



ROTA-G

Jaw quick-change chuck with
straight serrated base jaw
interface

Versatile useable manual lathe chuck with jaw quick-change system for jaw change in 60 seconds.

The ROTA-G manual lathe chuck is designed for storage solutions and conventional lathes without hydraulic or pneumatic cylinders. Due to the base jaws with straight serration, this chuck is compatible with the ROTA THW3 and ROTA THW plus power lathe chucks, as well as the "R" system (Reishauer). Thanks to the quick-change system, the lathe chucks are suitable for flexible production from batch size 1 and there is no need to rebores the jaws on the chuck.



Advantages – Your benefits

- + Convenient jaw quick-change system**
Minimizing set-up times and costs
- + Hardened and extremely rigid base body**
Therefore a longer service life at highest precision.
Even with maximum clamping force
- + Large through-hole**
Machining all standard pipe diameters
- + High efficiency of the wedge bar system**
Process-reliable clamping due to high clamping forces
- + High jaw quick-change repeat accuracy**
No reboring of already machined jaws necessary
- + Visual safety devices**
Maximum operating safety
- + Excellent clamping force/torque ratio**
Perfect use of the machine performance
- + Straight serrated base jaws GBK are compatible to system "R" (Reishauer)**
Flexible clamping of small and large workpieces
- + Ergonomic, light safety spanner wrench**
Ensures easy operation
- + Very easy handling**
Optimal operator convenience
- + All sides of the functional parts are hardened and ground**
High run-out and jaw change repeat accuracy

Technical data

Description	Max. rotational speed [min ⁻¹]	Max. clamping force [kN]	Max. torque [Nm]	Stroke/jaw [mm]	Through-hole [mm]
ROTA-G 200-62	4600	95	90	6.8	62
ROTA-G 250-82	4000	160	200	7.1	82
ROTA-G 315-102	3200	200	210	8.5	102

Technical data

Spindle type	Spindle size	ID	Max. rotational speed [min ⁻¹]	Max. clamping force [kN]	Max. torque [Nm]	Weight [kg]
-	Z185	0815010	4600	95	90	16.3
ISO 702-3	Nr. 4	0815011	4600	95	90	20
ISO 702-3	Nr. 5	0815012	4600	95	90	20.2
ISO 702-3	Nr. 6	0815013	4600	95	90	20.1
ISO 702-3	Nr. 8	0815014	4600	95	90	22.7
ISO 702-2	Nr. 4	0815015	4600	95	90	21
ISO 702-2	Nr. 5	0815016	4600	95	90	21
ISO 702-2	Nr. 6	0815017	4600	95	90	21.3
ISO 702-1	Nr. 4	0815018	4600	95	90	19.4
ISO 702-1	Nr. 5	0815019	4600	95	90	19.1
ISO 702-1	Nr. 6	0815047	4600	95	90	18.8

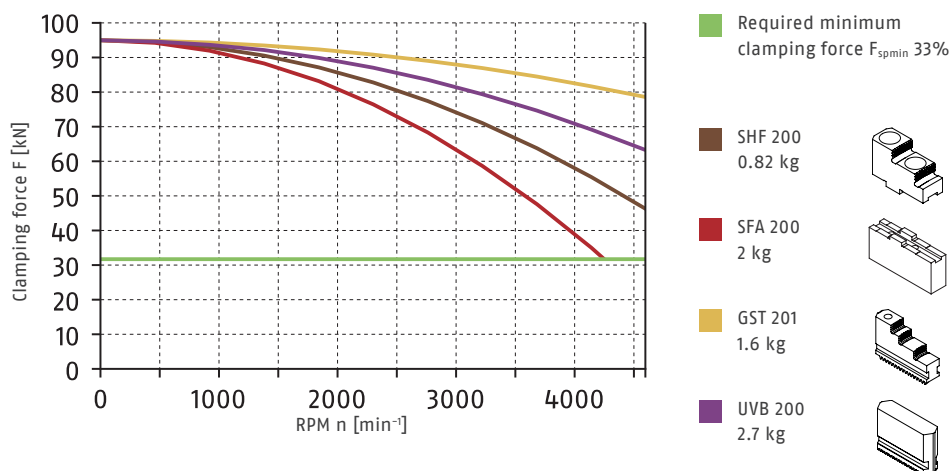
Scope of delivery

Chuck, 1 set of base jaws with screws, chuck mounting screws, actuation key, eye bolt and operating manual

