



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.

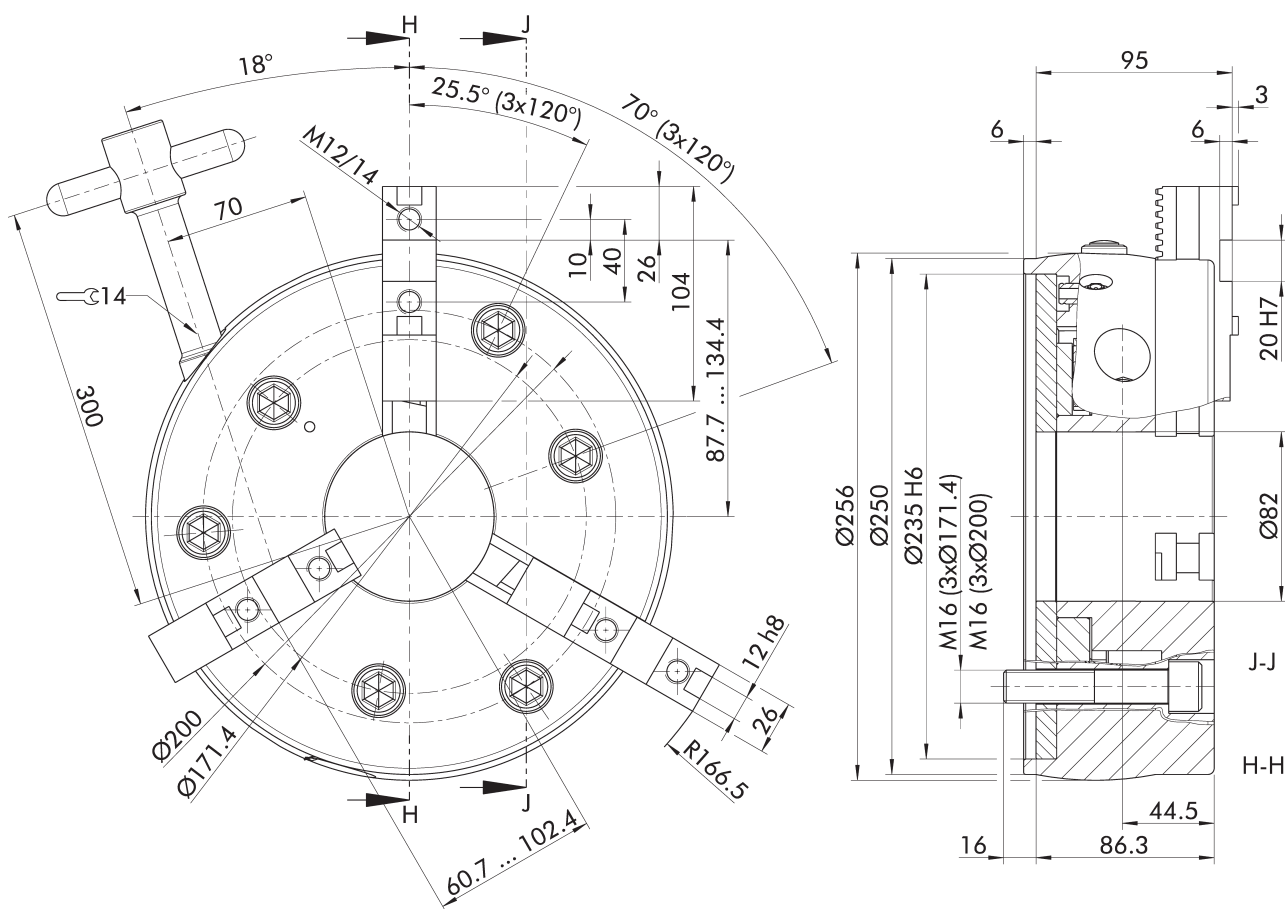


Advantages – Your benefits

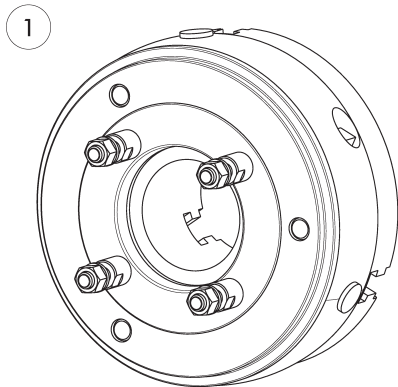
- + Convenient jaw quick-change system**
Minimizing set-up times and costs
- + Hardened and extremely rigid base body**
Therefore a longer service life at highest precision.
Even with maximum clamping force
- + Large through-hole**
Machining all standard pipe diameters
- + High efficiency of the wedge 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

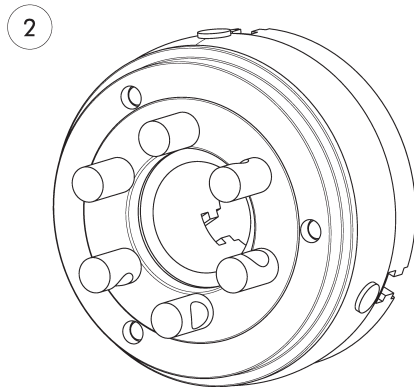
Description	Max. rotational speed [min ⁻¹]	Max. clamping force [kN]	Max. torque [Nm]	Stroke/jaw [mm]	Through-hole [mm]
ROTA-G 200-62	4600	95	90	6.8	62
ROTA-G 250-82	4000	160	200	7.1	82
ROTA-G 315-102	3200	200	210	8.5	102



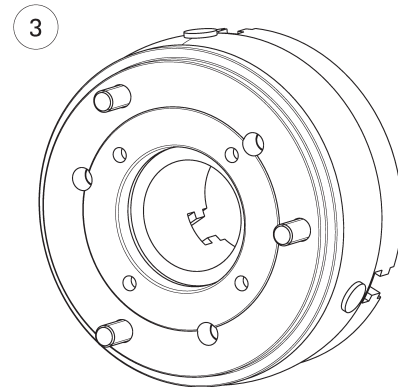
ISO 702-3



ISO 702-2



ISO 702-1



Chuck for shaft clamping drawn in open position.
Subject to technical changes.

① For short taper bayonet mount ISO 702-3 (similar DIN 55027)

② For short taper camlock mount ISO 702-2 (similar DIN 55029)

③ With intermediate flange for short taper ISO 702-1 (similar DIN 55026)

Technical data

Spindle type	Spindle size	ID	Max. rotational speed [min ⁻¹]	Max. clamping force [kN]	Max. torque [Nm]	Weight [kg]
-	Z235	0815020	4000	160	200	26.6
ISO 702-3	Nr. 5	0815021	4000	160	200	33.1
ISO 702-3	Nr. 6	0815022	4000	160	200	33.3
ISO 702-3	Nr. 8	0815023	4000	160	200	33.2
ISO 702-2	Nr. 5	0815024	4000	160	200	34.8
ISO 702-2	Nr. 6	0815025	4000	160	200	35.7
ISO 702-2	Nr. 8	0815026	4000	160	200	35.9
ISO 702-1	Nr. 5	0815027	4000	160	200	31.5
ISO 702-1	Nr. 6	0815028	4000	160	200	31.5
ISO 702-1	Nr. 8	0815029	4000	160	200	33.1

