 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500



SMW-AUTOBLOK
26, 35, 184, 186

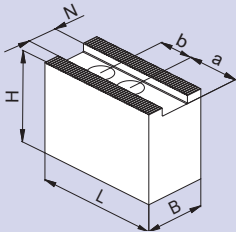


SMW-AUTOBLOK
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SMW-AUTOBLOK
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MWB-DA

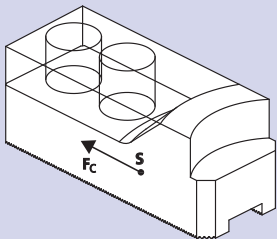


Soft top jaws aluminium
Light version

- Less jaw mass (3 x lighter than steel jaws)
- Higher chip removal at higher speeds
- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: aluminium (tensile strength = 500 N/mm²)



Aluminium jaws are subject to centrifugal force.
Also lighten these jaws for less loss of grip force!



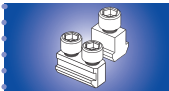
Type	Id. No.	B	H	L	N	Serration	a + b f. ISO 4762	kg/ Set	SMW-AUTOBLOK
MWB-DA 165	036011	40	60	70	14	1/16" x 90°	36 + 22 M10	1.17	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165* BHD-FC 165* PB/PBI/RC-D 165* AP/NT-D 170* BB-D 175* HYND-S 180* HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/ PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
MWB-DA 200	081645	40	60	90	17	1/16" x 90°	43 + 22 M12	1.50	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PBI-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400* HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/L-D 500/630/800 HYDL-S 500/630/800
MWB-DA 250	081646	50	80	120	21	1/16" x 90°	62 + 28 M16	3.26	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/L-D 500/630/800 HYDL-S 500/630/800
MWB-DA 400	081647	60	100	155	25.5	3/32" x 90°	90 + 35 M20	6.38	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/L-D 500/630/800 HYDL-S 500/630/800

* With single T-nuts only

Autoblok	Forkardt	Röhm	Schunk
GHD-FC 165 GHDN 165			TP 160 Rota TP 160
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200 TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500



SMW-AUTOBLOK
26, 35, 184, 186

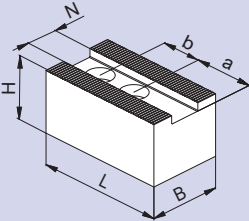


SMW-AUTOBLOK
63



SMW-AUTOBLOK
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LWB-D

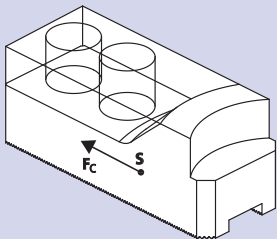


Soft top jaws
low version

- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: 16MnCr5, Serration ground



Reduced jaw mass =
Reduced loss of grip force on the chuck under rotation.
Always lighten the top jaws when using them at high speeds!



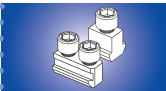
Type	Id. No.	B	H	L	N	Serration	a + b f. ISO 4762	kg/ Set	SMW-AUTOBLOK
LWB-D 160	081613	40	40	80	17	1/16" x 90°	43 + 22 M12	2.38	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
LWB-D 200	081615	40	40	90	17	1/16" x 90°	53 + 22 M12	2.73	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
LWB-D 250	081617	50	50	120	21	1/16" x 90°	70 + 28 M16	5.73	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PBI-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400*
LWB-D 400	081620	60	60	140	25.5	3/32" x 90°	80 + 35 M20	9.56	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/IL-D 500/630/800 HYDL-S 500/630/800

* With single T-nuts only

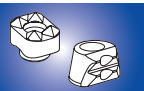
Autoblok	Forkardt	Röhm	Schunk
ODL 200 ODN 200/220 HDL 200 HDN 200/220 GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500



SMW-AUTOBLOK
26, 35, 184, 186

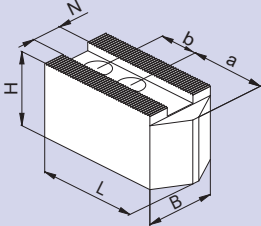


SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

AWB-D

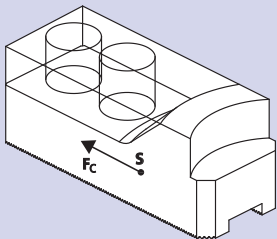


Soft top jaws
low / pointed version

- Inch serration 1/16" x 90°
- Material: 16MnCr5, Serration ground



Reduced jaw mass =
Reduced loss of grip force on the chuck under rotation.
Always lighten the top jaws when using them at high speeds!



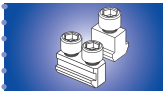
Type	Id. No.	B	H	L	N	Serration	a + b f. ISO 4762	kg/ Set	SMW-AUTOBLOK
AWB-D 110	038258	20	30	55	8	1/16" x 90°	30 + 12 M6	0.59	HFKN-D 110
AWB-D 165	035954	40	40	80	14	1/16" x 90°	43 + 22 M10	2.32	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165* BHD-FC 165* PB/PBI/RC-D 165* AP/NT-D 170* BB-D 175* HYND-S 180*
AWB-D 160	081614	40	40	80	17	1/16" x 90°	43 + 22 M12	2.19	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
AWB-D 200	081616	40	40	90	17	1/16" x 90°	53 + 22 M12	2.61	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/ PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
AWB-D 250	081618	50	50	120	21	1/16" x 90°	70 + 28 M16	5.37	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PBI-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400*
AWB-D 315	081619	50	50	140	21	1/16" x 90°	90 + 28 M16	6.48	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 315* BHD-FC 315* RC-D 305/400* CC 350Z HB/PB/PBI-D 315* AP/APL/NT-D 315* HYND-S 250/315/400*

* With single T-nuts only

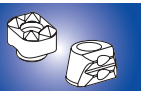
Autoblok	Forkardt	Röhm	Schunk
GHD-FC 165 GHDN 165			TP 160 ROTA TP 160
ODL 200 ODN 200/220 HDL 200 HDN 200/220 GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200 TP 200
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200 TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
ODL 315/400 ODN 315/400 HDL 315/400 HDN 315/400 GHD/FC 305/400 GHDN 315/400 HDB 300 CD 315-65/315-85 305 RCD	QLK/QLC 315 QLK/QLC-KS 315/400 QLK/QLC-LS 315 QLC-AG 315 KG/KT/KP/KTG/KTN/KTGF 315 KLNC/NH/NHF 315 KS 315/400 KSPS 300 KSH/KSHF 315/400 HF315 UVE315	KFD/KFD-HF 315 KFH/KFH-F/KFH-G/KFH-NC 315 KFD-AF 315 KFD-HE 315 KFL 315/400 SPD/SPO 300 LVE 305/315	TH/THF/HSL 315 ROTA NC/ROTA NCD/ROTA NCF 315 ROTA NCO 315 ROTA NCK plus 315 ROTA TP 315 TP 315



SMW-AUTOBLOK
26, 35, 184, 186

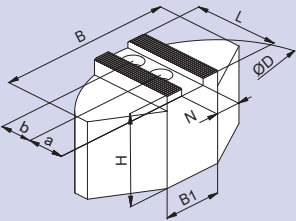


SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

SBS-D

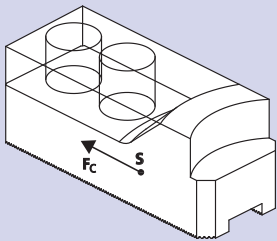


Soft pie jaws

- Less deformation of easy deformed parts with wrap around jaws
- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: 16MnCr5, Serration ground



Pie jaws are heavy!
High jaw mass = high loss of grip force under rotation.
Lighten the jaws for high speeds!



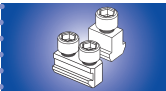
Type	Id. No.	B	B1	H	L	D	N	Serration	a + b f. ISO 4762	kg/ Set	SMW-AUTOBLOK
SBS-D 165	035154	120	40	60	60	165	14	1/16" x 90°	25 + 22 M10	6.11	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165* BHD-FC 165* PB/PB/RC-D 165* AP/NT-D 170* BB-D 175* HYND-S 180*
SBS-D 160	081639	120	40	60	60	160	17	1/16" x 90°	25 + 22 M12	5.88	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PB/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
SBS-D 200	081640	140	64	60	70	200	17	1/16" x 90°	35 + 22 M12	8.83	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PB/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
SBS-D 250/21	081642	180	104	70	80	250	21	1/16" x 90°	30 + 29 M16	14.49	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PB-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400*
SBS-D 400	133459	330	150	85	155	440	25.5	3/32" x 90°	85 + 35 M20	53.49	AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/L-D 500/630/800 HYDL-S 500/630/800

* With single T-nuts only

Autoblok	Forkardt	Röhm	Schunk
GHD-FC 165 GHDN 165			TP 160 ROTA TP 160
ODL 200 ODN 200/220 HDL 200 HDN 200/220 GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200 TP 200
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 200 QLK/QLC-KS 200/250 QLK/QLC-LS 200 QLC-AG 200 NH/NHF 200 KL/KT/KTG/KTN/KS-PS 200 KS 200/250 KSF 200 KGH/KGHF/KTH 200 KG/KP 200 UVE 200/250	KFD/KFD-HF 200 KFH/KFH-F/KFH-G/KFH-NC 200 KFD-AF 200 KFD-HE 210 SPD/SPO 215 LVE 200	TH/THF/HSL 210 ROTA NCD 210 ROTA NC/ROTA NCF/ROTA NCO 210 ROTA NCK plus 210/250 ROTA 2B ROTA TP 200 TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTG 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500



SMW-AUTOBLOK
26, 35, 184, 186

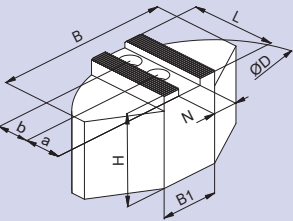


SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

SBA-D

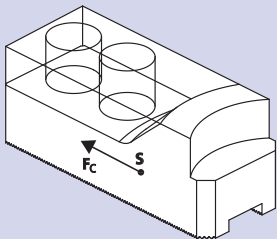


Soft pie jaws aluminium
light version

- Less deformation of easy deformed parts with wrap around jaws
- Less jaw mass (3 x lighter than steel jaws)
- Higher chip removal at higher speeds
- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: aluminium (tensile strength = 500 N/mm²)



Aluminium jaws are subject to centrifugal force.
Also lighten these jaws for less loss of grip force!



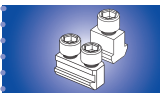
Type	Id. No.	B	B1	H	L	D	N	Serration	a + b f. ISO 4762	kg/ Set	SMW-AUTOBLOK
SBA-D 165	035155	120	40	58	59.5	165	14	1/16" x 90°	25 + 20 M10	2.06	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165* BHD-FC 165* PB/PB/RC-D 165* AP/NT-D 170* BB-D 175* HYND-S 180*
SBA-D 160	081648	120	40	58	59.5	165	17	1/16" x 90°	22 + 22 M12	2.00	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PB/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
SBA-D 200	081649	140	50	58	72.5	200	17	1/16" x 90°	35 + 22 M12	3.02	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PB/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
SBA-D 250/21	081651	180	70	78	87.5	250	21	1/16" x 90°	40 + 29 M16	6.09	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PB/RC-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400*
SBA-D 315	081652	240	80	78	117	320	21	1/16" x 90°	70 + 29 M16	10.59	HFKN-D 315 HB/PB/PB/RC-D 315* SP/SP-L 350 BHD-FC 315* AN/AL/BH/BB-D 315* CC 350Z RC-D 305/400* HYND-S 250/315/400* AP/APL/NT-D 315*
SBA-D 400	231072	330	150	98	160	440	25.5	3/32" x 90°	85 + 35 M20	23.98	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/L-D 500/630/800 HYDL-S 500/630/800

* With single T-nuts only

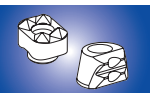
Autoblok	Forkardt	Röhm	Schunk
GHD-FC 165 GHDN 165			TP 160 ROTA TP 160
ODL 200 ODN 200/220 HDL 200 HDN 200/220 GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200 TP 200
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 200 QLK/QLC-KS 200/250 QLK/QLC-LS 200 QLC-AG 200 NH/NHF 200 KL/KT/KTG/KTN/KS-PS 200 KS 200/250 KSF 200 KGH/KGHF/KTH 200 KG/KP 200 UVE 200/250	KFD/KFD-HF 200 KFH/KFH-F/KFH-G/KFH-NC 200 KFD-AF 200 KFD-HE 210 SPD/SPO 215 LVE 200	TH/THF/HSL 210 ROTA NCD 210 ROTA NC/ NCF/ NCO 210 ROTA NCK plus 210/250 ROTA TP 200 TP 200
ODL 250 ODN 250 HDL 250 GHD/FC 250 GHDN 250 CD 250 250 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
ODL 315/400 ODN 315/400 HDL 315/400 HDN 315/400 GHD/FC 305/400 GHDN 315/400 HDB 300 CD 315-65/315-85 305 RCD	QLK/QLC 315 QLK/QLC-KS 315/400 QLK/QLC-LS 315 QLC-AG 315 KG/KT/KP/KTG/KTN/KTGF 315 KLNC/NH/NHF 315 KS 315/400 KSPS 300 KSH/KSHF 315/400 HF315 UVE315	KFD/KFD-HF 315 KFH/KFH-F/KFH-G/KFH-NC 315 KFD-AF 315 KFD-HE 315 KFL 315/400 SPD/SPO 300 LVE 305/315	TH/THF/HSL 315 ROTA NC/NCD/NCF 315 ROTA NCO 315 ROTA NCK plus 315 ROTA TP 315 TP 315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ NCD 400/500 ROTA NCF/ NCO 400/500



SMW-AUTOBLOK
26, 35, 184, 186



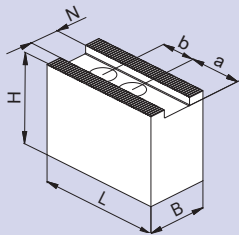
SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

MAB-D

Soft top jaws
for 2-jaw power chucks



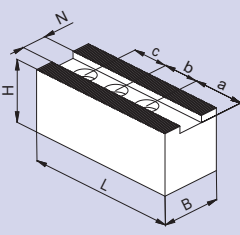
- Inch serration 1/16" x 90°
- Material: 16MnCr5/ C45

Type	Id. No.	B	H	L	N	Serration	a + b f. ISO4762	kg	SMW-AUTOBLOK	Forkardt	Röhm	Schunk
MAB-D3	013750*	70	70	95	21	1/16" x 90°	45 + 28 M16	6.37 *	2 CLD 200 US-2 CLD 200	2 BLE 200 2 BLE 250 Mo 2 BLN 200	KFA 200	ROTA 2B 200
MAB-D4¹	90072500**	60	60	120	25.5	1/16" x 90°	64 + 34 M20	5.20 **	2 CLD 250 US-2 CLD 250 2 CLD 315 US-2 CLD 315	2 BLE 250 2 BLE/PS 250 2 BLN 250 2 BLE/PS 300 2 BLE 315 2 BLE/PS 315 2 BLN 315 2 BLN 400	KFA 250 KFA 315	ROTA 2B 250 ROTA 2B 315 ROTA 2B 400

* Jaws / Set
** Jaw / Piece
¹ Material: C45

WBSA-D

Soft top jaws
for SMW-AUTOBLOK power chucks



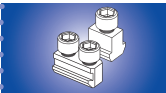
- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: C45

Type	Id. No.	B	H	L	N	Serration	a + b + c f. ISO 4762	kg/ Set	SMW-AUTOBLOK
WBSA-D 125*	12071300	30	30	60	12	1/16" x 90°	29 + 16 M8	0.32	AN/AL-D 125 • BH/HB/PB-D 130 BB-D 140 • SP/STP 125
WBSA-D 165*	12071680	30	35	70	14	1/16" x 90°	37.5 + 16.5 M10	0.42	HFKN-D 165 • PB/PBI/RC-D 165 SP/STP160 • AP/NT-D 170 AN/AL/BH/HB-D 165 BB-D 175 • BHD-FC 165 HYND-S 180
WBSA-D 210*	12072130	35	40	90	17	1/16" x 90°	47 + 23 M12	0.73	HFKN-D 210 • HB/PB/PBI/RC-D 210 SP/STP 200/240 • AP/APL/NT-D 215 AN/AL/BH/BB-D 210 HYND-S 210/226 BHD-FC 210 • CC 240Z
WBSA-D 250*	12072500	45	45	110	21	1/16" x 90°	60 + 30 M16	1.25	HFKN-D 260/315 RC-D 250/305/400 SP/STP 280 • SP/SP-L 350 CC 350Z • HB/ PB/PBI-D 250/315 AN/AL/BH/BB-D 250 AP/APL/NT-D 315 AN/AL/BH/BB-D 315 HYND-S 250/315 BHD-FC 250/315
WBSA-D 260*	12072620	40	45	110	17	1/16" x 90°	60 + 30 M12	1.23	AP/APL/NT-260
WBSA-D 315	12073000	50	50	125	21	1/16" x 90°	43 + 30 + 30 M16	1.85	HFKN-D 315 RC-D 305/400 SP/SP-L 350 • HYND-S 315 AN/AL/BH/BB-D 315 AP/APL/NT-D 315 BHD-FC 315 • CC 350Z
WBSA-D 400	12074040	60	60	140	25.5	3/32" x 90°	75 + 38 M20	3.18	HFKN-D 400/500 BHD-FC 400/500/630 BB-N 400/470/500/600 IN/IL-D 500/630/800 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 HYDL-S 500/630/800 AN/AL/BB-D 400 BH-D 400/450/500/630/800 AP/APL/NT-D 400
WBSA-D 401	12074030	60	60	140	21	1/16" x 90°	25 + 34 + 34 M16	3.20	RC-D 400 GH-D 400
WBSA-D 500	12075050	59.5	60	170	25.5	3/32" x 90°	69 + 38 + 38 M20	3.62	HFKN-D 400/500 BHD-FC 400/500/630 BB-N 400/470/500/600 IN/IL-D 500/630/800 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 HYDL-S 500/630/800 AN/AL/BB-D 400 BH-D 400/450/500/630/800 AP/APL/NT-D 400
WBSA-D 610	12075040	75	75	160	25.5	3/32" x 90°	59 + 38 + 38 M20	5.69	HFKN-D 400/500 BHD-FC 400/500/630 BB-N 400/470/500/600 IN/IL-D 500/630/800 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 HYDL-S 500/630/800 AN/AL/BB-D 400 BH-D 400/450/500/630/800 AP/APL/NT-D 400

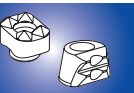
* Jaws pointed



SMW-AUTOBLOK
26, 35, 184, 186



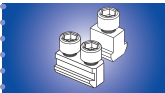
SMW-AUTOBLOK
63



SMW-AUTOBLOK
74



SMW-AUTOBLOK
26, 35, 184, 186

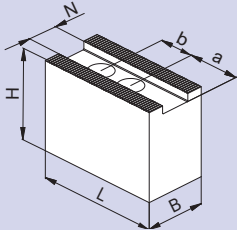


SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

WBB-D



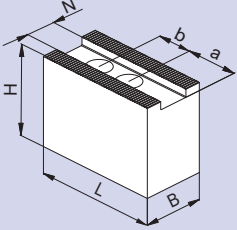
Soft top jaws
for Berg power chucks

- Inch serration 1/16" x 90°
- Material: 16MnCr5 , Serration ground

Type	Id. No.	B	H	L	N	Serration	a + b für ISO 4762	kg/ Set	Berg
WBB-D 211	034241	20	40	55	8	1/16" x 90°	30 + 14 M8	0.77	KH 110-30
WBB-D 232*	081621	30	45	70	10	1/16" x 90°	38 + 19 M10	1.63	KH 140-36 KH 160-45
WBB-D 235	081622	30	55	84	12	1/16" x 90°	45 + 21 M12	2.50	KH 175-56 KH 200-68
WBB-D 237	081623	35	60	90	12	1/16" x 90°	55 + 21 M12	3.60	KH 175-56 KH 200-68
WBB-D 240	081624	40	60	110	16	1/16" x 90°	63 + 29 M16	4.79	KH 250-91 KH 315-117

* Jaws pointed

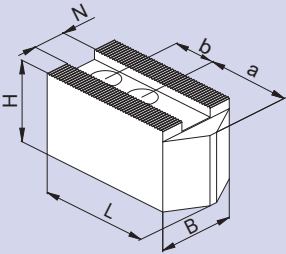
WBR-D



Soft top jaws

- Inch serration 1/16" x 90°
- Material: 16MnCr5 , Serration ground

Type	Id. No.	B	H	L	N	Serration	a + b for ISO 4762	kg/ Set	Röhm	Schunk
WBR-D 012	081630	30	55	55	12	1/16" x 90°	31 + 15 M8	1.72	KFD-HS 160/175 KFD 130 KFD-HE 170 KFH 140	HSG 160 ROTA NCD 165
WBR-D 017	081631	40	60	70	17	1/16" x 90°	39 + 19 M12	3.04	KFD-HS 200 KFD 200 KFD-HE 210	HSG 200
WBR-D 117	081632	40	60	90	17	1/16" x 90°	59 + 19 M12	4.12	KFD-HS 250 KFD 200 KFD-HE 210	HSG 250
WBR-D 021	081633	50	60	105	21	1/16" x 90°	65 + 25 M16	5.86	KFD-HS 315 KFD 250 KFD-HE 254/315	HSG 315 ROTA NCD 250/315



Soft top jaws
for front end power chucks

- Inch serration 1/16" x 90° or 3/32" x 90°
- Material: 16MnCr5 , C45¹

Type	Id. No.	B	H	L	N	Serration	a + b for ISO 4762	kg	SMW-AUTOBLOK	Röhm	Schunk
WBC-D 125*	013795**	30	40	74	11	1/16" x 90°	35 + 18 M8	1.62 **		LVE 125	TP 125-26 ROTA TP 125
MWB-D 130	013488**	30	40	55	12	1/16" x 90°	29 + 16 M8	1.2 **	SP 125 ab Bj. 98 STP 125		
WBSA-D 1251*	12071300***	30	30	60	12	1/16" x 90°	29 + 16 M8	0.96 ***	SP 125 ab Bj. 98 STP 125		
AWB-D 165*	035954**	40	40	80	14	1/16" x 90°	43 + 22 M10	2.32 **	SP 160 ab Bj. 98 STP 160	LVE 160	TP 160-38 ROTA TP 160
AWB-D 200*	081616**	40	40	90	17	1/16" x 90°	53 + 22 M12	2.61 **	SP 200/240 STP 200/240 CC 240 Z	LVE 200	TP 200-52 ROTA TP 200
AWB-D 250*	081618**	50	50	120	21	1/16" x 90°	70 + 28 M16	5.37 **	SP 250/280/350 SP 280 STP 280	LVE 250 LVE 315	TP 250/315 ROTA TP 250 ROTA TP 315/350
AWB-D 315*	081619**	50	50	140	21	1/16" x 90°	90 + 28 M16	6.48 **	SP 350 SP-L 350 CC 350 Z		TP 315 ROTA TP 315/350
WBSA-D 500 ¹	12075050***	59.5	60	170	25.5	3/32" x 90°	69 + 38 + 38 M20	3.62 ***	BB-N 400/470 BB-N 500/600 BB-N ES 400/470 BB-N ES 500/600 BB-EXL(SC)2G 510 BB-EXL(SC)2G 660	LVE 400/500 LVE 630/800 LVE 1000	TB 400 ROTA EP 380 ROTA TB 400 TB 500 ROTA EP 460 ROTA TB 500/610 ROTA TB 630-265LH
WBC-D 502 ¹	12075140***	60	60	205	25.5	3/32" x 90°	104 + 38 + 38 M20	4.50 ***	BB-N 400/470 BB-N 500 BB-N ES 400/470 BB-N ES 500/600 BB-EXL(SC)2G 510 BB-EXL(SC)2G 660	LVE 400/500 LVE 630/800 LVE 1000	TB 400 ROTA EP 380 ROTA TB 400 TB 500 ROTA EP 460 ROTA TB 500/610 ROTA TB 630-265LH
WBC-D 630 ¹	12076440***	80	80	240	30	3/32" x 90°	110 + 50 + 50 M24	9.65 ***	BB-N 630 BB-N ES 630 BB-AZ2G 685 BB-AZ2G 740 BB-AZ2G 1000 BB-EXL(SC)2G 900		ROTA TB 630 TB 800/1000/1200 ROTA TB 800/850 ROTA TB 100/1200
WBC-D 800 ¹	12078040***	80	80	320	30	3/32" x 90°	165 + 60 + 60 M24	13.29 ***	BB-N 800/ 1000 BB-N ES 850 BB-N ES 1000 BB-AZ2G 685 BB-AZ2G 740 BB-AZ2G 1000 BB-EXL(SC)2G 900		TB 800/1000/1200 ROTA TB 800/850 ROTA TB 100/1200
WBCL-D 800 ¹	12079040***	80	80	390	30	3/32" x 90°	230 + 60 + 60 M24	16.55 ***	BB-N 800/ 1000 BB-N ES 850 BB-N ES 1000 BB-AZ2G 685 BB-AZ2G 740 BB-AZ2G 1000 BB-EXL(SC)2G 900		TB 800/1000/1200 ROTA TB 800/850 ROTA TB 100/1200

* Jaws pointed

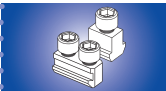
** Jaws / Set

*** Jaw / Piece

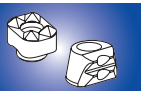
¹ Material C45



SMW-AUTOBLOK
26, 35, 184, 186



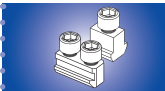
SMW-AUTOBLOK
63



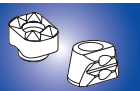
SMW-AUTOBLOK
74



SMW-AUTOBLOK
26, 35, 184, 186



SMW-AUTOBLOK
63

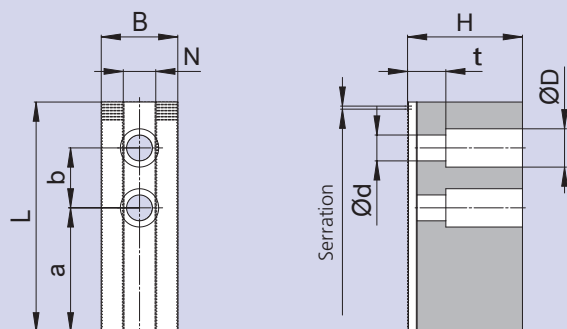


SMW-AUTOBLOK
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Soft special jaws to customer request

- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Soft top jaw-blanks



Dimensions

a		mm	H		mm
b		mm	L		mm
B		mm	N		mm
d		mm	t		mm
D		mm			

Jaw serration (please mark)

	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

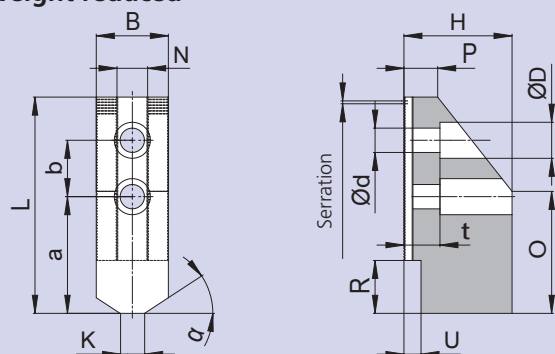
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Soft top jaw-blanks weight reduced



Dimensions

a		mm	K		mm
b		mm	O		mm
B		mm	P		mm
d		mm	R		mm
D		mm	t		mm
H		mm	U		mm
L		mm	α		Grad
N		mm			

Jaw serration (please mark)

	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

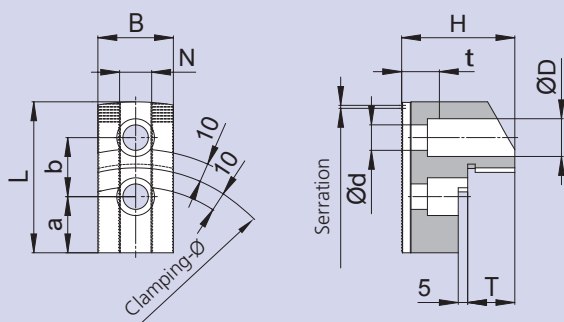
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Soft top jaws for OD clamping



Dimensions

a		mm	L		mm
b		mm	N		mm
B		mm	t		mm
d		mm	T		mm
D		mm	Clamping-Ø		mm
H		mm	Workpiece-Ø		mm

Jaw serration (please mark)

	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

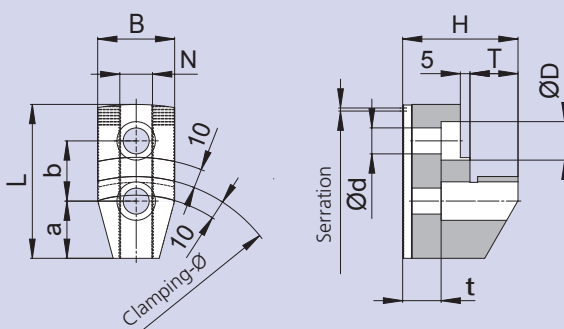
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Soft top jaws for ID clamping



Dimensions

a		mm	L		mm
b		mm	N		mm
B		mm	t		mm
d		mm	T		mm
D		mm	Clamping-Ø		mm
H		mm	Workpiece-Ø		mm

Jaw serration (please mark)

	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

Material

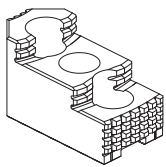
Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaws – Inch serration

SMW-AUTOBLOK | Forkardt | Röhme | Schunk



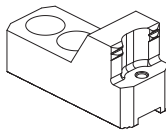
MHB-D

Reversible

Hard top jaws

- Inch serration
1/16" x 90° or 3/32" x 90°

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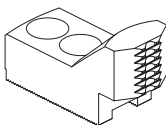
GG-D

For internal and external clamping

Hard roughing jaws

- Inch serration
1/16" x 90° or 3/32" x 90°

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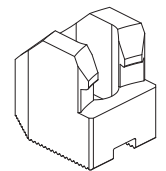


GSG-D

Hard roughing jaws for bar work

- Inch serration
1/16" x 90° or 3/32" x 90°

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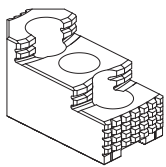
GFB-D

For bar pulling chucks

Hard top jaws

- Inch serration
1/16" x 90°
- For bar pulling chucks GF 80
SMW-AUTOBLOK
Röhme

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MHB-D

For pneumatic front-end chucks

Hard top jaws

- Inch serration
1/16" x 90° or 3/32" x 90°
- For pneumatic front-end chucks
SMW-AUTOBLOK
Röhme, Schunk

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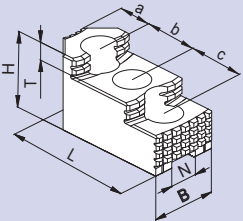
Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

MHB-D



Hard, reversible stepped top jaws

- Inch serration 1/16" x 90° or 3/32" x 90°
- Serration ground



For highest accuracy we redommand to grind the jaws on the chuck under clamping conditions.

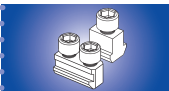
Type	Id. No.	B	H	L	T	N	Serration	a + b + c for ISO 4762	kg/ Set	SMW-AUTOBLOK
MHB-D 110	007076	20	31	48.2	7	8	1/16" x 90°	14.5 + 12 + 12 M6	0.35	HFKN-D 110
MHB-D 130	12081306	29.7	34	58.1	8.5	12	1/16" x 90°	13 + 16 + 16 M8	0.60	AN/AL-D 125 BH/HB/PB-D 130 BB-D 140 SP/STP 125
MHB-D 160	12081636	34	39	65.2	10	14	1/16" x 90°	18 + 16.5 + 16.5 M10	0.89	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165 BHD-FC 165 PB/PBI/RC-D 165 AP/NT-D 170 BB-D 175 HYND-S 180
MHB-D 200	12082036	40	45	82.7	10.5	17	1/16" x 90°	19 + 23 + 23 M12	1.68	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PBI/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
MHB-D 260	12082626	45	56	101.1	13.5	17	1/16" x 90°	23 + 30 + 30 M12	3.08	AP/APL/NT-D 260
MHB-D 251	12083036	45	56	106.2	13.5	21	1/16" x 90°	26 + 30 + 30 M16	2.87	HFKN-D 260/315 SP/STP 280
MHB-D 315	12083186	45	56	123.6	13.5	21	1/16" x 90°	43 + 30 + 30 M16	3.72	SP/SP-L 350 AN/AL/BH/BB-D 250 AN/AL/BH/BB-D 315 BHD-FC 250/315 RC-D 250/305/400 CC 350Z HB/PB/PBI-D 250/315 AP/APL/NT-D 315 HYND-S 250/315/400 RC-D 400
MHB-D 401	12084506	60	75	141.1	19	21	1/16" x 90°	38 + 38 + 38 M16	5.10	
MHB-D 500	12084546	60	75	140.8	19	25.5	3/32" x 90°	38 + 38 + 38 M20	7.10	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/IL-D 500/630/800 HYDL-S 500/630/800
MHB-D 610 ¹	12086346	74	74	146.8	32	25.5	3/32" x 90°	46 + 38 + 38 M20	9.61	BH-D 630/800 IN/IL-D 630/800 HYDL-S 500/630/800

¹ 1 step only
* With single T-nuts only

Autoblok	Forkardt	Röhm	Schunk
ODN 125 GHDN 125	KTH 130/140	KFD 130 KFH 140 KFD-HS 160/175 KFD-HE 170 LVE 125/160	HSG 160 ROTA NCD 165
GHD-FC 165 GHDN 165			
ODL 200 ODN 200/220/250 S HDL 200 HDN 200/220/250 S GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 NH/NHF 160/175/200 KL/KT/KTG/KTN/KS-PS 160/200 KS 160/200/250 KSF 175/200 KGH/KGHF/KTH 160/175/200 KG/KP 200 UVE 160/200/250	KFD/KFD-HF 160/200 KFH/KFH-F/KFH-G/KFH-NC 160/200 KFD-AF 160/200 KFD-HE 210 SPD/SPO 160/215 LVE 200	TH/THF/HSL 165/210 ROTA NCD 185/210 ROTA NC/ROTA NCF 165/210 ROTA NCO 165/210 ROTA NCK plus 210/250 ROTA 2B 160 ROTA TP 200 TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800 NH/NHF 630 KT/KTGF 630 KS 630 KSHF 630 KSL 630 UVE 630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500
	NH/NHF 630 KT/KTGF 630 KS 630 KSHF 630 KSL 630 UVE 630/800	KFD 630/800 LVE 630/800/1000	

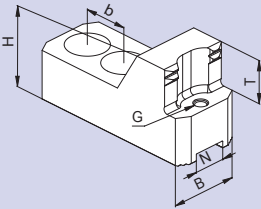


SMW-AUTOBLOK
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GG-D



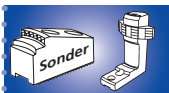
Hard roughing jaws
for external and internal clamping

- Inch serration 1/16" x 90° or 3/32" x 90°
- Serration ground

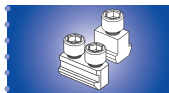
Type	Id. No.	External clamping	Internal clamping	B	H	T	G	N	Serration	b	kg/ Set	SMW-AUTOBLOK
GG-D 001	081047	25-40	-	35	40	20	M6	12	1/16" x 90°	16	1.36	
GG-D 002	081048	40-60	-								1.24	
GG-D 003	081049	60-80	-								1.13	
GG-D 004	081050	80-100	-								0.91	
GG-D 005	081051	100-120	127-146								0.83	
GG-D 006	090803	120-140	109-127								0.89	
GG-D 004	081050	47-68	110-128	35	40	20	M6	12	1/16" x 90°	16	0.91	AN/AL-D 125
GG-D 005	081051	67-88	92-111								0.83	BH/HB/PB-D 130
GG-D 006	090803	87-102	74-93								0.89	BB-D 140 SP/STP 125
GG-D 010	090732	25-50	-	35	45	20	M6	14	1/16" x 90°	16.5	1.77	HFKN-D 165
GG-D 011	090733	49-80	145-185								1.26	SP/STP 160
GG-D 012	090734	80-120	115-145								1.13	AN/AL/BH/HB-D 165
GG-D 013	090735	119-150	80-115								1.08	BHD-FC 165
											1.16	PB/PB/RC-D 165 AP/NT-D 170 BB-D 175 HYND-S 180
GG-D 020	081052	40-60	-	35	50	25	M6	17	1/16" x 90°	22	1.43	
GG-D 021	081053	60-80	168-188								1.29	
GG-D 022	081054	80-100	144-164								1.05	
GG-D 023	081055	100-120	125-145								1.02	
GG-D 024	081056	120-140	105-125			20					1.14	
GG-D 030	081057	30-60	-	35	50	25	M6	17	1/16" x 90°	22	1.87	HFKN-D 210
GG-D 031	081058	60-90	210-240								1.55	SP/STP 200/240
GG-D 032	081059	90-120	180-210	40	45	20					1.24	AN/AL/BH/BB-D 210
GG-D 033	081060	120-150	150-180	40	45	20					1.29	BHD-FC 210
GG-D 034	090811	-	120-150	40	50	25					1.73	CC 240Z
GG-D 035	090812	-	90-120	40	50	25					2.06	HB/PB/PB/RC-D 210 AP/APL/NT-D 215 HYND-S 210/226
GG-D 030	081057	40-80	-	35	50	25	M6	17	1/16" x 90°	22	1.87	AP/APL/NT-D 260*
GG-D 031	081058	80-120	210-290								1.55	
GG-D 032	081059	120-160	175-250	40	45	20					1.24	
GG-D 033	081060	160-200	140-210	40	45	20					1.29	
GG-D 034	090811	-	120-160	40	50	25					1.73	
GG-D 035	090812	-	90-130	40	50	25					2.06	
GG-D 050	081065	40-80	-	45	59	28	M8	21	1/16" x 90°	29	3.38	HFKN-D 260
GG-D 051	081066	80-120	250-300	45							2.57	SP/STP 280
GG-D 052	081067	120-160	220-260	60							3.14	AN/AL/BH/BB-D 250
GG-D 053	081068	160-210	180-225	60							2.75	BHD-FC 250
GG-D 054	090817	200-250	140-180	60							3.85	RC-D 250
GG-D 055	090818	-	100-150	60							4.74	HB/PB/PB/RC-D 250
GG-D 056	090819	-	80-120	45	46	15					3.06	HYND-S 250
GG-D 060	081069	50-110	-	45	59	28	M8	21	1/16" x 90°	29	3.76	HFKN-D 315
GG-D 061	081070	100-170	280-350	60							4.61	HB/PB/PB/RC-D 315
GG-D 062	080552	150-220	240-290	60							3.65	SP/SP-L 350
GG-D 063	081071	210-290	175-250	60							3.80	BHD-FC 315
GG-D 064	090820	280-350	120-180	60	51	20					4.48	AN/AL/BH/BB-D 315 CC 350Z RC-D 305/400 HYND-S 315/400 AP/APL/NT-D 315
GG-D 080 ¹	081076	60-160	-	60	80	40	M8	25.5	3/32" x 90°	35	8.67	HFKN-D 400/500
GG-D 081 ¹	019355	160-240	-								7.30	AP/AP-L/NT-D 400*
GG-D 082 ¹	081077	240-320	270-380								4.88	BB-N 400/460/500/600
GG-D 083 ¹	081078	320-400	190-290								6.26	BB-N ES 400/460/500/600
GG-D 084 ¹	081079	350-460	140-230								8.47	BB-EXL(SC)2G 510/660
GG-D 085 ¹	081080	-	100-160	60	20						8.18	AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/L-D 500/630/800 HYDL-S 500/630/800

¹ Clamping range valid for chuck Ø 400

* With single T-nuts only



SMW-AUTOBLOK
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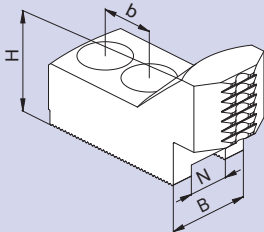
SMW-AUTOBLOK
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SMW-AUTOBLOK
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Autoblok	Forkardt	Röhm	Schunk
		KFD-HS 160/175 KFD-HE 170 LVE 160	HSG 160 ROTA NCD 165
GHDN 125 ODN 125	KTH 130/140	KFD 130 KFH 140 LVE 125	
GHD-FC 165 GHDN 165			
	QLK/QLC 160/175 • QLK/QLC-LS 160 NH/NHF 160/175 KL/KT/KTG/KTN/KS-PS 160 KS 160 • KSF 175 KGH/KGHF/KTH 160/175 • UVE 160	KFD/KFD-HF 160 KFH/KFH-F/KFH-G/KFH-NC 160 KFD-AF 160 SPD/SPO 160	TH/THF/HSL 165 ROTA NCD 185 ROTA NC/ROTA NCF/ROTA NCO 165 ROTA 2B 160
CD 200 GHD-FC 210 HDL 200 HDN 200 GHDN 210 ODL/ODN 200 RCD 210	QLK/QLC 200 QLK/QLC-KS/LS 200 QLC-AG 200 NH/NHF 200 KL/KT/KTG/KTN/KS-PS 200 KS 200/250 KSF 200 KGH/KGHF/KTH 200 KG/KP 200 UVE 200	KFD/KFD-HF 200 KFH/KFH-F/KFH-G/KFH-NC 200 KFD-AF 200 KFD-HE 210 SPD/SPO 215 LVE 200	TH/THF/HSL 210 ROTA NCD 210 ROTA NC/ROTA NCF/ROTA NCO 210 ROTA NCK plus 210 ROTA TP 200 TP 200
HDN 220 ODN 220 HBD 220	KL 250 KS 250 UVE 250 NHF 250-65 (Index) QLK/QLC-KS 250	KFL 250 KFD-HS 250	ROTA NCK plus 250
RCD 250 GHD-FC 250 HDL/HDN 250 GHDN 250 ODL/ODN 250	QLK/QLC 250 QLK/QLC-LS 250 QLC-AG 250 KG/KT/KP/KTG/KTN/KTGF 250 KLNC/NH/NHF 250 KSPS 250 KSH/KSHF 250	KFD/KFD-HF 250 KFH/KFH-F/KFH-G/KFH-NC 250 KFD-AF 250 KFD-HE 254 LVE 250	TH/THF/HSL 250 ROTA NC/ROTA NCD/ROTA NCF 250 ROTA NCO 260 ROTA TP 250 TP 250
	QLK/QLC 315 QLK/QLC-KS 315/400 QLK/QLC-LS 315 QLC-AG 315 KG/KT/KP/KTG/KTN/KTGF 315 KLNC/NH/NHF 315 KS 315/400 KSPS 300 KSH/KSHF 315/400 HF315 UVE315	KFD/KFD-HF 315 KFH/KFH-F/KFH-G/KFH-NC 315 KFD-AF 315 KFD-HE 315 KFL 315/400 SPD/SPO 300 LVE 305/315	TH/THF/HSL 315 ROTA NC/ROTA NCD 315 ROTA NCF 315 ROTA NCO 315 ROTA NCK plus 315 ROTA TP 315 TP 315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500