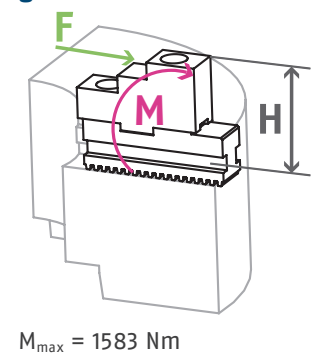
Further technical data

Chuck type	Through-hole [mm]	Stroke/jaw [mm]	Tooth pitch [mm]	Center jaw height [mm]
ROTA-G 200-62	62	6.8	4.7	50

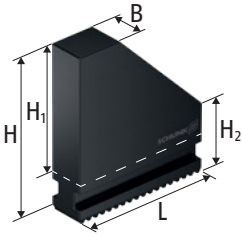
Clamping force-RPM-diagram



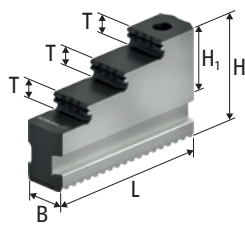
Load of base jaw guidance



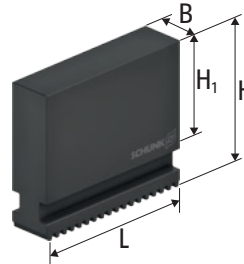
Base jaws, Hard stepped block jaws, Soft monoblock jaws with straight serration



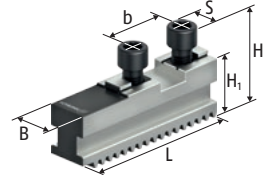
UVB-HS
Soft monoblock jaws



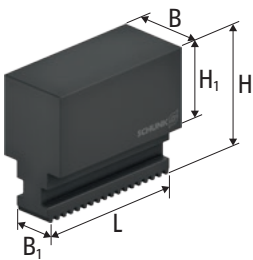
GST
Hard stepped block jaws



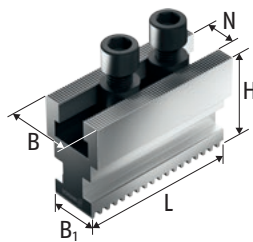
UVB
Soft monoblock jaws



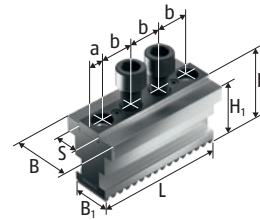
GBK
Base jaws



UVB-B
Soft monoblock jaws



STB-G
Base jaws



STNJ
Base jaws

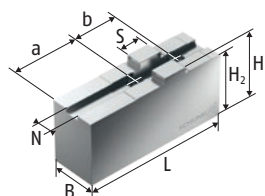
Technical data

Chuck type	Description	ID	N [mm]	S [mm]	B [mm]	B1 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	T [mm]	a [mm]	b [mm]	Screws	m/SET [kg]
ROTA-G 200-62	UVB 200	0164100			22		65	40		84					2.7
ROTA-G 200-62	UVB-B 200	0164113			40	22	65	38		84					3.9
ROTA-G 200-62	UVB-H 200	0164116			22		85	60		84					3.5
ROTA-G 200-62	UVB-HS 200	0164119			22		85	60	29	84					2.7
ROTA-G 200-62	GBK 200	0159100	20	10	22		32	29.5		85			40	M8	1.0
ROTA-G 200-62	GBKL 200	0159120	20	10	22		32	29.5		105			40	M8	1.2
ROTA-G 200-62	GBK-V 200	0159150	20	10	22		32	29.5		85			40	M8	1.0
ROTA-G 200-62	STB-G 200-1	0160655	17		45	22	59			85				M12	3.0
ROTA-G 200-62	STNJ 200-5	0160650		14	40	22	49.5	47		95		10	25	M12	2.6
ROTA-G 200-62	GST 201	0162106			22		54	29		84.9	8				1.6

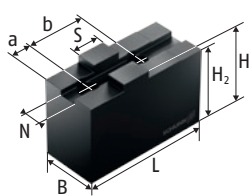
Our complete range of chuck jaws can be found online in our Chuck Jaw Quickfinder and on schunk.com

