

DRILL CHUCKS

EDITION 8.1

RÖHM
driven by technology





SELF-TIGHTENING

The absolute highlight of the SPIRO and SUPRA drill chucks is the automatic retightening. This function increases the clamping force proportional to the cutting force of the tool during drilling operation. This prevents the drill bit from slipping, even at extreme loads.



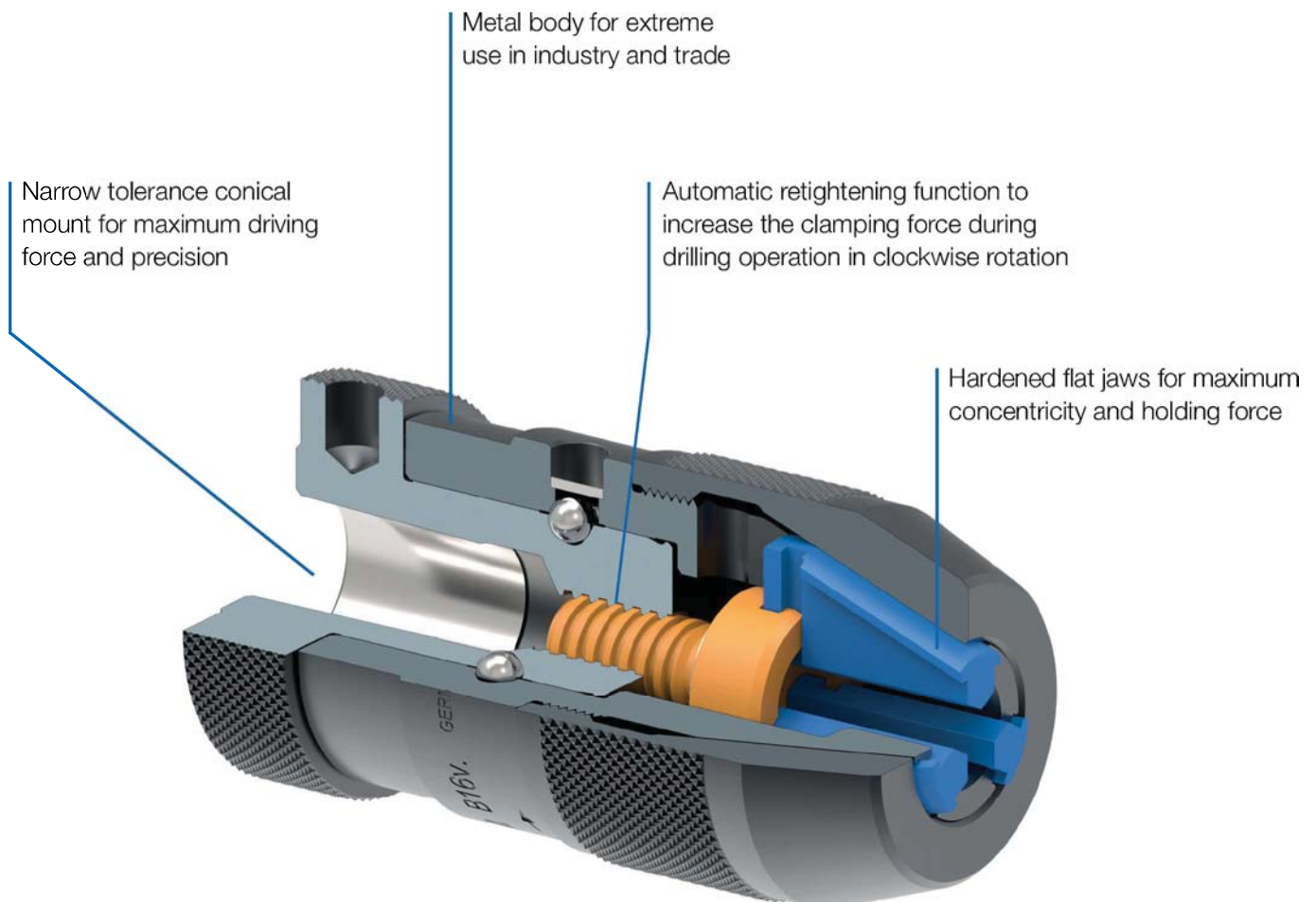
Video drill chuck

QUICK-ACTION DRILL CHUCKS INDUSTRY

The high concentricity and the automatic retightening in clockwise rotation are the decisive factors for these drill chucks. Due to the high precision of all individual parts a run-out accuracy of up to 0.05 mm is guaranteed depending on the design.

ADVANTAGES AT A GLANCE

- ⊕ Increase in the clamping force proportional to the cutting force by the automatic retightening function
- ⊕ Precise concentricity of up to 0.05 mm
- ⊕ Long lifetime due to hardened functional parts



SPIRO-I



APPLICATION

Especially suitable on machining centers, stationary drills and drilling machines with high precision requirements.