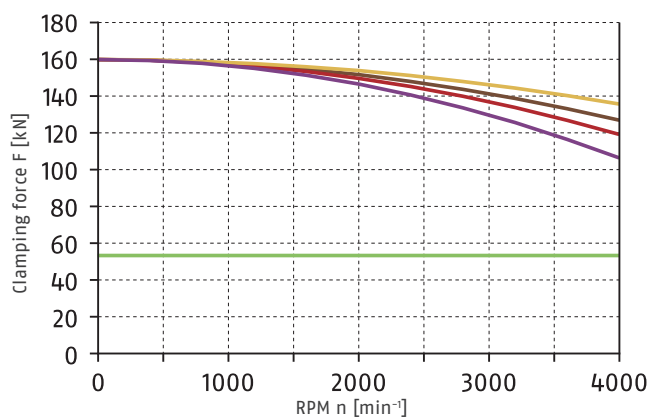
Scope of delivery

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 250-82	82	7.1	5.5	66.5

Clamping force-RPM-diagram



Required minimum
clamping force F_{spmin} 33%

SHF 250
1.9 kg



SFA 250
3.7 kg



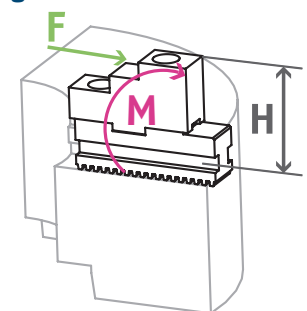
GST 251
2.8 kg



UVB 250
4.8 kg

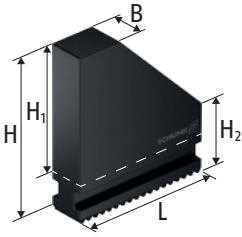


Load of base jaw guidance

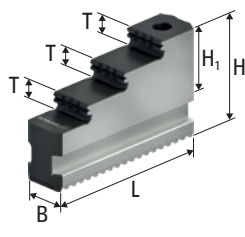


$$M_{max} = 3547 \text{ Nm}$$

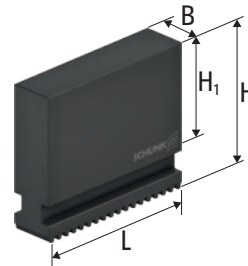
Base jaws, Hard stepped block jaws, Soft monoblock jaws with straight serration



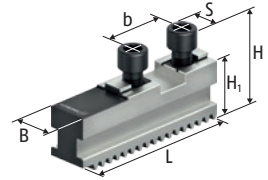
UVB-HS
Soft monoblock jaws



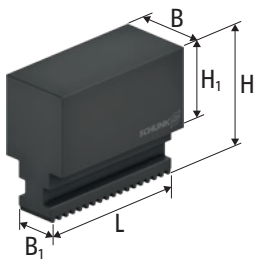
GST
Hard stepped block jaws



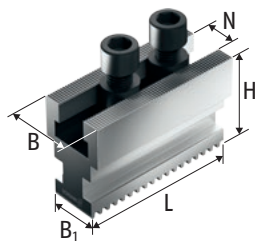
UVB
Soft monoblock jaws



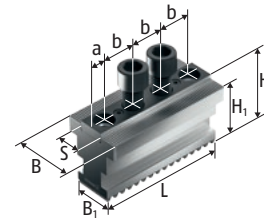
GBK
Base jaws



UVB-B
Soft monoblock jaws



STB-G
Base jaws



STN
Base jaws

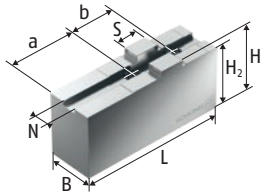
Technical data

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 250-82	UVB 250	0164101			26		84	55		99					4.8
ROTA-G 250-82	UVB-B 250	0164114			46	26	84	52		99					7.2
ROTA-G 250-82	UVB-H 250	0164117			26		115	86		99					6.6
ROTA-G 250-82	UVB-HS 250	0164120			26		115	86	48	99					5.2
ROTA-G 250-82	GBK 250	0159101	20	12	26		40	37		104			40	M12	1.8
ROTA-G 250-82	GBKL 250	0159121	20	12	26		40	37		125			40	M12	2.2
ROTA-G 250-82	GBK-V 250	0159151	20	12	26		40	37		104			40	M12	1.8
ROTA-G 250-82	STB-G 250-2	0160657	21		50	26	71			104				M16	5.2
ROTA-G 250-82	STN 250-5	0160600		17	40	26	50.5	48		86		10	22	M12	2.6
ROTA-G 250-82	STN 250-6	0160601		21	45	26	54.5	52		110		13	28	M16	4.0
ROTA-G 250-82	STNJ 250-5	0160651		16	40	26	52.5	49		110		10	30	M12	2.9
ROTA-G 250-82	GST 251	0162105			26		65	36		107.5	10				2.8