GSG-D



Hard roughing jaws for bar work

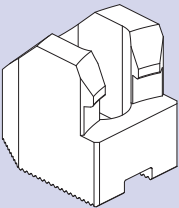
- Inch serration 1/16" x 90° or 3/32" x 90°
- Serration ground

Type	Id. No.	Clamping range Ø	B	H	N	Serration	b for ISO 4762	kg/ Set	SMW-AUTOBLOK
GSG-D 165 ¹	091343	15-40	30	40	14	1/16" x 90°	20 M10	1.06	HFKN-D 165 SP/STP 160 AN/AL/BH/HB-D 165* BHD-FC 165* PB/PB/RC-D 165* AP/NT-D 170* BB-D 175* HYND-S 180*
GSG-D 200 ²	091344	15-50	35	45	17	1/16" x 90°	22 M12	1.50	HFKN-D 210 SP/STP 200/240 AN/AL/BH/BB-D 210 BHD-FC 210 CC 240Z HB/PB/PB/RC-D 210 AP/APL/NT-D 215 AP/APL/NT-D 260* HYND-S 210/226
GSG-D 250 ³	091345	20-70	45	50	21	1/16" x 90°	28 M16	2.69	HFKN-D 260/315 SP/STP 280 SP/SP-L 350 AN/AL/BH/BB-D 250* AN/AL/BH/BB-D 315* BHD-FC 250/315* RC-D 250/305/400* CC 350Z HB/PB/PB/RC-D 250/315* AP/APL/NT-D 315* HYND-S 250/315/400*
GSG-D 400 ⁴	091346	40-100	55	60	25.5	3/32" x 90°	35 M20	7.78	HFKN-D 400/500 AP/AP-L/NT-D 400* BB-N 400/470/500/600 BB-N ES 400/470/500/600 BB-EXL(SC)2G 510/660 AN/AL/BB-D 400 BH-D 400/450/500/630/800 BHD-FC 400/500/630 IN/IL-D 500/630/800 HYDL-S 500/630/800

* With single T-nuts only
¹ Clamping range valid for chuck Ø 165
² Clamping range valid for chuck Ø 210
³ Clamping range valid for chuck Ø 260
⁴ Clamping range valid for chuck Ø 400

Autoblok	Forkardt	Röhm	Schunk
GHD-FC 165 GHDN 165			TP 160
ODL 200 ODN 200/220 HDL 200 HDN 200/220 GHD/FC 210 GHDN 210 HDB 220 CD 200 210 RCD	QLK/QLC 200 QLK/QLC-KS/LS 200 QLC-AG 200 NH/NHF 200 KL/KT/KTG/KTN/KS-PS 200 KS 200/250 KSF 200 KGH/KGHF/KTH 200 KG/KP 200 UVE 200	KFD/KFD-HF 200 KFH/KFH-F/KFH-G/KFH-NC 200 KFD-AF 200 KFD-HE 210 SPD/SPO 215 LVE 200	TH/THF/HSL 210 ROTA NCD 210 ROTA NC/ROTA NCF/ROTA NCO 210 ROTA NCK plus 210/250 ROTA TP 200 TP 200
ODL 250/315/400 ODN 250/315/400 HDL 250/315/400 HDN 200/315/400 GHD/FC 250/305/400 GHDN 250/315/400 HDB 300 CD 250/315-65/315-85 250 RCD 305 RCD	QLK/QLC 250/315 QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315 KG/KT/KP/KTG/KTN/KTGF 250/315 KLNC/NH/NHF 250/315 KS 315/400 KSPS 250/300 KSH/KSHF 250/315/400 HF315 UVE315	KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 SPD/SPO 300 LVE 250/305/315	TH/THF/HSL 250/315 ROTA NC/ROTA NCD 250/315 ROTA NCF 250/315 ROTA NCO 260/315 ROTA NCK plus 315 ROTA TP 250/315 TP 250/315
	QLK/QLC 400 NH/NHF 400/500/630 KT/KTGF 400/500/630 KS 500/630 KG/KL/KP/KLNC 400/500 KSHF 630 KSH 500 KSL 630 KSPS 400 UVE 400/500/630/800	KFD 400/500/630/800 KFD-HF 400/500/630 KFD-HS 400/500 KFD-HE 400 KFH/KFH-F/KFH-G/KFH-NC 400/500 KFL 500/600 KFD-HE 400 LVE 400/500/630/800/1000	TH/THF 400/500 HSL 400 HSG 400/500 ROTA NC/ROTA NCD 400/500 ROTA NCF/ROTA NCO 400/500

GFB-D

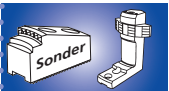


Hard top jaws for GF-80

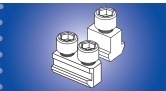
- Inch serration 1/16" x 90°
- Serration ground

Type	Id. No.	Clamping range Ø	B	H	N	Serration	b for ISO 4762	kg/ Set	SMW-AUTOBLOK
GFB-D 1	016348	5-25	25	39	10	1/16" x 90°	M8	0.64	GF 80
GFB-D 2	016349	25-45	30	39	10	1/16" x 90°	M8	0.62	GF 80
GFB-D 3	016350	45-65	30	39	10	1/16" x 90°	M8	0.53	GF 80
GFB-D 4	016351	65-80	30	39	10	1/16" x 90°	M8	0.47	GF 80
GFB-D 5	016352	80-100	30	39	10	1/16" x 90°	M8	0.51	GF 80

Autoblok	Forkardt	Röhm	Schunk
		GF 80	
		GF 80	
		GF 80	
		GF 80	
		GF 80	

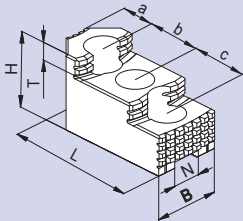


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MHB-D



Hard, reversible stepped top jaws
for front end power chucks

- Inch serration 1/16" x 90° or 3/32" x 90°
- Serration ground

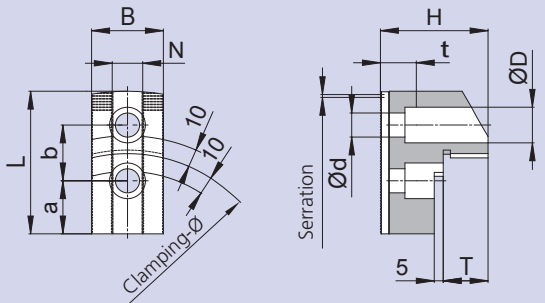
Type	Id. No.	B	H	L	T	N	Serration	a + b + c f. ISO 4762	kg/ Set	SMW- AUTOBLOK	Röhms	Schunk
MHB-D 125	013817	24	40	57.7	9	11	1/16" x 90°	9.5 + 18 + 18 M8	0.68		LV 125	TP 125-26 ROTA TP 125
MHB-D 130	12081306	29.7	34	58.1	8.5	12	1/16" x 90°	13 + 16 + 16 M10	0.60	SP 125-26 ab Bj. 98 STP 125 ab Bj. 98		
MHB-D 160	12081636	34	39	65.2	10	14	1/16" x 90°	18 + 16.5 + 16.5 M10	0.89	SP 160-38 STP 160	LVE 160	TP 160-38 ROTA TP 160
MHB-D 200	12082036	40	45	82.7	10.5	17	1/16" x 90°	19 + 23 + 23 M12	1.68	SP 200/240 STP 200/240	LVE 200	TP 200-52 ROTA TP 200
MHB-D 251	12083036	45	56	106.2	13.5	21	1/16" x 90°	26 + 30 + 30 M16	2.87	SP 250/280/350 STP 280	LVE 305 LVE 250	TP 250/315 ROTA TP 250/315 ROTA TP 350
MHB-D 315	12083186	50	56	123.6	13.5	21	1/16" x 90°	43 + 30 + 30 M16	3.72	SP 350 SP-L 350	LVE 315	TP 315 ROTA TP 315/350
MHB-D 500	12084546	60	75	140.8	19	25.5	3/32" x 90°	38 + 38 + 38 M20	7.10	BB-N 400/470 BB-N 500/600 BB-N ES 400/470 BB-N ES 500/600 BB-EXL(SC)2G 510 BB-EXL(SC)2G 660	LVE 400/500 LVE 630/800 LVE 1000	TB 400/500 ROTA EP 380/46 ROTA TB 400/500 ROTA TB 610 ROTA TB 630-265 LH
MHB-D 630 ¹	12086446	75	85	161.8	30	30	3/32" x 90°	30 + 50 + 50 M24	13.50	BB-N 630-310 BB-N ES 630 BB-AZ2G 685 BB-AZ2G 740 BB-AZ2G 1000 BB-EXL(SC)2G 900		ROTA TB 630
MHB-D 800 ¹	12088046	75	85	220	30	30	3/32" x 90°	51 + 62 + 62 M24	19.50	BB-N 800-410 BB-N ES 850 BB-N ES 1000 BB-AZ2G 685 BB-AZ2G 740 BB-AZ2G 1000 BB-EXL(SC)2G 900		TB 800/1000/1200 ROTA TB 800/850 ROTA TB 1000/1200

¹ 1 step only

Hard special jaws
to customer request

- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Hard top jaw for external clamping
with smooth clamping surface

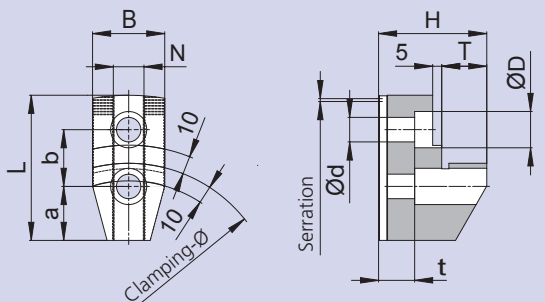


Dimensions				
a	mm	L	mm	
b	mm	N	mm	
B	mm	t	mm	
d	mm	T	mm	
D	mm	Clamping-Ø	mm	
H	mm	Workpiece-Ø	mm	

Jaw serration (please mark)			
	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

Material			
Quantity in pieces			
Chuck manufacturer			
Chuck type + size			

Hard top jaw for internal clamping
with smooth clamping surface

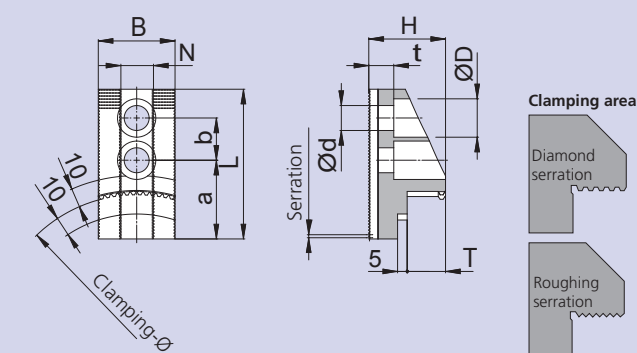


Dimensions				
a	mm	L	mm	
b	mm	N	mm	
B	mm	t	mm	
d	mm	T	mm	
D	mm	Clamping-Ø	mm	
H	mm	Workpiece-Ø	mm	

Jaw serration (please mark)			
	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

Material			
Quantity in pieces			
Chuck manufacturer			
Chuck type + size			

Hard top jaw for external clamping
with serrated clamping surface



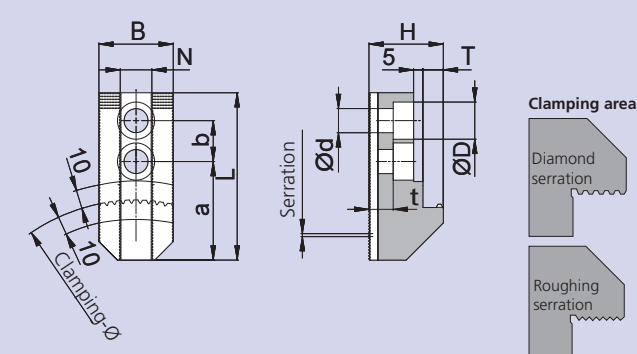
Dimensions				
a	mm	L	mm	
b	mm	N	mm	
B	mm	t	mm	
d	mm	T	mm	
D	mm	Clamping-Ø	mm	
H	mm	Workpiece-Ø	mm	

Jaw serration (please mark)			
	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

Clamping area (please mark)			
Diamond serration			
Roughing serration			

Material			
Quantity in pieces			
Chuck manufacturer			
Chuck type + size			

Hard top jaw for internal clamping
with serrated clamping surface

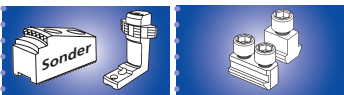


Dimensions				
a	mm	L	mm	
b	mm	N	mm	
B	mm	t	mm	
d	mm	T	mm	
D	mm	Clamping-Ø	mm	
H	mm	Workpiece-Ø	mm	

Jaw serration (please mark)			
	1/16" x 90°		1.5 x 60°
	3/32" x 90°		3 x 60°

Clamping area (please mark)			
Diamond serration			
Roughing serration			

Material			
Quantity in pieces			
Chuck manufacturer			
Chuck type + size			

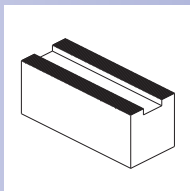


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SMW-AUTOBLOK
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Soft top jaws – Metric serration

SMW-AUTOBLOK | Howa | Samchully | Kitagawa | Schunk



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MAB-M

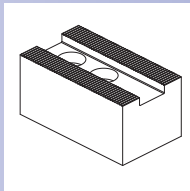
Without holes
16MnCr5

Soft top jaws

- Metric serration
1.5 x 60°

MAB-ML

Without holes,
16MnCr5
Long version



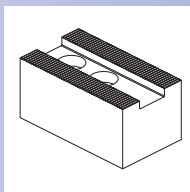
Page 38

MAB-M

With holes
16MnCr5

Soft top jaws

- Metric serration
1.5 x 60°
- Hole pattern according
to customer specifications



Page 40

WBJ-M

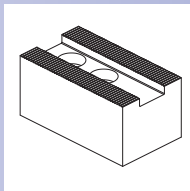
Tall version

16MnCr5/ C45 (induction/ flame hardenable)

Soft top jaws

- Metric serration
1.5 x 60° bzw. 3 x 60°
- Partly pointed version

WBSA-M



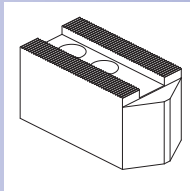
Page 42

WBJ-MA

Light version
Aluminium F50

Soft top jaws aluminium

- Metric serration
1.5 x 60°



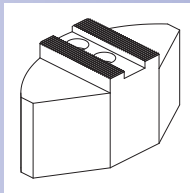
Page 44

AWB-M

Long, pointed version
16MnCr5

Soft top jaws

- Metric serration
1.5 x 60° bzw. 3 x 60°



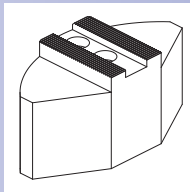
Page 46

SBJ-M

16MnCr5

Soft pie jaws

- Metric serration
1.5 x 60°



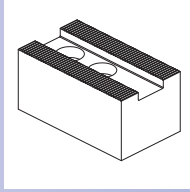
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SBJ-MA

Light version
Aluminium F50

Soft pie jaws aluminium

- Metric serration
1.5 x 60°



Page 50

WBSA-M

C45 (flame hardenable)

Soft top jaws

- Metric serration
1.5 x 60°

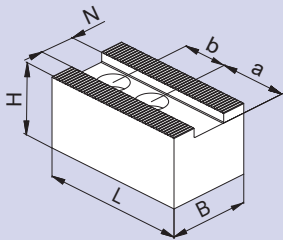
Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

MAB-M



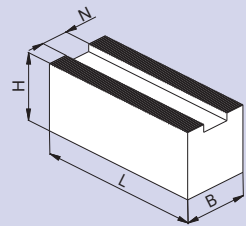
Soft top jaw-blanks
without holes and with holes drilled

- Metric serration, 1.5 x 60°
- Material: 16MnCr5 , Serration ground

Type	Id. No. without holes	Id. No. with holes*	B	H	L	N	Serration	a + b	ISO 4762	kg/piece without holes
MAB-M 1001	091320	091321	25	50	60	10	1.5 x 60°	*	M8	0.57
MAB-M 1201	091322	091323	35	60	80	12	1.5 x 60°	*	M10	1.28
MAB-M 1401	091324	091325	40	60	95	14	1.5 x 60°	*	M12	1.72
MAB-M 1601	091326	091327	40	80	110	16	1.5 x 60°	*	M12	2.68
MAB-M 2101	091330	091331	50	120	130	21	1.5 x 60°	*	M16	5.99

* Indicate dimensions a+b when ordering the version with holes drilled

MAB-ML



Soft top jaw-blanks
long, without holes drilled

- Metric serration, 1.5 x 60°
- Material: 16MnCr5 , Serration ground

Type	Id. No. without holes	B	H	L	N	Serration	kg/ piece
MAB-ML 1201	233340	35	60	420	12	1.5 x 60°	6.69
MAB-ML 1401	236498	40	80	420	14	1.5 x 60°	10.26
MAB-ML 1402	236500	60	60	420	14	1.5 x 60°	11.55
MAB-ML 1601	231039	40	80	420	16	1.5 x 60°	10.23
MAB-ML 1602	236499	60	60	420	16	1.5 x 60°	11.52
MAB-ML 2101	233344	50	80	420	21	1.5 x 60°	12.77
MAB-ML 2102	233383	60	120	420	21	1.5 x 60°	23.30

Other dimensions or serrations on request.
Please use the data sheet on page 51 for ordering.

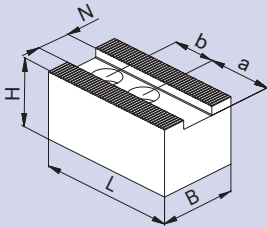
Notes

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SMW-AUTOBLOK
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WBJ/WBSA-M Soft top jaws for SMW-AUTOBLOK power chucks



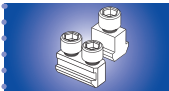
- Metric serration 1.5 x 60° or 3 x 60°
- Material: 16MnCr5/ C45
- Serration ground

Type	Id. No.	B	H	L	N	Serration	a + b for ISO 4762	kg	SMW-AUTOBLOK
WBJ-M 1001	081682*	25	25	55	10	1.5 x 60°	32 + 14 M8	0.60*	
WBJ-M 1002	081683*	30	40	55				1.22*	
WBSA-M 165 ²	12071621**	30	35	70	12	1.5 x 60°	34 + 20 M10	1.26**	HFKN-M 165
WBJ-M 1201	081688*	30	40	72			37 + 20 M10	1.55*	AN/AL/BH-M 165
WBJ-M 1202	081689*	35	50	72				2.36*	BHM-FC 165
									RC-M 165
									AP/NT-M 170
									BB-M 175
									HB/PB/PBI-M 165
WBSA-M 210 ²	12072121**	35	40	90	14	1.5 x 60°	45 + 25 M12	2.21**	HFKN-M 210
WBJ-M 1401	081690*	35	50	90				2.96*	AN/AL/BH 210
WBJ-M 1402	081691*	40	40	90				2.77*	BB-M 210
WBJ-M 1403	081692*	40	60	90				4.17*	BHM-FC 210
WBJ-M 1404	081693*	40	80	90				5.57*	RC-M 210
WBJ-M 1405	081694*	40	100	90				6.97*	AP/APL/NT-M 215
WBJ-M 1601	081696*	40	40	85	16	1.5 x 60°	40 + 25 M12	2.57*	HB/PB/PBI-M 210
WBJ-M 1602	081697*	40	40	110			45 + 25 M12	3.46*	
WBJ-M 1603	081698*	40	60	110				5.23*	
WBJ-M 1604	081699*	40	80	90				5.55*	
WBSA-M 250 ²	12072621**	45	45	110	16	1.5 x 60°	60 + 30 M12	4.19**	HFKN-M 260
WBJ-M 1611	081700*	40	40	110			50 + 30 M12	3.46*	AN/AL/BH-M 250
WBJ-M 1612	081701*	40	60	110				5.23*	BB-M 250
WBJ-M 1613	081702*	50	80	90			45 + 30 M12	7.24*	BHM-FC 250
WBJ-M 1614	081703*	50	100	90				9.06*	RC-M 250
									AP/APL/NT-M 260
									HB/PB/PBI-M 250
WBJ-M 1802	081706*	50	50	120	18	1.5 x 60°	60 + 30 M14	5.98*	
WBJ-M 1803	081707*	50	80	130				10.49*	
WBJ-M 1805	081709*	50	120	130			70 + 30 M14	15.77*	
WBSA-M 315 ¹	12073001**	50	50	125	21	1.5 x 60°	22+30+30 M16	5.54**	HFKN-M 315
WBJ-M 2111	081712*	60	80	126			72 + 30 M16	12.15*	BHM-FC 315
WBJ-M 2112	236505*	50	60	129			60 + 30 M16	7.52*	AN/AL/BH-M 315
									BB-M 315
									RC-M 305
									AP/APL/NT-M 315
									HB/PB/PBI-M 315
WBJ-M 2201	081714*	60	80	156	22	1.5 x 60°	87 + 43 M20	14.39*	
WBJ-M 2501	530711*	80	80	195	25	3 x 60°	85 + 60 M20	25.70*	

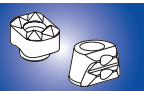
* Jaws / Set
** Jaw / Piece
¹ Material: C45
² Material: C45 and jaws pointed



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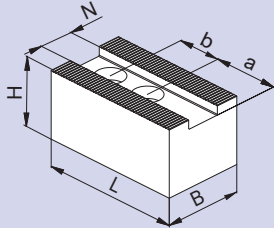
SMW-AUTOBLOK
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Howa	Samchully	Kitagawa	Schunk
HO1MA4 HO24M5	HC 04 HCL 04 HCT 04 HC 05 • HS 05	AS 110 B-204/-205 N-04 NJ-04 • NL-04	
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160/-206 BB-06/-206 • BL-206 B-07 • HJA 5-6 HOB-6 • HO-6 HOH-06/-106 HOH-160/-206 HOS 6 • N-06/-160 NL-06	HSL 165 ROTA NC plus 185 ROTA NCF plus 185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC/NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 BL-208 • HJA 6-8 HO 8 • HOB 8 HOH-8/-108/-200/-208 HOS 8 • N-08/-200 NL-08	HSL 210 ROTA NC/ NCD 210 ROTA NCK/NCF 210 ROTA NCK plus 210 ROTA NC plus 210
HO7MA10 H15MA10 H23MA10 HO22MA8 HO24MA8 HO27MA8 HO73MA8 HO47MA8			
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS250 B-10/-110/-210 B-210X/-250 BB-10/-210 BL-210 HJA 6-10/8-10 HO-10 • HOB-10 HOH-10/-110/-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC/NCD 250 ROTA NCF/NCK 250 ROTA NCK plus 250 ROTA NC plus 260 ROTA NCF plus 260
HO7MA12 HO15M12 H23M12 HO22M10 HO24M10 HO27M10 HO37M10 HO47M10	HC 12 HCH 12 HCL 12	B-12/-300 HJA 6-12/8-12 HLA 6-15/8-15 HO-12 • HOB-12 HOH-12/300 HOS-12 N-12/-300 NL-12	HSL 315 ROTA NC/NCF 315
	MH 212 HS 12 HSF 12 HSL 12	B-212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCK plus 315 ROTA NCF plus 315
	HC 15 HCH 15 HC 18 HCH 18 HC 21 • HCH 21 MH 221 HC24 • HCH 24 MH 224	B-15/-18 B-380/-450 HOH-15 • HOH-15K HOH-380 B-21/24 HJ-18/21/24 HOB-21/24 N-21/24	HSL 400 ROTA NC/NCF 400

WBJ-MA

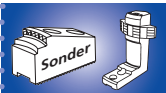


Soft top jaws aluminium
light version

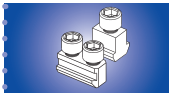
- Metric serration 1.5 x 60°
- Material: Aluminium (tensile strength = 500 N/mm²)

Type	Id. No.	B	H	L	N	Serration	a + b for ISO 4762	kg/ Set	SMW-AUTOBLOK
WBJ-MA 120	036017	35	50	72	12	1.5 x 60°	37 + 20 M10	0.84	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165 RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
WBJ-MA 140	081728	40	60	90	14	1.5 x 60°	45 + 25 M12	1.49	HFKN-M 210 AN/AL/BH-M 210 BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
WBJ-MA 165	081730	40	60	110	16	1.5 x 60°	55 + 30 M12	1.88	HFKN-M 260 AN/AL/BH-M 250 BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
WBJ-MA 180	081731	50	80	130	18	1.5 x 60°	60 + 30 M14	3.76	
WBJ-MA 210	039511	50	80	130	21	1.5 x 60°	60 + 30 M16	3.63	HFKN-M 315 BHM-FC 315 AN/AL/BH-M 315 BB-M 315 RC-M 305 AP/APL/NT-M 315 HB/PB/PBI-M 315

Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160/-206 BB-06/-206 BL-206 • B-07 HJA 5-6 • HOB-6 HO-6 • HOS-6 HOH-06/-106 HOH-160/-206 N-06/-160 • NL-06	HSL 165 ROTA NC plus 185 ROTA NCF plus 185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC 165 ROTA NCF 165
HO7MA8 HO15M8 HO23M8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 BL-208 • HJA 6-8 HO 8 • HOB 8 HOH-8/-108 HOH-200/-208 HOS 8 N-08/-200 • NL-08	HSL 210 ROTA NC 210 ROTA NCK 210 ROTA NC 210 ROTA NCF 210 ROTA NCK plus 210 ROTA NC plus 215 ROTA NCF plus 215
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS250 B-10/-110/-210 B-210X/-250 BB-10/-210 BL-210 HJA 6-10/8-10 HO-10 • HOB-10 HOH-10/-110 HOH-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250 ROTA NC plus 260 ROTA NCF plus 260
HO7MA12 HO15M12 H23M12 H022M10 H024M10 H027M10 H037M10 H047M10	HC 12 HCH 12 HCL 12	B-12 • B-300 N-12 • N-300 HO-12 • HOH 300 HOB/HOS/HOH-12 HJA6-12/8-12 HLA 6-12/5-18/8-15 N 12 • N 300	HSL 315 ROTA NC 315 ROTA NCF 315
	MH 212 HS 12 HSF 12 HSL 12	B-212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCK plus 315 ROTA NCF plus 315



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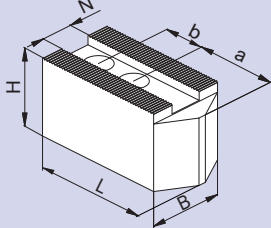


SMW-AUTOBLOK
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SMW-AUTOBLOK
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AWB-M



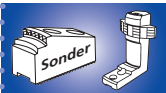
Soft top jaws
long, pointed version

- Metric serration 1.5 x 60° or 3 x 60°
- Material 16MnCr5, Serration ground

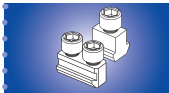
Type	Id. No.	B	H	L	N	Serration	a + b for ISO 4762	kg/ Set	SMW-AUTOBLOK
AWB-M 1201	081719	32	32	82	12	1.5 x 60°	47 + 20 M10	1.49	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165 RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
AWB-M 1401	081720	35	40	102	14	1.5 x 60°	57 + 25 M12	2.60	HFKN-M 210 AN/AL/BH-M 210 BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
AWB-M 1611	081722	40	42	125	16	1.5 x 60°	65 + 30 M12	4.00	HFKN-M 260 AN/AL/BH-M 250 BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
AWB-M 1802	081723	50	50	145	18	1.5 x 60°	85 + 30 M14	7.01	
AWB-M 2101	236517	50	50	145	21	1.5 x 60°	85 + 30 M16	6.83	HFKN-M 315 BHM-FC 315 AN/AL/BH-M 315 BB-M 315 RC-M 305 AP/APL/NT-M 315 HB/PB/PBI-M 315
AWB-M 400*	036791	60	60	140	25.5	3 x 60°	80 + 35 M20	9.42	HFKN-M 400 HFKN-M 500

* Not pointed

Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160/-206 BB-06/-206 BL-206 • B-07 HJA 5-6 HOB-6 • HO-6 HOH-06/-106 HOH-160/-206 HOS 6 N-06/-160 • NL-06	HSL 165 ROTA NC plus 185 ROTA NCF plus 185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC/NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 BL-208 • HJA 6-8 HO 8 • HOB 8 HOH-8/-108 HOH-200/-208 HOS 8 N-08/-200 • NL-08	HSL 210 ROTA NCD 210 ROTA NCK 210 ROTA NCK plus 210 ROTA NC plus 215 ROTA NCF plus 215
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS250 B-10/-110/-210 B-210X/-250 BB-10/-210 • BL-210 HJA 6-10/ 8-10 HO-10 • HOB-10 HOH-10/-110 HOH-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC/NCD 250 ROTA NCF/NCK 250 ROTA NCK plus 250 ROTA NC plus 260 ROTA NCF plus 260
HO7MA12 HO15M12 H23M12 HO22M10 HO24M10 HO27M10 HO37M10 HO47M10	HC 12 HCH 12 HCL 12	B-12/-300 HJA 6-12/8-12 HLA 6-15/8-15 HO-12 • HOB-12 HOH-12/300 HOS-12 N-12/-300 • NL-12	HSL 315 ROTA NC/NCF 315
	MH 212 HS 12 HSF 12 HSL 12	B-212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCKplus 315 ROTA NCF plus 315



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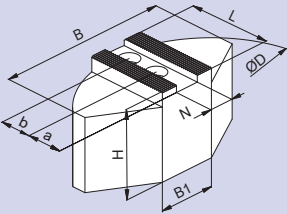


SMW-AUTOBLOK
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SMW-AUTOBLOK
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SBJ-M

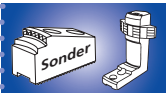


Soft pie jaws

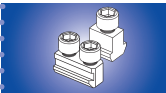
- Metric serration 1.5 x 60°
- Material: 16MnCr5, Serration ground

Type	Id. No.	B	B ₁	H	L	D	N	Serration	a + b for ISO 4762	kg/ Set	SMW-AUTOBLOK
SBJ-M 160	036016	120	50	50	60	160	12	1.5 x 60°	25 + 20 M10	5.15	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165 RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
SBJ-M 200	081724	140	70	60	70	200	14	1.5 x 60°	30 + 25 M12	9.02	HFKN-M 210 AN/AL/BH-M 210 BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
SBJ-M 250	081726	180	100	60	80	250	16	1.5 x 60°	30 + 30 M12	12.24	HFKN-M 260 AN/AL/BH-M 250 BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
SBJ-M 315	231104	240	120	70	110	300	21	1.5 x 60°	45 + 30 M16	26.03	HFKN-M 315 BHM-FC 315 AN/AL/BH-M 315 BB-M 315 RC-M 305 AP/APL/NT-M 315 HB/PB/PBI-M 315

Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160-206 BB-06/-206 BL-206 • B-07 HJA 5-6 HOB-6 • HO-6 HOH-06/-106 HOH-160/-206 HOS 6 N-06/-160 • NL-06	HSL 165 ROTA NC plus185 ROTA NCF plus185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC/NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 BL-208 HJA 6-8 HO 8 • HOB 8 HOH-8/-108/-200 HOH-208 • HOS 8 N-08/-200 • NL-08	HSL 210 ROTA NCD 210 ROTA NCK 210 ROTA NC 210 ROTA NCF 210 ROTA NCK plus 210 ROTA NC 215 ROTA NCF plus 215
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS250 B-10/-110/-210 B-210X/-250 BB-10/-210 BL-210 HJA 6-10/8-10 HO-10 • HOB-10 HOH-10/-110 HOH-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC/NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250 ROTA NC 260 ROTA NCF plus 260
	MH 212 HS 12 HSF 12 HSL 12	B-212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCK plus 315 ROTA NCF plus 315



SMW-AUTOBLOK
51, 62, 184, 186

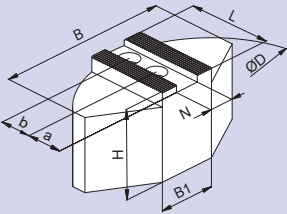


SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

SBJ-MA

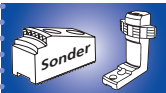


Soft pie jaws aluminium
light version

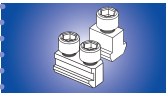
- Metric serration 1.5 x 60°
- Material: Aluminium (tensile strength = 500 N/mm²)

Type	Id. No.	B	B ₁	H	L	D	N	Serration	a + b for ISO 4762	kg/ Set	SMW-AUTOBLOK
SBJ-MA 160	036018	120	40	58	59.5	165	12	1.5 x 60°	25 + 20 M10	2.06	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165 RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
SBJ-MA200	081732	140	50	58	72.5	200	14	1.5 x 60°	35 + 25 M12	3.04	HFKN-M 210 AN/AL/BH-M 210 BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
SBJ-MA250	081734	180	70	58	87.5	250	16	1.5 x 60°	40 + 30 M12	4.42	HFKN-M 260 AN/AL/BH-M 250 BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
SBJ-MA 315	236520	240	80	78	117	320	21	1.5 x 60°	45 + 30 M16	10.85	HFKN-M 315 BHM-FC 315 AN/AL/BH-M 315 BB-M 315 RC-M 305 AP/APL/NT-M 315 HB/PB/PBI-M 315

Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160/-206 BB-06/-206 BL-206 • B-07 HJA 5-6 HOB-6 • HO-6 HOH-06/-106 HOH-160/-206 HOS 6 N-06/-160 • NL-06	HSL 165 ROTA NC 185 ROTA NCF plus 185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC 165 ROTA NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 BL-208 HJA 6-8 HO 8 • HOB 8 HOH-8/-108 HOH-200/-208 HOS 8 N-08/-200 • NL-08	HSL 210 ROTA NCD 210 ROTA NCK 210 ROTA NC 210 ROTA NCF 210 ROTA NCK plus 210 ROTA NC 215 ROTA NCF plus 215
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS250 B-10/-110/-210 B-210X/-250 BB-10/-210 BL-210 HJA 6-10/8-10 HO-10 • HOB-10 HOH-10/-110 HOH-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC/NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250 ROTA NC 260 ROTA NCF plus 260
	MH 212 HS 12 HSF 12 HSL 12	B-212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCK plus 315 ROTA NCF plus 315



SMW-AUTOBLOK
51, 62, 184, 186



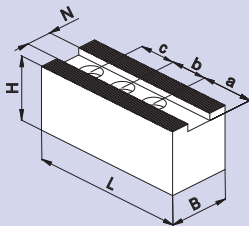
SMW-AUTOBLOK
63



SMW-AUTOBLOK
74

WBSA-M

Soft top jaws



- Metric serration 1.5 x 60°
- Material: C45

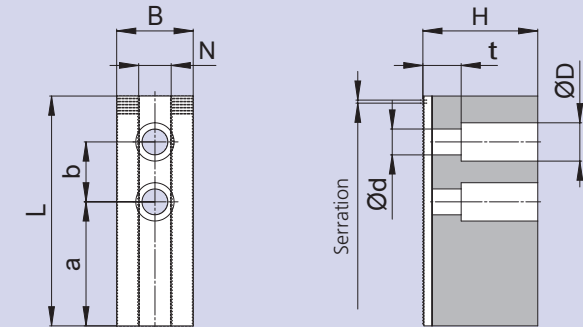
Type	Id. No.	B	H	L	N	Serration	a + b + c f. ISO 4762	kg/ piece	SMW-AUTOBLOK
WBSA-M 125*	12071301	30	30	60	12	1.5 x 60°	29 + 16 M8	0.32	AN-/AL-M 125 BH-M 130 BB-M 140 HB/PB-M130
WBSA-M 165*	12071621	30	35	70	12	1.5 x 60°	34 + 20 M10	0.42	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165 RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
WBSA-M 210*	12072121	35	40	90	14	1.5 x 60°	45 + 20 M12	0.74	HFKN-M 210 AN/AL/BH/BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
WBSA-M 250*	12072621	45	45	110	16	1.5 x 60°	60 + 30 M12	1.40	HFKN-M 260 AN/AL/BH/BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
WBSA-M 315	12073001	50	50	125	21	1.5 x 60°	22 + 30 + 30 M16	1.85	HFKN-M 315 BHM-FC 315 AN/AL/BH/BB-M 315 RC-M 305 AP/APL/NT-M 315 HB/PB/PBI-M 315
WBSA-M 400	12074031	60	60	140	21	1.5 x 60°	25 + 34 + 34 M16	3.21	RC-M 400 GH-M 400
WBSA-M 401	12074021	60	60	140	22	1.5 x 60°	75 + 38 M20	3.20	AP/AP-L/NT-M 400 AN/AL-M 400 BH-M 400/450 BHM-FC 400

* Jaws pointed

Soft special jaws
to customer request

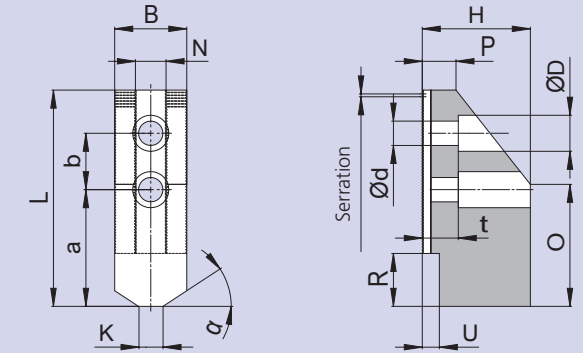
- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Soft top jaw-blanks



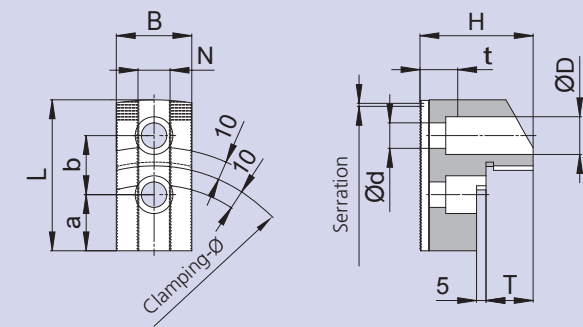
Dimensions					
a		mm	H		mm
b		mm	L		mm
B		mm	N		mm
d		mm	t		mm
D		mm			
Jaw serration (please mark)					
		1/16" x 90°			1.5 x 60°
		3/32" x 90°			3 x 60°
Material					
Quantity in pieces					
Chuck manufacturer					
Chuck type + size					

Soft top jaw-blanks
weight reduced



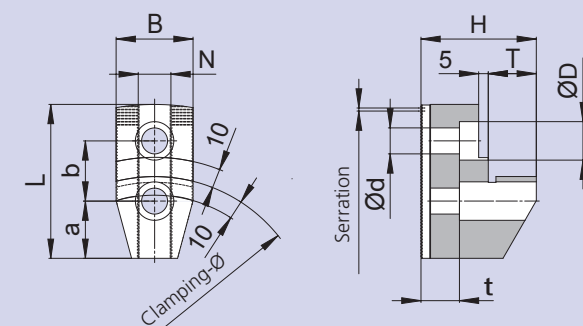
Dimensions					
a		mm	K		mm
b		mm	O		mm
B		mm	P		mm
d		mm	R		mm
D		mm	t		mm
H		mm	U		mm
L		mm	α		Grad
N		mm			
Jaw serration (please mark)					
	1/16" x 90°			1.5 x 60°	
	3/32" x 90°			3 x 60°	
Material					
Quantity in pieces					
Chuck manufacturer					
Chuck type + size					

Soft top jaws for OD clamping



Dimensions					
a		mm	L		mm
b		mm	N		mm
B		mm	t		mm
d		mm	T		mm
D		mm	Clamping-Ø		mm
H		mm	Workpiece-Ø		mm
Jaw serration (please mark)					
	1/16" x 90°			1.5 x 60°	
	3/32" x 90°			3 x 60°	
Material					
Quantity in pieces					
Chuck manufacturer					
Chuck type + size					

Soft top jaws for ID clamping



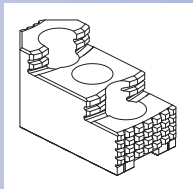
Dimensions					
a		mm	L		mm
b		mm	N		mm
B		mm	t		mm
d		mm	T		mm
D		mm	Clamping-Ø		mm
H		mm	Workpiece-Ø		mm
Jaw serration (please mark)					
	1/16" x 90°			1.5 x 60°	
	3/32" x 90°			3 x 60°	
Material					
Quantity in pieces					
Chuck manufacturer					
Chuck type + size					



SMW-AUTOBLOK 51, 62, 184, 186
SMW-AUTOBLOK 63
SMW-AUTOBLOK 74

Hard top jaws – Metric serration

SMW-AUTOBLOK | Howa | Samchully | Kitagawa | Schunk



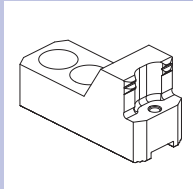
MHB-M

Reversible

Hard top jaws

- Metric serration
1.5 x 60° or 3 x 60°

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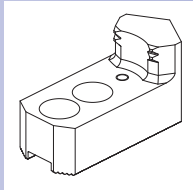
SGA-M

For external clamping

Hard roughing jaws

- Metric serration
1.5 x 60°

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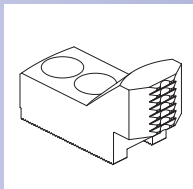
SGI-M

For internal clamping

Hard roughing jaws

- Metric serration
1.5 x 60°

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GSG-M

Hard bar roughing jaws

- Metric serration
1.5 x 60°

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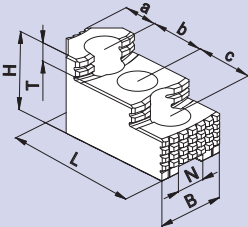
Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

MHB-M



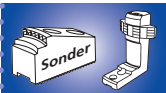
Hard, reversible top jaws

- Metric serration 1.5 x 60° or 3 x 60°
- Serration ground

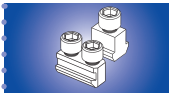
Type	Id. No.	B	H	L	T	N	Serration	a + b + c for ISO 4762	kg/ Set	SMW-AUTOBLOK
MHB-M 120	081032	35	44	80	10	12	1.5 x 60°	24 + 20 + 20 M10	1.6	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165
MHB-M 121	12081627	34	39	67.3	10	12	1.5 x 60°	14 + 20 + 20 M10	0.93	RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
MHB-M 122	12081307	30	34	58	9	12	1.5 x 60°	13 + 16 + 16 M8	0.6	AN/AL-M 125 BH -M 130 BB-M 140 HB/PB-M 130
MHB-M 140	12082127	40	45	86	10.5	14	1.5 x 60°	19 + 25 + 25 M12	1.8	HFKN-M 210 AN/AL/BH-M 210 BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
MHB-M 160 ¹	081045	40	42	83	15	16	1.5 x 60°	17 + 25 + 25 M12	1.5	
MHB-M 161	12082627	45	56	100.1	13.5	16	1.5 x 60°	23 + 30 + 30 M12	2.55	HFKN-M 260 AN/AL/BH-M 250 BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
MHB-M 180	081038	50	60	109.2	15	18	1.5 x 60°	23.5 + 30 + 30 M14	5.1	
MHB-M 211	12083037	45	56	105	13.5	21	1.5 x 60°	26 + 30 + 30 M16	2.85	HFKN-M 315 BHM-FC 315 AN/AL/BH-M 315 BB-M 315 RC-M 305 AP/APL/NT-M 315 HB/PB/PBI-M 315
MHB-M 400	12084007	55	73	120	22	21	1.5 x 60°	30 + 34 + 34 M16	5.1	GH-M 400 RC-M 400
MHB-M 401	12084527	60	75	140	19	22	1.5 x 60°	38 + 38 M20	7.5	AP/AP-L/NT-M 400 AN/AL-M 400 BH-M 400/450 BHM-FC 400
MHB-M 402	231032	60	86	143	20	22	1.5 x 60°	33 + 43 + 43 M20	9	
MHB-M 500 ¹	037126	55	73	145	32	25.5	3 x 60°	46 + 38 + 38 M20	6.7	HFKN-M 400 HKFN-M 500

¹ 1 step only

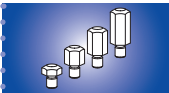
Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160/-206 BB-06/-206 BL-206 • B-07 HJA 5-6 HOB-6 • HO-6 HOH-06/-106/-160/-206 HOS 6 N-06/-160 • NL-06	HSL 165 ROTA NC plus 185 ROTA NCF plus 185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC 165 ROTA NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 • HS 08 HSF 08 • HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 • BL-208 HJA 6-8 • HO 8 HOB 8 HOH-8/-108/-200/-208 HOS 8 • N-08/-200 NL-08	HSL 210 ROTA NCD 210 ROTA NCK 210 ROTA NC 210 ROTA NCF 210 ROTA NCK plus 210 ROTA NC 215 ROTA NCF plus 215
HO7MA10 H15MA10 H23MA10 HO22MA8 HO24MA8 HO27MA8 HO73MA8 HO47MA8			
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS 250 B-10/-110/-210 B-210X/-250 BB-10/-210 • BL-210 HJA 6-10/8-10 HO-10 • HOB-10 HOH-10/-110/-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250 ROTA NC 260 ROTA NCF plus 260
HO7MA12 HO15M12 H23M12 HO22M10 HO24M10 HO27M10 HO37M10 HO47M10	HC 12 HCH 12 HCL 12	B-12/-300 HJA 6-12/8-12 HLA 6-15/8-15 HO-12 • HOB-12 HOH-12/300 HOS-12 N-12/-300 NL-12	HSL 315 ROTA NC 315 ROTA NCF 315
	MH 212 HS 12 HSF 12 HSL 12	B 212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCF plus 315
	HC 15 HCH 15 HC 18 • HCH 18	B15/18 • B-350/450 HOH 15 • HOH 15K HOH 380	HSL 400 ROTA NC 400 ROTA NCF 400



SMW-AUTOBLOK
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SMW-AUTOBLOK
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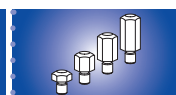


SMW-AUTOBLOK
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A 3D perspective view of a mechanical part. The part has a main rectangular body with a sloped top surface. A vertical flange is attached to the right side. Dimensions are labeled: H is the total height, b is the width of the sloped top surface, T is the thickness of the vertical flange, G is the width of the main body, N is the width of the base, and B is the total width of the base.