TYPE

Self-tightening flat jaw drill chuck.
Industrial design with maximum precision.

CUSTOMER BENEFITS

- ③ Precise concentricity of up to 0,05 mm
- ③ Increase in the clamping force proportional to the cutting force by the automatic retightening function
- ③ Conical mount for maximum driving force and precision

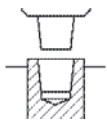
TECHNICAL FEATURES

- Strong retaining ring
- All components made from steel
- Hardened and ground
- Only suitable for clockwise rotation



A03

SPIRO-I for machining centers, stationary drills and drilling machines



Item no.	Size	Type	Clamping capacity mm	Mount	Concentricity deviation max. mm	External Ø mm	Length opened mm	Length closed mm	Weight g
871003	6	I	0-6,5	B 10	0,05	35	62,5	68,6	315
871004	6	I	0-6,5	B 12	0,05	35	62,5	68,6	310
871008	10	I	0-10	B 12	0,05	43	82,5	90,1	665
871009	10	I	0-10	B 16	0,05	43	82,5	90,1	650
871012	13	I	1-13	B 16	0,05	50	94	102,5	995
871016	16	I	3-16	B 16	0,05	55	96,5	106,8	1260
871017 ¹⁾	16	I	3-16	B 18	0,05	55	96,5	106,8	1250

¹⁾ Shortened: B18 by 7 mm

SPIRO-SK



APPLICATION

Especially suitable on machining centers, stationary drills and drilling machines with high precision requirements.

TYPE

Self-tightening flat jaw drill chuck with metal sleeve and clamping force safety device.
Industrial design with maximum precision.

CUSTOMER BENEFITS

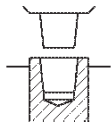
- ⊕ Precise concentricity of up to 0.07 mm over the whole clamping range
- ⊕ Increase in the clamping force proportional to the cutting force by automatic retightening function and no releasing in counterclockwise rotation
- ⊕ Conical mount for maximum driving force and precision

TECHNICAL FEATURES

- The locking of the pawl prevents the unintentional release in counterclockwise rotation up to a turning moment of 15 Nm
- All functional parts are hardened and ground



A03
SPIRO-SK for machining centers, stationary drills and drilling machines



Item no.	Size	Clamping capacity mm	Mount	Concentricity deviation max, mm	External Ø mm	Length opened mm	Length closed mm	Weight g
871070	10	0-10	B 16	0,07	43	81,5	89,1	670
871071 ¹⁾	13	1-13	B 16	0,07	43	85	93,1	1050

¹⁾ Shortened: B16 by 2.5 mm

SUPRA-I



APPLICATION

Especially suitable on stationary drills and hand-operated drills.

TYPE

Self-tightening flat jaw drill chuck.
Industrial design with maximum precision.

CUSTOMER BENEFITS

- ⊕ Precise concentricity of up to 0,12 mm
- ⊕ Increase in the clamping force proportional to the cutting force by the automatic retightening function
- ⊕ Easy and quick clamping of tools for maximum user-friendliness

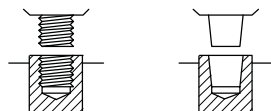
TECHNICAL FEATURES

- Strong retaining ring
- All components made from steel
- Hardened and superfinished
- Only suitable for clockwise rotation



A02

SUPRA-I heavy industrial design for stationary drills and hand-operated drills



Item no.	Size	Type	Clamping capacity mm	Mount	Concentricity deviation max. mm	External Ø mm	Length opened mm	Length closed mm	Weight g
871020	4	I	0-4	J0	0,12	26	46,5	51,5	130
871019	4	I	0-4	B10	0,12	26	45,5	50,8	137
871025	6	I	0-6,5	3/8"-24	0,2	32	59,5	65,6	301
871024	6	I	0-6,5	J1	0,12	32	59,5	65,6	275
871022	6	I	0-6,5	B10	0,12	32	59,5	65,6	280
871023	6	I	0-6,5	B12	0,12	32	59,5	65,6	250
871032	8	I	0-8	B12	0,12	35,8	67	73,4	345
871040	10	I	0-10	B12	0,12	40,2	79,5	86,1	578
871041	10	I	0-10	B16	0,12	40,2	82,5	89,1	624
871052	13	I	1-13	J2	0,12	46	91	99,5	900
871054	13	I	1-13	J6	0,12	46	94	102,5	870
871051	13	I	1-13	B16	0,12	46	93	101,5	915
871053	13	I	1-13	J33	0,12	46	94	102,5	948
871066	16	I	3-16	J6	0,12	51	96,5	106,8	1120
871064	16	I	3-16	B16	0,12	51	96,5	106,8	1161
871065 ¹⁾	16	I	3-16	B18	0,12	51	96,5	106,8	1115

¹⁾ Shortened: B18 by 7 mm

SUPRA-S



APPLICATION

Suitable for stationary drills and hand-operated drills.

