



Technische Daten

| Spindel<br>Spindle    | Max. Betätigungskraft<br>Max. actuating force | Max. Spannkraft<br>Max. clamping force | Max. Drehzahl<br>Max. RPM | Hub/Backe<br>Stroke/Jaw | Kolbenhub (H)<br>Piston stroke (H) | Pendelausgleich<br>Pivoting compensation | Trägheitsmoment<br>Moment of inertia | Gewicht<br>Weight |
|-----------------------|---|--|---------------------------|-------------------------|------------------------------------|--|--------------------------------------|-------------------|
| ID                    | [kN]  | [kN]                                   | [min <sup>-1</sup> ]      | [mm]                    | [mm]                               | [mm]                                     | [kgm <sup>2</sup> ]                  | [kg]              |
| DIN 6353 Z300 0860051 | 54.0  | 100.0                                  | 1400                      | 12.0                    | 30.0                               | 2.5+2.5                                  | 2.4                                  | 118.0             |
| DIN 6353 Z300 0860056 | 54.0  | 100.0                                  | 1400                      | 12.0                    | 30.0                               | 2.5+2.5                                  | 2.4                                  | 118.0             |

ID 0860056 mit Fliehkraftausgleich (Futterbauhöhe auf Anfrage)  
Weitere Verzahnungen auf Anfrage

Technical data

ID 0860056 with centrifugal force compensation (chuck height on request)  
Further serrations on request

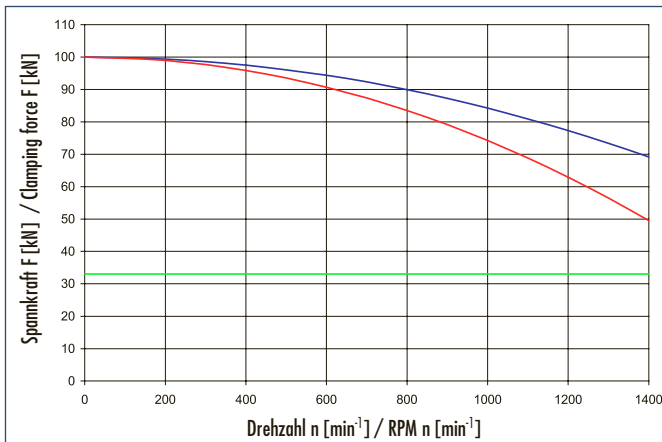
Lieferumfang

Futter, Nutensteine bzw. Befestigungsschrauben für Aufsatzbacken, Futter-Befestigungsschrauben, Ringschraube und Betriebsanleitung

Scope of delivery



Chuck, T-nuts and/or mounting screws for top jaws, chuck mounting bolts, eye bolt and operating manual

Spannkraft-Drehzahl-Diagramm



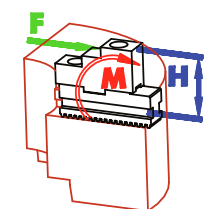
① siehe Seite 545

Clamping force-RPM-diagram

- Restspannkraft/Residual clamp. force 33 %
- SHB 250  7.0 kg
- SWB 250  18.8 kg

① see page 545

Führungsbahnbelastung  
Load of base jaw guidance



**M<sub>max</sub> = 1083 Nm**

① siehe Seite 546

① see page 546



**Spezialfett**  
siehe Kapitel Zubehör

**Special grease**  
see chapter accessories



**Standardbacken**  
siehe Seite 328

**Standard chuck jaws**  
see page 328



**Flansche**  
siehe Seite 486

**Adapter plates**  
see page 486



**Spannkraftmessgerät**  
siehe Kapitel Zubehör

**Gripping force tester**  
see chapter accessories

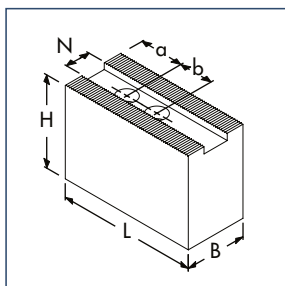
Aufsatzbacken Spitzverzahnung · Top Jaws Fine Serration