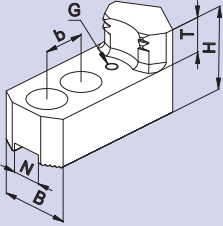
- Metric serration 1.5 x 60°
- Serration ground

Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS 165 B-06/-106/-160/-206 BB-06/-206 • BL-206 B-07 • HJA 5-6 HOB-6 • HO-6 HOH-06/-106 HOH-160/-206 HOS 6 N-06/-160 • NL-06	HSL 165 ROTA NC plus 185 ROTA NCF plus 185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC 165 ROTA NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 • HSF 08 HSL 08 • MHT 208	AS 210 B-08/-108/-200/-208 BB-08/-208 • BL-208 HJA 6-8 • HO 8 HOB 8 • HOS 8 HOH-8/-108/-200/-208 N-08/-200 NL-08	HSL 210 ROTA NCD 210 ROTA NCK 210 ROTA NC 210 ROTA NCF 210 ROTA NCK plus 210 ROTA NC plus 215 ROTA NCF plus 215
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS 250 B-10/-110/-210/-210X/-250 BB-10/-210 • BL-210 HJA 6-10/8-10 HO-10 • HOB-10 HOH-10/-110/-210 HOH-250 • HOS-10 N-10/-250 NL-10	HSL 250 ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250 ROTA NC plus 260 ROTA NCF plus 260
	MH 212 HS 12 HSF 12 HSL 12	B 212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCK plus 315 ROTA NCF plus 315
	HC 15 HCH 15 HC 18 HCH 18	B-15/-18 B-380/-450 HOH-15 HOH-15K HOH-380	HSL 400 ROTA NC 400 ROTA NCF 400



- SMW-AUTOBLOK
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SGI-M



Hard roughing jaws
for internal clamping

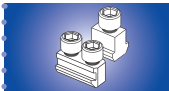
- Metric serration 1.5 x 60°
- Serration ground

Type	Id. No.	Clamping range Ø	B	H	T	G	N	Serration	b	kg/ Set	SMW-AUTOBLOK
SGI-M 070	081198	70-95	35	50	25	M6	14	1.5 x 60°	25	1.70	HFKN-M 210
SGI-M 080	081199	95-120									AN/AL/BH-M 210
SGI-M 090	081200	120-145									BB-M 210
SGI-M 100	081201	145-170									BHM-FC 210
											RC-M 210
											AP/APL/NT-M 215
											HB/PB/PBI-M 210
SGI-M 210	081212	80-120	40	55	25	M8	16	1.5 x 60°	30	2.40	HFKN-M 260
SGI-M 220	081213	120-170									AN/AL/BH-M 250
SGI-M 230	081214	170-220									BB-M 250
											BHM-FC 250
											RC-M 250
											AP/APL/NT-M 260
											HB/PB/PBI-M 250
SGI-M 331	081220	80-140	50	60	25	M8	21	1.5 x 60°	30	4.11	HFKN-M 315
SGI-M 341	081221	140-200									BHM-FC 315
SGI-M 351	081222	200-260									AN/AL/BH-M 315
SGI-M 361	081223	260-310									BB-M 315
											RC-M 305
											AP/APL/NT-M 315
											HB/PB/PBI-M 315
SGI-M 331	081220	158-226	50	60	25	M8	21	1.5 x 60°	30	4.11	GH-M 400
SGI-M 341	081221	218-286									RC-M 400
SGI-M 351	081222	278-346									
SGI-M 361	081223	338-396									

Howa	Samchully	Kitagawa	Schunk
HO7MA8	HC 08	AS210	HSL 210
HO15MA8	HCH 08	B-08/-108/-200/-208	ROTA NCD 210
HO23MA8	HCL 08	BB-08/-208	ROTA NCK 210
	HCLT 08	BL-208 • HJA 6-8	ROTA NC 210
	HCT 08	HO 8 • HOB 8	ROTA NCF 210
	MH 208	HOH-8/-108	ROTA NCK plus 210
	HS 08	HOH-200/-208	ROTA NC plus 215
	HSF 08	HOS 8 • N-08/-200	ROTA NCF plus 215
	HSL 08	NL-08	
	MHT 208		
	HC 10	AS250	HSL 250
	HCH 10	B-10/-110/-210	ROTA-NCK 250
	HCL 10	B-210X/-250	ROTA NC 250
	HCLT 10	BB-10/-210	ROTA NCD 250
	HCT 10	BL-210	ROTA NCF 250
	MH 210	HJA 6-10/8-10	ROTA NCK 250
	HS 10	HO-10 • HOB-10	ROTA NCK plus 250
	HSF 10	HOH-10/-110	ROTA NC plus 260
	HSL 10	HOH-210/-250	ROTA NCF plus 260
		HOS-10 • N-10/-250	
		NL-10	
	MH 212	B 212	HSL 315
	HS 12	BB-212	ROTA NCD 315
	HSF 12	BL-212	ROTA NCK 315
	HSL 12		ROTA NC plus 315
			ROTA NCK plus 315
			ROTA NCF plus 315
	HC 21 • HCH 21		
	MH 221		
	HC24 • HCH 24		
	MH 224		



SMW-AUTOBLOK
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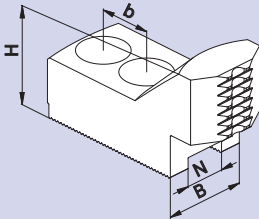


SMW-AUTOBLOK
63



SMW-AUTOBLOK
187

GSG-M

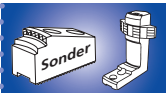


Hard bar roughing jaws

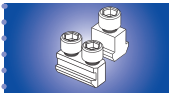
- Metric serration 1.5 x 60°
- Serration ground

Type	Id. No.	Clamping range Ø	B	H	N	Serration	b for ISO 4762	kg/ Set	SMW-AUTOBLOK
GSG-M 120	091347	15-30	30	40	12	1.5 x 60°	20 M10	1.04	HFKN-M 165 AN/AL/BH-M 165 BHM-FC 165 RC-M 165 AP/NT-M 170 BB-M 175 HB/PB/PBI-M 165
GSG-M 140	091348	20-50	35	45	14	1.5 x 60°	25 M12	1.73	HFKN-M 210 AN/AL/BH-M 210 BB-M 210 BHM-FC 210 RC-M 210 AP/APL/NT-M 215 HB/PB/PBI-M 210
GSG-M 160	091349	20-60	40	50	16	1.5 x 60°	30 M12	2.60	HFKN-M 260 AN/AL/BH-M 250 BB-M 250 BHM-FC 250 RC-M 250 AP/APL/NT-M 260 HB/PB/PBI-M 250
GSG-M 180	091350	30-80	50	50	18	1.5 x 60°	30 M14	3.84	
GSG-M 210	091351	30-80	50	50	21	1.5 x 60°	30 M16	3.92	AN/AL-M 315 BH/BB-M 315 PB/PBI/HB-M 315 HFKN-M 315 AP/NT-M 315

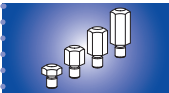
Howa	Samchully	Kitagawa	Schunk
HO7MA6 HO15M6 HO22M6 HO24M6 HO27M6 HO37M6 HO47M6	HC 06 HCH 06 HCL 06 HCLT 06 HCT 06 MH 206 HS 06 HSL 06 MHT 206	AS165 B-06/-106/-160/-206 BB-06/-206 BL-206 • B-07 HJA 5-6 HOB-6 • HO-6 HOH-06/-106/-160/-206 HOS 6 N-06/-160 • NL-06	HSL 165 ROTA NC plus 185 ROTA NCF plus 185 ROTA NCD 165-185 ROTA NCK 165 ROTA NCK plus 165 ROTA NC 165 ROTA NCF 165
HO7MA8 HO15MA8 HO23MA8	HC 08 HCH 08 HCL 08 HCLT 08 HCT 08 MH 208 HS 08 HSF 08 HSL 08 MHT 208	AS210 B-08/-108/-200/-208 BB-08/-208 BL-208 • HJA 6-8 HO 8 • HOB 8 HOH-8/-108/-200/-208 HOS 8 N-08/-200 NL-08	HSL 210 ROTA NCD 210 ROTA NCK 210 ROTA NC 210 ROTA NCF 210 ROTA NCK plus 210 ROTA NC plus 215 ROTA NCF plus 215
	HC 10 HCH 10 HCL 10 HCLT 10 HCT 10 MH 210 HS 10 HSF 10 HSL 10	AS250 B-10/-110/-210/-210X/-250 BB-10/-210 BL-210 HJA 6-10/8-10 HO-10 HOB-10 HOH-10/-110/-210/-250 HOS-10 N-10/-250 • NL-10	HSL 250 ROTA NC 250 ROTA NCD 250 ROTA NCF 250 ROTA NCK 250 ROTA NCK plus 250 ROTA NC plus 260 ROTA NCF plus 260
HO7MA12 HO15M12 H23M12 HO22M10 HO24M10 HO27M10 HO37M10 HO47M10	HC 12 HCH 12 HCL 12	B-12/-300 HJA 6-12/8-12 HLA 6-15/8-15 HO-12 • HOB-12 HOH-12/300 HOS-12 N-12/-300 NL-12	HSL 315 ROTA NC 315 ROTA NCF 315
	MH 212 HS 12 HSF 12 HSL 12	B-212 BB-212 BL-212	HSL 315 ROTA NCD 315 ROTA NCK 315 ROTA NC plus 315 ROTA NCK plus 315 ROTA NCF plus 315



SMW-AUTOBLOK
62, 184, 186



SMW-AUTOBLOK
63

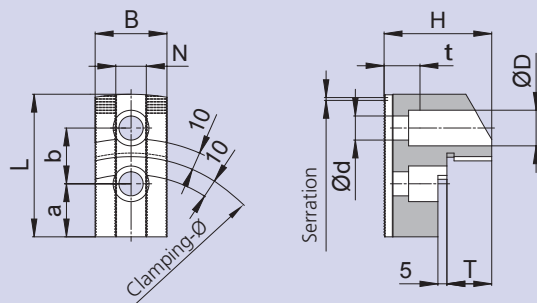


SMW-AUTOBLOK
187

Hard special jaws to customer request

- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Hard top jaw for external clamping with smooth clamping surface



Dimensions

a	mm	L	mm
b	mm	N	mm
B	mm	t	mm
d	mm	T	mm
D	mm	Clamping-Ø	mm
H	mm	Workpiece-Ø	mm

Jaw serration (please mark)

1/16" x 90°	1.5 x 60°
3/32" x 90°	3 x 60°

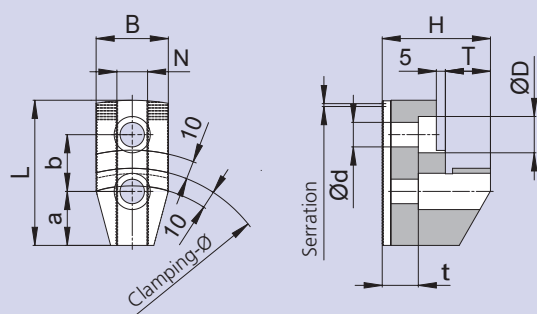
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaw for internal clamping with smooth clamping surface



Dimensions

a	mm	L	mm
b	mm	N	mm
B	mm	t	mm
d	mm	T	mm
D	mm	Clamping-Ø	mm
H	mm	Workpiece-Ø	mm

Jaw serration (please mark)

1/16" x 90°	1.5 x 60°
3/32" x 90°	3 x 60°

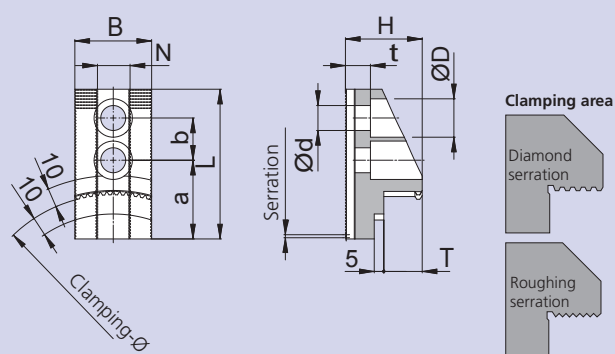
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaw for external clamping with serrated clamping surface



Dimensions

a	mm	L	mm
b	mm	N	mm
B	mm	t	mm
d	mm	T	mm
D	mm	Clamping-Ø	mm
H	mm	Workpiece-Ø	mm

Jaw serration (please mark)

1/16" x 90°	1.5 x 60°
3/32" x 90°	3 x 60°

Clamping area (please mark)

Diamond serration

Roughing serration

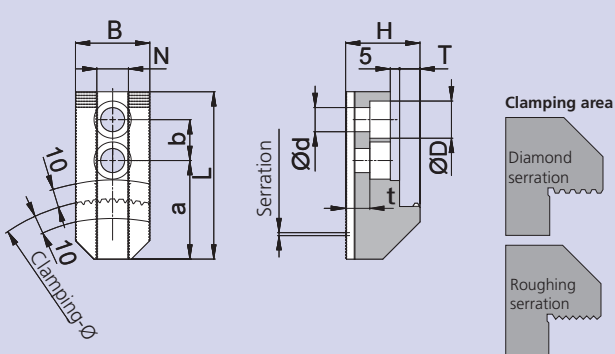
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaw for internal clamping with serrated clamping surface



Dimensions

a	mm	L	mm
b	mm	N	mm
B	mm	t	mm
d	mm	T	mm
D	mm	Clamping-Ø	mm
H	mm	Workpiece-Ø	mm

Jaw serration (please mark)

1/16" x 90°	1.5 x 60°
3/32" x 90°	3 x 60°

Clamping area (please mark)

Diamond serration

Roughing serration

Material

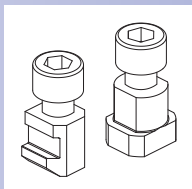
Quantity in pieces

Chuck manufacturer

Chuck type + size

T-nuts | Grippers

SMW-AUTOBLOK | Forkardt | Howa | Samchully | Kitagawa | Röhme | Schunk



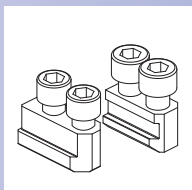
Page 64

NST

Quenched and ground

T-nuts

- For chucks with INCH SERRATION
1/16" x 90° or 3/32" x 90°



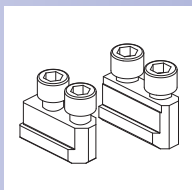
Page 68

NSTE

Quenched and ground

Double T-nuts

- For chucks with INCH SERRATION
1/16" x 90° or 3/32" x 90°



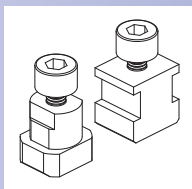
Page 70

NSTE-M

Quenched and ground

Double T-nuts

- For chucks with METRIC SERRATION
1.5 x 60°



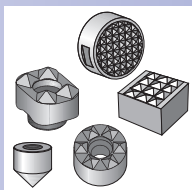
Page 72

NSO

Quenched and ground

Special T-nuts

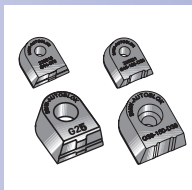
- Order form



Page 74

Grippers UGE, FGH + HDS, Clamping points MGH

- Grippers special steel hardened
- Grippers solid carbide
- Clamping points



Page 77

Precision gripper inserts G14 + G25 - G15 + G30

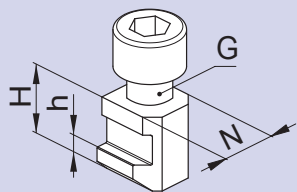
- Precision grippers inserts
- G14 light duty version
- G25 heavy duty version
- G15 light duty version
- G30 heavy duty version

Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

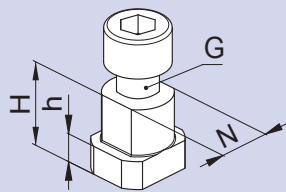
Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

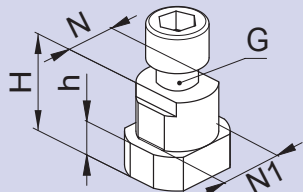


Version 1

- Quenched and ground
- Incl. screw ISO 4762 – 12.9



Version 2



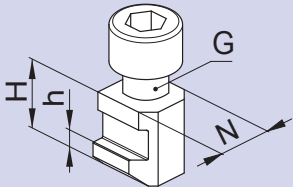
Version 3



Please observe!
Always tighten T-nuts
with a torque wrench.

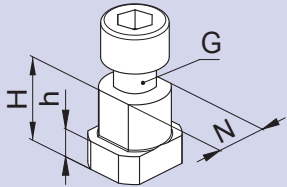
Type	Id. No.	Version	N	H	h	G	Screw ISO 4762	Torque Md max. (Nm)	SMW-AUTOBLOK
NST 11	013862	2	11	21.5	7.5	M8	M8 x 30	30	
NST 12	081966	2	12	17	7	M8	M8 x 20	30	
NST 12-1	089810	2	12	21.5	7.5	M8	M8 x 25	30	SP 125/98 • STP 125
NST 14	013863	2	14	26.5	9.5	M10	M10 x 35	50	SP 160 • STP 165
NST 14-1	085874	2	14	20	7.5	M10	M10 x 25	50	
NST 14-2	035958	1	14	18.5	6.5	M10	M10 x 20	50	HFKN-D 165 • AN-D 165 AL-D 165 • BH-D 165 BHD-FC 165 • BB-D 175 HB-D 165 • PB-D 165 AP/NT-D 170 PBI-D 165 • HYDN-S 180
NST 17	016021	2	17	23	9	M12	M12 x 30	70	
NST 17-1	085877	2	17	22.3	8.3	M12	M12 x 30	70	
NST 17-2	034245	1	17	20.5	7.5	M12	M12 x 25	70	HFKN-D 210 • AN-D 210 AL-D 210 • BH-D 210 BHD-FC 210 • BB-D 210 HB-D 210 • PB-D 210 PBI-D 210 AP/APL/NT-D215/260 RC-D210 HYDN-S 210/226
NST 17-3	081825	2	17	21.5	9	M12	M12 x 25	70	
NST 17-4	013864	2	17	26.5	9.5	M12	M12 x 30	70	SP 200 • SP 240 STP 240 • CC 240 Z
NST 17-5	064921	1	17	18.5	6.5	M12	M12 x 25	70	HFKN-D 165
NST 21	014788	2	21	27	11	M16	M16 x 35	150	
NST 21/17	081812	3	17/21	27	11	M12	M12 x 35	70	

Autoblok	Forkardt	Röhm	Schunk
			TP 125 ROTA TP 125 ROTA NCD 165
	3 KTH 130-33 3 KTH 140-37	KFD 130 • KFH 140 LVE 125 • KFD-HS 160	
			TP 160 ROTA TP 160
ODN 170 • HDB 170 ODL 170 • HDN 170 HDL 170 • GHDN 165 GHD/FC 165			
			ROTA NCK Plus 165 ROTA NCF 185 ROTA NC / NCF Plus 185
	2BLE-PS 160/200 • 2BLEF 200 KL/KT/KTG/KTN/KS-PS 160/200 KSF 175/200 • KS/KL 250 Mo KGH/KGHF/KTH 160/175/200 KS 160/200/250 • KG/KP 200 NH/NHF 160/175/200 QLK/QLC 160/175/200 QLK/QLC-KS 200/250 QLK/QLC-LS 160/200 QLC-AG 200 • UVE 160/200/250		TH/THF/HSL 165/210 ROTA NCD 210 ROTA NC / ROTA NCF Plus 165
ODN 200 • ODN 220 ODL 200 • HDB 200 HDN 200 • HDN 220 HDL 200 • GHDN 210 CD 200 • GHD/FC 210			
			ROTA 2 B 160 ROTA NCD 185 ROTA NC / NCF 165/210 ROTA NCO 210 ROTA NC / NCF Plus 215
		KFD 160/200 • KFD-AF 160/200 KFD-HF 160/200 • KFH-F 160/200 KFH-G 160/200 • KFH-NC 160/200 SPD 160/200 • LVE 160/200	HSG 200/250
			TP 200 ROTA TP 200
	3 NH 250/315 • 3 NHF 250/315 KT 250/315 • KSH 250/315 KSHF 250/315 • 3 KTGF 250/315 KG 250/315 • KP 250-315 KLNC 250/315 • KL 250 KSPS 250/300 • 3 NHF 290 KS 315/400 • KSH 400 • KSHF 400 UVE 315 • 3 NHF 400 (Index) 2 BLE 200 • 2 BLE 250 Mo 2 BLN 200 QLC 250/315 GHE 250 Mo QLK/QLC-KS 315/400 QLK/QLC-LS 250/315 QLC-AG 250/315		ROTA NC-D 250 HSL 250 TH 250 THF 250 HSG 315 HSL 315 ROTA NC-D 315 TH 315 THF 315 ROTA NCF 315

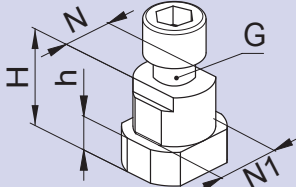


Version 1

- Quenched and ground
- Incl. screw ISO 4762 – 12.9



Version 2



Version 3

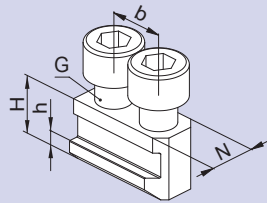


Please observe!
Always tighten T-nuts
with a torque wrench.

Type	Id. No.	Version	N	H	h	G	Screw ISO 4762	Torque Md max. (Nm)	SMW-AUTOBLOK
NST 21-3	081826	2	21	25.5	11	M16	M16 x 35	150	GH-D 400 GH-M 400 RC-D 400 RC-M 400
NST 21-5	033429	2	21	30	11	M16	M16 x 35	150	SP 250/98 SP 350 STP 250/98 • STP 280 SP 280/350
NST 21-6	034197	1	21	26.5	10	M16	M16 x 35	150	HFKN-D 260/315 AN-D 250/315 AL-D 250/315
NST 21/17-1	034208	3	17/21	26.5	10	M12	M12 x 30	70	AN-M 315 • AL-M 315 HB-D 250/315 NT-D 315 • NT-M 315 AP-D 315 • AP-M 315 APL-D 315 • APL-M 315 BH-D 250/315 BHD-FC 250/315 BH-M 315 • BB-M 315 PB-D 250/315 BB-D 250/315 RC-D 250/305 BHM-FC 315 • RC-M 305 PBI-D 250/315 HYDN-S 250/315
NST 25	014812	2	25.5	29	11	M20	M20 x 40	300	HFKN-D 400 HFKN-D 500
NST 25-3	12065020	2	25.5	34.5	15	M20	M20 x 40	300	AN/AL-D 400 BB-N 400/460/500/600 BB-N ES 400/460/500/600 BH-D 400/450/500/630/800 BHD-FC 400/450/500/630/800 CL-D 250/315
NST 25-4	12065002	3	25.5/ 28	40	15.5	M20	M20 x 50	300	GHDN 610/640/800 HYDL-S 800 IN-D 500/630/800 IL-D 500/630/800
NST 25-5	199908	2	25.5	40.5	15	M20	M20 x 50	300	BB-SC 600
NST 30	081811	2	30	41	15	M24	M24 x 50	450	
NST 30-1	014827	2	30	36	15	M24	M24 x 50	450	
NST 30-2	013868	2	30	41	15	M24	M24 x 70	450	
NST 30-3	13063900	2	30	44	18	M24	M24 x 60	450	BB-N 630/800/1000 BB-N ES 630/800/1000 IN-D 1000/1250

Autoblok	Forkardt	Röhm	Schunk
ODN 250-315-400 ODL 250-315-400 HDN 250-315-400 HDL 250-315-400 GHDN 250-315-400 GHD/FC 250-305-400 CD 250/315 HDB 300 2 CLD 200 US-2 CLD 200		KFD/KFD-HF 250/315 KFH/KFH-F/KFH-G/KFH-NC 250/315 KFD-AF 250/315 KFD-HE 254/315 KFL 315/400 KFA 200 LVE 250/305/315	
			TP 205/315 ROTA TP 250/315
			ROTA NCO 260/315 ROTA NC 250 ROTA NCF 250 ROTA 2B 200 ROTA NC Plus 260/315 ROTA NCK Plus 315 ROTA NCF Plus 260/315
	3 NH 400/500/630 • QLC 400 QLK 400 • 3 NHF 400/500/630 3 KTGF 400/500 UVE 400/500/630/800 • KT 400/500 KG 400/500 • KL 400/500 KLNC 400/500 • KP 400 • KS 500/630 KSH 500 • KSL 630 KSHF 630 • KL 300 • KSHF 560 2 BLE 250 • 2 BLE 315 2 BLE-PS 300 • 2 BLE-PS 315 2 BLE 400 • 2 BLE 500 2 BLE-PS 400/500 2 BLN 250/315/400		HSL 400 ROTA NC-D 400/600 ROTA NC 400 ROTA NCF 400 TH 400 THF 400 TH 500 THF 500 ROTA 2B 250/315/400
		KFH 400 • KFD 400 • LVE 400 KFH 500 • KFD 500 • LVE 500 KFD-HE 400 • KFD-HF 400 KFD 630 • LVE 630 KFD-HF 500 • KFD 800 LVE 1000 • KFD-HS 400 KFL 500 • KFA 250 • KFD-HS 500 KFL 600 • KFA 315 • KFH-F 400/500 KFH-G 400/500 • KFH-NC 400/500	HSG 400 HSG 500 ROTA NCO 400/500 TB 400 TB 500 ROTA TB 400/500/610 ROTA EP 380/460 ROTA TB-LH 400/500/610
	KS 800/1000 • KSF 1000	KFD 1000/1250	ROTA NCD 1000 • ROTA NC 1000
			ROTA TB 800/850/1000/1200 ROTA TB-LH 800/850/1000 ROTA NC 630 • ROTA TB 630 ROTA TB-LH 630 • 630 • TH 630

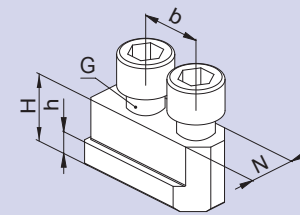
NSTE



Version 1

Double T-nuts

- Quenched and ground
- Incl. screw ISO 4762 – 12.9



Version 2

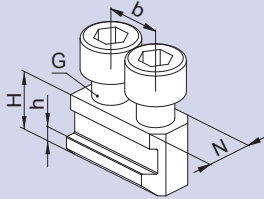


**Please observe!
Always tighten T-nuts
with a torque wrench.**

Type	Id. No.	Version	N	H	h	b	G	Screw ISO 4762	Torque Md max. (Nm)	SMW-AUTOBLOK
NSTE 08	038265	2	8	13.5	5	12	M6	M6 x 20	16	HFKN-D 110
NSTE 12	12061300	2	12	15	6.5	16	M8	M8 x 20	30	BH-D 130 PB-D 130 HB-D 130 BB-D 140
NSTE 12-1	12061200	1	12	15	5.5	16	M8	M8 x 20	30	AN-D 125 AL-D 125
NSTE 14	73061650	1	14	18.5	6.5	16.4	M10	M10 x 20	50	HFKN-D 165 AN/AL/BH/BH-D 165 BHD-FC 165 PB/PBI/RC-D 165 AP/NT-D 170 BB-D 175 HYND-S 180
NSTE 17	081813	2	17	23	9	22	M12	M12 x 30	70	
NSTE 17-1	081814	2	17	23	9	19	M12	M12 x 30		
NSTE 17-2	73062150	1	17	20.5	7.5	23	M12	M12 x 25	70	HFKN-D 210 • AN-D 210 AL-D 210 • BH-D 210 BHD-FC 210 • RC-D 210 BB-D 210 • PB-D 210 PBI-D 210 • HB-D 210 HYDN-S 210/226 AP-D 215 • NT-D 215
NSTE 17-3	18062632	1	17	20.5	7	30	M12	M12 x 25	70	AP-D 260 NT-D 260
NSTE 21	081815	2	21	27	11	28	M16	M16 x 35	150	
NSTE 21-2	73063050	1	21	26.5	10	30	M16	M16 x 30	150	HFKN-D 260/315 • HFKN-M 315 AN/AL/BH/BB/HB/PB/PBI-D 250/315
NSTE 21-3	034148	1	21	26.5	10	28	M16	M16 x 30	150	AN/AL/BH/BB/HB/PB/PBI-M 315 AP/APL/NT-D 315 AP/APL/NT-M 315 HYND-S 250/315 • RC-D 250/305 RC-M 305 • BHD-FC 250/315 BHM-FC 315
NSTE 25.5	081817	2	25.5	29	11	35	M20	M20 x 40	300	HFKN-D 400 HFKN-M 400
NSTE 25.5-1	73065030	1	25.5	33	14.5	38	M20	M20 x 40	300	RC-D 500 AP-D 400 • APL-D 400 NT-D 400

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NSTE-M

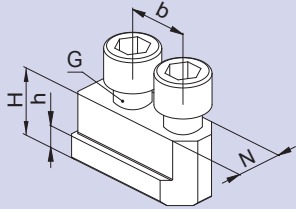


Version 1

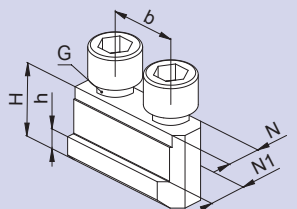
Double T-nuts
for base jaws with METRIC SERRATION

- Quenched and ground
- Incl. screw ISO 4762 – 12.9

Type	Id. No.	Version	N	H	h	b	G	Screw ISO 4762	Torque Md max. (Nm)	SMW-AUTOBLOK
NSTE-M 105	091508	2	10	15	5	14	M8	M8 x 20	30	
NSTE 12	12061300	2	12	15	6.5	16	M8	M8 x 20	30	BH-M 130 • BB-M 140 HB/PB-M 130
NSTE 12-1	12061200	1	12	15	5.5	16	M8	M8 x 20	30	AN-M 125 • AL-M 125
NSTE-M 120	73061602	1	12	18.5	6.5	20	M10	M10 x 20	50	AN-M 165 • AL-M 165 BH-M 165 • BHM-FC 165 RC-M 165 • PB-M 165 PBI-M 165 • HB-M 165 BB-M 175 • AP/NT-M 170
NSTE-M 121	081833	2	12	22	7	20	M10	M10 x 25	50	
NSTE-M 125	012534	2	12	18.5	7.5	20	M10	M10 x 25	50	
NSTE-M 140	73062101	1	14	20.5	7.5	25	M12	M12 x 25	70	AN-M 210 • AL-M 210 BH-M 210 • BHM-FC 210 RC-M 210 • PB-M 210 PBI-M 210 • HB-M 210 BB-M 210 • AP/NT-M 215 APL-M 215
NSTE-M 141	081834	2	14	24.5	8.5	25	M12	M12 x 35	70	
NSTE-M 145	012535	2	14	20.5	8.5	25	M12	M12 x 30	70	
NSTE-M 160	73062501	1	16	26.5	10	30	M12	M12 x 30	70	AN-M 250 • AL-M 250 BH-M 250 • BHM-FC 250 RC-M 250 • PB-M 250 PBI-M 250 • HB-M 250 BB-M 250 AP/APL-M 260 • NT-M 260
NSTE-M 160-1	18062633	1	17/16	20.5	7.5	30	M12	M12 x 30	70	
NSTE-M 161	080547	2	16	24.5	8.5	30	M12	M12 x 35	70	
NSTE-M 162	081835	2	16	23	8	30	M12	M12 x 30	70	
NSTE-M 165	012546	2	16	21.5	8.5	30	M12	M12 x 30	70	
NSTE-M 167	081836	2	16	26.5	8.5	25	M12	M12 x 35	70	
NSTE-M 181	081837	2	18	33.5	13.5	30	M14	M14 x 45	130	
NSTE-M 187	019359	2	18	27.5	9.5	30	M14	M14 x 40	130	
NSTE 21-2	73063050	1	21	26.5	10	30	M16	M16 x 30	150	AN/AL/AP/APL/NT/BH/BB-M 315 PP/HB/PBI-M 315 BHM-FC 315 • RC-M 305 AP/APL/NT-M 400 • BHM -FC 400
NSTE-M 220	12064020	2	22/25.5	34.5	15		M20	M20 x 40	150	
NSTE-M 212	081839	2	21	28	11.5	30	M16	M16 x 40	150	
NSTE-M 213	236521	2	21	23	11.5	30	M16	M16 x 35	150	
NSTE-M 227	081842	3	22/24	45.5	16.5	43	M20	M20 x 60	300	
NSTE-M 22	12064020	3	22/25.5	34.5	15		M20	M20 x 40	300	AN-M 400 • AL-M 400 BH-M 400/450



Version 2



Version 3



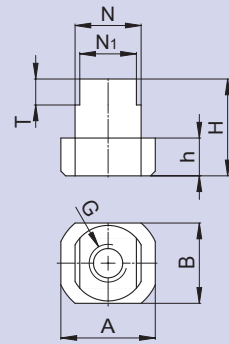
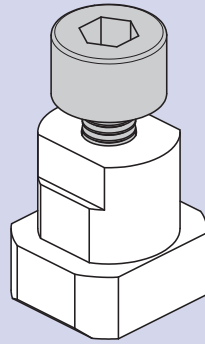
Please observe!
Always tighten T-nuts
with a torque wrench.

Howa	Samchully	Kitagawa	Schunk
		B204 • B205	
HO 1 MA 6 • HO 7 MA 6 HO 24 M 6 • HO 27 M 6 HO 15 M 6 • HO 22 M 6 HO 47 M 6 • HO 37 M 6		HJA 5-6 • HO 6 • N-160 • HOS 6 HOH 06 • N 160 • B 06 • N 06 B-160 • HOB 6 • AS 165 • HOH-160	HSL 165 (1.5 x 60°) ROTA NC/NCF 165
		B-206 • B 06 • B 106 • B 07 HOH 106 • HOH 06 • BB 06 BB 206 • HOH 206	ROTA NCK 165 ROTA NCK Plus 165
HO 1 MA 8 • HO 2 MA 8 HO 23 M 8 • HO 7 M 8 • HO 15 M 8	HCH 08	HJA 6-8 • HO 8 • HOH 08 • N-200 HOS 8 • B 08 • B-200 • HOB 8 AS 210 • HOH-200 • N 08 • N 200 B-208 • B 108 • HOH 108 • HOH 208 B 208 • BB 208 • BB 08	HSL 210 (1.5 x 60°) ROTA NC/NCF 210
	HC 10 HCH 10	B-250 • AS 250 • HOS 10 • B 10 AS 250 • HOB-10 • HO-10 HJA 8-10 • HOH 250 • N 10 • N 250	HSL 250 (1.5 x 60°) ROTA NC/NF 250
HO 1 MA 10 • HO 2 M 10	MH 208 • HS 08 MH 210 • HS 10	B-110 • HOH 110 • B-210 • HOH 210 BB 210 • BB 10	ROTA NCK 250 ROTA NCK Plus 250
HO 7 MA 10 • HO 15 M 10 HO 22 M 8 • HO 47 M 8 HO 23 M 10 • HO 27 M 8 HO 24 M 8 • HO 37 M 8 HO 1 MA 12 • HO 2 M 12	HC 12 • HS 12	B-300 • HO-12 • HOH-300 • HOS 12 B 12 • N 12 • HOH 12 • N-300 HOB 12 • HLA 6-12 • HLA 6-15 HLA 8-12 • HJA 8-15	ROTA NC/NCF 315
HO 7 MA 12 • HO 22 M 10 HO 23 M 12 • HO 37 M 10 HO 27 M 10 • HO 24 M 10 HO 15 M 12 • HO 47 M 10			HSL 315
	MH 212 HS 12	B 212 • HOH 212 • B-112 • HOH 112	ROTA NCK 315 • ROTA NCK Plus 315 ROTA NCD 315 ROTA NC/NCF Plus 315
		BB 212 B-380 • B-15 • B-18 • B-450 HOH 380 • HOH-18 • HOB-15 HOB 18 • HOH 15	HSL 400 ROTA NC/NCF 400

Special T-nuts to customer request

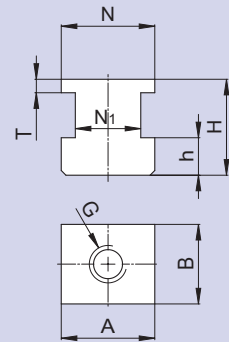
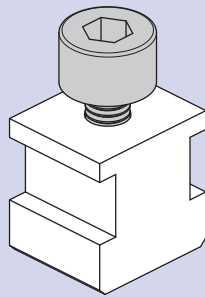
- Existing top jaws can be adapted to different chucks by using stepped T-nuts
- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

T-nuts type NSO 10



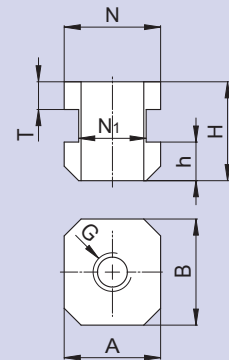
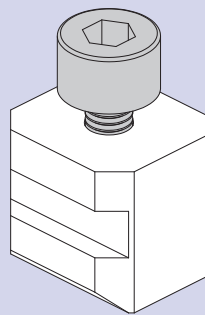
Dimensions					
A		mm	H		mm
B		mm	N		mm
G (thread)			N1		mm
h		mm	T		mm

T-nuts type NSO 20



Dimensions					
A		mm	H		mm
B		mm	N		mm
G (thread)			N1		mm
h		mm	T		mm

T-nuts type NSO 30

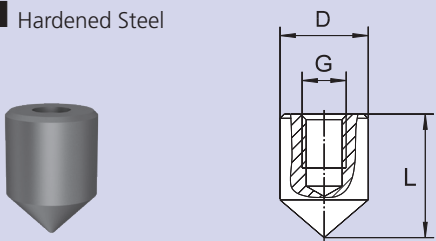


Dimensions					
A		mm	H		mm
B		mm	N		mm
G (thread)			N1		mm
h		mm	T		mm

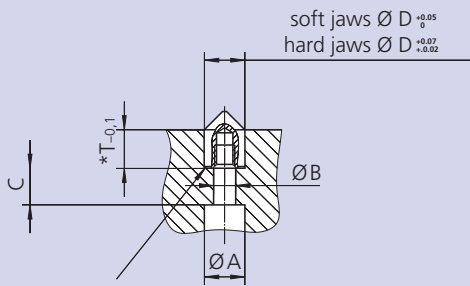
Notes

72 **SMW-AUTOBLOK**

MGH Hardened Steel



Parts included: Hardened tip without screw



*equal per seth within 0.1 mm

Clamping tips for jaws

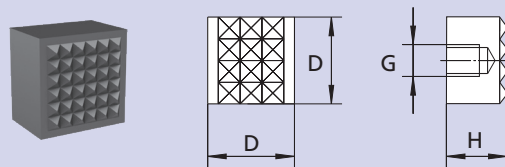
- For external and internal gripping
- Increasing gripping allows for heavier cuts
- Rear mounting of bolts
- Point seat can easily be machined: drilling only

Type	MGH 6	MGH 8	MGH 10	MGH 12
Id. No.	081851	087805	081852	081853
D mm	6	8	10	12
L mm	10	12	14	16
G mm	M3	M4	M5	M6
A mm	6	8	10	11
B mm	3.4	4.5	5.5	6.6
C mm	9	9	9	11
T mm	7.5	8.5	9.5	10.5
R mm	0.3	0.5	0.5	0.5
Torx Screw ISO 4762	M3 x 14	M4 x 14	M5 x 14	M6 x 16

HDS-R



HDS-Q



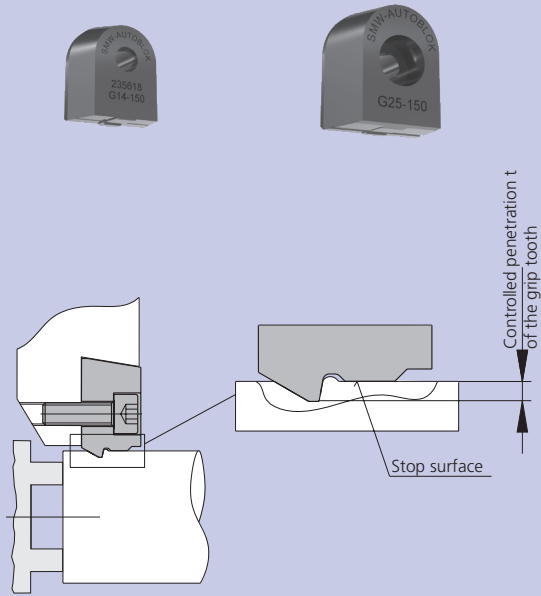
Grippers for jaws, fixtures

- For o.d. gripping
- Increase of the transmittable torque on raw or machined work pieces
- Rear mounting threads or side gages for locking
- The pocket can easily be machined

Type	Id. No.	D	H	G	max. load force F ¹⁾ (daN)	rec. mounting	
						bore-Ø + 0.05	bore depth
HDS-R 10	081846	10	10	M5	800	10	9.0
HDS-R 11	081847	12.7	9.5	M5	1100	12.7	8.5
HDS-R 12	081848	12.7	12.7	M6	1100	12.7	11.5
HDS-R 13	081849	15.8	9.5	M6	2000	15.8	8.5
HDS-R 14	081850	19	9.5	M6	3000	19	8.5
HDS-Q 15	033058	12.7	9.5	M6	2000	—	—

■ With pull down effect

G14 + G25



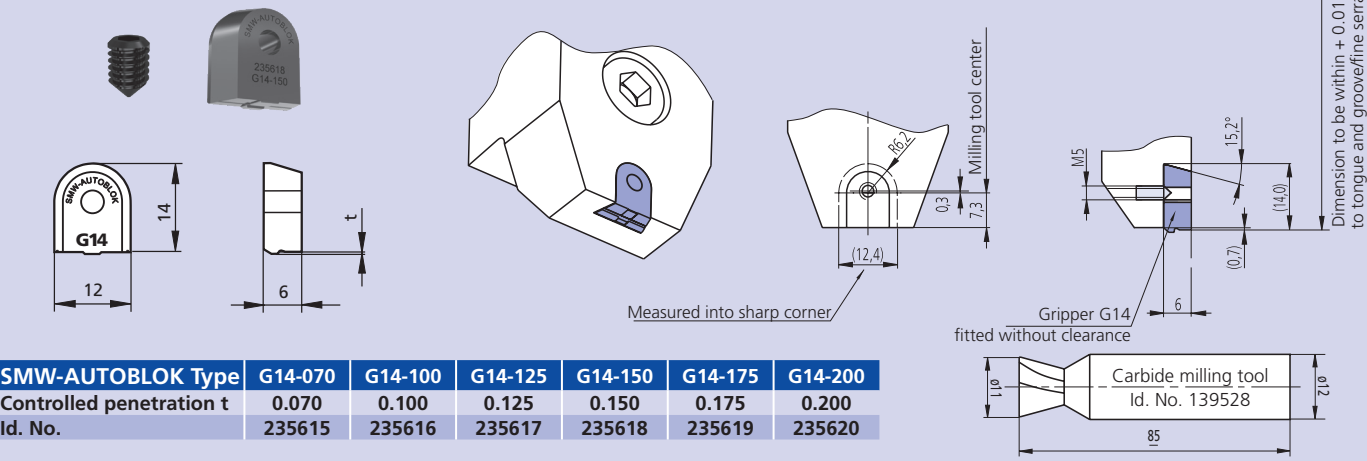
G-gripper characteristics

- Type G grippers have a stop surface for a **controlled penetration** of the grip tooth.
- **The workpiece is clamped concentric on the stop surface**, so that the clamping dia. and the machining dia. are concentric.
- The **high precision** of the gripper guarantees concentricity even after replacing worn out grippers.
- Highest torque transmission is guaranteed with the **combination of friction and positive drive**.
- The geometry of the gripper creates a **pull down effect** on the workpiece.
- **TIN coated high speed steel** for long life.
- You can **select the corresponding gripper** for all applications according to the grind stock allowance.
- Gripper with **controlled penetration** 0.070 - 0.30 mm are standard.
- **Special grippers are available** on request.