TYPE

Self-tightening flat jaw drill chuck.

CUSTOMER BENEFITS

- ⊕ Concentricity of up to 0,17 mm
- ⊕ Increase in the clamping force proportional to the cutting force by the automatic retightening function
- ⊕ Easy and quick clamping of tools for maximum user-friendliness

TECHNICAL FEATURES

- Strong retaining ring
- All components made from steel
- Hardened and superfinished
- Only suitable for clockwise rotation



A02

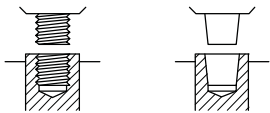
SUPRA-S light design mainly for stationary drills and hand-operated drills



Item no.	Size	Type	Clamping capacity mm	Mount	Concentricity deviation max. mm	External Ø mm	Length opened mm	Length closed mm	Weight g
871029	8	S	0-8	3/8"-24	0,25	32	61,5	67,6	285
871038	10	S	0,5-10	3/8"-24	0,25	35,8	66	73,7	370
871039	10	S	0,5-10	1/2"-20	0,25	35,8	66	73,7	377
871049	13	S	1-13	3/8"-24	0,25	40,2	76,3	83,6	610
871050	13	S	1-13	1/2"-20	0,25	40,2	76,3	83,6	548
871046	13	S	1-13	B12	0,17	40,2	78,8	86,1	593
871047 ¹⁾	13	S	1-13	B16	0,17	40,2	82,3	89,6	581
871062	16	S	3-16	1/2"-20	0,25	46	87,5	97,5	880
871063	16	S	3-16	5/8"-16	0,25	46	87,5	97,5	865
871057 ¹⁾	16	S	3-16	B16	0,17	46	88,5	98,5	858
871058 ²⁾	16	S	3-16	B18	0,17	46	92	102	875

¹⁾ Shortened: B16 by 2,5 mm

²⁾ Shortened: B18 by 7 mm



SUPRA-SK



APPLICATION

For extreme use on hand-operated percussion drills and drills up to 1300 watt with mounting thread or conical mount.

TYPE

Impact-resistant and self-tightening flat jaw drill chuck. Also suitable for counterclockwise rotation by radial locking.

CUSTOMER BENEFITS

- ⊕ Concentricity of up to 0,25 mm
- ⊕ Increase in the clamping force proportional to the cutting force by automatic retightening function and no releasing in counterclockwise rotation
- ⊕ Impact-resistant by radial locking for universal use

TECHNICAL FEATURES

- Strong retaining ring
- Hardened and superfinished
- Suitable for counterclockwise rotation up to maximal 15 Nm



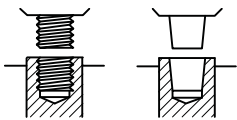
A02

SUPRA-SK for hand-operated percussion drills and drills



Item no.	Size	Type	Clamping capacity mm	Mount	Concentricity deviation max. mm	External Ø mm	Length opened mm	Length closed mm	Weight g
249910	10	S	0,5-10	3/8"-24	0,3	40	66	73,7	428
305188	10	S	0,5-10	B 12	0,25	40	68	75,7	416
249804	13	S	1-13	1/2"-20	0,3	42,8	74,2	83,3	537
305221	13	S	1-13	B 12	0,25	42,8	77	86,1	575
305203 ¹⁾	13	S	1-13	B 16	0,25	42,8	80,2	89,3	585

¹⁾ Shortened: B16 by 2.5 mm



SUPRA-SK E



APPLICATION

Especially suited for hand-operated percussion drills, drills and cordless drills up to 70 Nm of torque.

TYPE

Impact-resistant and self-tightening flat jaw drill chuck. Also suitable for counterclockwise rotation by radial locking.

CUSTOMER BENEFITS

- ⊕ Concentricity of up to 0,35 mm
- ⊕ Increase in the clamping force proportional to the cutting force by automatic retighteningfunction and no releasing in counterclockwise rotation
- ⊕ Impact-resistant by radial locking for universal use

TECHNICAL FEATURES

- Hardened and superfinished
- Suitable for counterclockwise rotation up to maximal 50 Nm



A02

SUPRA-SK E for hand-operated percussion drills and drills up to 1000 watt and cordless drills with up to 70 Nm of torque



Item no.	Size	Type	Clamping capacity mm	Mount	Retaining ring	Concentricity deviation max. mm	External Ø mm	Length opened mm	Length closed mm	Weight g
1193004	13	E	1,5-13	1/2"-20		0,35	42,9	72,0	79,3	402
1193005	13	E	1,5-13	1/2"-20	•	0,35	42,5	72,0	79,3	390