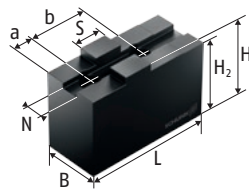
Our complete range of chuck jaws can be found online in our Chuck Jaw Quickfinder and on schunk.com

Soft top jaws

with tongue and groove



SFA-AL
Soft top jaws



SFA
Soft top jaws

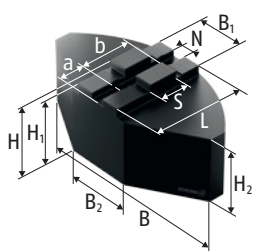
Technical data

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 250-82	SFA 250	0153102	12	20	30	55.5	50.5	125	60	40	M12	3.7
ROTA-G 250-82	SFA-AL 250	0172103	12	20	40	60	55	125	60	40	M12	2.1
ROTA-G 250-82	SFA 250-C1	0154101	12	20	40	60	55	90	34	40	M12	3.9
ROTA-G 250-82	SFA 250-C2	0154102	12	20	40	60	55	125	69	40	M12	5.6
ROTA-G 250-82	SFA 250-C3	0154103	12	20	40	80	75	125	69	40	M12	7.7
ROTA-G 250-82	SFA 250-C4	0154104	12	20	40	100	95	125	69	40	M12	9.8
ROTA-G 250-82	SFA 250-C5	0154105	12	20	40	120	115	125	69	40	M12	11.8
ROTA-G 250-82	SFA 250-C6	0154106	12	20	60	60	55	90	34	40	M12	6.0
ROTA-G 250-82	SFA 250-C7	0154107	12	20	80	60	55	90	34	40	M12	8.5
ROTA-G 250-82	SFA 250-C8	0154134	12	20	80	100	95	125	69	40	M12	20.6

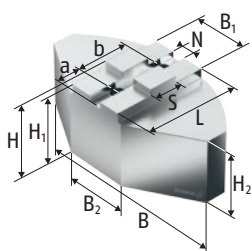
Our complete range of chuck jaws can be found online in our Chuck Jaw Quickfinder and on [schunk.com](https://www.schunk.com)

Hard stepped top jaws, Full grip jaws

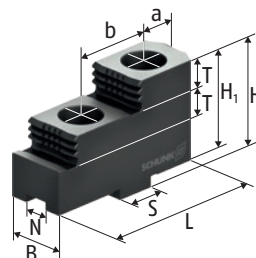
with tongue and groove



SFA-SM
Full grip jaws



SFA-SA
Full grip jaws



SHF
Hard stepped top jaws

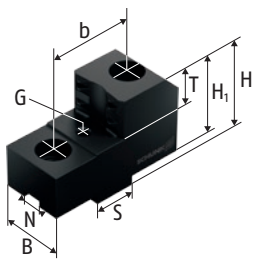
Technical data

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 250-82	SFA-SA 250	0174102	12	20	180	40	58	53	43	87.5		33.75	40	M12	3.4
ROTA-G 250-82	SFA-SA 251	0174106	12	20	180	40	80	75	65	87.5		33.75	40	M12	5.0
ROTA-G 250-82	SFA-SM 250	0173102	12	20	180	40	60	55	45	90		34.5	40	M12	12.8
ROTA-G 250-82	SFA-SM 251	0173106	12	20	180	40	80	75	65	90		35	40	M12	18.9
ROTA-G 250-82	SHF 250	0155102	12	20	30		55	50		90	14	21.1	40	M12	1.9