G14

(light duty version)
material: HSS

Mounting dimension

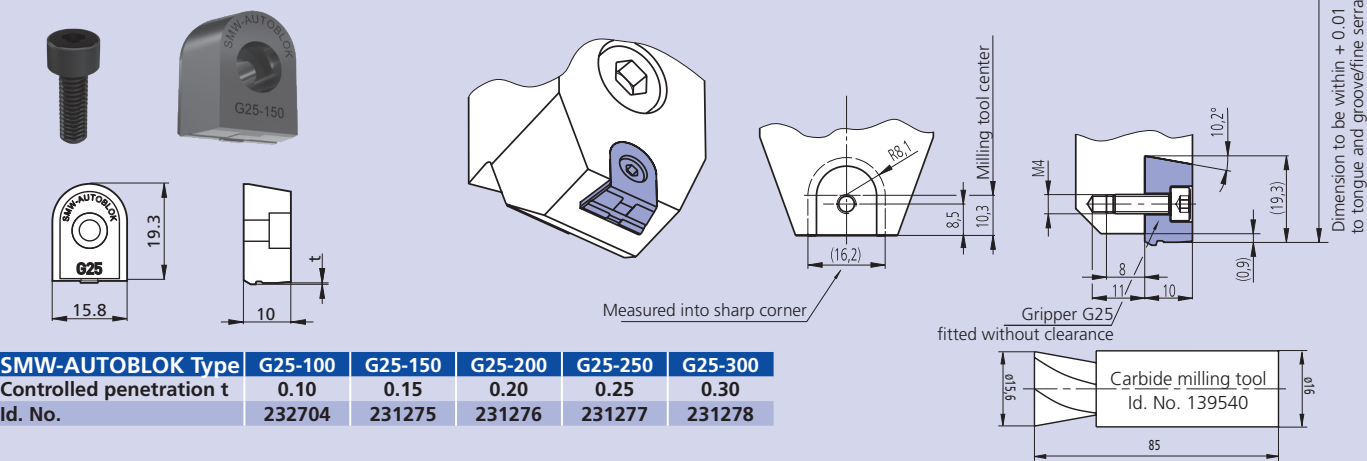


SMW-AUTOBLOK Type	G14-070	G14-100	G14-125	G14-150	G14-175	G14-200
Controlled penetration t	0.070	0.100	0.125	0.150	0.175	0.200
Id. No.	235615	235616	235617	235618	235619	235620

G25

(heavy duty version)
material: HSS

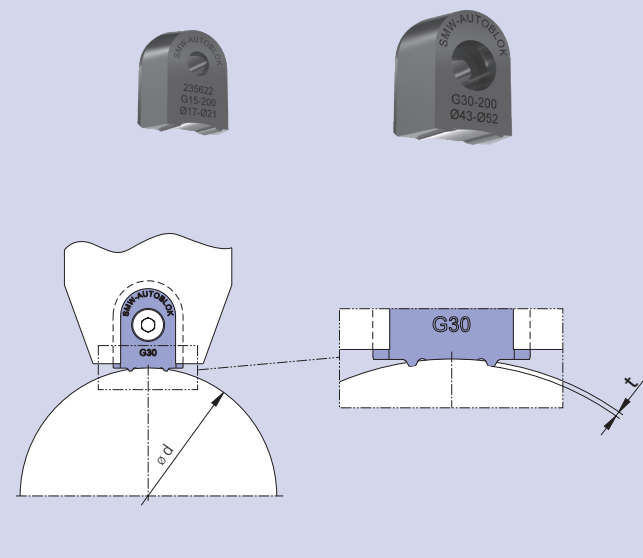
Mounting dimension



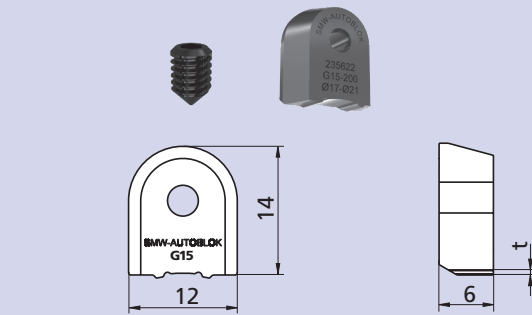
SMW-AUTOBLOK Type	G25-100	G25-150	G25-200	G25-250	G25-300
Controlled penetration t	0.10	0.15	0.20	0.25	0.30
Id. No.	232704	231275	231276	231277	231278

■ For highest torque transmission

G15 + G30



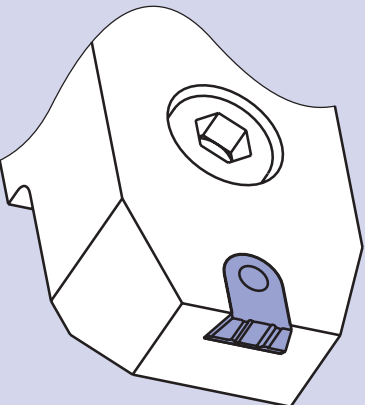
G15 (light duty version)
material: HSS



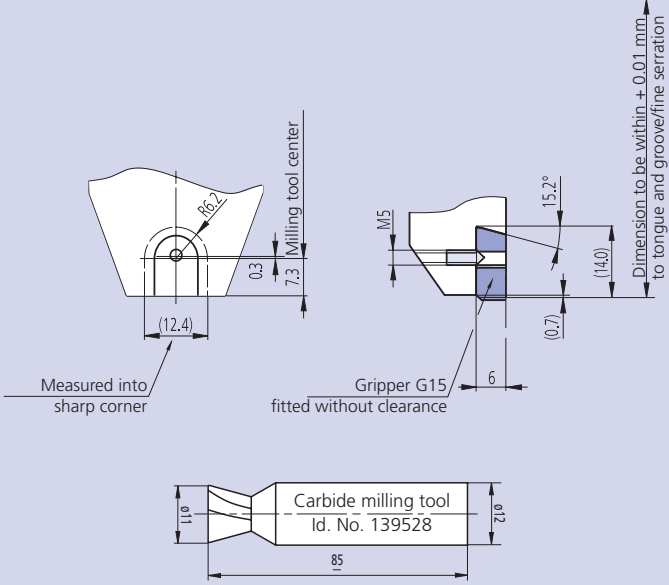
SMW-AUTOBLOK Type	G15-150	G15-200	G15-250
Work piece-Ø	17 - 21		
Controlled penetration t	0.15	0.20	0.25
Id. No.	235621	235622	235623
Work piece-Ø	22 - 27		
Controlled penetration t	0.15	0.20	0.25
Id. No.	237762	237763	237764
Work piece-Ø	28 - 34		
Controlled penetration t	0.15	0.20	0.25
Id. No.	235624	235625	235626
Work piece-Ø	35 - 42		
Controlled penetration t	0.15	0.20	0.25
Id. No.	237765	237766	237767
Work piece-Ø	43 - 53		
Controlled penetration t	0.15	0.20	0.25
Id. No.	235627	235628	235629
Work piece-Ø	54 - 78		
Controlled penetration t	0.15	0.20	0.25
Id. No.	237400	237401	237402
Work piece-Ø	79 - 175		
Controlled penetration t	0.15	0.20	0.25
Id. No.	237409	237410	237411

G-gripper characteristics

- Type G grippers have a stop surface for a **controlled penetration** of the grip tooth.
- The **workpiece is clamped concentric on the stop surface**, so that the clamping dia. and the machining dia. are concentric.
- The **high precision** of the gripper guarantees concentricity even after replacing worn out grippers.
- Highest torque transmission is guaranteed with the **combination of friction and positive drive**.
- **TIN coated high speed steel** for long life.
- You can **select the corresponding gripper** for all applications according to the grind stock allowance.
- Gripper with **controlled penetration** 0.15 - 0.30 mm are standard.
- **Special grippers** are available on request.

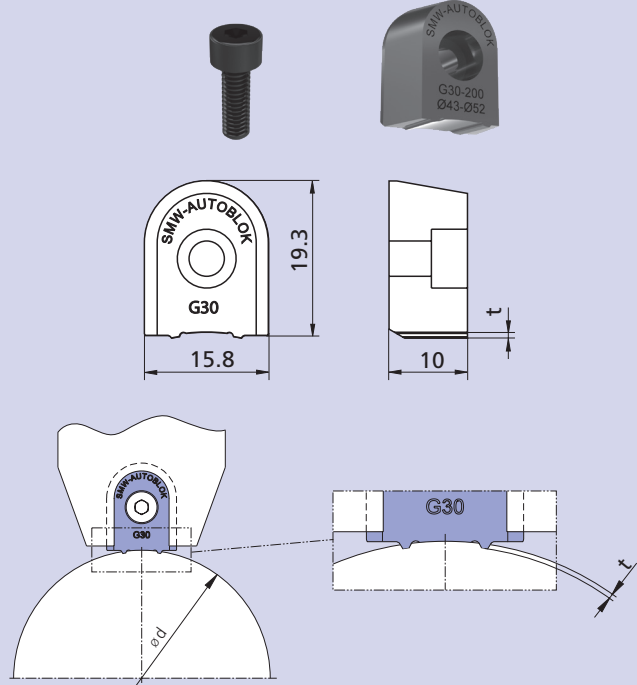


Mounting dimension

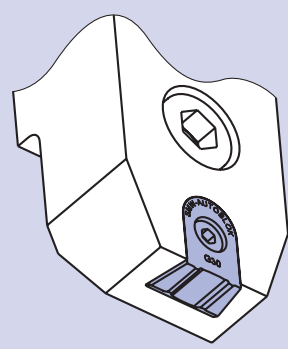


■ For highest torque transmission

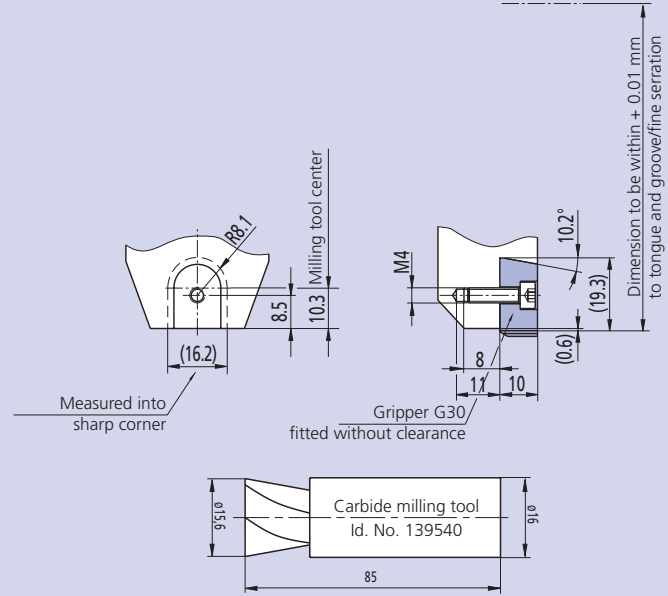
G30 (heavy duty version)
material: HSS



SMW-AUTOBLOK Type	G30-200	G30-250	G30-300
Work piece-Ø	24 - 32		
Controlled penetration t	0.20	0.25	0.30
Id. No.	237841	237842	237843
Work piece-Ø	33 - 42		
Controlled penetration t	0.20	0.25	0.30
Id. No.	233481	233482	233483
Work piece-Ø	43 - 52		
Controlled penetration t	0.20	0.25	0.30
Id. No.	233421	233422	233423
Work piece-Ø	53 - 64		
Controlled penetration t	0.20	0.25	0.30
Id. No.	233485	233486	233487
Work piece-Ø	65 - 84		
Controlled penetration t	0.20	0.25	0.30
Id. No.	234811	234812	234813
Work piece-Ø	85 - 119		
Controlled penetration t	0.20	0.25	0.30
Id. No.	237291	237292	237293
Work piece-Ø	120 - 174		
Controlled penetration t	0.20	0.25	0.30
Id. No.	237299	237300	237301
Work piece-Ø	175 - 335		
Controlled penetration t	0.20	0.25	0.30
Id. No.	237422	237423	237424

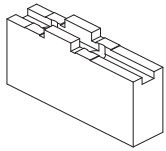


Mounting dimension



Soft top jaws – TONGUE & GROOVE

SMW-AUTOBLOK | Forkardt | Samchully | Kitagawa | Röhme | Schunk



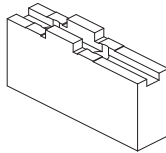
WAK

Standard version
16MnCr5

Soft top jaws

- TONGUE & GROOVE
- For quick jaw change

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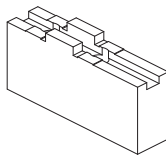
WAKS

Wide version
16MnCr5

Soft top jaws

- TONGUE & GROOVE
- For quick jaw change

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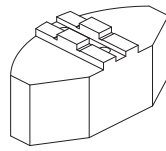
WAK-A

Light version
Aluminium F50

Soft top jaws aluminium

- TONGUE & GROOVE
- For quick jaw change

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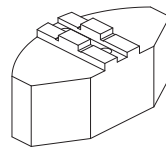
SBK

16MnCr5

Soft pie jaws

- TONGUE & GROOVE
- For quick jaw change

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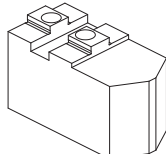
SBK-A

Light version
Aluminium F50

Soft pie jaws aluminium

- TONGUE & GROOVE
- For quick jaw change

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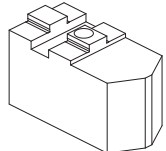
WBR

16MnCr5

Soft top jaws

- TONGUE & GROOVE
- For 2- and 3-jaw power chuck

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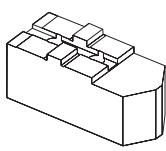
WBK

16MnCr5/C45

Soft top jaws

- TONGUE & GROOVE
- For 2- and 3-jaw power chuck

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WAKA

C45
American Standard

Soft top jaws

- TONGUE & GROOVE
- For 2-, 3- and 4-jaw power chuck
- For all chucks:
American Standard

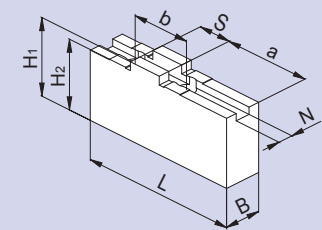
Page 93

Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.



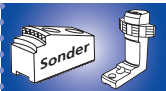
Soft top jaws
for quick jaw change

- Tongue & groove
- Material: 16MnCr5

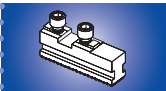
Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAK 125-10	016633	20	30	27.5	55	14*	5*	25	20	0.61	
WAK 140-10	012490	20	40	36	69	8	18	26	32	0.89	KNCS-N 140
WAK 160-10	012491	20	40	36	85	8	18	42	32	1.15	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
WAK 200-10	012492	22	46	42	105	10	20	50	40	1.91	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK 250-10	012493	30	55.5	50.5	125	12	20	70	40	3.72	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
WAK 400-10	012494	35	60	54	145	12	26	74	54	5.70	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
WAK 500-10	012495	50	80	73	180	18	30	100	60	13.65	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/ 500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630
WAK 630-10	080930	65	118	110	260	24	40	150	82	39.48	HG-F 630

* Groove
Other dimensions on request.
Use the data sheet on page 94 for ordering.

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 125 F+125			Duro 125	
			Duro-NC 140 Duro-NC 168	
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 • THW165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280/315 KTNCV 250 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500L	QJC-220	QJ21 QJ24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500 THW 630-R
F 630 F+ 630			Duro 630 Duro-NC 630	ROTA-S plus 630/800/1000 ROTA-S 630/800/1000 ROTA-G 630



SMW-AUTOBLOK
94, 108, 184

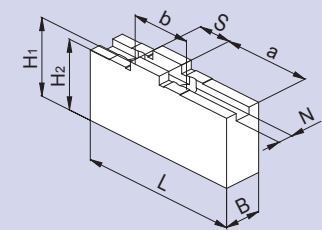


SMW-AUTOBLOK
112, 152



SMW-AUTOBLOK
74

WAKS

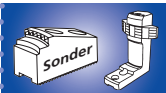


Soft top jaws
wide version, for quick jaw change

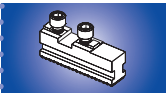
- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAKS 140-10	012496	35	40	36	63	8	18	26	32	1.62	KNCS-N 140
WAKS 160-10	080931	25	50	46	85	8	18	42	32	1.94	HG-N 160
WAKS 160-20	080932	30	55.5	51.5	85			48	32	2.69	HG-F 160
WAKS 160-30	080933	40	80	76	70			26	32	4.43	KNCS-N 170 KNCS-2G 170
WAKS 200-10	080934	30	55.5	51.5	100	10	20	57	40	3.21	HG-N 210
WAKS 200-20	080935	30	70	66	100			45	40	4.09	HG-F 210
WAKS 200-30	012497	40	40	36	70			27	40	2.11	KNCS-N 210
WAKS 200-31	080936	40	60	56	85			42	40	4.02	KNCS-N 225
WAKS 200-32	036733	40	80	76	95			52	40	6.19	KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAKS 250-10	080937	40	60	55	125	12	20	70	40	5.70	HG-N 260
WAKS 250-11	080938	40	80	75	125			70	40	7.71	HG-N 315
WAKS 250-12	080939	40	100	95	125			70	40	9.75	HG-F 260
WAKS 250-13	080940	40	120	115	125			70	40	11.80	KNCS-N 260/275
WAKS 250-20	012498	60	60	55	90			44	40	6.30	KNCS-N 325/340
WAKS 250-21	080942	60	60	55	110			60	40	7.78	KNCS-NB 260
WAKS 250-22	080943	60	80	75	90			44	40	8.50	KNCS-NB 325
WAKS 250-23	080944	60	80	75	110			60	40	10.58	KNCS-NB 340
WAKS 250-30	012499	80	60	55	90			44	40	8.68	KNCS-2G 260
WAKS 250-31	080945	80	80	75	110			60	40	14.48	KNCS-2G 325
WAKS 400-10	080946	40	60	54	110	12	26	54	54	4.88	HG-N 400
WAKS 400-11	080947	40	60	54	145			89	54	6.60	HG-2G 400
WAKS 400-12	080948	40	100	94	145			89	54	11.44	HG-F 315
WAKS 400-13	080949	40	120	114	145			89	54	13.86	KNCS-N 400
WAKS 400-14	080950	40	150	144	145			89	54	17.49	KNCS-NB 400
WAKS 400-20	080951	60	60	54	110			54	54	7.73	KNCS-2G 400
WAKS 400-21	080952	60	80	74	110			54	54	10.52	
WAKS 400-22	080953	60	100	94	110			54	54	13.32	
WAKS 400-30	012500	80	70	64	100			44	54	11.38	
WAKS 500-10	080954	60	80	73	155	18	30	90	60	14.17	HG-N 500
WAKS 500-12	080956	60	120	113	155			90	60	21.91	HG-N 630
WAKS 500-20	080957	80	80	73	155			90	60	19.70	HG-2G 500
WAKS 500-21	080958	80	100	93	155			90	60	25.04	HG-2G 630
WAKS 500-30	012501	90	80	73	130			65	60	18.50	HG-F 400/500
WAKS 500-31	012502	100	80	73	150			85	60	24.28	KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

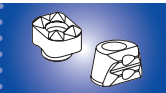
Forkardt	Samchully	Kitagawa	Röhm	Schunk
			Duro-NC 140 Duro-NC 168	
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ306	Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ310 QJ312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ21 QJ24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500



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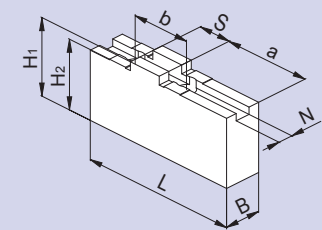


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WAK-A

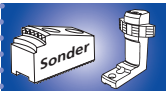


Soft top jaws aluminium
light version, for quick jaw change

- Tongue & groove
- Material: Aluminium (tensile strength ca. 500 N/mm²)

Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAK-A 160	080959	25	50	46	85	8	18	42	32	0.69	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
WAK-A 200	080960	25	50	46	105	10	20	50	40	0.88	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK-A 210	035222	40	60	56	90	10	20	43	40	1.54	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK-A 250	080961	40	60	55	125	12	20	70	40	2.04	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
WAK-A 400	080962	40	60	54	145	12	26	74	54	2.38	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
WAK-A 500	035142	50	80	73	180	18	30	100	60	4.89	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250 F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500



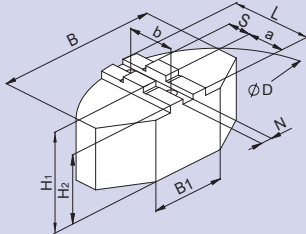
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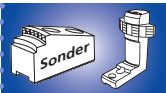


Soft pie jaws
for quick jaw change

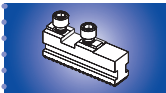
- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	B ₁	H ₁	H ₂	L	N	S	a	b	D	kg/ Set	SMW-AUTOBLOK
SBK 160	080963	120	40	50	46	60	8	18	23	32	160	4.89	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
SBK 200	080964	140	64	60	56	70	10	20	27	40	200	9.01	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
SBK 250	080965	180	70	60	55	90	12	20	44	40	250	13.05	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
SBK 400	080966	240	120	75	69	110	12	26	54	54	320	28.89	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400

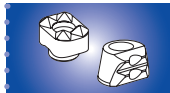
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F



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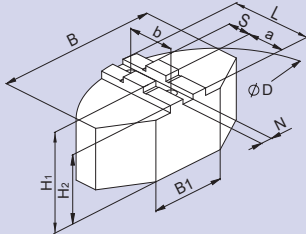


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SBK-A

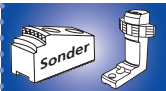


Soft pie jaws aluminium
light version, for quick jaw change

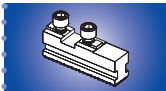
- Tongue & groove
- Material: Aluminium (tensile strength appr. 500 N/mm²)

Type	Id. No.	B	B ₁	H ₁	H ₂	L	N	S	a	b	D	kg/ Set	SMW-AUTOBLOK
SBK-A 160	080967	120	40	50	46	59.5	8	18	23	32	165	1.74	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
SBK-A 200	080968	140	50	58	54	72.5	10	20	32	40	200	3.11	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
SBK-A 250	080969	180	70	58	53	87.5	12	20	44	40	250	4.31	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
SBK-A 400	080970	240	80	75	69	117	12	26	54	54	320	10.40	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
SBK-A 500	085193	330	150	90	82	160	18	30	95	60	440	21.63	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

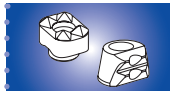
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNCV 250 KTNC 280 KTNC 315 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW500-R/F ROTA THWB 400/500



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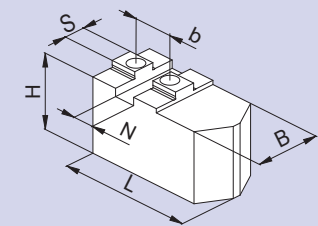
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WBR

Soft top jaws
for 2- and 3-jaw power chuck

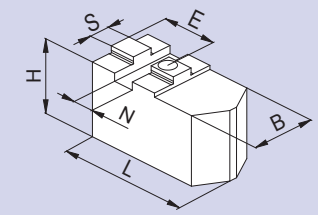


- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	H	L	S	N	b	kg/ Set	SMW-AUTOBLOK	Röhm
WBR 1101	013843	25	30	51	8	8	15	0.65	HFKN-C 110	KFD 110 KFD 125

WBK

Soft top jaws
for 2- and 3-jaw power chuck



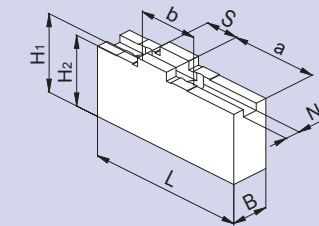
- Tongue & groove
- Material: 16MnCr5/ *C45

Type	Id. No.	B	H	L	S	N	E	kg	SMW-AUTOBLOK	Forkardt	Röhm	Schunk
WBK 0801*	90040800	30	30	38	8	8	14	0.18	CL-C 80			
WBK 0851**	080983	22	30	40	8	8	-	0.48			KFD 85	
WBK 0951**	080984	22	40	44.5	8	8	-	0.75			KFD 95	
WBK 1001*	90041000	30	30	48	8	8	20	0.23	CL-C 100			
WBK 1201*	90041300	35	35	57	14	16	27	0.40	CL-C 125	2 BLE 125	KFA 125	ROTA 2 B 125
									US 2 CL-C 125	2 BLN 125	KFD-G 125	
									CL-C 160	2 BLE 160	KFA 160	ROTA 2 B 160
									US 2 CL-C 160	2 BLE PK 160	KFD-G 160	
										2 BLN 160		
WBK 1602*	90041600	40	40	75	18	18	34	0.72				

* Material: C45 / Id. No. per piece (Weight per piece)
** Jaws pointed / Id. No. per set (Weight per set / 3 pieces)

WAKA

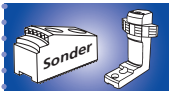
Soft top jaws
2, 3 and 4 jaw versions for power chucks



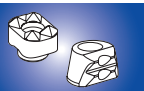
- American Standard tongue and groove
- Material: C45

Type	Id. No.	B	H ₂	L	N	S	a	b	ISO 4762	kg/ piece	SMW-AUTOBLOK
WAKA 165*	12041660	30	32	80	7.94	12.68	43.66	38	M10	0.47	RAN 160 AN-C 165 HB-C 165 PB-C 165 PBI-C 165 AP-C 170 NT-C 170
WAKA 210*	12042060	35	37	100	7.94	12.68	58.66	44.4	M12	0.81	RAN 200 AN-C 210 HB-C 210 PB-C 210 PBI-C 210 AP-C 215 APL-C 215 NT-C 215
WAKA 250*	12042560	45	42	120	12.7	19.03	68.5	54	M16	1.40	AN-C 250 HB-C 250 PB-C 250 PBI-C 250 RAN 250 AP-C 260 APL-C 260 NT-C 260
WAKA 315*	12043060	50	47	140	12.7	19.03	80.48	63.5	M16	2.14	AN-C 315 HB-C 315 PB-C 315 PBI-C 315 RAN 315 AP-C 315 APL-C 315 NT-C 315
WAKA 400	12044050	60	55	165	12.7	19.03	95.49	76.2	M20	3.53	AN-C 400 AP-C 400 APL-C 315 NT-C 400 RAN 400
WAKA 500	12045050	75	70	165	12.7	19.03	95.48	76.2	M20	5.83	IL-C 500 IL-C 630 IL-C 800 IN-C 500 IN-C 630 IN-C 800

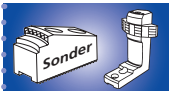
* Jaws pointed



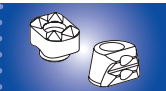
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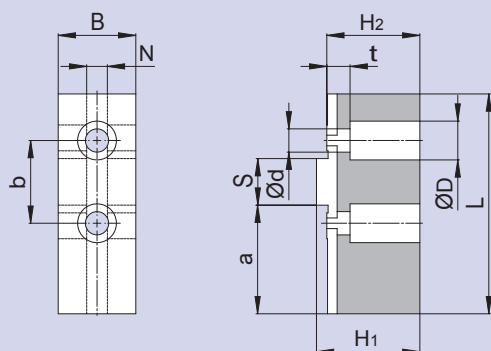


SMW-AUTOBLOK
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Soft special jaws to customer request

- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Soft top jaw-blanks



Dimensions

a	mm	H2	mm
b	mm	L	mm
B	mm	N	mm
d	mm	S	mm
D	mm	t	mm
H1	mm		

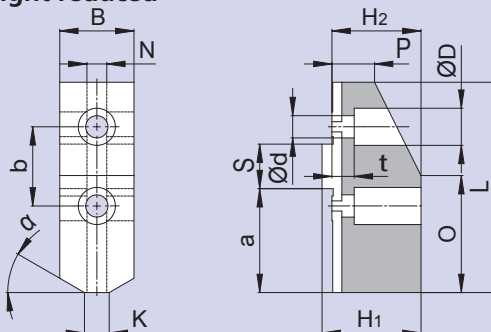
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Soft top jaw-blanks weight reduced



Dimensions

a	mm	N	mm
b	mm	S	mm
B	mm	t	mm
d	mm	K	mm
D	mm	O	mm
H1	mm	P	mm
H2	mm	α	Grad
L	mm		

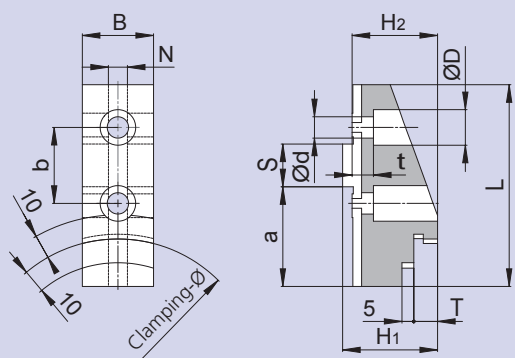
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Soft top jaws for external clamping



Dimensions

a	mm	L	mm
b	mm	N	mm
B	mm	S	mm
d	mm	t	mm
D	mm	T	mm
H1	mm	Clamping-Ø	mm
H2	mm	Workpiece-Ø	mm

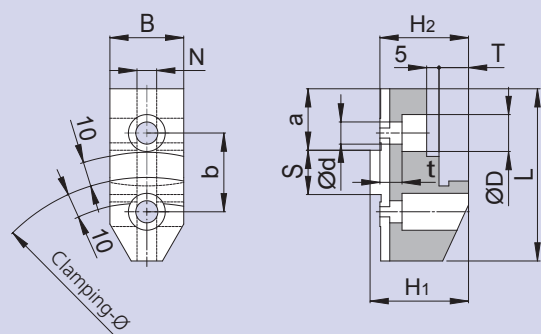
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Soft top jaws for internal clamping



Dimensions

a	mm	L	mm
b	mm	N	mm
B	mm	S	mm
d	mm	t	mm
D	mm	T	mm
H1	mm	Clamping-Ø	mm
H2	mm	Workpiece-Ø	mm

Material

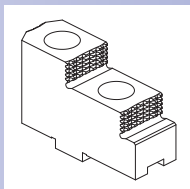
Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaws – Tongue & groove

SMW-AUTOBLOK | Forkardt | Samchully | Kitagawa | Röhme | Schunk



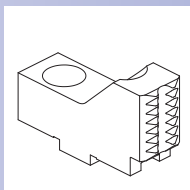
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GUA

Reversible

Hard top jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping

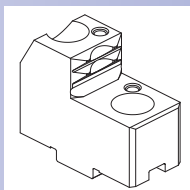


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GSK

Hard bar roughing jaws

- Tongue & groove
- For quick jaw change
- For external clamping



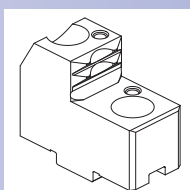
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GGK

For SMW-AUTOBLOK chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping



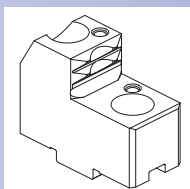
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GGK

For Forkardt chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping



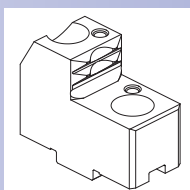
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GGK

For Samchully chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping



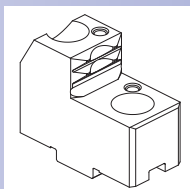
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GGK

For Kitagawa chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping



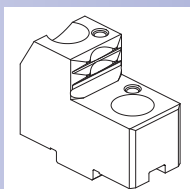
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GGK

For Röhme chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For Röhme chucks
- For internal and external clamping



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GGK

For Schunk chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping

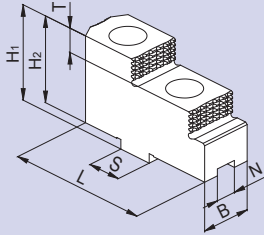
Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

GUA



Hard, reversible top jaws
for quick jaw change

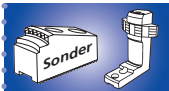
- Tongue & groove
- For internal and external clamping



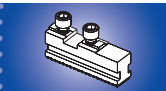
Only jaws that are ground on the chuck under clamping condition guarantee highest repeatability.