Soft top jaws

with tongue and groove



SFA-AL
Soft top jaws



SFA
Soft top jaws

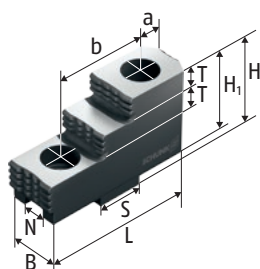
Technical data

Chuck type	Description	ID	N [mm]	S [mm]	B [mm]	H [mm]	H2 [mm]	L [mm]	a [mm]	b [mm]	Screws	m/SET [kg]
ROTA-G 200-62	SFA 200	0153101	10	20	22	47	43	105	40	40	M8	2.0
ROTA-G 200-62	SFA-AL 200	0172102	10	20	25	50	46	105	40	40	M8	0.9
ROTA-G 200-62	SFA 200-C1	0154100	10	20	30	55.5	51.5	100	47	40	M8	3.2
ROTA-G 200-62	SFA 200-C2	0154124	10	20	22	55.5	51.5	100	47	40	M8	2.2
ROTA-G 200-62	SFA 200-C3	0154128	10	20	40	40	36	70	17	40	M8	2.1
ROTA-G 200-62	SFA 200-C4	0154130	10	20	40	60	56	85	32	40	M8	4.0
ROTA-G 200-62	SFA 200-C5	0154132	10	20	40	80	76	95	42	40	M8	6.1

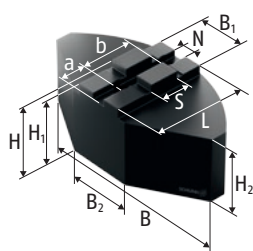
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Hard stepped top jaws, Full grip jaws

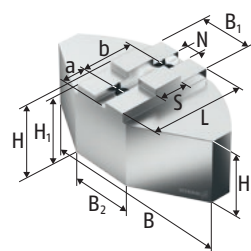
with tongue and groove



SHF
Hard stepped top jaws



SFA-SM
Full grip jaws



SFA-SA
Full grip jaws

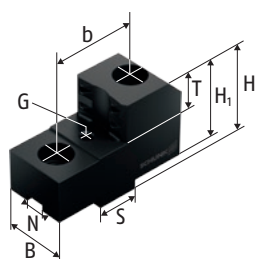
Technical data

Chuck type	Description	ID	N [mm]	S [mm]	B [mm]	B1 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	T [mm]	a [mm]	b [mm]	Screws	m/SET [kg]
ROTA-G 200-62	SFA-SA 200	0174101	10	20	140	35	58	54	48	72.5		21.75	40	M8	2.4
ROTA-G 200-62	SFA-SA 201	0174105	10	20	140	35	80	76	70	72.5		21.75	40	M8	3.5
ROTA-G 200-62	SFA-SM 200	0173101	10	20	140	35	60	56	50	70		18	40	M8	9.0
ROTA-G 200-62	SFA-SM 201	0173105	10	20	140	35	80	76	70	70		18	40	M8	12.5
ROTA-G 200-62	SHF 200	0155101	10	20	22		42	38		71.7	10	16	40	M8	0.8

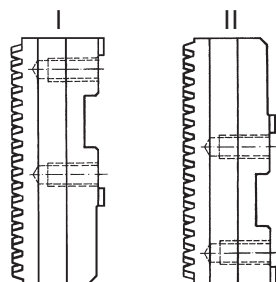
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Claw jaws

with tongue and groove



SZKA
Claw jaws



Position of base jaws

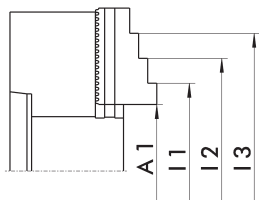
Technical data

Chuck type	Clamping range ØD	Swing diameter SDmax	Position of base jaws	Description	ID	N	S	B	H	H1	L	T	G	b	Screws	m/SET
	[mm]	[mm]				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]		[kg]
ROTA-G 200-62	36 - 90	257	I	SZKA 212	0139153	10	20	26	49	45	93	25	M6	40	M8	1.4
ROTA-G 200-62	111 - 165	257	I	SZKA 213	0139154	10	20	30	49	45	67	25	M6	40	M8	1.3
ROTA-G 200-62	146 - 200	262	I	SZKA 216	0139159	10	20	30	49	45	70	25	M6	40	M8	1.2
ROTA-G 200-62	73 - 127	257	II	SZKA 213	0139154	10	20	30	49	45	67	25	M6	40	M8	1.3

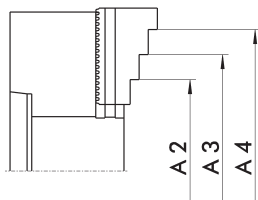
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Hard stepped block jaws

with tongue and groove



Jaw position I



Jaw position II

O.D. clamping

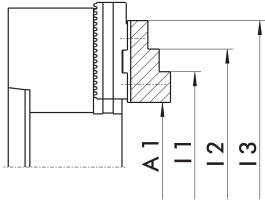
Chuck type	Description	ID	A1 [mm]	A2 [mm]	A3 [mm]	A4 [mm]
ROTA-G 200-62	GST 201	0162106	9 - 89	41 - 125	90 - 173	138 - 221

