



ROTA THW vario

Power Lathe Chucks with Jaw Quick-change

Superior Clamping and Gripping



Product overview



Gripping Systems

Clamping Technology



Chuck Jaws



Stationary Workholding



Lathe Chucks



Toolholders



Hydraulic Expansion Technology



Manual Lathe Chucks



Power Lathe Chucks with Jaw Quick-change System



Power Lathe Chucks with Through-hole



Power Lathe Chucks without Through-hole



Pneumatic Power Chucks



Steady Rests

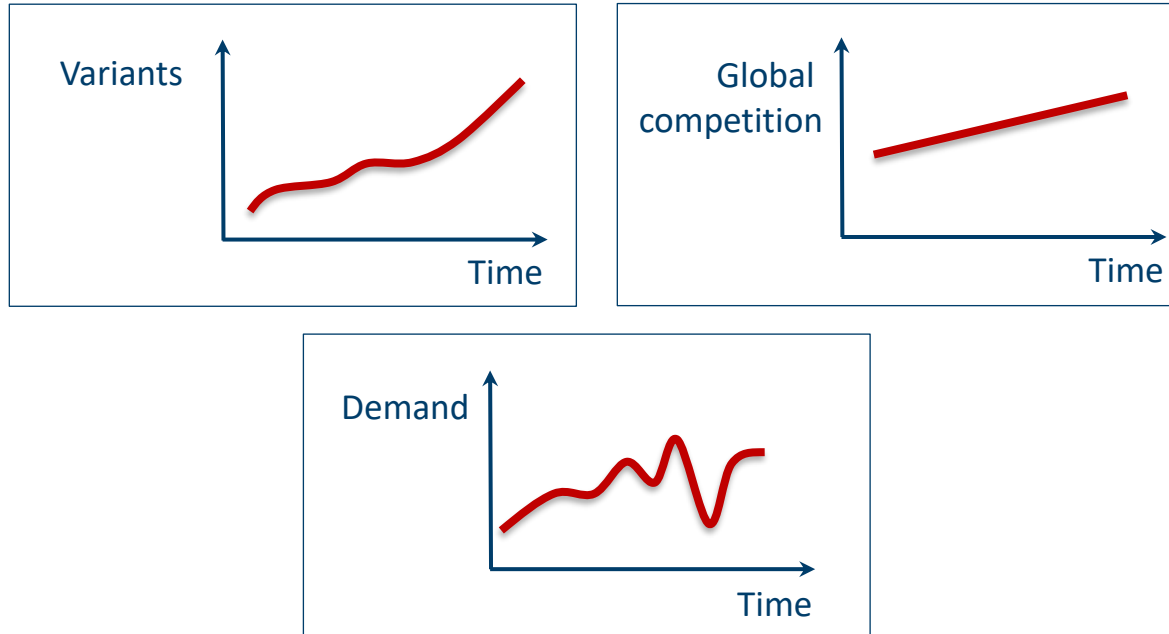


Quick-change Systems



Customized Solutions

Challenges



Flexibility and und set-up time optimization

ROTA overview

Power Lathe Chucks with Jaw Quick-change System

ROTA THW plus



ROTA THW vario

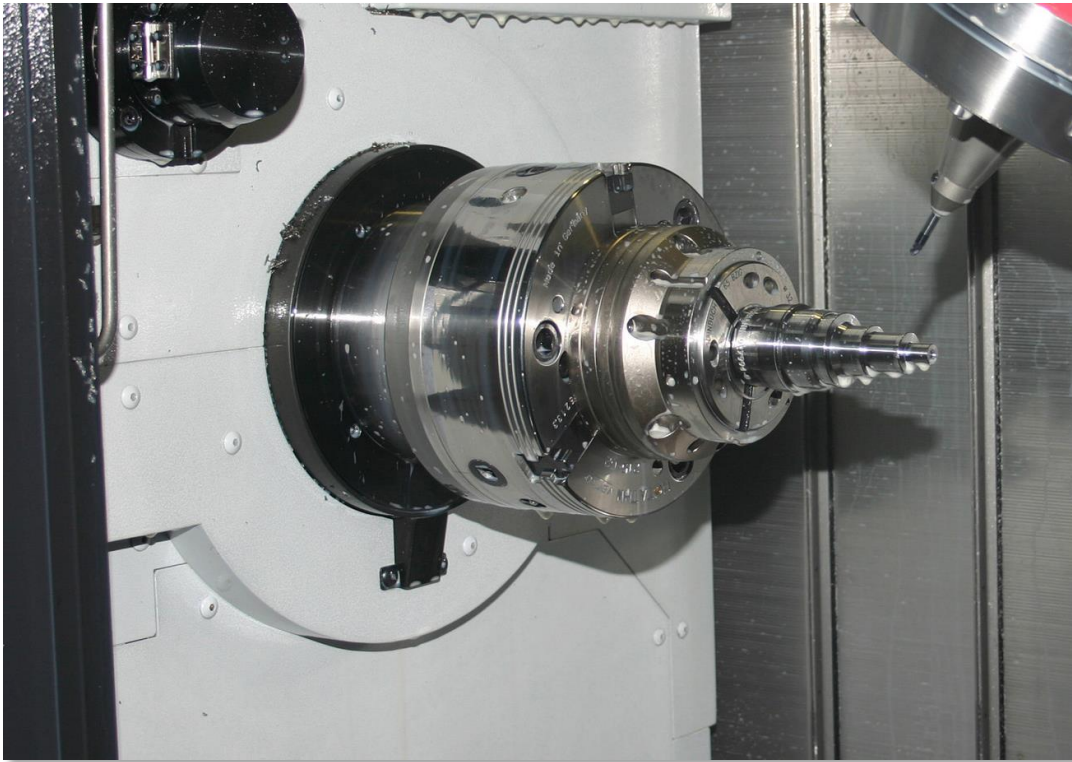


ROTA NCX



ROTA THW vario

Example of application



Clamping device:

ROTA THW vario with
collet chuck vario F.

Features/Application:

Precise O.T. clamping of workpieces
via collet chuck without changing the
chuck.

Highest flexibility at minimum set-up
effort.

ROTA THW vario



- Simple re-equipping on a collet or arbor without changing chucks
- Convenient jaw quick-change system
- High efficiency of the wedge bar system
- High jaw quick-change repeatability
- Optimized lubrication system
- GBK straight-serrated base jaws
- All functional parts are ground and hardened