Type	Id. No.	B	H ₁	H ₂	L	T	N	S	kg/ Set	SMW-AUTOBLOK
GUA 160	012484	20	36.5	32.5	63.60	7.5	8	18	0.59	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
GUA 200	012485	22	43	39	74.95	10	10	20	0.92	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
GUA 250	012486	30	55	50	89.50	14	12	20	1.95	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
GUA 400	012487	35	62	56	105.5	15	12	26	3.25	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
GUA 500	012488	45	80.5	73	130	20	18	30	6.57	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630
GUA 631	035959	65	105	97	185	30	24	40	18.71	HG-F 630

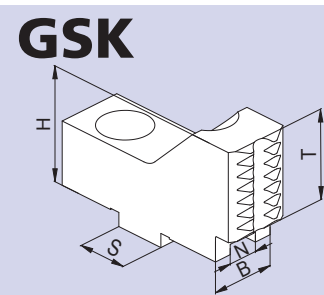
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210 R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500
F 630 F+ 630			Duro 630 Duro-NC 630	ROTA-S plus 630/800/1000 ROTA-S 630/800/1000 ROTA-G 630



SMW-AUTOBLOK
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SMW-AUTOBLOK
112, 152

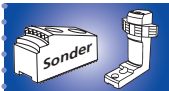


Hard bar roughing jaws
for quick jaw change

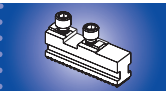
- Tongue and groove
- For external clamping

Type	Id. No.	Clamping ranges Ø	B	H	T	N	S	kg/ Set	SMW-AUTOBLOK
GSK 160	091359	12-40	22	40	30	8	18	0.68	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
GSK 200	091360	15-50	22	45	37	10	20	0.85	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-2G 210 KNCS-2G 225
GSK 250	091361	15-60	26	45	35	12	20	1.13	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
GSK 400	091362	30-90	32	50	40	12	26	2.15	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400

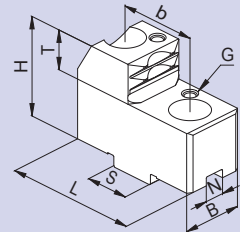
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNCV 250 KTNC 280 KTNC 315 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F



SMW-AUTOBLOK
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SMW-AUTOBLOK
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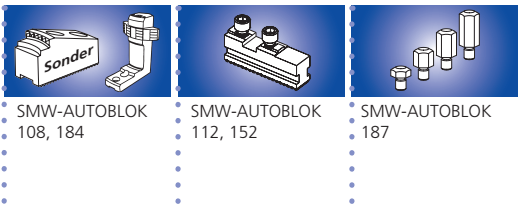
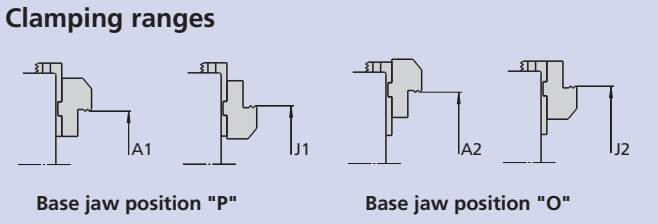
GGK

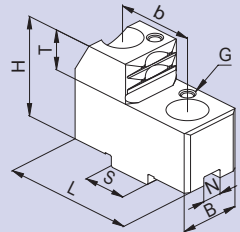
Hard roughing jaws for SMW-AUTOBLOK chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/Set	SMW-AUTOBLOK	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KNCS-N 140	25-53	125-162	-	-
GGK 1752	012465								68	0.92		36-56	128-168	-	-
GGK 1753	012466								60	0.88		55-81	101-135	-	-
GGK 1754	012467								56	0.80		80-105	75-109	-	-
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KNCS-N 170	25-62	133-171	33-80	155-190
GGK 1753	012466								60	0.88	KNCS-2G 170	52-89	107-145	70-107	125-163
GGK 1754	012467								56	0.80	HG-N 160	77-115	81-118	95-133	99-137
											HG-F 160				
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KNCS-N 210	29-59	187-252	36-87	-
GGK 2002	012470								66	1.28	KNCS-NB 210	57-122	121-186	94-150	158-215
GGK 2003	012471								66	1.19	KNCS-2G 210	93-149	85-140	131-187	122-178
GGK 2004	012472		40	15					87	1.39	HG-N 210	152-208	62-100	189-246	72-137
											HG-F 210				
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KNCS-N 225	30-69	-	45-106	-
GGK 2002	012470								66	1.28	KNCS-NB 225	67-132	131-197	105-170	169-235
GGK 2003	012471								66	1.19	KNCS-2G 225	104-169	95-160	141-207	134-199
GGK 2004	012472		40	15					87	1.39		-	68-110	-	74-148
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 260	45-85	197-274	61-148	254-342
GGK 2502	012474								72	2.08	KNCS-NB 260	78-154	132-208	141-218	195-272
GGK 2503	012475								78	2.19	KNCS-2G 260	107-184	109-175	159-247	152-238
GGK 2504	012476								110	2.88	HG-N 260	-	-	-	80-156
											HG-F 260				
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 275	49-100	201-289	65-163	258-357
GGK 2502	012474								72	2.08		82-169	136-223	145-233	199-287
GGK 2503	012475								78	2.19		111-199	113-190	163-262	156-253
GGK 2504	012476								110	2.88		-	-	-	84-171
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 325	40-126	207-320	104-214	295-406
GGK 2502	012474								72	2.08	KNCS-NB 325	86-196	138-248	173-284	225-336
GGK 2503	012475								78	2.19	KNCS-2G 325	115-226	109-218	203-314	196-306
GGK 2505	012477		43	15					98	2.49	HG-N 315	197-285	78-164	261-371	139-249
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 340	60-126	236-326	-	326-396
GGK 2502	012474								72	2.08		116-201	-	196-288	-
GGK 2503	012475								78	2.19		-	136-236	232-318	-
GGK 2504	012476								110	2.88		-	108-186	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	KNCS-N 400	78-188	258-378	143-263	333-453
GGK 4002	012479								91	3.58	KNCS-NB 400	-	140-263	258-378	-
GGK 4003	012480								147	5.50	KNCS-2G 400	-	118-243	-	-
											HG-N 400				
											HG-2G 400				
											HG-F 315				
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS-N 500	100-210	280-420	210-350	415-560
GGK 5002	012482								108	6.67	KNCS-2G 500	-	155-295	330-470	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	KNCS-NB 500	-	100-240	-	-
											HG-N 500				
											HG-2G 500				
											HG-F 400				
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS-N 630	80-240	265-450	240-440	460-650
GGK 5002	012482								108	6.67	KNCS-NB 630	-	140-320	380-560	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	KNCS-2G 630	-	100-240	-	-
											HG-N 630				
											HG-2G 630				

* Clamping range valid for chuck type KNCS-N, KNCS-NB and KNCS-2G





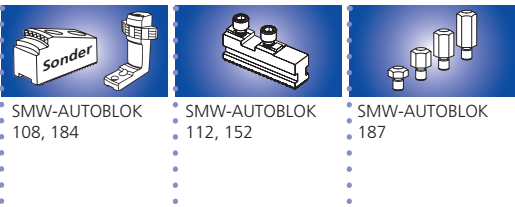
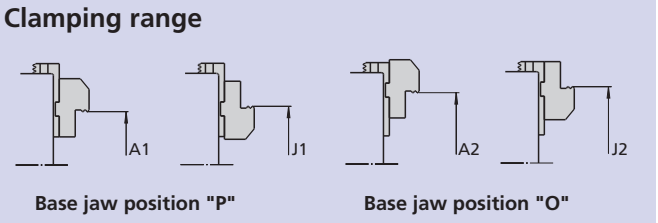
GGK

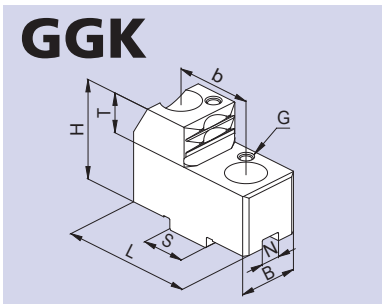
Hard roughing jaws for SMW-AUTOBLOK chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/Set	SMW	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KNCS 175	25-58			
GGK 1752	012465								68	0.92			138-168	38-72	
GGK 1753	012466								60	0.88			110-140	68-100	
GGK 1754	012467								56	0.80			80-112	96-130	
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KNCS 200			35-78	
GGK 2002	012470								66	1.28	KNCS 210	60-100	125-165	95-135	160-200
GGK 2003	012471								66	1.19			88-130	130-172	
GGK 2004	012472		40	15					87	1.39					62-106
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 250	40-64	190-250	64-128	252-310
GGK 2502	012474								72	2.08			120-190	128-195	
GGK 2503	012475								78	2.19			104-150	160-224	
GGK 2504	012476								110	2.88					75-125
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 260	40-75	193-266	65-135	255-330
GGK 2502	012474								72	2.08			123-195	134-207	
GGK 2503	012475								78	2.19			102-174	163-237	
GGK 2504	012476								110	2.88					70-142
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 315	49-95	202-288	95-180	288-370
GGK 2503	012475								78	2.19			102-202	180-280	
GGK 2505	012477		43	15					98	2.49			82-150		
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 315-91	45-110	210-200	110-200	300-370
GGK 2503	012475								78	2.19			110-210	200-290	
GGK 2505	012477		43	15					98	2.49			82-160		
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	KNCS 400	50-160	230-350	115-235	305-425
GGK 4002	012479								91	3.58			112-235	230-350	
GGK 4003	012480								147	5.50			90-215		
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS 500	80-190	260-400	170-310	375-520
GGK 5002	012482								108	6.67			135-275	290-430	
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96			100-220		
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS 630	80-240	265-450	240-440	460-650
GGK 5002	012482								108	6.67			140-320	380-560	
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96			100-220	-	-

* Clamping range valid for chuck type KNCS





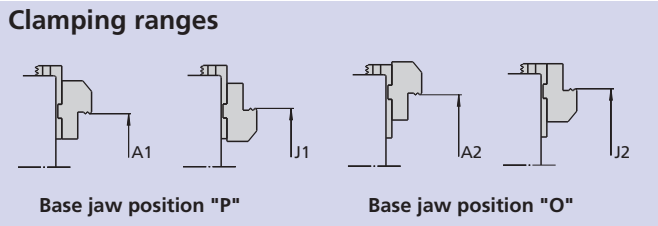
GGK

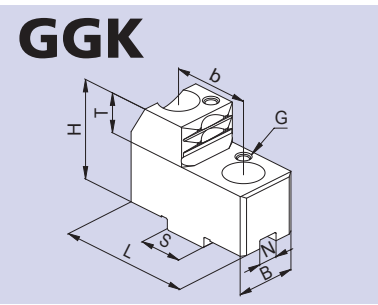
Hard roughing jaws for Forkardt chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/Set	Forkardt	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	3 KTNC 160	25-38	-	-	-
GGK 1752	012465								68	0.92	KTNCV 160	-	135-150	45-72	-
GGK 1753	012466								60	0.88	F 160	-	105-122	72-102	-
GGK 1754	012467								56	0.80	F+160	-	78-94	102-128	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	3 KTNC 200	-	-	38-65	-
GGK 2002	012470								66	1.28	F 200	52-78	120-140	95-125	160-190
GGK 2003	012471								66	1.19	F+200	-	82-105	130-160	-
GGK 2004	012472		40	15					87	1.39	-	-	-	65-95	-
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	3 KTNC 250	-	180-216	72-102	262-290
GGK 2502	012474								72	2.08	F 250	-	120-150	140-172	-
GGK 2503	012475								78	2.19	F+250	-	104-120	170-202	-
GGK 2504	012476								110	2.88	-	-	-	80-108	-
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	3 KTNC 280	38-52	190-242	74-128	262-310
GGK 2502	012474								72	2.08	-	-	120-174	142-195	-
GGK 2505	012477		43	15					98	2.49	-	-	-	78-130	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	3 KTNC 360	50-110	220-300	105-190	295-380
GGK 4002	012479								91	3.58	F 315	140-225	110-185	220-305	-
GGK 4003	012480								147	5.50	F+315	-	90-215	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	3 KTNC 500	70-190	245-400	150-310	370-520
GGK 5002	012482								108	6.67	F+400	150-310	130-275	280-430	244-400
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	F 500 L	-	110-220	-	-
											F+500 L	-	-	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	3 KTNC 630	70-300	225-510	150-420	360-630
GGK 5002	012482								108	6.67	-	150-430	140-390	270-550	244-520
GGK 5003	012483	50	56	25					136	4.96	-	-	100-220	-	-

* Clamping ranges subjected to technical changes





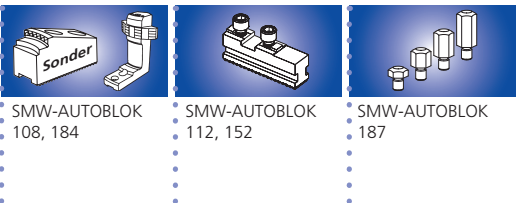
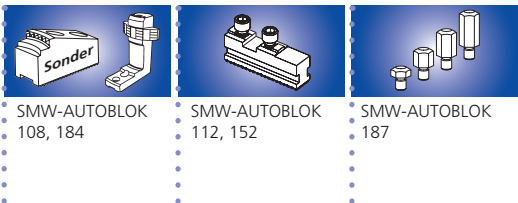
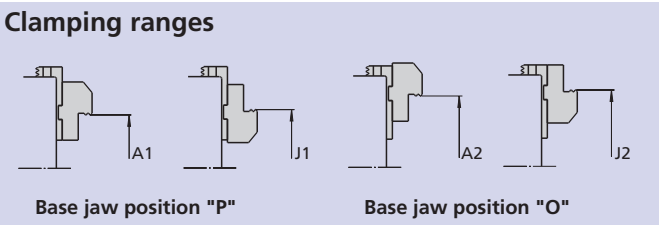
GGK

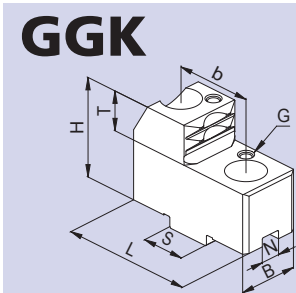
Hard roughing jaws for Forkardt chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/Set	Forkardt	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KTNCV 175	30-80	-	-	-
GGK 1752	012465								68	0.92	FNC 175	-	126-190	48-110	160-220
GGK 1753	012466								60	0.88	-	-	-	80-140	142-202
GGK 1754	012467								56	0.80	-	-	84-148	104-166	118-180
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KTNCV 200	44-106	-	-	-
GGK 2002	012470								66	1.28	FNC 200	58-120	120-180	100-162	172-234
GGK 2003	012471								66	1.19	-	96-158	90-152	142-204	136-198
GGK 2004	012472		40	15					87	1.39	-	-	55-95	-	65-95
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KTNCV 250	40-90	200-285	80-170	272-360
GGK 2502	012474								72	2.08	FNC 250	75-163	128-216	150-238	220-308
GGK 2503	012475								78	2.19	-	95-183	102-190	172-260	172-260
GGK 2504	012476								110	2.88	-	-	75-100	-	88-176
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KTNC 315	40-118	200-320	80-200	275-395
GGK 2502	012474								72	2.08	KTNCV 315	65-185	125-245	150-270	202-322
GGK 2505	012477		43	15					98	2.49	FNC 315	-	73-190	180-300	170-290
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	KTNC 400	50-180	220-340	100-265	315-425
GGK 4002	012479								91	3.58	KTNCV 400	140-260	120-220	220-340	185-305
GGK 4003	012480								147	5.50	FNC 400	-	95-215	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KTNCV 500	60-235	255-440	160-350	375-560
GGK 5002	012482								108	6.67	FNC 500	-	-	280-470	255-445
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	-	-	110-280	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KTNCV 630	60-335	225-525	160-460	375-675
GGK 5002	012482								108	6.67	-	-	-	280-580	255-555
GGK 5003	012483	50	56	25					136	4.96	-	110-380	-	-	-

* Clamping ranges subjected to technical changes





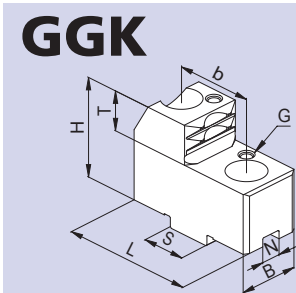
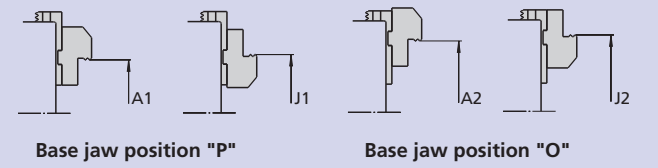
Hard roughing jaws
for Samchully chucks
with quick jaw change

■ Tongue & groove
■ For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Samchully	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	QJC-206	25-62	133-171	33-80	155-190
GGK 1752	012465								68	0.92		32-61	134-172	42-79	153-181
GGK 1753	012466								60	0.88		52-89	107-145	70-107	125-163
GGK 1754	012467								56	0.80		77-115	81-118	95-133	99-137
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	QJC-208	30-69	-	45-106	-
GGK 2002	012470								66	1.28		67-132	131-197	105-170	169-235
GGK 2003	012471								66	1.19		104-169	95-160	141-207	134-199
GGK 2004	012472		40	15					87	1.39		-	68-110	-	74-148
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJC-210	45-85	197-274	61-148	254-342
GGK 2502	012474								72	2.08		78-154	132-208	141-218	195-272
GGK 2503	012475								78	2.19		107-184	109-175	159-247	152-238
GGK 2504	012476								110	2.88		-	-	-	80-156
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJC-212	40-126	207-320	104-214	295-406
GGK 2502	012474								72	2.08		86-196	138-248	173-284	225-336
GGK 2503	012475								78	2.19		115-226	109-218	203-314	196-306
GGK 2505	012477		43	15					98	2.49		197-285	78-164	261-371	139-249
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	QJC-215	78-188	258-378	143-263	333-453
GGK 4002	012479								91	3.58		-	140-263	258-378	-
GGK 4003	012480								147	5.50		-	118-243	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	QJC-220	100-210	280-420	210-350	415-560
GGK 5002	012482								108	6.67		-	155-295	330-470	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-240	-	-

* Clamping ranges subjected to technical changes

Clamping ranges



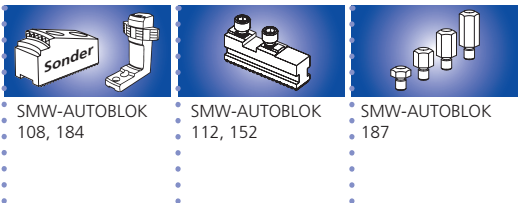
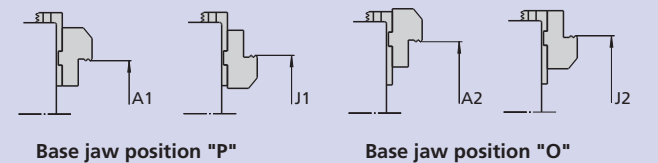
Hard roughing jaws
for Kitagawa chucks
with quick jaw change

■ Tongue & groove
■ For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Kitagawa	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	QJ 306	25-62	133-171	33-80	155-190
GGK 1753	012466								60	0.88		32-61	134-172	42-79	153-181
GGK 1754	012467								56	0.80		52-89	107-145	70-107	125-163
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	QJ 308 QJ 8"	30-69	-	45-106	-
GGK 2002	012470								66	1.28		67-132	131-197	105-170	169-235
GGK 2003	012471								66	1.19		104-169	95-160	141-207	134-199
GGK 2004	012472		40	15					87	1.39		-	68-110	-	74-148
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJ 310 QJ 10"	45-85	197-274	61-148	254-342
GGK 2502	012474								72	2.08		78-154	132-208	141-218	195-272
GGK 2503	012475								78	2.19		107-184	109-175	159-247	152-238
GGK 2504	012476								110	2.88		-	-	-	80-156
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJ 312 QJ 12"	34-100	210-300	-	300-370
GGK 2502	012474								72	2.08		90-175	-	170-262	-
GGK 2503	012475								78	2.19		-	110-210	206-292	-
GGK 2505	012477		43	15					98	2.49		-	82-150	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	QJ 15	78-188	258-378	143-263	333-453
GGK 4002	012479								91	3.58		-	140-263	258-378	-
GGK 4003	012480								147	5.50		-	118-243	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	QJ 21	100-210	280-420	210-350	415-560
GGK 5002	012482								108	6.67		-	155-295	330-470	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-240	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	QJ 24	80-240	265-450	240-440	460-650
GGK 5002	012482								108	6.67		-	140-320	380-560	-

* Clamping ranges subjected to technical changes

Clamping ranges



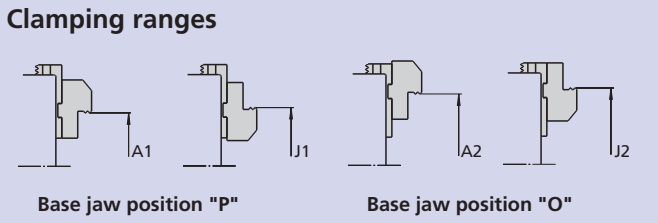
GGK

Hard roughing jaws for Röhms chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Röhms	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	Duro-NC 160	28-70	-	-	-
GGK 1752	012465								68	0.92	Duro-NCE 160	-	138-180	50-100	-
GGK 1753	012466								60	0.88	Duro 160	-	110-150	85-135	-
GGK 1754	012467								56	0.80		-	85-120	110-160	-
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	Duro-NC 175	36-78	-	-	-
GGK 1752	012465								68	0.92	Duro-NCES 175	-	146-188	58-108	-
GGK 1753	012466								60	0.88		-	118-158	93-143	-
GGK 1754	012467								56	0.80		-	93-128	118-168	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	Duro-NC 200	-	-	28-75	-
GGK 2002	012470								66	1.28	Duro-NCE 200	55-130	125-195	100-180	170-240
GGK 2003	012471								66	1.19	Duro 200	-	90-160	140-210	-
GGK 2004	012472		40	15					87	1.39	Duro-NCES 200	-	55-100	-	-
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	Duro-NC 250	38-95	195-280	80-160	270-300
GGK 2502	012474								72	2.08	Duro-NCE 250	-	125-205	145-225	-
GGK 2503	012475								78	2.19	Duro 250	-	110-180	180-260	-
GGK 2504	012476								110	2.88	Duro-NCES 250	-	-	-	80-170
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	Duro-NCE 315	66-139	223-324	108-204	298-344
GGK 2502	012474								72	2.08	Duro-NCES 315	-	153-249	173-269	-
GGK 2503	012475								78	2.19		-	138-224	208-304	-
GGK 2504	012476								110	2.88		-	-	-	108-214
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	Duro-NC 315	50-150	220-330	120-220	-
GGK 4002	012479								91	3.58	Duro 315	-	110-220	220-320	-
GGK 4003	012480								147	5.50		-	85-200	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	Duro-NCE 400	128-206	298-386	198-276	-
GGK 4002	012479								91	3.58		-	188-276	298-376	-
GGK 4003	012480								147	5.50		-	163-256	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	Duro-NC 400	65-175	260-380	165-285	380-430
GGK 5002	012482								108	6.67	Duro 400	-	140-260	285-400	-
GGK 5003	012483								136	4.96		-	105-200	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	Duro-NCE 500	101-289	-	-	436-604
GGK 5002	012482								108	6.67		-	296-494	221-404	-
GGK 5003	012483								136	4.96		-	176-374	346-534	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	Duro-NC 500	65-235	260-440	185-350	400-550
GGK 5002	012482								108	6.67	Duro 500	-	140-320	310-480	-

* Clamping ranges subjected to technical changes



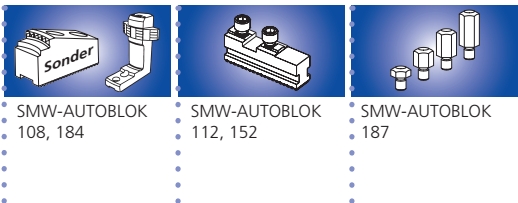
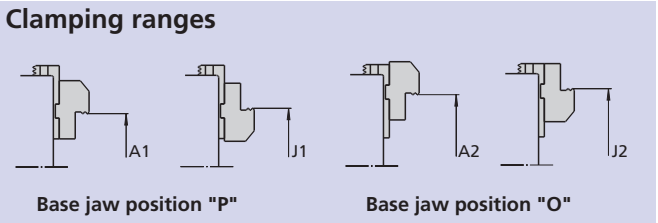
GGK

Hard roughing jaws for Schunk chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Schunk	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	ROTA-S plus 160	25-50	-	-	-
GGK 1752	012465								68	0.92	ROTA THW 165	-	133-160	38-67	-
GGK 1753	012466								60	0.88	ROTA THW plus 165	-	105-134	66-95	-
GGK 1754	012467								56	0.80	ROTA-G 160	-	78-106	95-125	-
											THW 165				
											ROTA-S 160				
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	ROTA-S plus 200	30-55	185-230	45-94	-
GGK 2002	012470								66	1.28	ROTA THW 210	60-110	130-178	100-145	165-215
GGK 2003	012471								66	1.19	ROTA THW plus 215	100-150	90-135	140-185	130-175
GGK 2004	012472		40	15					87	1.39	ROTA-G 200	-	55-84	-	70-120
											THW 210R/F				
											ROTA-S 200				
											ROTA NCWF 210				
											ROTA THWB 210				
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	ROTA THW 315	35-70	200-265	65-138	265-330
GGK 2502	012474								72	2.08	ROTA-THW 250	80-145	130-195	143-205	190-260
GGK 2503	012475								78	2.19	ROTA THW plus 260	110-175	100-165	174-237	165-230
GGK 2504	012476								110	2.88	ROTA-G 250	-	-	-	80-145
											THW 250/265-R/F				
											ROTA NCW 265				
											ROTA-S 250				
											ROTA-NCWF 250				
											ROTA THWB 265				
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	ROTA THW 315	40-92	205-280	94-179	294-370
GGK 2502	012474								72	2.08	ROTA THW plus 315	85-161	135-210	170-249	219-300
GGK 2503	012475								78	2.19	ROTA-G 315	115-190	105-180	203-278	194-270
GGK 2505	012477		43	15					98	2.49	ROTA-NCW 315	-	85-150	-	-
											ROTA- NCWF 315				
											THW 315-R				
GGK 4001 ¹	012478	50	55	25	M8	12	26	54	104	4.01	ROTA-S plus 315	50-162	230-350	118-240	305-430
GGK 4002 ¹	012479								91	3.58	ROTA THW 400	162-283	110-230	240-360	190-308
GGK 4003 ¹	012480								147	5.50	THW 400-R/F	-	100-220	-	-
											ROTA-G 400				
											ROTA-S 315				
											ROTA THWB 315				
											THW 315-F				
GGK 5001 ²	012481	60	74	35	M8	18	30	60	125	7.58	ROTA-S plus 400	80-190	260-400	170-310	380-520
GGK 5002 ²	012482								108	6.67	ROTA-S plus 500	170-310	140-280	265-405	260-400
GGK 5003 ²	012483	50	56	25	M8	18	30	60	136	4.96	ROTA THW 500	-	100-210	-	-
											ROTA-G 500				
											ROTA-S 400/500				
											THW 500-R/F				
											ROTA THWB 400				
											ROTA THWB 500				
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	ROTA THW 630	80-230	260-445	220-430	430-640
GGK 5002	012482								108	6.67	THW 630-R	170-350	140-325	315-525	310-520
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-250	-	-

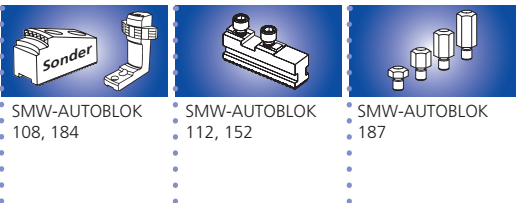
- ¹ Clamping range only for chucks Ø 400
² Clamping range only for chucks Ø 500
* Clamping ranges subjected to technical changes



SMW-AUTOBLOK
108, 184

SMW-AUTOBLOK
112, 152

SMW-AUTOBLOK
187



SMW-AUTOBLOK
108, 184

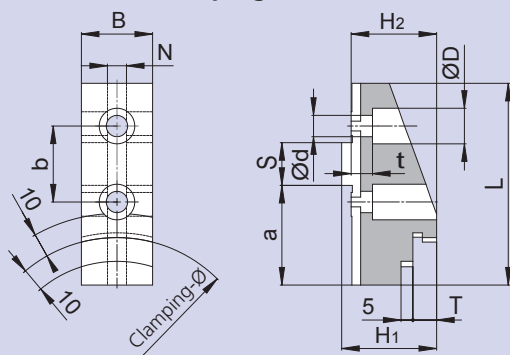
SMW-AUTOBLOK
112, 152

SMW-AUTOBLOK
187

Hard special jaws to customer request

- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Hard top jaws for external clamping with smooth clamping surface



Dimensions

a		mm	L		mm
b		mm	N		mm
B		mm	S		mm
d		mm	t		mm
D		mm	T		mm
H1		mm	Clamping-Ø		mm
H2		mm	Workpiece-Ø		mm

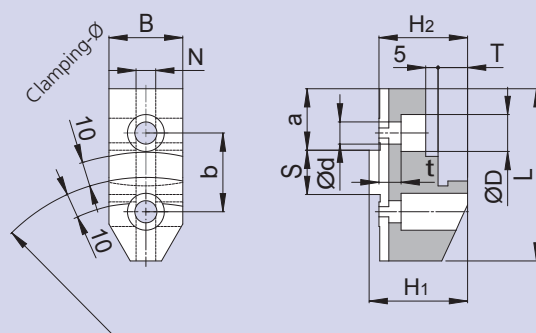
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaws for internal clamping with smooth clamping surface



Dimensions

a		mm	L		mm
b		mm	N		mm
B		mm	S		mm
d		mm	t		mm
D		mm	T		mm
H1		mm	Clamping-Ø		mm
H2		mm	Workpiece-Ø		mm

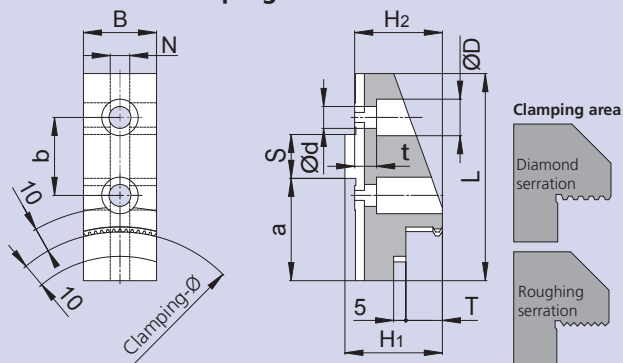
Material

Quantity in pieces

Chuck manufacturer

Chuck type + size

Hard top jaws for external clamping with serrated clamping surface



Dimensions

a		mm	L		mm
b		mm	N		mm
B		mm	S		mm
d		mm	t		mm
D		mm	T		mm
H1		mm	Clamping-Ø		mm
H2		mm	Workpiece-Ø		mm

Clamping area (please mark)

Diamond serration

Roughing serration

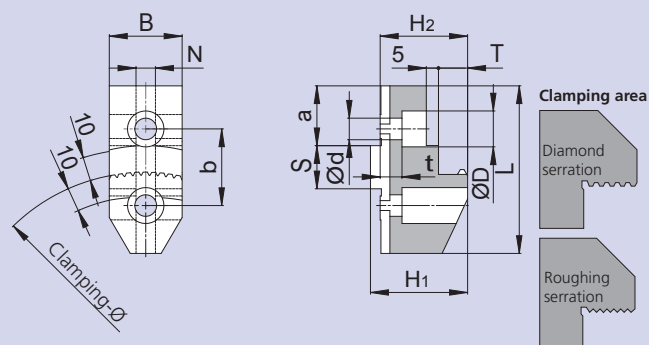
Material

Quantity in pieces

Futterhersteller

Chuck type + size

Hard top jaws for internal clamping with serrated clamping surface



Dimensions

a		mm	L		mm
b		mm	N		mm
B		mm	S		mm
d		mm	t		mm
D		mm	T		mm
H1		mm	Clamping-Ø		mm
H2		mm	Workpiece-Ø		mm

Clamping area (please mark)

Diamond serration

Roughing serration

Material

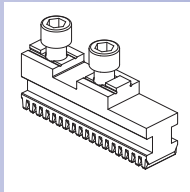
Quantity in pieces

Chuck manufacturer

Chuck type + size

Jaws for quick jaw change chucks – System SMW

SMW-AUTOBLOK | Forkardt | Samchully | Kitagawa | Röhme | Schunk (Page 1 / 2)

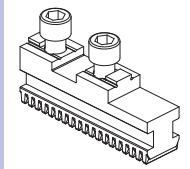


GBK

Hard base jaws

- Modular serration straight system SMW
- For quick jaw change

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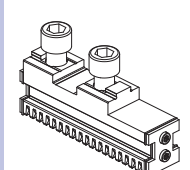
GBKS

With 1/2 tooth pitch offset

Hard base jaws

- Modular serration straight system SMW
- For quick jaw change

Page 114

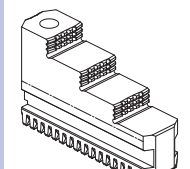


GBK-2G

Hard base jaws with sealing

- Modular serration straight system SMW
- For quick jaw change

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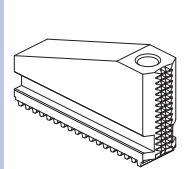


GST

Hard stepped monoblock jaws

- Modular serration straight system SMW
- For quick jaw change

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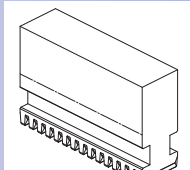


GES

Hard monoblok roughing jaws

- Modular serration straight system SMW
- For quick jaw change

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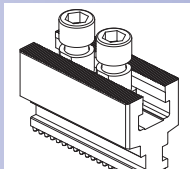
UVB

Quenched 15CrNi6

Monoblock jaws

- Modular serration straight system SMW
- For quick jaw change

Page 122

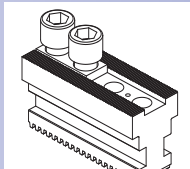


KOB

Kombi base jaws

- Modular serration straight system SMW for INCH SERRATION
- For quick jaw change

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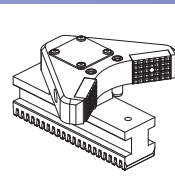
KLG-D

KLG-M

Kombi base jaws

- Modular serration straight system SMW for INCH / METRIC SERRATION
- For quick jaw change

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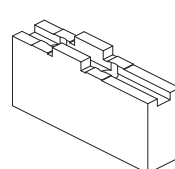
PJC

For 6-point clamping

Pendulum jaw complete

- Modular serration straight system SMW
- For quick jaw change
- Modular system
- Sealed against contamination

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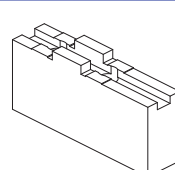
WAK

Standard 16MnCr5

Soft top jaw

- Tongue & groove
- For quick jaw change

Page 130



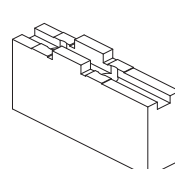
WAKS

Wide version 16MnCr5

Soft top jaw

- Tongue & groove
- For quick jaw change

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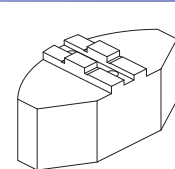
WAK-A

Light version Aluminium F50

Soft top jaw aluminium

- Tongue & groove
- For quick jaw change

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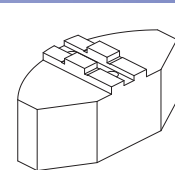
SBK

16MnCr5

Soft pie jaws

- Tongue & groove
- For quick jaw change

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SBK-A

Light version Aluminium F50

Soft pie jaws aluminium

- Tongue & groove
- For quick jaw change

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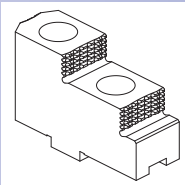
Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

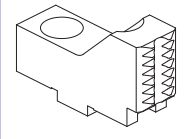
Continuation
on the next page



Page 140

GUA
Reversible
Hard, reversible jaws

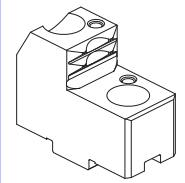
- Tongue & groove
- For quick jaw change
- For internal and external clamping



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GSK
Hard bar roughing jaws

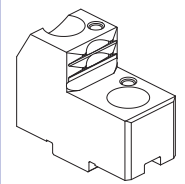
- Tongue & groove
- For quick jaw change
- For external clamping



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GGK
For SMW-AUTOBLOK
Hard roughing jaws

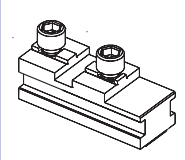
- Tongue & groove
- For quick jaw change
- For internal and external clamping



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GGK
For Schunk chucks
Hard roughing jaws

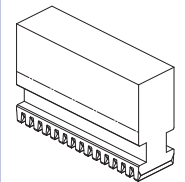
- Tongue & groove
- For quick jaw change
- For internal and external clamping



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GBK-B
Wide version
For SMW-AUTOBLOK KNCS-NB(X), HG-NB
Hard base jaws

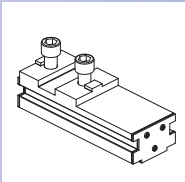
- Tongue & groove
- Modular serration straight system SMW
- For quick jaw change



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UVB-B
Wide version
For SMW-AUTOBLOK KNCS-NB(X), HG-NB
Monoblock jaws

- Modular serration straight system SMW
- For quick jaw change



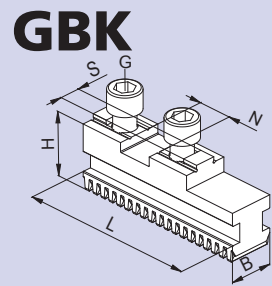
Page 148

GBK-B-2G
Wide version
For SMW-AUTOBLOK HG-B-2G
Hard base jaws with sealing

- Tongue & groove
- Modular serration straight system SMW
- For quick jaw change

Safety advice:
Top jaws are safety components, which can be under high load depending on their use.
Max grip forces and speeds must not be exceeded at any time.
For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.



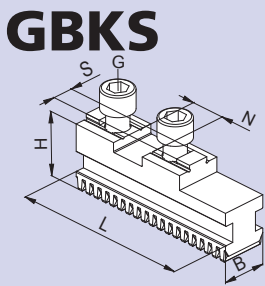


Hard base jaws
for quick jaw change

- Modular serration straight System SMW
- Incl. jaw mounting bolts ISO 4762 – 12.9

Type	Id. No.	B	H	L	N	S	G x tapped hole	kg/ Set	SMW-AUTOBLOK
GBK 140	012438	20	27.5	56	18	8	M8 x 13	0.60	KNCS-N 140
GBK 160	012439	20	27.5	65	18	8	M8 x 13	0.67	KNCS-N 170 HG-N 160
GBK 200	012440	22	29.5	85	20	10	M8 x 13	1.03	KNCS-N 210 KNCS-N 225 HG-N 210
GBK 250	012441	26	37	104	20	12	M12 x 17	1.89	KNCS-N 260 HG-N 260 KNCS-N 275
GBK 315	012442	32	43	115	20	12	M12 x 17	2.79	KNCS-N 325 HG-N 315 KNCS-N 340
GBK 400	012443	32	43	125	26	12	M12 x 17	3.06	KNCS-N 400 HG-N 400
GBK 500	012444	45	57	160	30	18	M16 x 34	7.69	KNCS-N 500 HG-N 500
GBK 630	012445	45	57	200	30	18	M16 x 34	9.31	KNCS-N 630 HG-N 630

Samchully	Kitagawa	Röhm	Schunk
	QJ 306	DURO-NCES 175	ROTA THW 165 ROTA THW plus 165/185 ROTA NCW 185 ROTA-G 160 THW 165
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
			ROTA-THW 250
	QJ 310	DURO-NCES 250	ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312	DURO-NCES 315	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R
	QJ 15	DURO-NCES 400	ROTA THW 400 THW 400-R ROTA-G 400
	QJ 21		ROTA THW 500 THW 500-R ROTA-G 500
	QJ 24		ROTA THW 630 THW 630-R ROTA THW 800



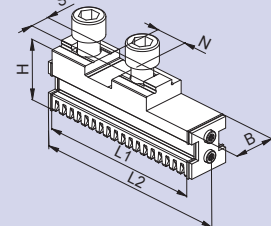
Hard base jaws
for quick jaw change

- Modular serration straight with 1/2 tooth pitch offset System SMW
- Incl. jaw mounting bolts ISO 4762 – 12.9

Type	Id. No.	B	H	L	N	S	G x tapped hole	kg/ Set	SMW-AUTOBLOK
GBKS 140	013733	20	27.5	56	18	8	M8 x 13	0.62	KNCS-N 140
GBKS 160	013735	20	27.5	65	18	8	M8 x 13	0.66	KNCS-N 170 HG-N 160
GBKS 200	013737	22	29.5	85	20	10	M8 x 13	1.01	KNCS-N 210 KNCS-N 225 HG-N 210
GBKS 250	013739	26	37	104	20	12	M12 x 17	1.87	KNCS-N 260 HG-N 260 KNCS-N 275
GBKS 315	013741	32	43	115	20	12	M12 x 17	2.77	KNCS-N 325 HG-N 315 KNCS-N 340
GBKS 400	013743	32	43	125	26	12	M12 x 17	3.04	KNCS-N 400 HG-N 400

Samchully	Kitagawa	Röhm	Schunk
	QJ 306	DURO-NCES 175	ROTA THW 165 ROTA THW plus 165/185 ROTA NCW 185 ROTA-G 160 THW 165
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312	DURO-NCES 315	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R
	QJ 15	DURO-NCES 400	ROTA THW 400 THW 400-R ROTA-G 400

GBK-2G

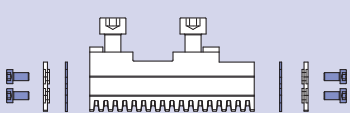


Hardened base jaws
for quick jaw change

■ Consisting of 1 set (3 pieces) base jaws GBK-2G with
seals and mounting screws for top jaws (6 pieces)

Type	Id. No.	B	H	L1	L2*	N	S	kg/ Set	SMW-AUTOBLOK
GBK-2G 170	162390	20	27.5	63.5	73.6	20	10	0.7	KNCS-2G 170
GBK-2G 200	161520	22	29.5	82	92.2	20	10	1.0	KNCS-2G 210 KNCS-2G 225 KNCS-2G 260
GBK-2G 250	161540	26	37	101	111.2	20	12	1.8	KNCS-2G 325
GBK-2G 315	161329	32	43	112	122.2	20	12	2.7	KNCS-2G 325
GBK-2G 400	161605	32	43	123	133.2	26	12	3.0	HG-2G 400 KNCS-2G 400 HG-2G 500 KNCS-2G 500 HG-2G 630 KNCS-2G 630
GBK-2G 500	161843	45	57	157.5	167.1	30	18	7.7	
GBK-2G 630	161846	45	57	199.5	209.7	30	18	9.5	

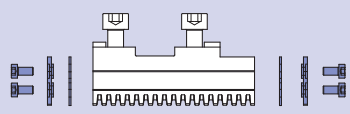
* Dimensions incl. seals, cover and screws



Seal kit
for hardened base jaws GBK-2G

■ Consisting of seals (6 piece)
and mounting screws (12 pieces)

Type	Id. No.	SMW-AUTOBLOK
GBK-2G 170	207495	KNCS-2G 170
GBK-2G 200	205382	KNCS-2G 210 KNCS-2G 225 KNCS-2G 260
GBK-2G 250	205383	KNCS-2G 260
GBK-2G 315	205384	KNCS-2G 325
GBK-2G 400	205384	HG-2G 400 KNCS-2G 400
GBK-2G 500	206915	HG-2G 500 KNCS-2G 500
GBK-2G 630	206915	HG-2G 630 KNCS-2G 630



Mounting kit
for hardened base jaw GBK-2G

■ Consisting of seals (6 pieces), covers (6 pieces)
and mounting screws (12 pieces)

Type	Id. No.	SMW-AUTOBLOK
GBK-2G 170	207496	KNCS-2G 170
GBK-2G 200	205386	KNCS-2G 210 KNCS-2G 225 KNCS-2G 260
GBK-2G 250	205387	KNCS-2G 260
GBK-2G 315	205388	KNCS-2G 325
GBK-2G 400	205388	HG-2G 400 KNCS-2G 400
GBK-2G 500	206916	HG-2G 500 KNCS-2G 500
GBK-2G 630	206916	HG-2G 630 KNCS-2G 630

Important for maintenance and safe operation,
to be ordered with the chuck

Grease K05®

Special grease for
manual and power chucks



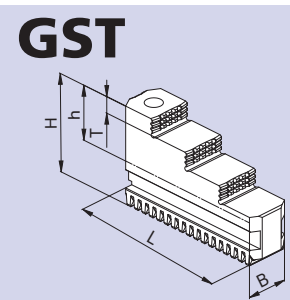
- High adhesion
- High resistance against coolant
- High load bearing capacity
- Low friction coefficient
- High gripping force
- Avoids tribocorrosion

Grease gun

Grease gun (DIN 1283) for
cartridges 14 Oz. (DIN 1284).
■ Also refillable from grease can 1000 g.



Lubrication set Id. No. 083726
Supply range
■ Grease gun
■ 1 Adapter flexible for high pressure grease nipple
■ 1 Adapter for cone grease nipple



Hard stepped monoblock jaws
for quick jaw change

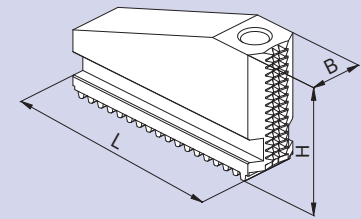
■ Modular serration straight System SMW

Type	Id. No.	B	H	h	L	T	kg/ Set	SMW-AUTOBLOK
GST 160-1*	014046	20	43.5	22	58	7	0.72	KNCS-N 140 HG-N 160
GST 160-2*	012454	20	43.5	22	58	7	0.71	KNCS-N 140 HG-N 160
GST 170	035867	20	43.5	22	67	7	0.82	KNCS-N 170
GST 210	035863	22	51	26	84	8	1.40	KNCS-N 210 KNCS-N 225 HG-N 210
GST 260	037623	26	60	31.3	100	10	2.23	KNCS-N 260 KNCS-N 275 HG-N 260
GST 315	012457	32	66	32	116.2	10	3.48	KNCS-N 325 KNCS-N 340 HG-N 315
GST 400	012458	32	70	36	136.4	11	4.40	KNCS-N 400 HG-N 400
GST 500	012459	45	93	46	175	20	11.47	KNCS-N 500 KNCS-N 630 HG-N 500 HG-N 630

* To cover the whole range 2 sets of stepped jaws are needed.