I.D. clamping

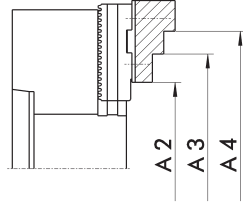
Chuck type	Description	ID	I1 [mm]	I2 [mm]	I3 [mm]
ROTA-G 200-62	GST 201	0162106	56 - 134	103 - 182	150 - 230

Hard stepped top jaws

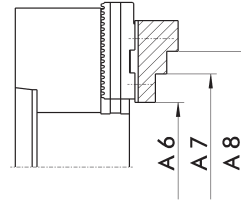
with tongue and groove



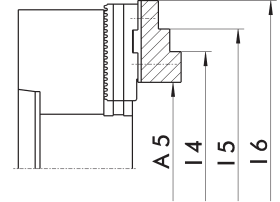
Position of base jaws II



Position of base jaws I



Position of base jaws II



Position of base jaws I

O.D. clamping

Chuck type	Description	ID	A1 [mm]	A2 [mm]	A3 [mm]	A4 [mm]	A5 [mm]	A6 [mm]	A7 [mm]	A8 [mm]
ROTA-G 200-62	SHF 200	0155101	10 - 82	49 - 120	101 - 173	128 - 200	48 - 120	16 - 83	68 - 135	95 - 162

I.D. clamping

Chuck type	Description	ID	I1 [mm]	I2 [mm]	I4 [mm]	I5 [mm]
ROTA-G 200-62	SHF 200	0155101	74 - 144	100 - 171	111 - 182	138 - 209

Accessories

Clamping force tester

For measuring the jaw clamping force of 2, 3 and 6-jaw chucks up to 6,000 RPM.



Suitable for	Description	ID
ROTA-G 200-62	IFT Set	1404235

Maintenance kit

Consisting of a grease gun, LINOMAX plus grease cartridge, chip protection, and sealing plug.



Suitable for	Description	ID
ROTA-G 200-62	WTS-G 200	0899054

Torque wrench

Torque wrench for actuation of SCHUNK manual lathe chucks.



Suitable for	Description	ID
ROTA-G 200-62	SSH-D-1/2" 40-200	9938065

Square actuation wrench

Spanner wrench for manual actuation of the SCHUNK ROTA-S plus and ROTA-G manual lathe chucks.



Suitable for	Description	ID
ROTA-G 200-62	SSH-VK SW12-165	8700129

Long square actuation wrench

Spanner wrench for manual actuation of the SCHUNK ROTA-S plus and ROTA-G manual lathe chucks.



Suitable for	Description	ID
ROTA-G 200-62	SSH-VL SW12-350	88002867

Wrench with pin and movable cross handle

Spanner wrench with ejector for manual actuation of SCHUNK ROTA-S plus and ROTA-G manual lathe chucks.



Suitable for	Description	ID
ROTA-G 200-62	SSH-VQ SW12-165	88004520

Square connection for torque wrench

Extension for torque wrench for actuation of SCHUNK ROTA-S plus and ROTA-G manual chucks.



Suitable for	Description	ID
ROTA-G 200-62	SAV-I 1/2"-SW12	8702914

Sealing plug

For closing the through-hole on manual lathe chucks ROTA-S plus 2.0, ROTA-S plus and ROTA-G.



Suitable for	Description	ID
ROTA-G 200-62	VST Ø62	8702868

Chip protection

For better protection against the penetration of chips for the manual lathe chucks ROTA-S plus 2.0, ROTA-S plus and ROTA-G.



Suitable for	Description	ID
ROTA-G 200-62	SPS 160/200	9966639

Grease

LINOMAX plus

High-performance grease as standard for regularly lubricating SCHUNK manual and power lathe chucks and steady rests.



Bundle	Description	ID
Cartridge	LINOMAX plus cartridge	1342585
Can	LINOMAX plus can	1342586
Bucket	LINOMAX plus bucket	1342587

Grease gun

Auxiliary tools for lubrication of all kinds of SCHUNK products. The grease gun can be used for cartridges of all types of SCHUNK grease.



Bundle	Description	ID
Cartridge	Grease gun	9900543



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