ROTA THW vario

In combination with chuck jaws



In combination with expansion arbor vario D



In combination with collet chuck vario F



Variants ROTA THW vario

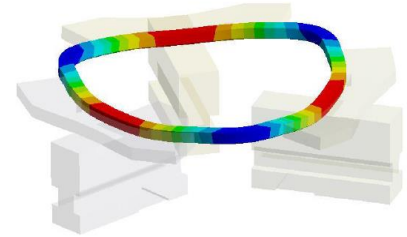
Technical data	Max. RPM [min ⁻¹]	Max. clamping force [kN]	Max. actuating force [Nm]	Stroke/jaw [mm]	Through-hole [mm]	Piston stroke [mm]
ROTA THW vario 215-62	5400	82	46	7.4	62	25

Technical data	Max. RPM [min ⁻¹]	Max. clamping force [kN]	Max. actuating force [kN]	Clamping range [mm]	Covering range [mm]	Max. clamping length [mm]
vario D0	6000	42	10	20 – 28	± 0.25	22
vario D1	6000	42	10	26 – 38	± 0.25	26
vario D2	6000	85	20	36 – 54	± 0.25	43
vario D3	6000	105	25	50 – 80	± 0.35	49
vario F65	6000	105	45	4 – 65	± 0.5	58
vario F65-51	6000	105	45	4 – 65	± 0.5	58
vario F80	5500	115	50	5 – 80	± 0.5	53
vario F100	5000	150	65	16 – 100	± 0.5	53

SCHUNK Services

Engineering

- Dimensioning of special plates designed to the manufacturing specifications
- Development of special solutions together with the customer
- FEM analysis for critical components



Testing

- Endurance tests with all new developments
- Abrasion checking
- Measurement of accuracy



Service

- Initial operation of customer's solution
- Inspection and maintenance
- Repairs



Superior Clamping and Gripping



© 2021 SCHUNK GmbH & Co. KG
schunk.com