Samchully	Kitagawa	Röhm	Schunk
			ROTA NCW 185 THW 165 ROTA THW plus 165 ROTA THW 165 ROTA NCW 185 THW 165 ROTA THW plus 165 ROTA THW 165
	QJ 306	DURO-NCES 175	ROTA THW plus 185 ROTA-G 160
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312	DURO-NCES 315	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R
	QJ 15	DURO-NCES 400	ROTA THW 400 THW 400-R ROTA-G 400
	QJ 21 QJ 24		ROTA THW 500/630 THW 500/630-R ROTA-G 500

GES



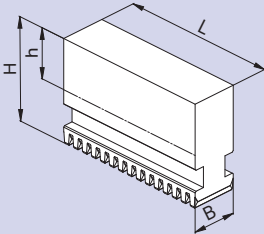
Hard, monoblok roughing jaws
for quick jaw change

■ Modular serration straight System SMW

Type	Id. No.	B	H	L	kg/ Set	SMW-AUTOBLOK
GES 175	012460	20	43.5	69	0.90	KNCS-N 170 HG-N 160
GES 200	012461	22	51	90	1.58	KNCS-N 210 KNCS-N 225 HG-N 210
GES 250	012462	26	60	90	2.34	KNCS-N 260 KNCS-N 275 HG-N 260
GES 315	012463	32	66	132	4.31	KNCS-N 325 KNCS-N 340 KNCS-N 400 HG-N 315 HG-N 400

Samchully	Kitagawa	Röhm	Schunk
	QJ 306	DURO-NCES 175	ROTA THW 165 ROTA THW plus 165/185 ROTA NCW 185 ROTA-G 160 THW 165
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312 QJ 15	DURO-NCES 315 DURO-NCES 400	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R ROTA-THW 400 THW 400-R ROTA-G 400

UVB

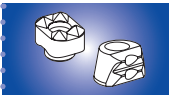


Soft monoblock jaws
for quick jaw change

- Modular serration straight System SMW
- Material: 15CrNi6, quenched 800 N/mm²

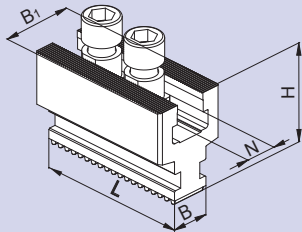
Type	Id. No.	B	H	h	L	kg/ Set	SMW-AUTOBLOK
UVB 140	012446	20	60	39.4	59.5	1.52	KNCS-N 140
UVB 160/170	012447	20	60	39.4	69	1.77	KNCS-N 170 HG-N 160
UVB 200	012448	22	70	45	83	2.76	KNCS-N 210 KNCS-N 225 HG-N 210
UVB 250	012449	26	90	61	108	5.51	KNCS-N 260 HG-N 260 KNCS-N 275
UVB 315	012450	32	100	66	119	8.20	KNCS-N 325 HG-N 315 KNCS-N 340
UVB 400	012451	32	100	66	146.5	10.10	KNCS-N 400 HG-N 400
UVB 500	012452	45	134	87	175	23.12	KNCS-N 500 HG-N 500
UVB 630	012453	45	134	87	230	30.38	KNCS-N 630 HG-N 630

Samchully	Kitagawa	Röhm	Schunk
	QJ 306	DURO-NCES 175	ROTA THW 165 ROTA THW plus 165/185 ROTA NCW 185 ROTA-G 160 THW 165
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312	DURO-NCES 315	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R
	QJ 15	DURO-NCES 400	ROTA THW 400 THW 400-R ROTA-G 400
	QJ 21		ROTA THW 500 THW 500-R ROTA-G 500
	QJ 24		ROTA THW 630 THW 630-R ROTA THW 800



SMW-AUTOBLOK
74

KOB



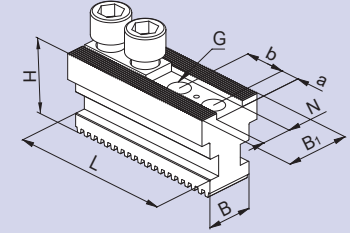
Kombi base jaws
for quick jaw change

- Modular serration straight System SMW for inch serration
- Incl. T-nuts and screw ISO 4762 – 12.9

Type	Id. No.	B	B ₁	H	L	N	Serration	kg/ Set	SMW-AUTOBLOK
KOB 200-1	081323	22	45	56	85	17	1/16" x 90°	2.67	KNCS-N 210 KNCS-N 225 HG-N 210
KOB 250-1	081324	26	45	59.5	104	17	1/16" x 90°	3.63	KNCS-N 260 HG-N 260 KNCS-N 275
KOB 250-2	081325	26	50	67	104	21	1/16" x 90°	4.36	KNCS-N 260 HG-N 260 KNCS-N 275
KOB 315-2	081327	32	50	72	115	21	1/16" x 90°	5.46	KNCS-N 325 HG-N 315 KNCS-N 340
KOB 400-2	081329	32	60	76	125	25.5	3/32" x 90°	7.04	KNCS-N 400 HG-N 400 KNCS-N 315 HG-N 315
KOB 500-2	006474	45	64	84	160	25.5	3/32" x 90°	11.90	KNCS-N 500 HG-N 500 KNCS-N 630

Samchully	Kitagawa	Röhm	Schunk
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312	DURO-NCES 315	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R
	QJ 15	DURO-NCES 400	ROTA THW 400 THW 400-R ROTA-G 400
	QJ 21 QJ 24		ROTA THW 500 THW 500-R ROTA-G 500 ROTA THW 630 THW 630-R ROTA THW 800

KLG-D



Kombi base jaws
for quick jaw change

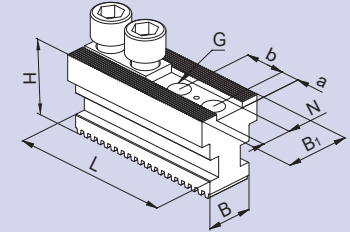
- Modular serration straight System SMW for inch serration
- Incl. jaw mounting bolts ISO 4762 – 12.9 and guide rail

Type	Id. No.	B	B ₁	H	L	N	Serration	G	a	b*	kg/Set	SMW-AUTOBLOK
KLG-D 250-1	081311	26	40	46	86	17	1/16" x 90°	M12	10	22	2.7	KNCS-N 260 HG-N 260 KNCS-N 275
KLG-D 250-2	081312	26	45	50	110	21	1/16" x 90°	M16	13	28	4.2	KNCS-N 260 HG-N 260 KNCS-N 275
KLG-D 315-2	081314	32	45	55	110	21	1/16" x 90°	M16	13	28	4.5	KNCS-N 325 HG-N 315 KNCS-N 400 HG-N 400 KNCS-N 340

* 3 x (4 holes)

Samchully	Kitagawa	Röhm	Schunk
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312 QJ 15	DURO-NCES 315 DURO-NCES 400	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R ROTA THW 400 THW 400-R ROTA-G 400

KLG-M



Kombi base jaws
for quick jaw change

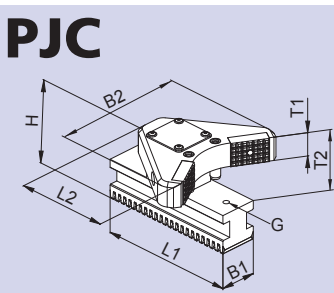
- Modular serration straight System SMW for metric serration
- Incl. jaw mounting bolts ISO 4762 – 12.9 and guide rail

Type	Id. No.	B	B ₁	H	L	N	Serration	G	a	b*	kg/Set	SMW-AUTOBLOK
KLG-M 200	091378	22	40	47	95	14	1.5 x 60°	M12	10	25	2.7	KNCS-N 210 KNCS-N 225 HG-N 210
KLG-M 250	091379	26	40	47	110	16	1.5 x 60°	M12	10	30	4.2	KNCS-N 260 HG-N 260 KNCS-N 275
KLG-M 315	091380	32	50	54	120	18	1.5 x 60°	M14	15	30	4.5	KNCS-N 325 HG-N 315 KNCS-N 400 HG-N 400 KNCS-N 340
KLG-M 315-1**	236526	32	50	57	125	21	1.5 x 60°	M16	17.5	30	4.8	KNCS-N 325 HG-N 315 KNCS-N 400 HG-N 400 KNCS-N 340

* 3 x (4 holes)

** on request

Samchully	Kitagawa	Röhm	Schunk
	QJ 308	DURO-NCES 200	ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R ROTA NCW 225 ROTA THW vario 215
	QJ 310	DURO-NCES 250	ROTA-THW 250 ROTA THW plus 260 ROTA-G 250 THW 250/265-R ROTA NCW 265
	QJ 312 QJ 15	DURO-NCES 315 DURO-NCES 400	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R ROTA THW 400 THW 400-R ROTA-G 400
	QJ 312 QJ 15	DURO-NCES 315 DURO-NCES 400	ROTA-THW 315 ROTA THW plus 315 ROTA-G 315 ROTA NCW 315 THW 315-R ROTA THW 400 THW 400-R ROTA-G 400



Pendulum jaws complete for 6-point clamping for quick jaw change

■ Modular serration straight System SMW

Pendulum jaws set (1 set = 3 pieces)

Type	Id. No./ Set (1 Set = 3 pieces)	Clamping range	L1	L2	B1	B2	H	T1	T2	G	kg/ Set	SMW-AUTOBLOK
PJC 200	5306638	50-90	78	67.9	22	85.1	62	20	37.5	M6	3.33	KNCS-N 210
	5306639	85-140	86.5	64.3	22	107.9	62	20	37.5	M6	3.58	
	5306640	135-170	86.5	61.3	22	134.8	62	20	37.5	M6	3.64	
PJC 200	5306638	50-90	78	67.9	22	85.1	62	20	37.5	M6	3.33	KNCS-N 225
	5306639	85-155	86.5	64.3	22	107.9	62	20	37.5	M6	3.58	
	5306640	120-175	86.5	61.3	22	134.8	62	20	37.5	M6	3.64	
PJC 250	5306641	60-100	93	70.5	26	83.9	68	20	39.5	M6	3.99	KNCS-N 260
	5306642	95-140	93	75.7	26	112.3	68	20	39.5	M6	4.65	
	5306643	135-170	100	84.2	26	150.6	68	20	39.5	M6	5.41	
PJC 250	5306641	65-115	93	70.5	26	83.9	68	20	39.5	M6	3.99	KNCS-N 275
	5306642	100-155	93	75.7	26	112.3	68	20	39.4	M6	4.65	
	5306643	140-185	100	84.2	26	150.6	68	20	39.5	M6	5.41	
PJC 315	5306644	75-115	119	83.0	32	91.3	70	20	36.5	M6	5.18	KNCS-N 325
	5306645	100-160	119	83.7	32	115.6	70	20	36.5	M6	5.26	
	5306646	145-215	119	92.0	32	140.3	70	20	36.5	M6	5.97	
	5306647	180-248	119	83.0	32	163.7	70	20	36.5	M6	6.01	
PJC 200	5306638	50-90	78	67.9	22	85.1	62	20	37.5	M6	3.33	HG-N 210
	5306639	85-135	86.5	64.3	22	107.9	62	20	37.5	M6	3.58	
	5306640	128-160	86.5	61.3	22	134.8	62	20	37.5	M6	3.64	
PJC 250	5306641	60-100	93	70.5	26	83.9	68	20	39.5	M6	3.99	HG-N 260
	5306642	85-126	93	75.7	26	112.3	68	20	39.4	M6	4.65	
	5306643	122-151	100	84.2	26	150.6	68	20	39.5	M6	5.41	
PJC 315	5306644	80-120	119	83.0	32	91.3	70	20	36.5	M6	5.18	HG-N 315
	5306645	115-164	119	83.7	32	115.6	70	20	36.5	M6	5.26	
	5306646	160-207	119	92.0	32	140.3	70	20	36.5	M6	5.97	
	5306647	200-242	119	83.0	32	163.7	70	20	36.5	M6	6.01	

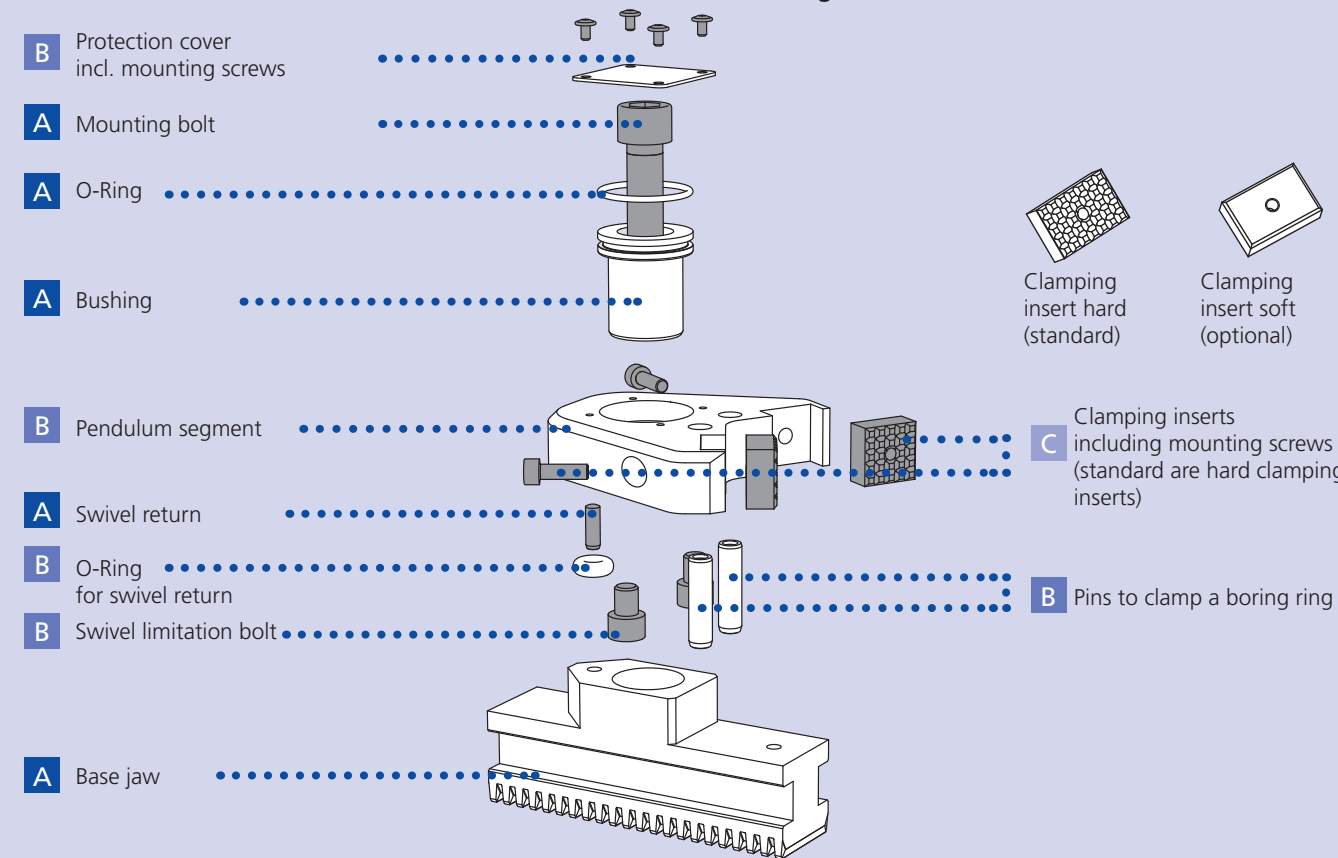
Setup pendulum jaw

Type	Pendulum jaw cpl. (1 piece)		A: Base jaw cpl. ¹	B: Pendulum seg- ment cpl. ¹	C: Clamping insert hard cpl. ²	C: Clamping insert soft cpl. ²	SMW-AUTOBLOK
	Id. No./ piece	kg/ piece	Id. No./ piece	Id. No./ piece	Id. No./ piece	Id. No./ piece	
PJC 200	5306271	1.11	5306368	5306370	5306373	5306374	KNCS-N 210
	5306272	1.19	5306369	5306371	5305807	5306421	
	5306273	1.21	5306969	5306372	5305807	5306421	
PJC 200	5306271	1.11	5306368	5306370	5306373	5306374	KNCS-N 225
	5306272	1.19	5306369	5306371	5305807	5306421	
	5306273	1.21	5306969	5306372	5305807	5306421	
PJC 250	5302901	1.33	5305802	5305803	5305804	5306420	KNCS-N 260
	5302902	1.55	5305802	5305806	5305807	5306421	
	5302903	1.80	5305808	5305809	5305807	5306421	
PJC 250	5302901	1.33	5305802	5305803	5305804	5306420	KNCS-N 275
	5302902	1.55	5305802	5305806	5305807	5306421	
	5302903	1.80	5305808	5305809	5305807	5306421	
PJC 315	5303962	1.73	5305810	5305811	5305804	5306420	KNCS-N 325
	5303963	1.75	5305810	5305813	5305807	5306421	
	5303964	1.99	5305815	5305816	5305807	5306421	
	5303970	2.00	5305815	5305817	5305807	5306421	
PJC 200	5306271	1.11	5306368	5306370	5306373	5306374	HG-N 210
	5306272	1.19	5306369	5306371	5305807	5306421	
	5306273	1.21	5306969	5306372	5305807	5306421	
PJC 250	5302901	1.33	5305802	5305803	5305804	5306420	HG-N 260
	5302902	1.55	5305802	5305806	5305807	5306421	
	5302903	1.80	5305808	5305809	5305807	5306421	
PJC 315	5303962	1.73	5305810	5305811	5305804	5306420	HG-N 315
	5303963	1.75	5305810	5305813	5305807	5306421	
	5303964	1.99	5305815	5305816	5305807	5306421	
	5303970	2.00	5305815	5305817	5305807	5306421	

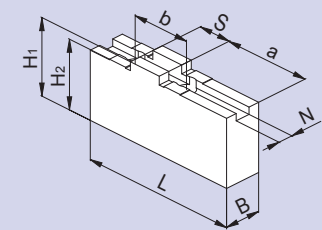
¹ 1 piece per jaw = 3 pieces per set

² 2 pieces per jaw = 6 pieces per set

Pendulum jaw cpl. (1 piece) consists of: **A** Base jaw **B** Pendulum segment **C** Clamping insert (hard)



WAK



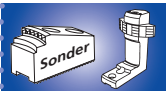
Soft top jaws
for quick jaw change

- Tongue & groove
- Material: 16MnCr5

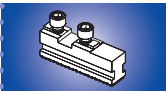
Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAK 125-10	016633	20	30	27.5	55	14*	5*	25	20	0.61	
WAK 140-10	012490	20	40	36	69	8	18	26	32	0.89	KNCS-N 140
WAK 160-10	012491	20	40	36	85	8	18	42	32	1.15	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
WAK 200-10	012492	22	46	42	105	10	20	50	40	1.91	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK 250-10	012493	30	55.5	50.5	125	12	20	70	40	3.72	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
WAK 400-10	012494	35	60	54	145	12	26	74	54	5.70	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
WAK 500-10	012495	50	80	73	180	18	30	100	60	13.65	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/ 500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630
WAK 630-10	080930	65	118	110	260	24	40	150	82	39.48	HG-F 630

* Groove
Other dimensions on request.

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 125 F+125			Duro 125	
			Duro-NC 140 Duro-NC 168	
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 • THW165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280/315 KTNCV 250 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500L	QJC-220	QJ21 QJ24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500 THW 630-R
F 630 F+ 630			Duro 630 Duro-NC 630	ROTA-S plus 630/800/1000 ROTA-S 630/800/1000 ROTA-G 630



SMW-AUTOBLOK
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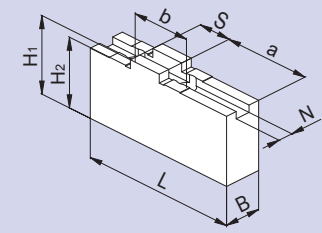


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SMW-AUTOBLOK
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WAKS

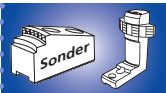


Soft top jaws
wide version, for quick jaw change

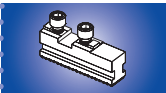
- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAKS 140-10	012496	35	40	36	63	8	18	26	32	1.62	KNCS-N 140
WAKS 160-10	080931	25	50	46	85	8	18	42	32	1.94	HG-N 160
WAKS 160-20	080932	30	55.5	51.5	85			48	32	2.69	HG-F 160
WAKS 160-30	080933	40	80	76	70			26	32	4.43	KNCS-N 170 KNCS-2G 170
WAKS 200-10	080934	30	55.5	51.5	100	10	20	57	40	3.21	HG-N 210
WAKS 200-20	080935	30	70	66	100			45	40	4.09	HG-F 210
WAKS 200-30	012497	40	40	36	70			27	40	2.11	KNCS-N 210
WAKS 200-31	080936	40	60	56	85			42	40	4.02	KNCS-N 225
WAKS 200-32	036733	40	80	76	95			52	40	6.19	KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAKS 250-10	080937	40	60	55	125	12	20	70	40	5.70	HG-N 260
WAKS 250-11	080938	40	80	75	125			70	40	7.71	HG-N 315
WAKS 250-12	080939	40	100	95	125			70	40	9.75	HG-F 260
WAKS 250-13	080940	40	120	115	125			70	40	11.80	KNCS-N 260/275
WAKS 250-20	012498	60	60	55	90			44	40	6.30	KNCS-N 325/340
WAKS 250-21	080942	60	60	55	110			60	40	7.78	KNCS-NB 260
WAKS 250-22	080943	60	80	75	90			44	40	8.50	KNCS-NB 325
WAKS 250-23	080944	60	80	75	110			60	40	10.58	KNCS-NB 340
WAKS 250-30	012499	80	60	55	90			44	40	8.68	KNCS-2G 260
WAKS 250-31	080945	80	80	75	110			60	40	14.48	KNCS-2G 325
WAKS 400-10	080946	40	60	54	110	12	26	54	54	4.88	HG-N 400
WAKS 400-11	080947	40	60	54	145			89	54	6.60	HG-2G 400
WAKS 400-12	080948	40	100	94	145			89	54	11.44	HG-F 315
WAKS 400-13	080949	40	120	114	145			89	54	13.86	KNCS-N 400
WAKS 400-14	080950	40	150	144	145			89	54	17.49	KNCS-NB 400
WAKS 400-20	080951	60	60	54	110			54	54	7.73	KNCS-2G 400
WAKS 400-21	080952	60	80	74	110			54	54	10.52	
WAKS 400-22	080953	60	100	94	110			54	54	13.32	
WAKS 400-30	012500	80	70	64	100			44	54	11.38	
WAKS 500-10	080954	60	80	73	155	18	30	90	60	14.17	HG-N 500
WAKS 500-12	080956	60	120	113	155			90	60	21.91	HG-N 630
WAKS 500-20	080957	80	80	73	155			90	60	19.70	HG-2G 500
WAKS 500-21	080958	80	100	93	155			90	60	25.04	HG-2G 630
WAKS 500-30	012501	90	80	73	130			65	60	18.50	HG-F 400/500
WAKS 500-31	012502	100	80	73	150			85	60	24.28	KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

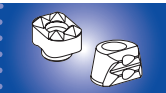
Forkardt	Samchully	Kitagawa	Röhm	Schunk
			Duro-NC 140 Duro-NC 168	
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ306	Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ310 QJ312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ21 QJ24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500



SMW-AUTOBLOK
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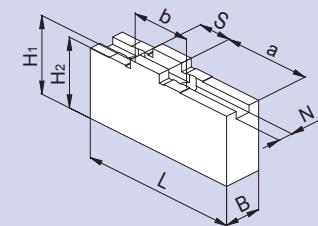


SMW-AUTOBLOK
112



SMW-AUTOBLOK
74

WAK-A

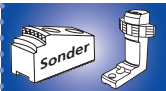


Soft top jaws aluminium
light version, for quick jaw change

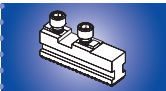
- Tongue & groove
- Material: Aluminium (tensile strength ca. 500 N/mm²)

Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAK-A 160	080959	25	50	46	85	8	18	42	32	0.69	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
WAK-A 200	080960	25	50	46	105	10	20	50	40	0.88	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK-A 210	035222	40	60	56	90	10	20	43	40	1.54	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK-A 250	080961	40	60	55	125	12	20	70	40	2.04	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
WAK-A 400	080962	40	60	54	145	12	26	74	54	2.38	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
WAK-A 500	035142	50	80	73	180	18	30	100	60	4.89	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250 F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500



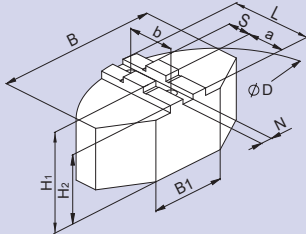
SMW-AUTOBLOK
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SMW-AUTOBLOK
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SMW-AUTOBLOK
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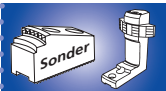


Soft pie jaws
for quick jaw change

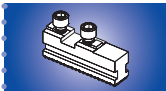
- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	B ₁	H ₁	H ₂	L	N	S	a	b	D	kg/ Set	SMW-AUTOBLOK
SBK 160	080963	120	40	50	46	60	8	18	23	32	160	4.89	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
SBK 200	080964	140	64	60	56	70	10	20	27	40	200	9.01	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
SBK 250	080965	180	70	60	55	90	12	20	44	40	250	13.05	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
SBK 400	080966	240	120	75	69	110	12	26	54	54	320	28.89	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400

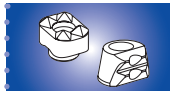
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F



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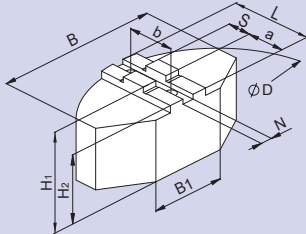


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SBK-A

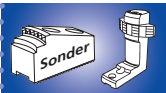


Soft pie jaws aluminium
light version, for quick jaw change

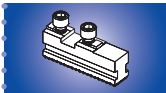
- Tongue & groove
- Material: Aluminium (tensile strength appr. 500 N/mm²)

Type	Id. No.	B	B ₁	H ₁	H ₂	L	N	S	a	b	D	kg/ Set	SMW-AUTOBLOK
SBK-A 160	080967	120	40	50	46	59.5	8	18	23	32	165	1.74	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
SBK-A 200	080968	140	50	58	54	72.5	10	20	32	40	200	3.11	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
SBK-A 250	080969	180	70	58	53	87.5	12	20	44	40	250	4.31	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
SBK-A 400	080970	240	80	75	69	117	12	26	54	54	320	10.40	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
SBK-A 500	085193	330	150	90	82	160	18	30	95	60	440	21.63	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

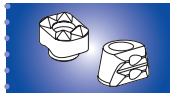
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNCV 250 KTNC 280 KTNC 315 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW500-R/F ROTA THWB 400/500



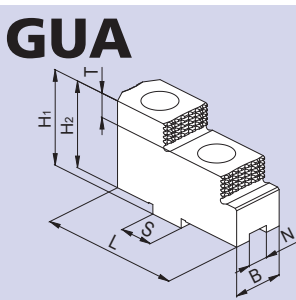
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Hard, reversible top jaws
for quick jaw change

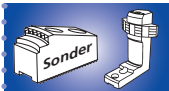
- Tongue & groove
- For internal and external clamping



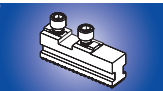
Only jaws that are ground on the chuck under clamping condition guarantee highest repeatability.

Type	Id. No.	B	H ₁	H ₂	L	T	N	S	kg/ Set	SMW-AUTOBLOK
GUA 160	012484	20	36.5	32.5	63.60	7.5	8	18	0.59	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
GUA 200	012485	22	43	39	74.95	10	10	20	0.92	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
GUA 250	012486	30	55	50	89.50	14	12	20	1.95	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
GUA 400	012487	35	62	56	105.5	15	12	26	3.25	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
GUA 500	012488	45	80.5	73	130	20	18	30	6.57	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630
GUA 631	035959	65	105	97	185	30	24	40	18.71	HG-F 630

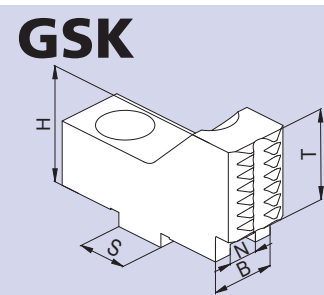
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210 R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500
F 630 F+ 630			Duro 630 Duro-NC 630	ROTA-S plus 630/800/1000 ROTA-S 630/800/1000 ROTA-G 630



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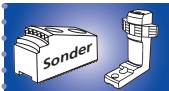


Hard bar roughing jaws
for quick jaw change

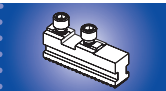
- Tongue and groove
- For external clamping

Type	Id. No.	Clamping ranges Ø	B	H	T	N	S	kg/ Set	SMW-AUTOBLOK
GSK 160	091359	12-40	22	40	30	8	18	0.68	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
GSK 200	091360	15-50	22	45	37	10	20	0.85	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-2G 210 KNCS-2G 225
GSK 250	091361	15-60	26	45	35	12	20	1.13	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
GSK 400	091362	30-90	32	50	40	12	26	2.15	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400

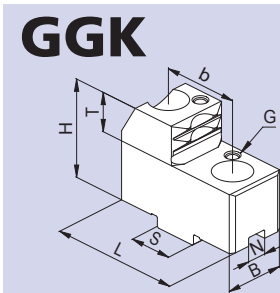
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNCV 250 KTNC 280 KTNC 315 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F



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SMW-AUTOBLOK
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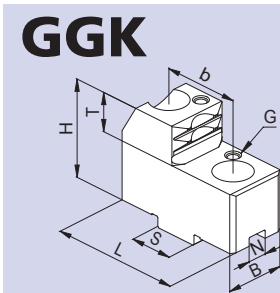
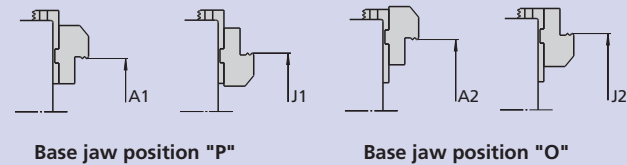
Hard roughing jaws
for SMW-AUTOBLOK chucks
with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	SMW- AUTOBLOK	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KNCS-N 140	28-53	125-162	-	-
GGK 1752	012465								68	0.92		36-56	128-168	-	-
GGK 1753	012466								60	0.88		55-81	101-135	-	-
GGK 1754	012467								56	0.80		80-105	75-109	-	-
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KNCS-N 170	25-62	133-171	33-80	155-190
GGK 1752	012465								68	0.92	KNCS-2G 170	32-61	134-172	42-79	151-181
GGK 1753	012466								60	0.88	HG-N 160	52-89	107-145	70-107	125-163
GGK 1754	012467								56	0.80	HG-F 160	77-115	81-118	95-133	99-137
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KNCS-N 210	29-59	187-252	36-87	-
GGK 2002	012470								66	1.28	KNCS-NB 210	57-122	121-186	94-150	158-215
GGK 2003	012471								66	1.19	KNCS-2G 210	93-149	85-140	131-187	122-178
GGK 2004	012472		40	15					87	1.39	HG-N 210	62-100	62-100	72-137	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KNCS-N 225	30-69	-	45-106	-
GGK 2002	012470								66	1.28	KNCS-2G 225	67-132	131-197	105-170	169-235
GGK 2003	012471								66	1.19		104-169	95-160	141-207	134-199
GGK 2004	012472		40	15					87	1.39		-	68-110	-	74-148
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 260	45-85	197-274	61-148	254-342
GGK 2502	012474								72	2.08	KNCS-NB 260	78-154	132-208	141-218	195-272
GGK 2503	012475								78	2.19	KNCS-2G 260	107-184	109-175	159-247	152-238
GGK 2504	012476								110	2.88	HG-N 260	-	-	-	80-156
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 275	49-100	201-289	65-163	258-357
GGK 2502	012474								72	2.08		82-169	136-223	145-233	199-287
GGK 2503	012475								78	2.19		111-199	113-190	163-262	156-253
GGK 2504	012476								110	2.88		-	-	-	84-171
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 325	40-126	207-320	104-214	295-406
GGK 2502	012474								72	2.08	KNCS-NB 325	86-196	138-248	173-284	225-336
GGK 2503	012475								78	2.19	KNCS-2G 325	115-226	109-218	203-314	196-306
GGK 2505	012477		43	15					98	2.49	HG-N 315	197-285	78-164	261-371	139-249
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS-N 340	60-126	236-326	-	326-396
GGK 2502	012474								72	2.08		116-201	-	196-288	-
GGK 2503	012475								78	2.19		-	136-236	232-318	-
GGK 2504	012476								110	2.88		-	108-186	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	KNCS-N 400	78-188	258-378	143-263	333-453
GGK 4002	012479								91	3.58	KNCS-NB 400	-	140-263	258-378	-
GGK 4003	012480								147	5.50	KNCS-2G 400	-	118-243	-	-
											HG-N 400				
											HG-2G 400				
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS-N 500	100-210	280-420	210-350	415-560
GGK 5002	012482								108	6.67	KNCS-NB 500	-	155-295	330-470	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	KNCS-2G 500	-	100-240	-	-
											HG-N 500				
											HG-2G 500				
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS-N 630	80-240	265-450	240-440	460-650
GGK 5002	012482								108	6.67	KNCS-NB 630	-	140-320	380-560	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	KNCS-2G 630	-	100-240	-	-
											HG-N 630				
											HG-2G 630				

* Clamping range valid for chuck type KNCS-N, KNCS-NB and KNCS-2G

Clamping ranges

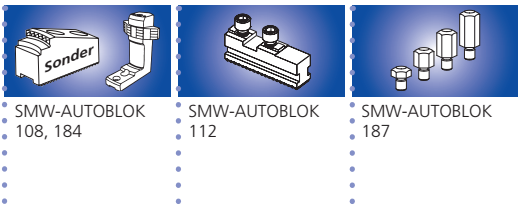
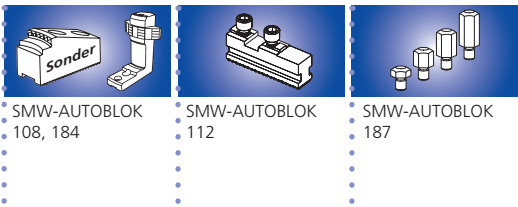
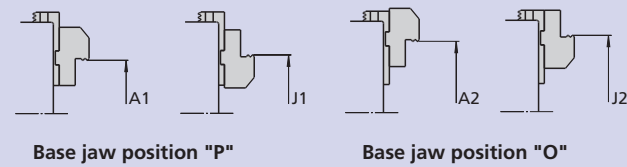


Hard roughing jaws
for SMW-AUTOBLOK chucks
with quick jaw change

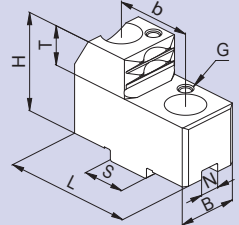
- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	SMW- AUTOBLOK	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KNCS 175	25-58	-	-	-
GGK 1752	012465								68	0.92		-	138-168	38-72	-
GGK 1753	012466								60	0.88		-	110-140	68-100	-
GGK 1754	012467								56	0.80		-	80-112	96-130	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KNCS 200	-	-	35-78	-
GGK 2002	012470								66	1.28	KNCS 210	60-100	125-165	95-135	160-200
GGK 2003	012471								66	1.19		-	88-130	130-172	-
GGK 2004	012472		40	15					87	1.39		-	-	-	62-106
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 250	40-64	190-250	64-128	252-310
GGK 2502	012474								72	2.08		-	120-190	128-195	-
GGK 2503	012475								78	2.19		-	104-150	160-224	-
GGK 2504	012476								110	2.88		-	-	-	75-125
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 260	40-75	193-266	65-135	255-330
GGK 2502	012474								72	2.08		-	123-195	134-207	-
GGK 2503	012475								78	2.19		-	102-174	163-237	-
GGK 2504	012476								110	2.88		-	-	-	70-142
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 315	49-95	202-288	95-180	288-370
GGK 2503	012475								78	2.19		-	102-202	180-280	-
GGK 2505	012477		43	15					98	2.49		-	82-150	-	-
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KNCS 315-91	45-110	210-200	110-200	300-370
GGK 2503	012475								78	2.19		-	110-210	200-290	-
GGK 2505	012477		43	15					98	2.49		-	82-160	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	KNCS 400	50-160	230-350	115-235	305-425
GGK 4002	012479								91	3.58		-	112-235	230-350	-
GGK 4003	012480								147	5.50		-	90-215	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS 500	80-190	260-400	170-310	375-520
GGK 5002	012482								108	6.67		-	135-275	290-430	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-220	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KNCS 630	80-240	265-450	240-440	460-650
GGK 5002	012482								108	6.67		-	140-320	380-560	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-220	-	-

Clamping ranges



GGK



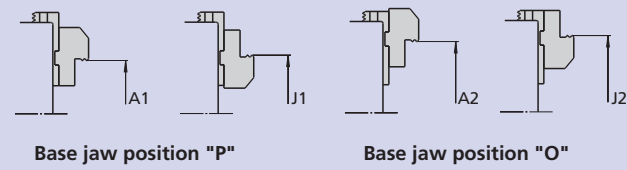
Hard roughing jaws for Schunk chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

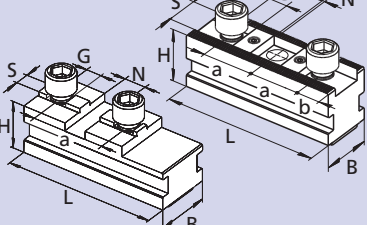
Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Schunk	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	ROTA THW 165	25-50	-	-	-
GGK 1752	012465								68	0.92	ROTA THW plus 165				
GGK 1753	012466								60	0.88	ROTA-G 160				
GGK 1754	012467								56	0.80	THW 165				
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	ROTA THW 210	30-55	185-230	45-94	-
GGK 2002	012470								66	1.28	ROTA THW plus 215				
GGK 2003	012471								66	1.19	ROTA-G 200				
GGK 2004	012472								87	1.39	THW 210-R				
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	ROTA THWB 210	35-70	200-265	65-138	265-330
									72	2.08	ROTA-THW 250				
									78	2.19	ROTA THW plus 260				
									110	2.88	ROTA-G 250				
GGK 2503	012475										THW 250/265-R	110-175	100-165	174-237	165-230
											ROTA NCW 265				
											ROTA THW 315				
											ROTA THW plus 315				
GGK 2505	012477										ROTA-G 315	115-190	105-180	203-278	194-270
											ROTA- NCW 315				
											THW 315-R				
											-				
GGK 4001 ¹	012478	50	55	25	M8	12	26	54	104	4.01	ROTA THW 400	50-162	230-350	118-240	305-430
									91	3.58	THW 400-R				
									147	5.50	ROTA-G 400				
											ROTA THWB 315				
GGK 5001 ²	012481	60	74	35	M8	18	30	60	125	7.58	ROTA THW 500	80-190	260-400	170-310	380-520
									108	6.67	ROTA-G 500				
									136	4.96	THW 500-R				
									125	7.58	ROTA THW 630				
GGK 5002	012482	50	56	25	M8	18	30	60	108	6.67	THW 630-R	170-350	140-325	315-525	310-520
									136	4.96	-				

¹ Clamping range only for chucks Ø 400
² Clamping range only for chucks Ø 500
* Clamping ranges subjected to technical changes

Clamping ranges



GBK-B



Hard base jaws for SMW-AUTOBLOK KNCS-NB(X) and HG-NB quick jaw change chucks

- Modular straight serration System SMW

GBK-B Tongue & groove

Type	Id. No.	B	H	L	N	S	G	a	kg/ Set
GBK-B 210	138494	28	32	85	20	10	M8	40	1.34
GBK-B 260	039624	35	40	104	20	12	M12	40	2.49
GBK-B 315	039626	50	45.8	115	20	12	M12	40	4.53
GBK-B 400	039629	50	45.8	125	26	12	M12	54	5.01
GBK-B 500	035565	62	57	160	30	18	M16	60	9.88
GBK-B 630	035902	75	57	202	30	18	M16	60	15.08
GBK-B 800	064604	75	57	286	30	18	M16	60	21.41

GBK-BD Inch serration

Type	Id. No.	B	H	L	N	S	G	a	b	kg/ Set
GBK-BD 210	036292	28	32	85	1/16" x 90°	17	M12	2x23	11	1.54
GBK-BD 260	035704	35	40	104	1/16" x 90°	21	M16	1x30 / 1x28	14	2.98
GBK-BD 315	036167	50	46	115	1/16" x 90°	21	M16	1x30 / 1x28	14	5.45
GBK-BD 400	036293	50	46	125	3/32" x 90°	25.5	M20	2x38	17	6.17
GBK-BD 500	036294	62	61	160	3/32" x 90°	25.5	M20	38+49+38	17	12.20
GBK-BD 630	036295	75	61	202	3/32" x 90°	25.5	M20	38+38+52+38	18	18.55
GBK-BD 800	036296	75	61	286	3/32" x 90°	25.5	M20	38+38+38+60.7+38+38	17.5	25.74

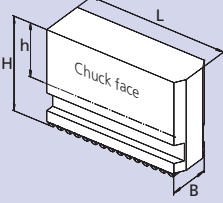
GBK-BA Tongue & groove American Standard

Type	Id. No.	B	H	L	N	S	G	a	kg/ Set
GBK-BA 210	-	-	-	-	-	-	-	-	-
GBK-BA 260	-	-	-	-	-	-	-	-	-
GBK-BA 315	039628	50	45.8	120	19.02	12.7	5/8-11	63.5	4.83
GBK-BA 400	039631	50	45.8	146	19.02	12.7	3/4-10	76.2	5.89
GBK-BA 500	060561	62	57	168	19.02	12.7	3/4-10	76.2	10.53
GBK-BA 630	060562	75	57	202	19.02	12.7	3/4-10	76.2	15.45
GBK-BA 800	064590	75	57	286	19.02	12.7	3/4-10	76.2	22.34

GBK-BM Metric serration

Type	Id. No.	B	H	L	N	S	G	a	b	kg/ Set
GBK-BM 210	035566	28	32	85	1.5 x 60°	14	M12	2x25	11	1.53
GBK-BM 260	035567	35	40	104	1.5 x 60°	16	M12	2x30	11	2.87
GBK-BM 315	035568	50	45.8	115	1.5 x 60°	21	M16	2x30	14	5.44
GBK-BM 400	035569	50	45.8	125	1.5 x 60°	22	M20	2x43	17	6.29
GBK-BM 500	035570	62	61	160	3 x 60°	25	M20	1x50 / 1x60	17	12.54
GBK-BM 630	035917	75	61	202	3 x 60°	25	M20	2x60	18	19.04
GBK-BM 800	036708	75	61	286	3 x 60°	25	M20	60+60+70.5+60	17.5	26.30

UVB-B



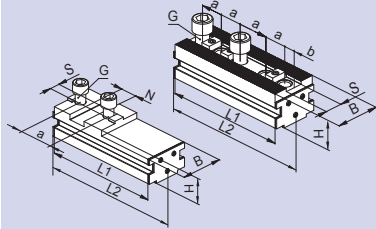
Wide monoblock jaws for SMW-AUTOBLOK KNCS-NB(X) and HG-NB quick jaw change chucks

- Modular straight serration System SMW

Type	Id. No.	B	H	h	L	kg/ Set
UVB-B 210	534337	28	80	55	85	4.2
UVB-B 250	238910	35	110	81	109.5	9.4
UVB-B 315	238911	50	115	60	120.5	18.5
UVB-B 400	238740	50	125	60	148	20.7
UVB-B 500	238912	62	160	105	175	38.8
UVB-B 630	5301060	75	160	105	230	61.5



GBK-B-2G



**Hard base jaws with sealing
for SMW-AUTOBLOK HG-B-2G
quick jaw change chucks**

■ Modular straight serration System SMW

GBK-B-2G Tongue & groove

Type	Id. No.	B	H	L1	L2*	N	S	G	a	kg/ Set
GBK-B-2G 630	162316	75	57	199.5	209.7	30	18	M16	60	15.89
GBK-B-2G 800	162319	75	57	283.2	293.4	30 (2x)	18	M16	2 x 60	22.20

GBK-BD-2G Inch serration

Type	Id. No.	B	H	L1	L2*	N	S	G	a	b	kg/ Set
GBK-BD-2G 630	162462	75	61	199.5	209.7	3/32" x 90°	25.5	M20	38+38+52+38	16.75	18.66
GBK-BD-2G 800	162463	75	61	283.5	293.7	3/32" x 90°	25.5	M20	38+38+38+60.7+38+38	16.25	25.85

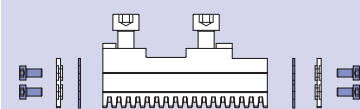
GBK-BA-2G Tongue & groove American Standard

Type	Id. No.	B	H	L1	L2*	N	S	G	a	kg/ Satz
GBK-BA-2G 630	162315	75	57	199.5	209.7	19.02	12.7	3/4-10	76.2	16.74
GBK-BA-2G 800	162349	75	57	283.2	293.4	19.02 (2x)	12.7	3/4-10	2 x 76.2	23.60

GBK-BM-2G Metric serration

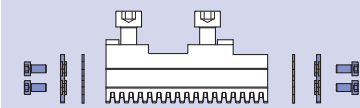
Type	Id. No.	B	H	L1	L2*	N	S	G	a	b	kg/ Set
GBK-BD-2G 630	162464	75	61	199.5	209.7	3x60°	25	M20	60+60	16.75	19.16
GBK-BD-2G 800	162465	75	61	283.5	283.7	3x60°	25	M20	60+60+70.5+60	16.75	26.41

* Dimension incl. seals, cover and screws



**Seal kit
for hard base jaws
GBK-B-2G | GBK-BD-2G | GBK-BA-2G | GBK-BM-2G**
■ Consisting of seals (6 pieces)
and mounting screws (12 pieces)

Type	Id. No.	SMW-AUTOBLOK
GBK-B-2G 630	207673	HG-B-2G 800
GBK-B-2G 800	207673	HG-B-2G 1000



**Mounting kit
for hard base jaws
GBK-B-2G | GBK-BD-2G | GBK-BA-2G | GBK-BM-2G**
■ Consisting of seals (6 pieces), covers (6 pieces)
and mounting screws (12 pieces)

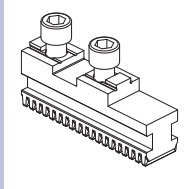
Type	Id. No.	SMW-AUTOBLOK
GBK-B-2G 630	207674	HG-B-2G 800
GBK-B-2G 800	207674	HG-B-2G 1000

Advice:

Existing master jaws still can be used without seals. A small modification made to the master jaws and a mounting kit can upgrade existing master jaws to become 2 G master jaws (instruction for the rework on request).