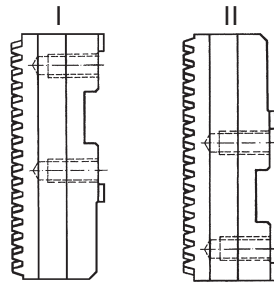
Our complete range of chuck jaws can be found online in our Chuck Jaw Quickfinder and on schunk.com

Claw jaws

with tongue and groove



SZKA
Claw jaws



Position of base jaws

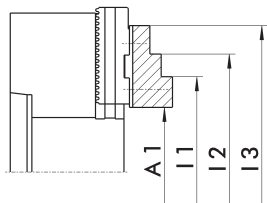
Technical data

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]	[mm]		[kg]
ROTA-G 250-82	86 - 170	322	I	SZKA 263	0139160	12	20	30	55	50	85	25	M6	40	M12	1.5
ROTA-G 250-82	143 - 228	322	I	SZKA 266	0139163	12	20	40	55	50	74	25	M6	40	M12	1.9
ROTA-G 250-82	177 - 262	336	I	SZKA 268	0139165	12	20	40	55	50	83	25	M6	40	M12	2.2
ROTA-G 250-82	31 - 107	319	II	SZKA 263	0139160	12	20	30	55	50	85	25	M6	40	M12	1.5

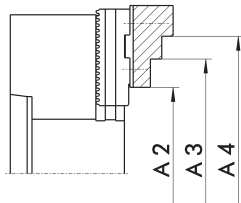
Our complete range of chuck jaws can be found online in our Chuck Jaw Quickfinder and on [schunk.com](https://www.schunk.com)

Hard stepped top jaws

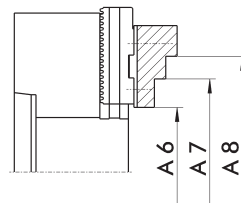
with tongue and groove



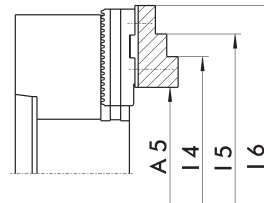
Position of base jaws II



Position of base jaws I



Position of base jaws II



Position of base jaws I

O.D. clamping

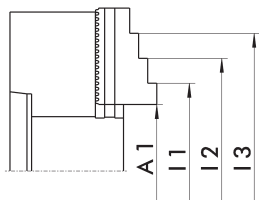
Chuck type	Description	ID	A1 [mm]	A3 [mm]	A4 [mm]	A5 [mm]	A7 [mm]	A8 [mm]
ROTA-G 250-82	SHF 250	0155102	11 - 103	79 - 171	159 - 251	75 - 167	41 - 107	121 - 187

I.D. clamping

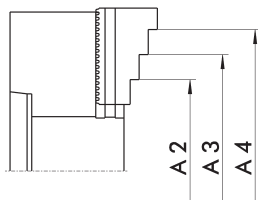
Chuck type	Description	ID	I1 [mm]	I4 [mm]
ROTA-G 250-82	SHF 250	0155102	92 - 182	154 - 246

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 250-82	GST 251	0162105	9 - 106	61 - 157	116 - 212	171 - 267

I.D. clamping

Chuck type	Description	ID	I1 [mm]	I2 [mm]	I3 [mm]
ROTA-G 250-82	GST 251	0162105	70 - 165	124 - 220	179 - 276

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 250-82	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 250-82	WTS-G 250	0899055

Torque wrench

Torque wrench for actuation of SCHUNK manual lathe chucks.



Suitable for	Description	ID
ROTA-G 250-82	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 250-82	SSH-VK SW14-225	8700087

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 250-82	SSH-VL SW14-420	88001684

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 250-82	SSH-VQ SW14-225	88004521

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 250-82	SAV-I 1/2"-SW14	8702915

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 250-82	VST Ø82	8703040

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 250-82	SPS 250	9966640

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



**H.-D. SCHUNK GmbH & Co.
Spanntechnik KG**

Lothringer Str. 23
D-88512 Mengen
Tel. +49-7572-7614-1300
Fax +49-7572-7614-1039
CMM@de.schunk.com
schunk.com