Jaws for quick jaw change chucks – System Forkardt

SMW-AUTOBLOK | Forkardt | Samchully | Kitagawa | Röhm | Schunk (Page 1 / 2)

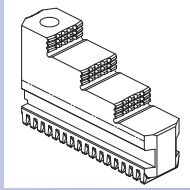


MFG

Hard base jaws

- Modular serration inclined System Forkardt
- For quick jaw change

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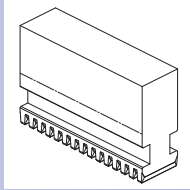


FST

Hard stepped monoblock jaws

- Modular serration inclined System Forkardt
- For quick jaw change

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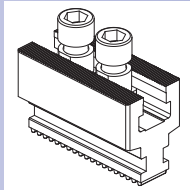
BFR

Quenched C45

Monoblock jaws

- Modular serration inclined System Forkardt
- For quick jaw change

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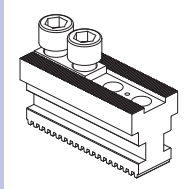


KFR

Hard kombi base jaws with T-nuts

- Modular serration inclined System Forkardt and inch serration
- For quick jaw change

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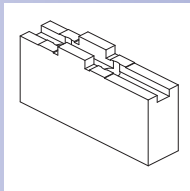


KLS

Hard kombi base jaws

- Modular serration inclined System Forkardt and inch serration
- For quick jaw change

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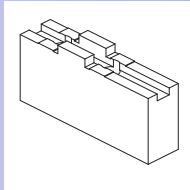
WAK

Standard 16MnCr5

Soft top jaws

- Tongue & groove
- For quick jaw change

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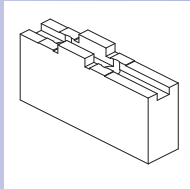
WAKS

Wide version 16MnCr5

Soft top jaws

- Tongue & groove
- For quick jaw change

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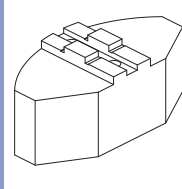
WAK-A

Light version Aluminium F50

Soft top jaws aluminium

- Tongue & groove
- For quick jaw change

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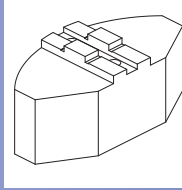
SBK

16MnCr5

Soft pie jaws

- Tongue & groove
- For quick jaw change

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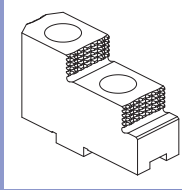
SBK-A

Light version Aluminium F50

Soft pie jaws aluminium

- Tongue & groove
- For quick jaw change

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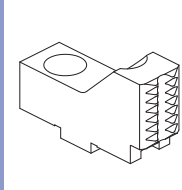
GUA

Reversible

Hard, reversible base jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping

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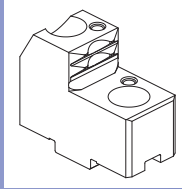
GSK

Light version Aluminium F50

Hard bar roughing jaws aluminium

- Tongue & groove
- For quick jaw change
- For external clamping

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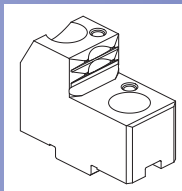
G GK

For SMW-AUTOBLOK chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping

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G GK

For Forkardt chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping

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Safety advice:

Top jaws are safety components, which can be under high load depending on their use.

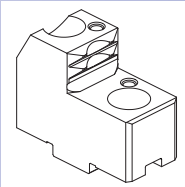
Max grip forces and speeds must not be exceeded at any time.

For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.

Continuation
on the next page

Jaws for quick jaw change chucks – System Forkardt

SMW-AUTOBLOK | Forkardt | Samchully | Kitagawa | Röhms | Schunk (Page 2 / 2)



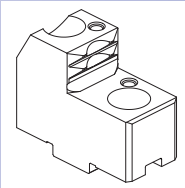
Page 179

GGK

For Samchully chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping



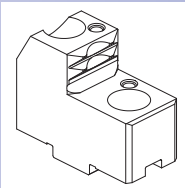
Page 180

GGK

For Kitagawa chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping



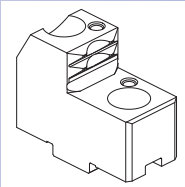
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GGK

For Röhms chucks

Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For Röhms chucks
- For internal and external clamping



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GGK

For Schunk chucks

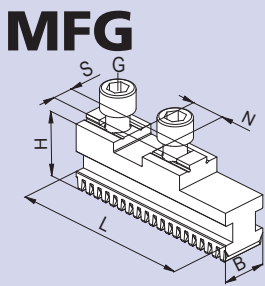
Hard roughing jaws

- Tongue & groove
- For quick jaw change
- For internal and external clamping

Safety advice:

Top jaws are safety components, which can be under high load depending on their use.
Max grip forces and speeds must not be exceeded at any time.
For safety reasons all jaws as well as all T-nuts and bolts must be checked regularly for damage and cracks.





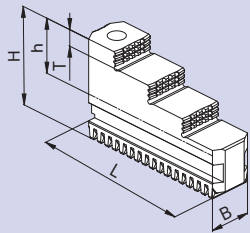
Hard base jaws
for quick jaw change

- Modular serration inclined System Forkardt
- Inclusive jaw mounting bolts ISO 4762 – 12.9

Type	Id. No.	B	H	L	N	S	G x Length (tapped hole)	kg/ Set	SMW-AUTOBLOK
MFG 160	081303	20	29.5	74	18	8	M8 x 1.0 x 16	0.68	HG-F 160
MFG 200	081304	22	35	90	20	10	M8 x 1.0 x 16	1.14	HG-F 210
MFG 250	081305	26	40	110	20	12	M12 x 1.5 x 20	1.82	HG-F 260
MFG 315	081306	32	46	125	26	12	M12 x 1.5 x 25	2.90	HG-F 315
MFG 400	081307	45	55	160	30	18	M16 x 1.5 x 30	6.43	HG-F 400 HG-F 500
MFG 630	034266	65	62	230	40	24	M20 x 33	16.13	HG-F 630

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 F+160 KTNC 160 FNC 175 KTNCV 160/175			Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160	ROTA-S 160 ROTA-S PLUS 160
F 200 F+200 KTNC 200 FNC 200 KTNCV 200		QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NCE 200 Duro-NC 225	ROTA-S 200 THW 210 F ROTA-S PLUS 200 ROTA NC-WF 210
F 250 F+250 UNC 250/315 FNC 250/315 KTNC 250/280/315 KTNCV 250/315		QJ 10/12" (QJ 254-65) (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250/315	ROTA-S 250 THW 250 F THW 265 F ROTA NC-WF 250 ROTA NC-WF 315 ROTA-S PLUS 250
F 315 F+315 UNC 400 FNC 400 KTNC 360/400 KTNCV 400			Duro 315 Duro-NC 315 Duro-NCE 400	ROTA-S 315 THW 315 F THW 400 F ROTA-S PLUS 315
F 400/500-L F+400/500 UNC 500 KTNC 500/630 FNC 500/630 KTNCV 500/630			Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S 400 ROTA-S 500 THW 500 F ROTA-S PLUS 400 ROTA-S PLUS 500
F 630 F+630			Duro 630 Duro-NC 630	ROTA-S 630 ROTA-S plus 630

FST



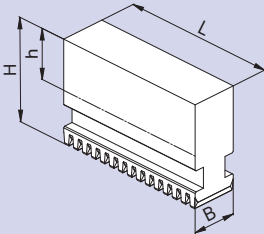
Hard stepped monoblock jaws
for quick jaw change

■ Modular serration inclined System Forkardt

Type	Id. No.	B	H	h	L	T	kg/ Set	SMW-AUTOBLOK
FST 160	081282	20	45	24	79	7.5	1.07	HG-F 160
FST 200	081283	22	60	35	94	10	1.84	HG-F 210
FST 250	081284	26	70	40	115	14	3.31	HG-F 260
FST 315	081285	32	81	46	129	15	5.33	HG-F 315
FST 400	081286	45	93	52	167	20	10.86	HG-F 400 HG-F 500

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 F+160 KTNC 160 FNC 175 KTNCV 160/175			Duro 160 Duro-NC 160/175 Duro-NCE 160	ROTA-S 160 ROTA-S PLUS 160
F 200 F+200 KTNC 200 FNC 200 KTNCV 200		QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200/225 Duro-NCE 200	ROTA-S 200 THW 210 F ROTA-S PLUS 200 ROTA NC-WF 210
F 250 UNC250/315 F+250 FNC 250/ 315 KTNC 250/280/315 KTNCV 250/315		QJ 10/12" (QJ 254-65) (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250/315	ROTA-S 250 THW 250/265 F ROTA NC-WF 250/315 ROTA-S PLUS 250
F 315 F+315 UNC 400 FNC 400 KTNC 360/400 KTNCV 400			Duro 315 Duro-NC 315 Duro-NCE 300	ROTA-S 315 THW 315 F THW 400 F ROTA-S PLUS 315
F 400/500-L F+400/500 UNC 500 KTNC 500/630 FNC 500/630 KTNCV 500/630			Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S 400/500 THW 500 F ROTA-S PLUS 400 ROTA-S PLUS 500

BFR

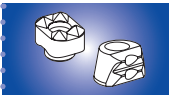


Soft monoblock jaws
for quick jaw change

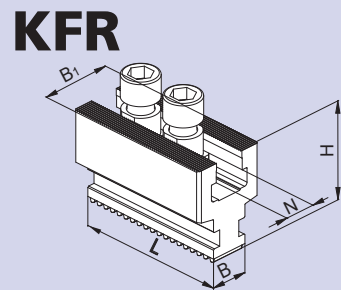
- Modular serration inclined System Forkardt
- Material: C45,
serration and guide ways are induction hardened and ground

Type	Id. No.	B	H	h	L	kg/ Set	SMW-AUTOBLOK
BFR 160	081272	20	45	24	79	1.48	HG-F 160
BFR 200	081273	22	60	35	94	2.00	HG-F 210
BFR 250	081274	26	70	40	115	4.33	HG-F 260
BFR 315	081275	32	81	46	140	7.43	HG-F 315
BFR 400	081276	45	93	45	176	15.39	HG-F 400 HG-F 500

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 F+160 KTNC 160 KTNCV 160 FNC 175 KTNCV 175 F 200 F+200 FNC 200 KTNC 200 KTNCV 200			Duro 160 DURO-NC 160 Duro-NC 175 Duro-NCE 160	ROTA-S 160 ROTA-S plus 160
F 250 F+250 FNC 250 KTNC 250 KTNCV 250 UNC 250 KTNC 280 FNC 315 KTNC 315 KTNCV 315 UNC 315		QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NCE 200 Duro-NC 225	ROTA-S 200 ROTA-S plus 200 ROTA NC-WF 210 THW 210-F
F 315 F+315 KTNC 360 FNC 400 KTNC 400 KTNCV 400 UNC 400		QJ 10/12" (QJ 254-65) (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250/315	ROTA-S 250 ROTA-S plus 250 ROTA NC-WF 250 ROTA NC-WF 315 THW 250 F THW 265 F
F 400 F+400 F 500 L F+500 L FNC 500 KTNC 500 KTNCV 500 UNC 500 FNC 630 KTNC 630 KTNCV 630			Duro 315 Duro-NC 315 Duro-NCE 400	ROTA-S 315 ROTA-S plus 315 THW 315 F THW 400 F
			Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S 400 ROTA-S plus 400 ROTA-S 500 ROTA-S plus 500 THW 500 F



SMW-AUTOBLOK
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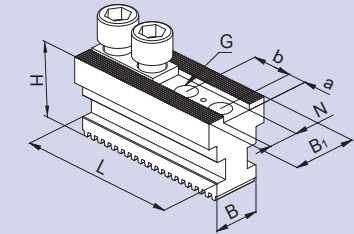
Kombi base jaws
for quick jaw change

- Modular serration inclined System Forkardt and inch serration
- Inclusive T-nuts and screws ISO 4762 – 12.9

Type	Id. No.	B	B ₁	H	L	N	Serration	kg/ Set	SMW-AUTOBLOK
KFR 200-1	236528	22	45	61	80	17	1/16" x 90°	3.26	HG-F 210
KFR 250-1	081330	26	45	65	110	17	1/16" x 90°	4.65	HG-F 260
KFR 250-2	081331	26	50	70	110	21	1/16" x 90°	5.75	HG-F 260
KFR 315-2	081333	32	50	75	125	21	1/16" x 90°	7.18	HG-F 315
KFR 400-1	236529	45	50	80	160	21	1/16" x 90°	11.06	HG-F 400 HG-F 500
KFR 400-2	081335	45	64	82	160	25.5	3/32" x 90°	12.92	HG-F 400 HG-F 500

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 200 F+200 KTNC 200 FNC 200 KTNCV 200		QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NCE 200 Duro-NC 225	ROTA-S 200 THW 210 F ROTA-S PLUS 200 ROTA NC-WF 210
F 250 UNC 250/315 F+250 FNC 250/315 KTNC 250/280/315 KTNCV 250/315		QJ 10/12" (QJ 254-65) (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250/315	ROTA-S 250 THW 250 F ROTA-S PLUS 250 ROTA NC-WF 250/315 THW 265 F
F 250 UNC 250/315 F+250 FNC 250/315 KTNC 250/280/315 KTNCV 250/315		QJ 10/12" (QJ 254-65) (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250/315	ROTA-S 250 THW 250 F ROTA-S PLUS 250 ROTA NC-WF 250/315 THW 265 F
F 315 UNC 400 F+315 FNC 400 KTNC 360/400 KTNCV 400			Duro 315 Duro-NC 315 Duro-NCE 400	ROTA-S 315 THW 315 F THW 400 F ROTA-S PLUS 315
F 400/500 L UNC 500 F+400/500 KTNC 500/630 FNC 500/630 KTNCV 500/630			Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S 400/500 THW 500 F ROTA-S PLUS 400/500
F 400/500 L UNC 500 F+400/500 KTNC 500/630 FNC 500/630 KTNCV 500/630			Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S 400/500 THW 500 F ROTA-S PLUS 400/500

KLS



Kombi base jaws
for quick jaw change

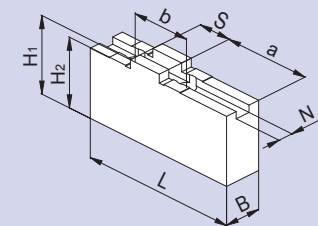
- Modular serration inclined System Forkardt and inch serration
- Inclusive jaw mounting bolts ISO 4762 – 12.9 and guide rail

Type	Id. No.	B	B ₁	H	L	N	Serration	G	a	b	kg/ Set	SMW-AUTOBLOK
KLS 250-2	081318	26	45	50	110	21	1/16" x 90°	M16	13	28*	4.2	HG-F 260
KLS 315-2	081320	32	45	55	110	21	1/16" x 90°	M16	13	28*	4.5	HG-F 315

* 4 holes M16

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 250 F+250 UNC 250/315 FNC 250/315 KTNC 250/280/315 KTNCV 250/315		QJ 10/12" (QJ 254-65) (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250/315	ROTA-S 250 THW 250/265-F ROTA-S PLUS 250 ROTA NC-W 250 ROTA NC-W 315
F 315 F+315 UNC 400 FNC 400 KTNC 360/400 KTNCV 400			Duro 315 Duro-NC 315 Duro-NCE 400	ROTA-S 315 THW 315 F THW 400 F ROTA-S PLUS 315

WAK



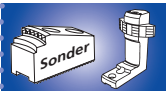
Soft top jaws
for quick jaw change

- Tongue & groove
- Material: 16MnCr5

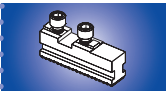
Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAK 125-10	016633	20	30	27.5	55	14*	5*	25	20	0.61	
WAK 140-10	012490	20	40	36	69	8	18	26	32	0.89	KNCS-N 140
WAK 160-10	012491	20	40	36	85	8	18	42	32	1.15	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
WAK 200-10	012492	22	46	42	105	10	20	50	40	1.91	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK 250-10	012493	30	55.5	50.5	125	12	20	70	40	3.72	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
WAK 400-10	012494	35	60	54	145	12	26	74	54	5.70	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
WAK 500-10	012495	50	80	73	180	18	30	100	60	13.65	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/ 500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630
WAK 630-10	080930	65	118	110	260	24	40	150	82	39.48	HG-F 630

* Groove
Other dimensions on request.

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 125 F+125			Duro 125	
			Duro-NC 140 Duro-NC 168	
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 • THW165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280/315 KTNCV 250 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500L	QJC-220	QJ21 QJ24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500 THW 630-R
F 630 F+ 630			Duro 630 Duro-NC 630	ROTA-S plus 630/800/1000 ROTA-S 630/800/1000 ROTA-G 630



SMW-AUTOBLOK
94, 108, 184

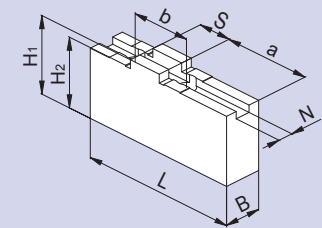


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WAKS

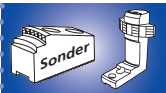


Soft top jaws
wide version, for quick jaw change

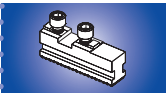
- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAKS 140-10	012496	35	40	36	63	8	18	26	32	1.62	KNCS-N 140
WAKS 160-10	080931	25	50	46	85	8	18	42	32	1.94	HG-N 160
WAKS 160-20	080932	30	55.5	51.5	85			48	32	2.69	HG-F 160
WAKS 160-30	080933	40	80	76	70			26	32	4.43	KNCS-N 170 KNCS-2G 170
WAKS 200-10	080934	30	55.5	51.5	100	10	20	57	40	3.21	HG-N 210
WAKS 200-20	080935	30	70	66	100			45	40	4.09	HG-F 210
WAKS 200-30	012497	40	40	36	70			27	40	2.11	KNCS-N 210
WAKS 200-31	080936	40	60	56	85			42	40	4.02	KNCS-N 225
WAKS 200-32	036733	40	80	76	95			52	40	6.19	KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAKS 250-10	080937	40	60	55	125	12	20	70	40	5.70	HG-N 260
WAKS 250-11	080938	40	80	75	125			70	40	7.71	HG-N 315
WAKS 250-12	080939	40	100	95	125			70	40	9.75	HG-F 260
WAKS 250-13	080940	40	120	115	125			70	40	11.80	KNCS-N 260/275
WAKS 250-20	012498	60	60	55	90			44	40	6.30	KNCS-N 325/340
WAKS 250-21	080942	60	60	55	110			60	40	7.78	KNCS-NB 260
WAKS 250-22	080943	60	80	75	90			44	40	8.50	KNCS-NB 325
WAKS 250-23	080944	60	80	75	110			60	40	10.58	KNCS-NB 340
WAKS 250-30	012499	80	60	55	90			44	40	8.68	KNCS-2G 260
WAKS 250-31	080945	80	80	75	110			60	40	14.48	KNCS-2G 325
WAKS 400-10	080946	40	60	54	110	12	26	54	54	4.88	HG-N 400
WAKS 400-11	080947	40	60	54	145			89	54	6.60	HG-2G 400
WAKS 400-12	080948	40	100	94	145			89	54	11.44	HG-F 315
WAKS 400-13	080949	40	120	114	145			89	54	13.86	KNCS-N 400
WAKS 400-14	080950	40	150	144	145			89	54	17.49	KNCS-NB 400
WAKS 400-20	080951	60	60	54	110			54	54	7.73	KNCS-2G 400
WAKS 400-21	080952	60	80	74	110			54	54	10.52	
WAKS 400-22	080953	60	100	94	110			54	54	13.32	
WAKS 400-30	012500	80	70	64	100			44	54	11.38	
WAKS 500-10	080954	60	80	73	155	18	30	90	60	14.17	HG-N 500
WAKS 500-12	080956	60	120	113	155			90	60	21.91	HG-N 630
WAKS 500-20	080957	80	80	73	155			90	60	19.70	HG-2G 500
WAKS 500-21	080958	80	100	93	155			90	60	25.04	HG-2G 630
WAKS 500-30	012501	90	80	73	130			65	60	18.50	HG-F 400/500
WAKS 500-31	012502	100	80	73	150			85	60	24.28	KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

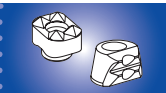
Forkardt	Samchully	Kitagawa	Röhm	Schunk
			Duro-NC 140 Duro-NC 168	
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ306	Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ310 QJ312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ21 QJ24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500



SMW-AUTOBLOK
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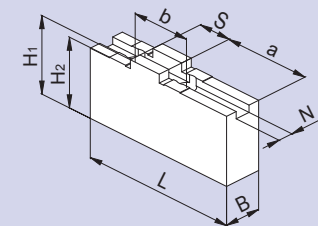


SMW-AUTOBLOK
152



SMW-AUTOBLOK
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WAK-A

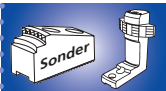


Soft top jaws aluminium
light version, for quick jaw change

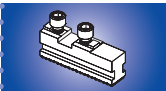
- Tongue & groove
- Material: Aluminium (tensile strength ca. 500 N/mm²)

Type	Id. No.	B	H ₁	H ₂	L	N	S	a	b	kg/ Set	SMW-AUTOBLOK
WAK-A 160	080959	25	50	46	85	8	18	42	32	0.69	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
WAK-A 200	080960	25	50	46	105	10	20	50	40	0.88	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK-A 210	035222	40	60	56	90	10	20	43	40	1.54	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
WAK-A 250	080961	40	60	55	125	12	20	70	40	2.04	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
WAK-A 400	080962	40	60	54	145	12	26	74	54	2.38	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
WAK-A 500	035142	50	80	73	180	18	30	100	60	4.89	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250 F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500



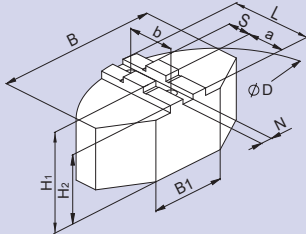
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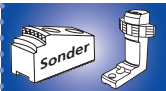


Soft pie jaws
for quick jaw change

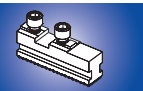
- Tongue & groove
- Material: 16MnCr5

Type	Id. No.	B	B ₁	H ₁	H ₂	L	N	S	a	b	D	kg/ Set	SMW-AUTOBLOK
SBK 160	080963	120	40	50	46	60	8	18	23	32	160	4.89	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
SBK 200	080964	140	64	60	56	70	10	20	27	40	200	9.01	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
SBK 250	080965	180	70	60	55	90	12	20	44	40	250	13.05	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
SBK 400	080966	240	120	75	69	110	12	26	54	54	320	28.89	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400

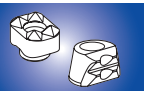
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F



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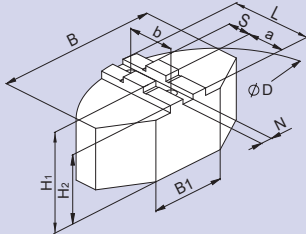


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SBK-A

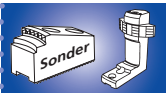


Soft pie jaws aluminium
light version, for quick jaw change

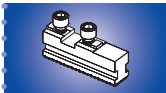
- Tongue & groove
- Material: Aluminium (tensile strength appr. 500 N/mm²)

Type	Id. No.	B	B ₁	H ₁	H ₂	L	N	S	a	b	D	kg/ Set	SMW-AUTOBLOK
SBK-A 160	080967	120	40	50	46	59.5	8	18	23	32	165	1.74	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
SBK-A 200	080968	140	50	58	54	72.5	10	20	32	40	200	3.11	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
SBK-A 250	080969	180	70	58	53	87.5	12	20	44	40	250	4.31	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
SBK-A 400	080970	240	80	75	69	117	12	26	54	54	320	10.40	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
SBK-A 500	085193	330	150	90	82	160	18	30	95	60	440	21.63	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630

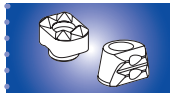
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NC 175 Duro-NCE 160 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNCV 250 KTNC 280 KTNC 315 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW500-R/F ROTA THWB 400/500



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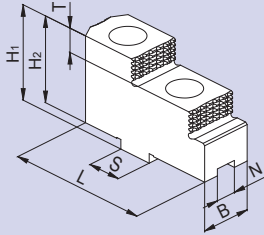


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GUA



Hard, reversible top jaws
for quick jaw change

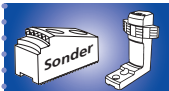
- Tongue & groove
- For internal and external clamping



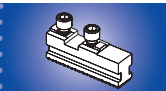
Only jaws that are ground on the chuck under clamping condition guarantee highest repeatability.

Type	Id. No.	B	H ₁	H ₂	L	T	N	S	kg/ Set	SMW-AUTOBLOK
GUA 160	012484	20	36.5	32.5	63.60	7.5	8	18	0.59	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
GUA 200	012485	22	43	39	74.95	10	10	20	0.92	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-NB 225 KNCS-2G 210 KNCS-2G 225
GUA 250	012486	30	55	50	89.50	14	12	20	1.95	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
GUA 400	012487	35	62	56	105.5	15	12	26	3.25	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400
GUA 500	012488	45	80.5	73	130	20	18	30	6.57	HG-N 500 HG-N 630 HG-2G 500 HG-2G 630 HG-F 400/500 KNCS-N 500 KNCS-N 630 KNCS-NB 500 KNCS-NB 630 KNCS-NB 800 KNCS-2G 500 KNCS-2G 630
GUA 631	035959	65	105	97	185	30	24	40	18.71	HG-F 630

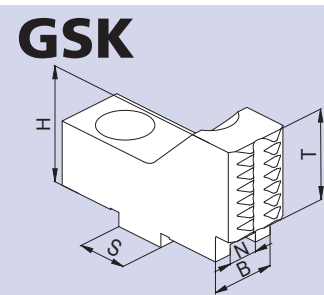
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210 R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNC 280 KTNC 315 KTNCV 250 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F
F 400/500 L UNC 500 KTNC 500/630 KTNCV 500/630 FNC 500/630 F+400 F+500	QJC-220	QJ 21 QJ 24	Duro 400/500 Duro-NC 400/500 Duro-NCE 500	ROTA-S plus 400/500 ROTA THW 500/630/800 ROTA-G 500 THW 630-R ROTA-S 400/500 THW 500-R/F ROTA THWB 400/500
F 630 F+ 630			Duro 630 Duro-NC 630	ROTA-S plus 630/800/1000 ROTA-S 630/800/1000 ROTA-G 630



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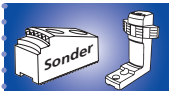


Hard bar roughing jaws
for quick jaw change

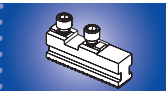
- Tongue and groove
- For external clamping

Type	Id. No.	Clamping ranges Ø	B	H	T	N	S	kg/ Set	SMW-AUTOBLOK
GSK 160	091359	12-40	22	40	30	8	18	0.68	HG-N 160 HG-F 160 KNCS-N 170 KNCS-2G 170
GSK 200	091360	15-50	22	45	37	10	20	0.85	HG-N 210 HG-F 210 KNCS-N 210 KNCS-N 225 KNCS-NB 210 KNCS-2G 210 KNCS-2G 225
GSK 250	091361	15-60	26	45	35	12	20	1.13	HG-N 260 HG-N 315 HG-F 260 KNCS-N 260/275 KNCS-N 325/340 KNCS-NB 260 KNCS-NB 325 KNCS-NB 340 KNCS-2G 260 KNCS-2G 325
GSK 400	091362	30-90	32	50	40	12	26	2.15	HG-N 400 HG-2G 400 HG-F 315 KNCS-N 400 KNCS-NB 400 KNCS-2G 400

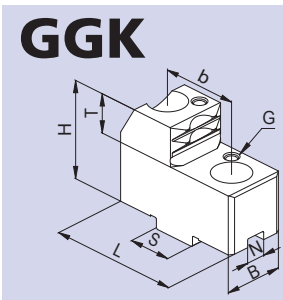
Forkardt	Samchully	Kitagawa	Röhm	Schunk
F 160 KTNC 160 KTNCV 160 KTNCV 175 FNC 175 F+160	QJC-206	QJ 306	Duro 160 Duro-NC 160 Duro-NCE 160 Duro-NC 175 Duro-NCE 175 Duro-NCES 175	ROTA-S plus 160 ROTA THW 165 ROTA THW plus 165/185 ROTA-G 160 THW 165 ROTA-S 160 ROTA NCW 185 ROTA-NCR 200
F 200 KTNC 200 KTNCV 200 FNC 200 F+200	QJC-208	QJ 308 QJ 8" (QJ 210-43)	Duro 200 Duro-NC 200 Duro-NC 225 Duro-NCE 200 Duro-NCES 200	ROTA-S plus 200 ROTA THW 210 ROTA THW plus 215 ROTA-G 200 THW 210R/F ROTA NCW 225 ROTA-S 200 ROTA NCWF 210 ROTA THWB 210 ROTA THW vario 215
F 250 UNC 250/315 KTNC 250/265 KTNCV 250 KTNC 280 KTNC 315 KTNCV 315 FNC 250 FNC 315 F+250	QJC-210 QJC-212	QJ 310 QJ 312 QJ 10" (QJ 254-65) QJ 12" (QJ 315-78)	Duro 250 Duro-NC 250 Duro-NCE 250 Duro-NCE 315 Duro-NCES 250 Duro-NCES 315	ROTA-S plus 250 ROTA-THW 250/315 ROTA THW plus 260/315 ROTA-G 250/315 THW 250/265-R/F ROTA NCW 265/315 ROTA-S 250 ROTA-NCWF 250/315 ROTA THWB 265 THW 315-R
F 315 UNC 400 KTNC 360 KTNC 400 KTNCV 400 FNC 400 F+315	QJC-215	QJ 15	Duro 315 Duro-NC 315 Duro-NCE 400 Duro-NCES 400	ROTA-S plus 315 ROTA THW 400 THW 400-R/F ROTA-G 400 ROTA-S 315 ROTA THWB 315 THW 315-F



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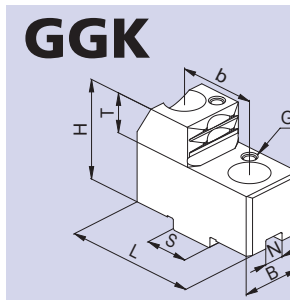
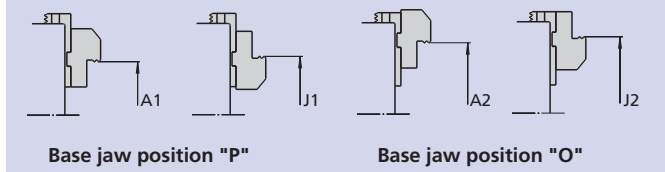


Hard roughing jaws
for SMW-AUTOBLOK chucks
with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	SMW- AUTOBLOK	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	HG-F 160	25-60	132-170	40-78	150-188
GGK 1753	012466								60	0.88		50-88	105-142	68-106	122-160
GGK 1754	012467								56	0.80		75-113	79-117	93-131	97-135
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	HG-F 210	29-56	186-240	37-94	224-280
GGK 2002	012470								66	1.28		60-117	125-182	89-155	163-220
GGK 2003	012471								66	1.19		97-153	88-145	135-191	126-183
GGK 2004	012472		40	15					87	1.39		-	54-86	-	68-124
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	HG-F 260	35-66	192-258	64-130	256-322
GGK 2502	012474								72	2.08		70-136	122-188	134-200	186-252
GGK 2503	012475								78	2.19		100-166	92-158	164-230	156-222
GGK 2504	012476								110	2.88		-	-	-	70-134
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	HG-F 315	60-102	200-280	88-182	280-375
GGK 4002	012479								91	3.58		124-218	84-178	204-298	164-258
GGK 4003	012480								147	5.50		-	70-160	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	HG-F 400	60-160	240-375	145-280	350-490
GGK 5002	012482								108	6.67		150-280	120-260	265-400	240-370
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-180	-	-

Clamping ranges



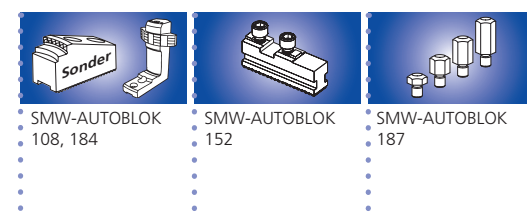
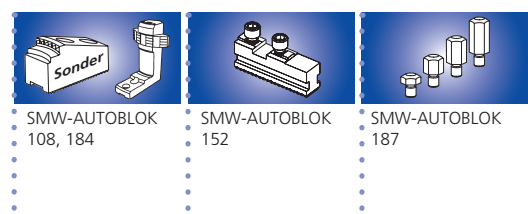
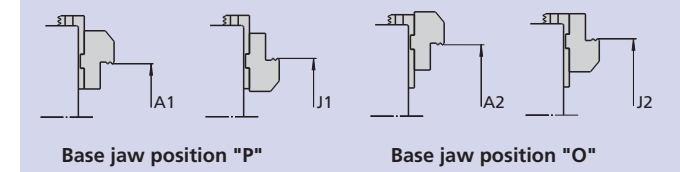
Hard roughing jaws
for Forkardt chucks
with quick jaw change

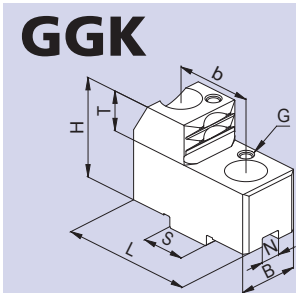
- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Forkardt	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	3 KTNC 160	25-38	-	-	-
GGK 1752	012465								68	0.92	KTNCV 160	-	135-150	45-72	-
GGK 1753	012466								60	0.88	F 160	-	105-122	72-102	-
GGK 1754	012467								56	0.80	F+160	-	78-94	102-128	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	3 KTNC 200	-	-	38-65	-
GGK 2002	012470								66	1.28	F 200	52-78	120-140	95-125	160-190
GGK 2003	012471								66	1.19	F+200	-	82-105	130-160	-
GGK 2004	012472		40	15					87	1.39	-	-	-	-	65-95
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	3 KTNC 250	-	180-216	72-102	262-290
GGK 2502	012474								72	2.08	F 250	-	120-150	140-172	-
GGK 2503	012475								78	2.19	F+250	-	104-120	170-202	-
GGK 2504	012476								110	2.88	-	-	-	-	80-108
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	3 KTNC 280	38-52	190-242	74-128	262-310
GGK 2502	012474								72	2.08	-	-	120-174	142-195	-
GGK 2505	012477		43	15					98	2.49	-	-	-	-	78-130
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	3 KTNC 360	50-110	220-300	105-190	295-380
GGK 4002	012479								91	3.58	F 315	140-225	110-185	220-305	-
GGK 4003	012480								147	5.50	F+315	-	90-215	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	3 KTNC 500	70-190	245-400	150-310	370-520
GGK 5002	012482								108	6.67	F+400	150-310	130-275	280-430	244-400
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	F 500 L	-	110-220	-	-
											F+500 L	-	-	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	3 KTNC 630	70-300	225-510	150-420	360-630
GGK 5002	012482								108	6.67	-	150-430	140-390	270-550	244-520
GGK 5003	012483	50	56	25					136	4.96	-	-	100-220	-	-

* Clamping ranges subjected to technical changes

Clamping ranges





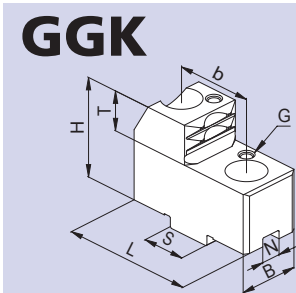
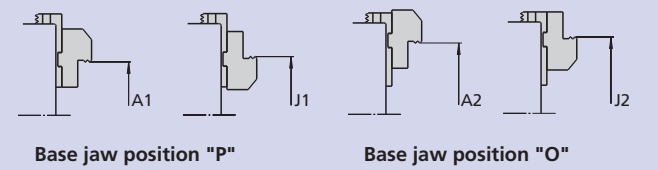
Hard roughing jaws
for Forkardt chucks
with quick jaw change

- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/Set	Forkardt	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	KTNCV 175	30-80	-	-	-
GGK 1752	012465								68	0.92	FNC 175	-	126-190	48-110	160-220
GGK 1753	012466								60	0.88		-	-	80-140	142-202
GGK 1754	012467								56	0.80		-	84-148	104-166	118-180
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	KTNCV 200	44-106	-	-	-
GGK 2002	012470								66	1.28	FNC 200	58-120	120-180	100-162	172-234
GGK 2003	012471								66	1.19		96-158	90-152	142-204	136-198
GGK 2004	012472		40	15					87	1.39		-	55-95	-	65-95
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KTNCV 250	40-90	200-285	80-170	272-360
GGK 2502	012474								72	2.08	FNC 250	75-163	128-216	150-238	220-308
GGK 2503	012475								78	2.19		95-183	102-190	172-260	172-260
GGK 2504	012476								110	2.88		-	75-100	-	88-176
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	KTNC 315	40-118	200-320	80-200	275-395
GGK 2502	012474								72	2.08	KTNCV 315	65-185	125-245	150-270	202-322
GGK 2505	012477		43	15					98	2.49	FNC 315	-	73-190	180-300	170-290
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	KTNC 400	50-180	220-340	100-265	315-425
GGK 4002	012479								91	3.58	KTNCV 400	140-260	120-220	220-340	185-305
GGK 4003	012480								147	5.50	FNC 400	-	95-215	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KTNCV 500	60-235	255-440	160-350	375-560
GGK 5002	012482								108	6.67	FNC 500	-	-	280-470	255-445
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	110-280	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	KTNCV 630	60-335	225-525	160-460	375-675
GGK 5002	012482								108	6.67	FNC 630	-	-	280-580	255-555
GGK 5003	012483	50	56	25					136	4.96		110-380	-	-	-

* Clamping ranges subjected to technical changes

Clamping ranges



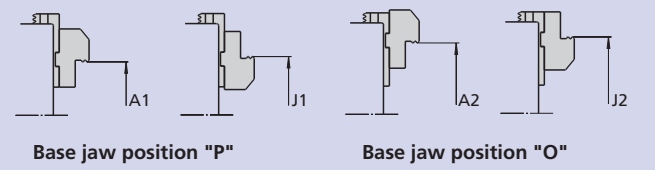
Hard roughing jaws
for Samchully chucks
with quick jaw change

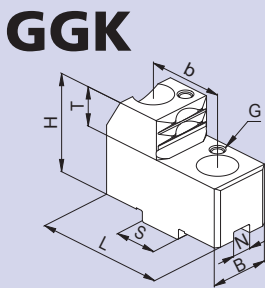
- Tongue & groove
- For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/Set	Samchully	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	QJC-206	25-62	133-171	33-80	155-190
GGK 1752	012465								68	0.92		32-61	134-172	42-79	153-181
GGK 1753	012466								60	0.88		52-89	107-145	70-107	125-163
GGK 1754	012467								56	0.80		77-115	81-118	95-133	99-137
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	QJC-208	30-69	-	45-106	-
GGK 2002	012470								66	1.28		67-132	131-197	105-170	169-235
GGK 2003	012471								66	1.19		104-169	95-160	141-207	134-199
GGK 2004	012472		40	15					87	1.39		-	68-110	-	74-148
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJC-210	45-85	197-274	61-148	254-342
GGK 2502	012474								72	2.08		78-154	132-208	141-218	195-272
GGK 2503	012475								78	2.19		107-184	109-175	159-247	152-238
GGK 2504	012476								110	2.88		-	-	-	80-156
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJC-212	40-126	207-320	104-214	295-406
GGK 2502	012474								72	2.08		86-196	138-248	173-284	225-336
GGK 2503	012475								78	2.19		115-226	109-218	203-314	196-306
GGK 2505	012477		43	15					98	2.49		197-285	78-164	261-371	139-249
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	QJC-215	78-188	258-378	143-263	333-453
GGK 4002	012479								91	3.58		-	140-263	258-378	-
GGK 4003	012480								147	5.50		-	118-243	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	QJC-220	100-210	280-420	210-350	415-560
GGK 5002	012482								108	6.67		-	155-295	330-470	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	100-240	-	-

* Clamping ranges subjected to technical changes

Clamping ranges





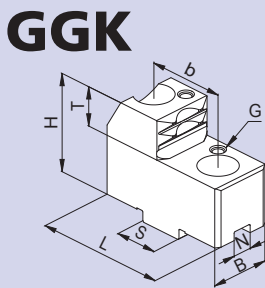
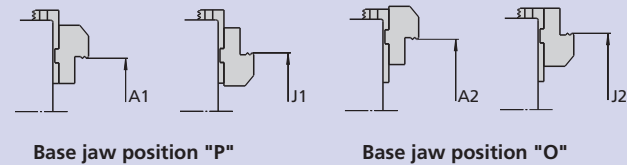
Hard roughing jaws
for Kitagawa chucks
with quick jaw change

■ Tongue & groove
■ For internal and external clamping

Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Kitagawa	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	QJ 8" (QJ 210-43)	30-62	-	61-110	-
GGK 2002	012470								66	1.28		68-117	134-183	116-165	182-230
GGK 2003	012471								66	1.19		105-154	-	153-280	-
GGK 2004	012472		40	15					87	1.39		-	60-89	-	88-135
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJ 10" (QJ 254-65)	40-78	197-270	82-154	-
GGK 2502	012474								72	2.08		76-148	127-200	152-224	-
GGK 2503	012475								78	2.19		98-170	-	174-246	-
GGK 2504	012476								110	2.88		-	67-135	-	142-215
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	QJ 12" (QJ 315-78)	40-96	-	101-174	-
GGK 2502	012474								72	2.08		82-166	138-236	170-244	238-316
GGK 2503	012475								78	2.19		104-188	-	192-266	208-286
GGK 2505	012477		43	15					98	2.49		-	80-175	-	-

* Clamping ranges subjected to technical changes

Clamping ranges



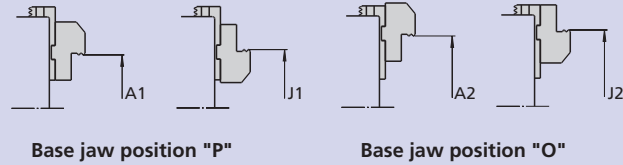
Hard roughing jaws
for Röhms chucks
with quick jaw change

■ Tongue & groove
■ For internal and external clamping

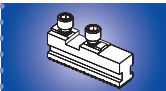
Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Röhms	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	Duro-NC 160	28-70	-	-	-
GGK 1752	012465								68	0.92	Duro-NCE 160	-	138-180	50-100	-
GGK 1753	012466								60	0.88	Duro 160	-	110-150	85-135	-
GGK 1754	012467								56	0.80		-	85-120	110-160	-
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	Duro-NC 175	36-78	-	-	-
GGK 1752	012465								68	0.92		-	146-188	58-108	-
GGK 1753	012466								60	0.88		-	118-158	93-143	-
GGK 1754	012467								56	0.80		-	93-128	118-168	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	Duro-NC 200	-	-	28-75	-
GGK 2002	012470								66	1.28	Duro-NCE 200	55-130	125-195	100-180	170-240
GGK 2003	012471								66	1.19	Duro 200	-	90-160	140-210	-
GGK 2004	012472		40	15					87	1.39		-	55-100	-	-
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	Duro-NC 250	38-95	195-280	80-160	270-300
GGK 2502	012474								72	2.08	Duro-NCE 250	-	125-205	145-225	-
GGK 2503	012475								78	2.19	Duro 250	-	110-180	180-260	-
GGK 2504	012476								110	2.88		-	-	-	80-170
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	Duro-NCE 315	66-139	223-324	108-204	298-344
GGK 2502	012474								72	2.08		-	153-249	173-269	-
GGK 2503	012475								78	2.19		-	138-224	208-304	-
GGK 2504	012476								110	2.88		-	-	-	108-214
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	Duro-NC 315	50-150	220-330	120-220	-
GGK 4002	012479								91	3.58	Duro 315	-	110-220	220-320	-
GGK 4003	012480								147	5.50		-	85-200	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	Duro-NCE 400	128-206	298-386	198-276	-
GGK 4002	012479								91	3.58		-	188-276	298-376	-
GGK 4003	012480								147	5.50		-	163-256	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	Duro-NC 400	65-175	260-380	165-285	380-430
GGK 5002	012482								108	6.67	Duro 400	-	140-260	285-400	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	105-200	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	Duro-NCE 500	101-289	-	-	436-604
GGK 5002	012482								108	6.67		-	296-494	221-404	-
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96		-	176-374	346-534	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	Duro-NC 500	65-235	260-440	185-350	400-550
GGK 5002	012482								108	6.67	Duro 500	-	140-320	310-480	-

* Clamping ranges subjected to technical changes

Clamping ranges



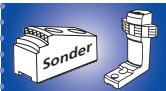
SMW-AUTOBLOK
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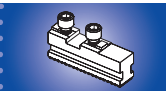
SMW-AUTOBLOK
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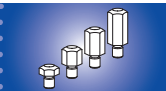
SMW-AUTOBLOK
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SMW-AUTOBLOK
108, 184

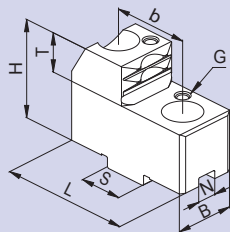


SMW-AUTOBLOK
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SMW-AUTOBLOK
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GGK



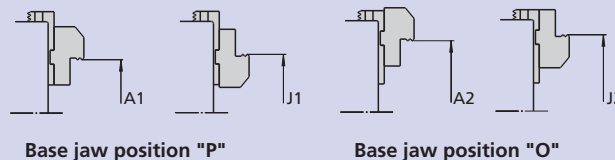
Hard roughing jaws for Schunk chucks with quick jaw change

- Tongue & groove
- For internal and external clamping

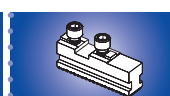
Type	Id. No.	B	H	T	G	N	S	b	L	kg/ Set	Schunk	Clamping ranges Ø*		Clamping ranges Ø*	
												External-A ₁	Internal-J ₁	External-A ₂	Internal-J ₂
GGK 1751	012464	25	40	16	M5	8	18	32	64	0.91	ROTA-S 160	25-50	-	-	-
GGK 1752	012465								68	0.92	ROTA-S PLUS 160	-	133-160	38-67	-
GGK 1753	012466								60	0.88		-	105-134	66-95	-
GGK 1754	012467								56	0.80		-	78-106	95-125	-
GGK 2001	012469	28	45	20	M5	10	20	40	88	1.52	ROTA-S 200	30-55	185-230	45-94	-
GGK 2002	012470								66	1.28	THW 210-F	60-110	130-178	100-145	165-215
GGK 2003	012471								66	1.19	ROTA-S PLUS 200	100-150	90-135	140-185	130-175
GGK 2004	012472		40	15					87	1.39	ROTA-NC-WF 210	-	55-84	-	70-120
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38	ROTA-S 250	35-70	200-265	65-138	265-330
GGK 2502	012474								72	2.08	THW 250-F	80-145	130-195	143-205	190-260
GGK 2503	012475								78	2.19	THW 265-F	110-175	100-165	174-237	165-230
GGK 2504	012476								110	2.88	ROTA-NC-WF 250	-	-	-	80-145
											ROTA-S PLUS 250	-	-	-	-
											ROTA-NC-WF 315	40-92	205-280	94-179	294-370
GGK 2501	012473	40	50	22	M6	12	20	40	94	2.38					
GGK 2502	012474								72	2.08		85-161	135-210	170-249	219-300
GGK 2503	012475								78	2.19		115-190	105-180	203-278	194-270
GGK 2505	012477		43	15					98	2.49		-	85-150	-	-
GGK 4001	012478	50	55	25	M8	12	26	54	104	4.01	ROTA-S 315	50-162	230-350	118-240	305-430
GGK 4002	012479								91	3.58	THW 315-F	162-283	110-230	240-360	190-308
GGK 4003	012480								147	5.50	THW 400-F	-	100-220	-	-
											ROTA-S PLUS 315	-	-	-	-
GGK 5001	012481	60	74	35	M8	18	30	60	125	7.58	ROTA-S 400	80-190	260-400	170-310	380-520
GGK 5002	012482								108	6.67	ROTA-S 500	170-310	140-280	265-405	260-400
GGK 5003	012483	50	56	25	M8	18	30	60	136	4.96	THW 500-F	-	100-210	-	-
											ROTA-S PLUS 400	-	-	-	-
											ROTA-S PLUS 500	-	-	-	-

* Clamping ranges subjected to technical changes

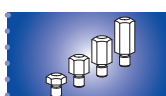
Clamping ranges



• SMW-AUTOBLOK
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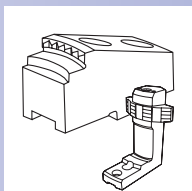


• SMW-AUTOBLOK
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• SMW-AUTOBLOK
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Accessories

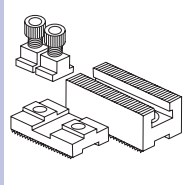


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SPECIAL

Special jaws

- To customer request

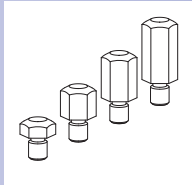


Page 186

AD

Conversion jaws

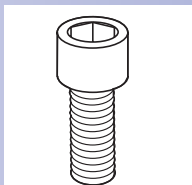
- Serration
- Tongue & groove



Page 187

ALB

Stop pins



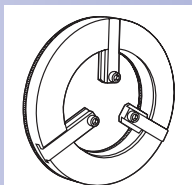
Page 187

GM

GF

Jaw mounting bolts

- ISO 4762, Class 12.9
- For base jaws type GBK, GBK-2G, GBKS, GBK-B, GBK-B-2G, MFG



Page 188

ADVL

Light version

ADVS

Heavy version

Boring fixture

- To bore jaws on the chuck



Page 189

ADS

Boring rings

- To bore jaws on the chuck



Page 189

RPS

Dress and cleaning plate

- Inch and metric serration
- To clean and dress top jaws

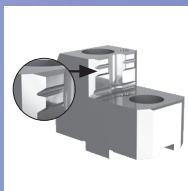


Page 190

Gripping force tester GFT®-X 4.0

Multi Device Tablet with expert apps

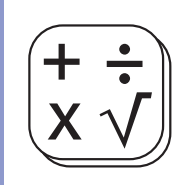
- Wireless handheld with rechargeable battery
- Dynamic or static gripping force measuring
- Speed measuring
- Display Software



Page 193

Repair service

- Refurbishing of the clamping area and or the serration of worn out jaws



Page 194

Calculation service

- Grip force
- Deformation

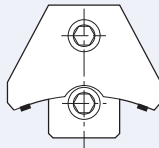
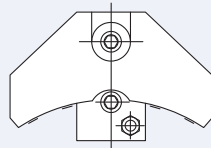
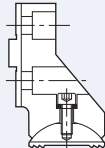
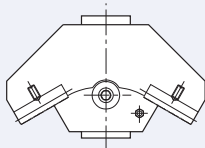
Datasheet for special
hard or soft top jaws (Page 1 / 2)

■ Simply copy and fax to: +49 (0) 7542 3886
■ Download from www.smw-autoblok.de

Contact data	
Company:	
Customer-No. (if known):	Telephone:
Street:	Fax:
Zip Code/ Village:	E-Mail:
Contact:	Contact at SMW-AUTOBLOK (if known):
Department:	Date:

Workpiece			
>> Attention: Mark the clamping and locating area of the work piece in your drawing.			
Work piece type:			
Material:		KS-factor:	
Clamping area:	<input type="checkbox"/> raw	<input type="checkbox"/> pre machined	<input type="checkbox"/> finish machined
Marks from gripping allowed:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Deformation allowed:	<input type="checkbox"/> Yes:	mm	<input type="checkbox"/> No

Process			
<input type="checkbox"/> Turning	<input type="checkbox"/> Milling	<input type="checkbox"/> Drilling	<input type="checkbox"/> Roughing
<input type="checkbox"/> Finishing	<input type="checkbox"/> Grinding	<input type="checkbox"/> with coolant	<input type="checkbox"/> dry machining
<input type="checkbox"/> Other			
Max. machining speed in rpm:		Max. machine speed in rpm:	
Feed per rev. in mm/rev:		Cutting depth in mm:	

Jaw version			
<input type="checkbox"/> 1. OP	<input type="checkbox"/> Gripper jaws	<input type="checkbox"/> See datasheet (Special jaws on customer request)	
<input type="checkbox"/> 2. OP	<input type="checkbox"/> Soft jaws	<input type="checkbox"/> non serrated clamping area	<input type="checkbox"/> diamond serration
<input type="checkbox"/> Slot and serration milled		<input type="checkbox"/> Slot and serration ground	
<input type="checkbox"/> Clamping and location surface pre machined for finishing on the machine at the customer			
<input type="checkbox"/> Turn over clamping = both ops. in one jaw set			
<input type="checkbox"/> 6 point clamping radial	<input type="checkbox"/> 12 point clamping radial	<input type="checkbox"/> axial swivelling	<input type="checkbox"/> axial und radial swivelling
			

Datasheet for special
hard or soft top jaws (Page 2 / 2)

■ Simply copy and fax to: +49 (0) 7542 3886
■ Download from www.smw-autoblok.de

Power chuck			
Manufacturer:			
Type and Size:			
Number of jaws:			
Jaw mounting:	<input type="checkbox"/> Slot and serration (If it is a special chuck please send a drawing!)		
	<input type="checkbox"/> Slot width:	mm	
Serration:	<input type="checkbox"/> 1/16" x 90°	<input type="checkbox"/> 3/32" x 90°	<input type="checkbox"/> 1.5 x 60°
	<input type="checkbox"/> 3 x 60°	<input type="checkbox"/> Modul 2	
	<input type="checkbox"/> Tongue and groove (If it is a special chuck please send a drawing!)		
	<input type="checkbox"/> Other:		

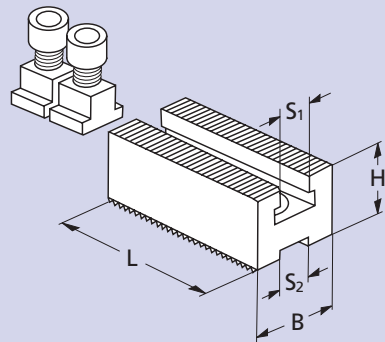
Machine	
Max. Schwing-Ø in mm:	<input type="checkbox"/> Dynamic balancing with work piece
Machine spindle:	<input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical
	<input type="checkbox"/> Inverted
Loading:	<input type="checkbox"/> Manual <input type="checkbox"/> automatic (send information about interference with loader!)

Other

Hard conversion jaws
serration/tongue & groove ground

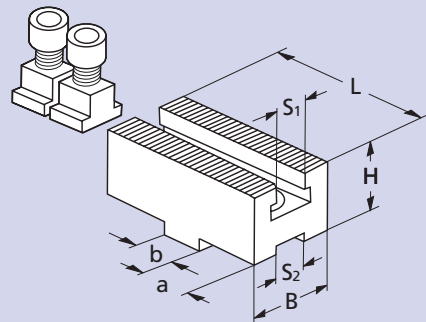
- To mount top jaws to chucks with different master jaw dimensions
- Simply copy and fax to: +49 (0) 7542 3886
- Download from www.smw-autoblok.de

Conversion jaw type AD 10



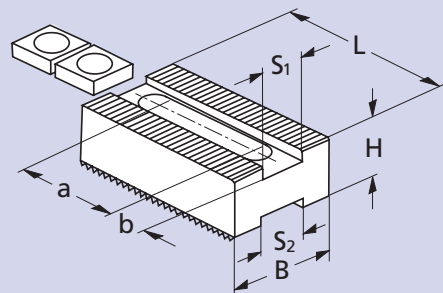
Dimensions				
Serration chuck side (please mark)				
	1/16" x 90°		1.5 x 60°	
	3/32" x 90°		3 x 60°	
S2		mm		
Serration jaw side (please mark)				
	1/16" x 90°		1.5 x 60°	
	3/32" x 90°		3 x 60°	
S1		mm	B	mm
H		mm	L	mm
Chuck manufacturer				
Chuck type + Size				
Fine serration on both sides. T-nuts and bolts are special according to the existing top jaws.				

Conversion jaw type AD 50



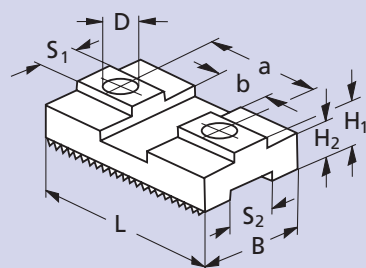
Dimensions				
Serration jaw side (please mark)				
	1/16" x 90°		1.5 x 60°	
	3/32" x 90°		3 x 60°	
S1		mm	B	mm
H		mm	L	mm
a		mm	b	mm
S2		mm		
Chuck manufacturer				
Chuck type + Size				
Tongue and groove on the chuck and fine serration on the jaws. T-nuts and bolts are special according to the existing top jaws.				

Conversion jaw type AD 30



Dimensions				
Serration chuck side (please mark)				
	1/16" x 90°		1.5 x 60°	
	3/32" x 90°		3 x 60°	
S2		mm		
Serration jaw side (please mark)				
	1/16" x 90°		1.5 x 60°	
	3/32" x 90°		3 x 60°	
S1		mm	B	mm
H		mm	L	mm
a		mm	b	mm
Chuck manufacturer				
Chuck type + Size				
Fine serration on both sides. The conversion jaw has a slot so that it can match different bolts patterns.				

Conversion jaw type AD 80



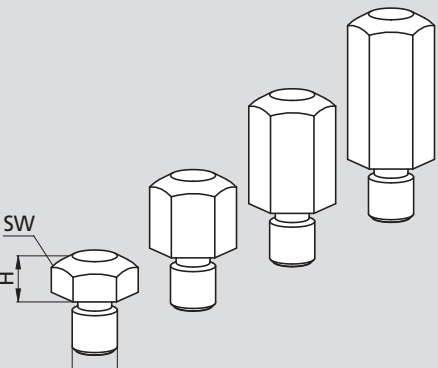
Dimensions				
Serration chuck side (please mark)				
	1/16" x 90°		1.5 x 60°	
	3/32" x 90°		3 x 60°	
S1		mm	B	mm
H1		mm	L	mm
H2		mm	a	mm
S2		mm	b	mm
Chuck manufacturer				
Chuck type + Size				
Tongue and groove on the jaw and fine serration the chuck. The size and position of the holed D are depending on the existing T-nuts.				

Stop pins

ALB

Stop pins ALB

SMW-AUTOBLOK Type	Id. No.	G	H	SW
ALB 505	016510	M5	5	10
ALB 510	016508	M5	10	10
ALB 515	016509	M5	15	10
ALB 605	016513	M6	5	10
ALB 610	016511	M6	10	10
ALB 615	016512	M6	15	10
ALB 620	017602	M6	20	10
ALB 805	017603	M8	5	13
ALB 810	016514	M8	10	13
ALB 815	016515	M8	15	13
ALB 820	016516	M8	20	13
ALB 825	081191	M8	25	13



Jaw mounting bolts
for base jaws type GBK, GBK-2G, GBKS, GBK-B,
GBK-B-2G, MFG

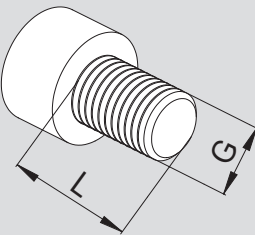
GM

GF

- Screw ISO 4762, Class 12.9

Jaw mounting bolts

Type	Id. No.	G x Length	SMW-AUTOBLOK Base jaws
GM 820	010182	M8 x 20	GBK 140 GBK 160 GBK 200 GBK-2G 170 GBK-2G 200 GBKS 200 GBKB 210
GM 1225	015524	M12 x 25	GBK 250 GBK 260 GBK 315 GBK-2G 250 GBK-2G 315 GBKS 250 GBKS 315 GBKB 315
GM 1230	010207	M12 x 30	GBK 400 GBK-2G 400 GBKS 400 GBKB 400
GM 1645	010448	M16 x 45	GBK 500 GBK 630 GBK-2G 500 GBK-2G 630 GBKB 500 GBKB 630 GBKB 800 GBK-B-2G 630 GBK-B-2G 800
GM 2045	082498	M20 x 45	MFG 630
GF 820	084331	M8 x 1 x 20	MFG 160 MFG 200
GF 1230	087603	M12 x 1.5 x 30	MFG 250
GF 1235	087733	M12 x 1.5 x 35	MFG 315
GF 1640	086405	M16 x 1.5 x 40	MFG 400



ADVL

ADVS

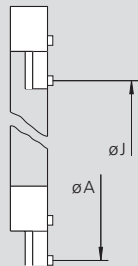
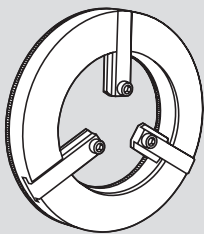
Boring fixture

■ To bore jaws on the chuck

Boring fixture ADVL

- For low grip forces up to 3000 daN.
- To bore soft or quenched jaws on manual chucks.
- Adjustment of the clamping diameter by turning the scroll or reversing the inserts.
- The fixture can cover a large range.

Light duty version

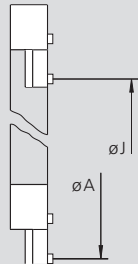
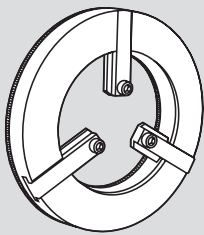


Type	Id. No.	External-Ø mm	Internal-Ø mm	Clamping range		Grip force max (daN)	Weight kg/piece
				A	J		
ADVL 150	081903	153	110	von 150 bis 215	von 50 bis 115	1500	1.5
ADVL 180	081904	176	110	von 170 bis 260	von 35 bis 125	3000	3.3
ADVL 220	081905	215	135	von 215 bis 285	von 70 bis 140	3000	5.2
ADVL 250	081906	244	162	von 240 bis 315	von 100 bis 175	3000	5.6
ADVL 290	081907	290	208	von 290 bis 360	von 145 bis 215	3000	6.8

Boring fixture ADVS

- For higher grip forces up to 7500 daN.
- To bore soft or quenched jaws on manual or power chucks.
- To grind hard jaws on manual or power chucks.
- Mainly used on power chucks.
- Adjustment of the clamping dia. by turning the scroll or reversing the inserts.
- The fixture can cover a large range.

Medium duty version



Type	Id. No.	External-Ø mm	Internal-Ø mm	Clamping range		Grip force max (daN)	Weight kg/piece
				A	J		
ADVS 230	081910	225	135	von 229 bis 305	von 81 bis 157	4500	7.0
ADVS 290	081909	288	184	von 292 bis 368	von 128 bis 204	6000	11.5
ADVS 370	081911	370	250	von 388 bis 464	von 208 bis 284	7500	21.0

Boring rings

ADS

■ To bore jaws on the clamping chuck

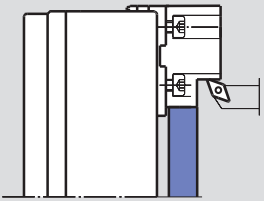
ADS, Id. No. 082689

Parts included:

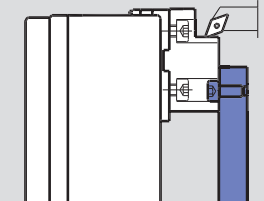
- Packing box
- Boring rings 36 pieces
- Loading tool



Applications



external clamping



internal clamping

The advantages of the
SMW-AUTOBLOK boring rings for jaws:

- Complete set to bore all dia. from 20 to 150 mm.
- Set consisting of 36 rings Ø 20 - 50 mm each stepped 2 mm. From Ø 50 - 150 mm stepped in 5 mm increments.
- Clearly organized in packing box.
- Rings from Ø 105 mm and up have 3 tapped holes for clamping bolts to machine jaws for internal gripping.
- Rigid design. Rings are 10 mm thick, quenched for greater durability.
- Loading tool is used for the safe insertion of the rings without danger of injuries.

Recommendations:

For highest repeatability and accuracy please follow these instructions:

- Always tighten mounting bolts of the top jaws with a torque wrench.
- Always position boring rings as close as possible to the clamping area.
- Always bore top jaws at machining pressure.

- With 2 different fine serrations to clean and dress top jaws
- With fine serration inch/metric

Dress and cleaning
plate RPS



SMW-AUTOBLOK Type	Id. No.	Serration		kg
		upper side	lower side	
RPS-D	081912	1/16" x 90°	3/32" x 90°	7.8
RPS-M	081914	1.5 x 60°	3 x 60°	7.8
RPS-MD	081913	1.5 x 60°	1/16" x 90°	7.8

Parts included:

- Dress and cleaning plate
- 1 tube of grinding paste
- Wooden box

Extra grinding paste:

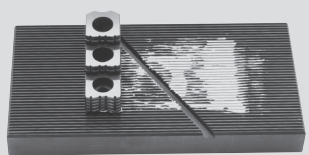
Id. No. 037133

- Dress and cleaning plate, hardened, precision ground serrations.
- 2 different serrations, on the upper and lower side of the plate. Just turn it!
- Rapid cleaning of the top jaws serration. Swarf and dirt is accumulated in the diagonal groove.
- Dressing of light damage on the serration by using the grinding compound.

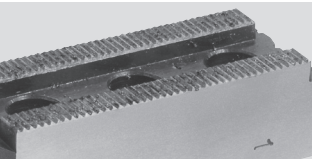
Dressing and cleaning of serration



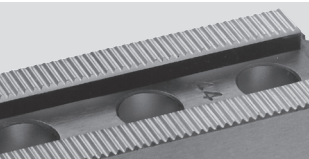
Apply grinding compound (corn 320) near the outer edge.



Put the jaw on the grinding compound and move it back and forth, with a light pressure.



Dirty/damaged serration



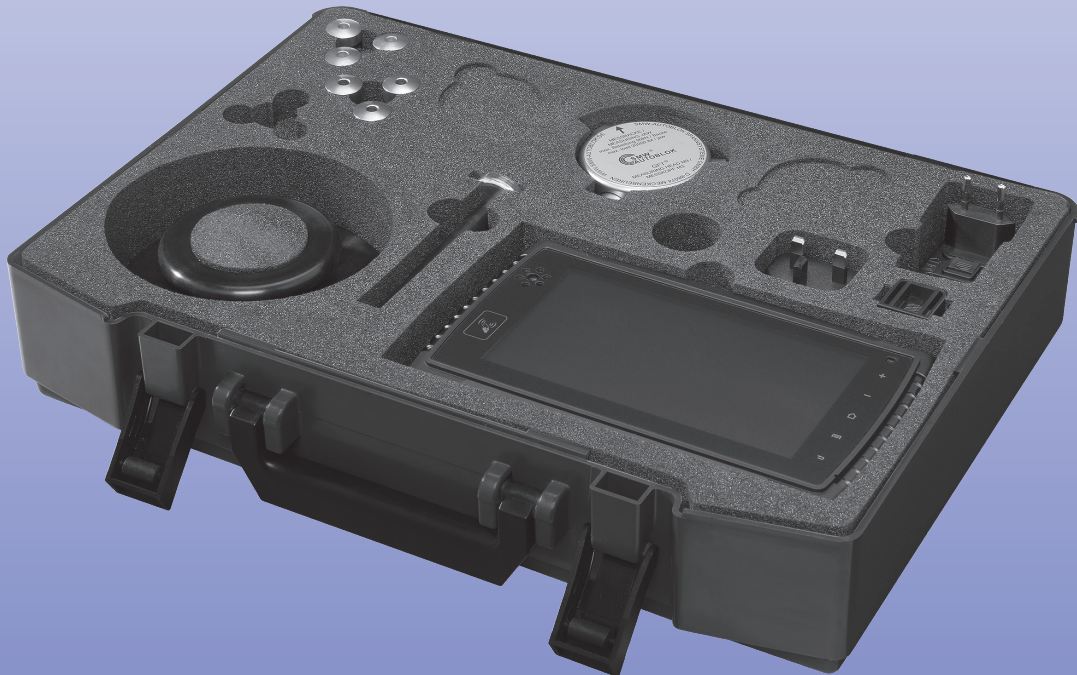
Serration after dressing and cleaning

MULTI DEVICE

Gripping Force Tester

GFT-X 4.0

Wireless gripping force and speed measuring of jaw chucks and collet chucks in dynamic or static measuring mode.



Features GFT-X 4.0

- **Wireless data transfer** from measuring head to table via Bluetooth for the measuring of dynamic and static clamping forces and speed (with included bracket)
- **Built-in camera** in tablet
- **Assistance systems:** Manuals, Jaw Finder, Chuck Finder, Technical calculations
- **Rechargeable battery**, operation time in use: 8h
- **Smart user interface**
- Tablet suitable for **industrial use** (Protection class IP 67)
- **Display** kN or lbf
- **Languages:** German, English, Italian, Spanish, Russian, Chinese and Japanese
- **Measured clamping forces can be evaluated** by the integrated software or by the display software on Laptop / PC
- **4 Measuring heads** for jaw chucks and **2 Measuring heads** for collet chucks



Gripping force tester – GFT-X 4.0 with measuring head



Measuring heads

M3/M4
Measuring heads for jaw chucks
Clamping-Ø 72 to 108 mm



Measuring head convertible for 2 and 3 jaws

Measuring head	Range/gripping force	
	2 Jaws	3 Jaws
M3	0 to 180 kN	0 to 270 kN
	Id. No. 207074	
M4	0 to 30 kN	0 to 45 kN
	Id. No. 207259	



Separate measuring head for 2, 3 and 6 jaws

Measuring head	Range/gripping force
	6 Jaws
M3-6	0 to 270 kN
	Id.No. 207586
M4-6	0 to 45 kN
	Id. No. 207587

M2
Measuring head for collet chucks
Clamping-Ø 42 mm



For collets with 3 segments

Measuring head	Range/gripping force
	Collets
M2	0 to 120 kN
	Id. No. 207258

M1
Measuring head for collet chucks
Clamping-Ø 18 mm



For collets with 3 segments

Measuring head	Range/gripping force
	Collets
M1	0 to 75 kN
	Id. No. 207257

GFT-X 4.0

Gripping Force Tester

Expert Multi Device

- Technical data
- Ordering review

Standard equipment with GFT-X 4.0

- Case with:
- Large Multi Device Tablet
 - Measuring head M3 (2 and 3 jaws) for jaw chucks with extensions and loading device
 - Torx-key T15 and spare screws
 - Bracket with magnet for measuring of speed
 - Loading cable with USB port
 - USB cable for Tablet
 - Adapter for USA, UK and Southern Europe

Ordering data

GFT-X 4.0 case incl. Tablet, Measuring head M3 (2 and 3 jaws) Id. No. 206844

Option:

- | | | |
|--|---------|--------|
| Measuring head M1 (for collet chucks) | Id. No. | 207257 |
| Measuring head M2 (for collet chucks) | Id. No. | 207258 |
| Measuring head M3 (2 and 3 jaws) | Id. No. | 207074 |
| Measuring head M4 (2 and 3 jaws, high-precision) | Id. No. | 207259 |
| Measuring head M3 (6 jaws) | Id. No. | 207586 |
| Measuring head M4 (6 jaws, high-precision) | Id. No. | 207587 |



Display software PC/ Laptop

- The data transfer is via an USB interface.
- The software can be run under all standard windows systems.

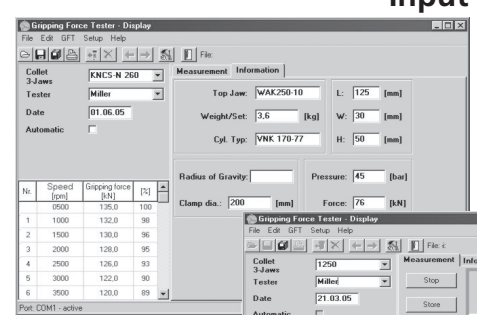
Input

- Automatic measuring of the data (gripping force - speed)
- The number of measuring steps can be programmed free.

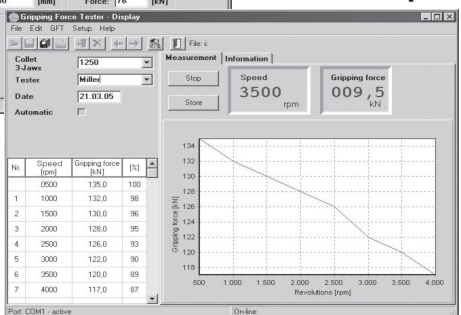
Output

- Table gripping force / speed
- Diagram gripping force / speed

Input



Output

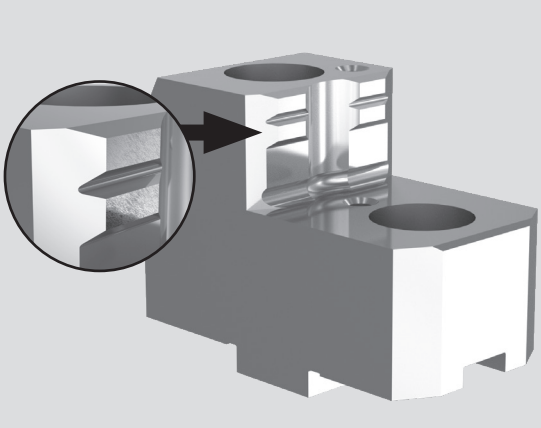


Repair service

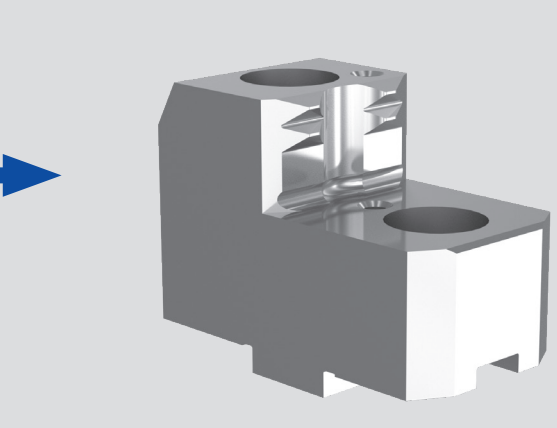
- Refurbishing of the clamping area and / or the serration of worn out jaws

Example roughing jaws

Worn out/damaged

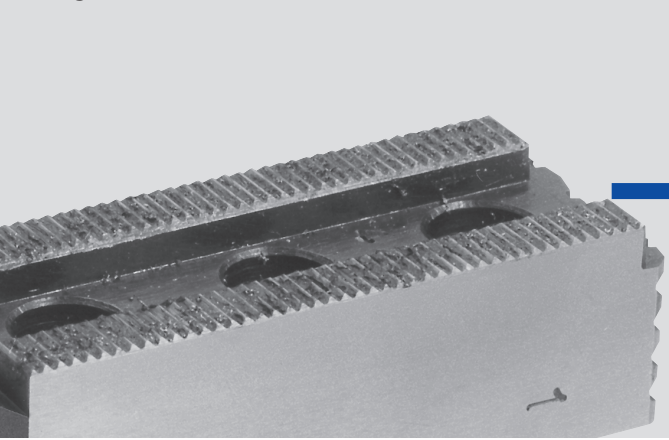


Refurbished

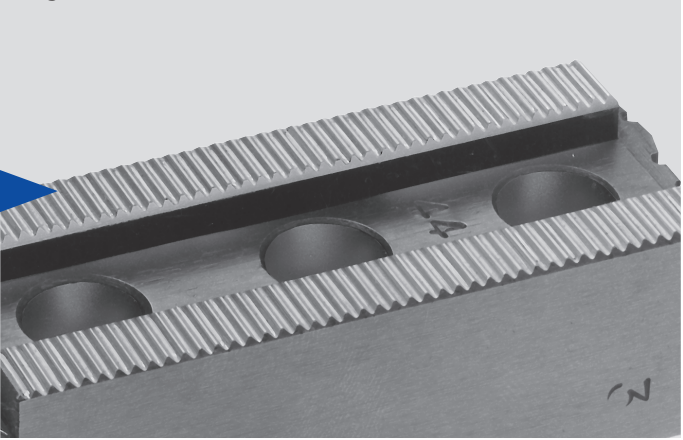


Example serration

Damaged



Reground



Repairs are done quickly and economic.
For quotation please send in your jaws as a complete set.

Technical data

Tablet	
Display/ Grip force F – speed	Display in kN/lbf - r.p.m
Data transfer	Bluetooth 4.0
Power supply/ Transformer	100/ 240 V AC, 50 to 60 Hz
Distance Tablet/ Measuring head	1-4 m (appr.)
Interface PC/ Laptop	USB 2.0
Operating temp.	0 to 40° (32°C-100 °F)
Protection class	IP 67

Warning: Machine door must be closed while measuring head is rotating!

Measuring heads				
	Measuring head M1	Measuring head M2	Measuring head M3	Measuring head M4
Application	collet Ø 18	collet Ø 42	chuck 2/3 or 2/3/6 jaws	
Clamping diameter	18 mm	42 mm	72 to 108 mm	72 to 108 mm
No. of jaws	collet 3 x slotted	collet 3 x slotted	2 and 3 jaws / 6 jaws	
Power supply	internal rechargeable capacitor			
Capacity of power supply	ca. 1.5 h at 50 % d.c.			
Data transfer	Bluetooth 4.0			
Range/gripping force F max.	0 to 75 kN	0 to 120 kN	0 to 180 kN (2-jaws) 0 to 270 kN (3/6-jaws)	0 to 30 kN (2-jaws) 0 to 45 kN (3/6-jaws)
Speed r.p.m	<10.000 r.p.m.	<8.000 r.p.m.	<6.000 r.p.m.	<6.000 r.p.m.
Accuracy (F/r.p.m)	<5 %/<1 % fsr	<5 %/<1 % fsr	<3 %/<1 % fsr	<1.5 %/<1 % fsr

Calculation Service

■ We can provide a calculation of deformation for thin walled components when clamping with the chuck

Verform -03.03.02/MR SMW-AUTOBLOK

Kunde: Beispiel 1

Werkstück-Nr:

Werkstück-Daten

Aussendurchmesser AD

100 mm

Innendurchmesser ID

80 mm

Einspanntiefe L1

15 mm

Werkstoff

Stahl

Werkstück-Spannung

3-Punkt Spannung

6-Punkt Spannung

drucken

beenden

Futter-Spannkraft

7000 daN

berechnen

Berechnung der Verformung 3-Punktspannung

Werkstückverformung t

0,3265 mm

Please note:
The roundness of the work piece is affected by the clamping, as well as by the accuracy of the machine, the tool and the work piece characteristic.

Calculation service

■ We can calculate the necessary gripforce for SMW-AUTOBLOK chucks for your machining process.

ESPK1.3 SMW-AUTOBLOK

Kunde: Beispiel 1

Werkstück-Nr:

Bearbeitungs-Daten

Spanndurchmesser dsp

100 mm

Zerspanndurchmesser dz

80 mm

Vorschub

0.2 mm/Umdr.

Schnitttiefe

2 mm

Einstellwinkel χ_r

45

Drehzahl

4500 min⁻¹

Werkstück-Daten

Werkstoff

16 Mn Cr5

Werkstückoberfläche

geschliffen

geschliffen

roh

Spann-Verhältnis

l_z/l_{sp} <= 3

Backen-Daten

Backenlänge

72 mm

Backenbreite

22 mm

Backenhöhe

38 mm

Schwerpunktradius Aufsatzbacke

94 mm

Backenspannfläche

glatt

Pflastersteinverzahnung

Spitzverzahnung

Spannfutter-Daten

Spannfutter-Typ

KNCS-N

Spannfutter-Größe

210

max. zul. Spannkraft

10000 daN

für die Bearbeitung erforderlichen Kräfte

berechnen

Haupt-schnittkraft

114 daN

Futterspannkraft bei statischer Anwendung

405 daN

Futterspannkraft bei dynamischer Anwendung

5054 daN

drucken

beenden

Die angezeigten Werte sind RICHT-WERTE. Bei der Bearbeitung eventuell auftretende zusätzliche Faktoren wurden nicht berücksichtigt. Die Verantwortung zur Prüfung der angezeigten Werte hat der Anwender zu tragen. Garantieleistungen bzw. Forderungen jeglicher Art können nicht gewährt werden.

Verform -03.03.02/MR SMW-AUTOBLOK

Kunde: Beispiel 2

Werkstück-Nr:

Werkstück-Daten

Aussendurchmesser AD

100 mm

Innendurchmesser ID

80 mm

Einspanntiefe L1

15 mm

Werkstoff

Stahl

Werkstück-Spannung

3-Punkt Spannung

6-Punkt Spannung

drucken

beenden

Futter-Spannkraft

7000 daN

berechnen

Berechnung der Verformung 6-Punktspannung

Werkstückverformung t

0,0187 mm

Please note:
The roundness of the work piece is affected by the clamping, as well as by the accuracy of the machine, the tool and the work piece characteristic.

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SMW-AUTOBLOK 195

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SMW-AUTOBLOK Catalogs

The following SMW-AUTOBLOK catalogs are available:

- >> Turning catalog
- >> Stationary Workholding catalog
- >> Jaws catalog
- >> Grinding catalog
- >> OCTG catalog
- >> Steady Rests brochure
- >> Product Overview

Ask for our complete catalogs Turning and Stationary Workholding:



Download:
www.smw-autoblok.de

SMW-AUTOBLOK

Service Benefits

>> **Service hotline**

Hotline +49 (0) 7542 - 405 - 140

>> **Worldwide**

Service and support on site

>> **Rapid task force**

Global reach in less time,
technical problem-solving skills

>> **Repair**

Quick Repair, express service on request

>> **Original spare parts**

Relevant spare parts are available from stock

>> **Training**

Individual training courses

>> **Run-off**

Run-off and support at the point of use

>> **Maintenance**

Scheduled maintenance, at SMW-AUTOBLOK or at the customer

>> **Warranty**

Warranty of 24 month on request

>> **Kontakt**

SMW-AUTOBLOK Serviceteam

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