SWB, SWBL, SWB-AL und SHB

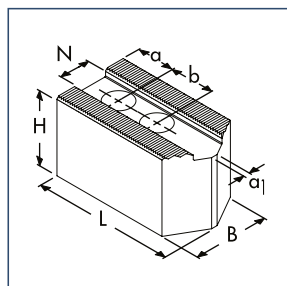
für ROTA NCR 250 bis 1000

SWB, SWBL, SWB-AL and SHB

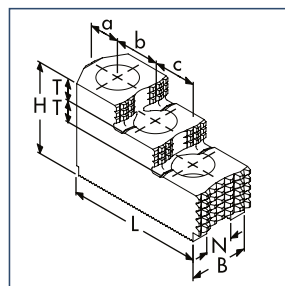
for ROTA NCR 250 up to 1000



Aufsatzbacken weich, SWB und SWB-AL  
Soft top jaws, SWB and SWB-AL



Aufsatzbacken weich, SWBL  
Soft top jaws, SWBL



Aufsatzbacken hart, SHB  
Hard top jaws, SHB

Technische Daten – Aufsatzbacken

Technical data – Top jaws

| Futtertype<br>Chuck type | Bezeichnung<br>Description | ID      | Material  | N<br>[mm] | B<br>[mm] | H<br>[mm] | L<br>[mm] | a<br>[mm] | b<br>[mm] | c<br>[mm] | a <sub>1</sub><br>[mm] | Schrauben<br>Screws | Satz<br>Set<br>[kg] |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------------|---------------------|---------------------|
| ROTA NCR 250             | SWB 165                    | 0120101 | 16MnCr5   | 14.0      | 35.0      | 60.0      | 68.0      | 15.0      | 20.0      |           |                        | M10                 | 2.5                 |
|                          | SWBL 165                   | 0120152 | 16MnCr5   | 14.0      | 35.0      | 40.0      | 80.0      | 15.0      | 20.0      |           | 4.0                    | M10                 | 2.1                 |
|                          | SWB-AL 165                 | 0168105 | ALU       | 14.0      | 35.0      | 60.0      | 80.0      | 15.0      | 20.0      |           |                        | M10                 | 1.2                 |
|                          | SHB 165                    | 0121101 | hart/hard | 14.0      | 30.0      | 46.0      | 78.0      | 16.0      | 22.0      | 22.0      |                        | M10                 | 1.3                 |
| ROTA NCR 315             | SWB 165                    | 0120101 | 16MnCr5   | 14.0      | 35.0      | 60.0      | 68.0      | 15.0      | 20.0      |           |                        | M10                 | 2.5                 |
|                          | SWBL 165                   | 0120152 | 16MnCr5   | 14.0      | 35.0      | 40.0      | 80.0      | 15.0      | 20.0      |           | 4.0                    | M10                 | 2.1                 |
|                          | SWB-AL 165                 | 0168105 | ALU       | 14.0      | 35.0      | 60.0      | 80.0      | 15.0      | 20.0      |           |                        | M10                 | 1.2                 |
|                          | SHB 165                    | 0121101 | hart/hard | 14.0      | 30.0      | 46.0      | 78.0      | 16.0      | 22.0      | 22.0      |                        | M10                 | 1.3                 |
| ROTA NCR 400             | SWB 250                    | 0120105 | 16MnCr5   | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 9.4                 |
|                          | CWB 251                    | 0100012 | 16MnCr5   | 21.0      | 50.0      | 60.0      | 95.0      | 15.0      | 28.0      |           |                        | M16                 | 5.2                 |
|                          | SWB-AL 250                 | 0168102 | ALU       | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 3.0                 |
|                          | SWBL 250/21                | 0120155 | 16MnCr5   | 21.0      | 50.0      | 50.0      | 120.0     | 20.0      | 28.0      |           | 4.0                    | M16                 | 5.6                 |
|                          | SHB 315                    | 0121111 | hart/hard | 21.0      | 50.0      | 58.0      | 128.0     | 46.0      | 30.0      | 30.0      |                        | M16                 | 4.6                 |
| ROTA NCR 500             | SWB 250                    | 0120105 | 16MnCr5   | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 9.4                 |
|                          | CWB 251                    | 0100012 | 16MnCr5   | 21.0      | 50.0      | 60.0      | 95.0      | 15.0      | 28.0      |           |                        | M16                 | 5.2                 |
|                          | SWB-AL 250                 | 0168102 | ALU       | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 3.0                 |
|                          | SWBL 250/21                | 0120155 | 16MnCr5   | 21.0      | 50.0      | 50.0      | 120.0     | 20.0      | 28.0      |           | 4.0                    | M16                 | 5.6                 |
|                          | SHB 315                    | 0121111 | hart/hard | 21.0      | 50.0      | 58.0      | 128.0     | 46.0      | 30.0      | 30.0      |                        | M16                 | 4.6                 |
| ROTA NCR 630             | SWB 250                    | 0120105 | 16MnCr5   | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 9.4                 |
|                          | CWB 251                    | 0100012 | 16MnCr5   | 21.0      | 50.0      | 60.0      | 95.0      | 15.0      | 28.0      |           |                        | M16                 | 5.2                 |
|                          | SWB-AL 250                 | 0168102 | ALU       | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 3.0                 |
|                          | SWBL 250/21                | 0120155 | 16MnCr5   | 21.0      | 50.0      | 50.0      | 120.0     | 20.0      | 28.0      |           | 4.0                    | M16                 | 5.6                 |
|                          | SHB 315                    | 0121111 | hart/hard | 21.0      | 50.0      | 58.0      | 128.0     | 46.0      | 30.0      | 30.0      |                        | M16                 | 4.6                 |
| ROTA NCR 800             | SWB 250                    | 0120105 | 16MnCr5   | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 9.4                 |
|                          | CWB 251                    | 0100012 | 16MnCr5   | 21.0      | 50.0      | 60.0      | 95.0      | 15.0      | 28.0      |           |                        | M16                 | 5.2                 |
|                          | SWB-AL 250                 | 0168102 | ALU       | 21.0      | 50.0      | 80.0      | 120.0     | 30.0      | 28.0      |           |                        | M16                 | 3.0                 |
|                          | SWBL 250/21                | 0120155 | 16MnCr5   | 21.0      | 50.0      | 50.0      | 120.0     | 20.0      | 28.0      |           | 4.0                    | M16                 | 5.6                 |
|                          | SHB 315                    | 0121111 | hart/hard | 21.0      | 50.0      | 58.0      | 128.0     | 46.0      | 30.0      | 30.0      |                        | M16                 | 4.6                 |
| ROTA NCR 1000            | SWB 400                    | 0120107 | 16MnCr5   | 25.5      | 60.0      | 90.0      | 155.0     | 30.0      | 35.0      |           |                        | M20                 | 18.3                |
|                          | CWB 400                    | 0100008 | 16MnCr5   | 25.5      | 60.0      | 80.0      | 140.0     | 30.0      | 35.0      |           |                        | M20                 | 12.6                |
|                          | SWB-AL 400                 | 0168103 | ALU       | 25.5      | 60.0      | 100.0     | 155.0     | 30.0      | 35.0      |           |                        | M20                 | 6.4                 |
|                          | SHB 400                    | 0121107 | hart/hard | 25.5      | 60.0      | 75.0      | 140.0     | 53.0      | 31.0      | 31.0      |                        | M20                 | 8.0                 |

① Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für 6-Backen-Futter

① Please order 2 sets per 3 pieces = 1 set for a 6-jaw chuck

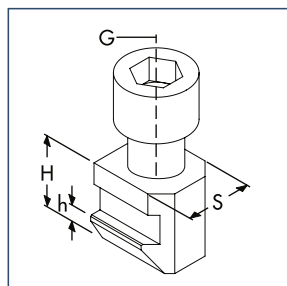
SCHUNK Sonder- und Spezialbacken

siehe Seite 514–539

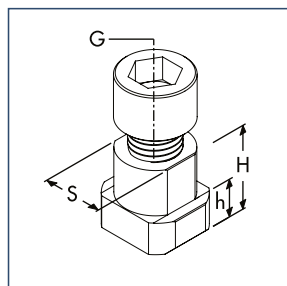
SCHUNK special and specialized jaws

see page 514–539

### NS und NKS für ROTA NCR 250 bis 1000

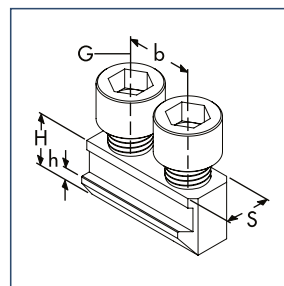


Nutensteine, NKS  
T-nuts, NKS

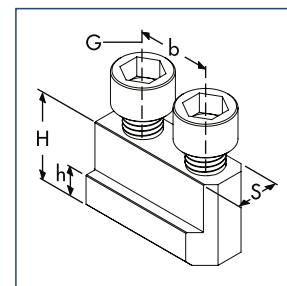


Nutensteine, NS  
T-nuts, NS

### NS and NKS for ROTA NCR 250 up to 1000



Nutensteine, NKA  
T-nuts, NKA



Nutensteine, NK  
T-nuts, NK

#### Technische Daten

| Futtertype<br>Chuck type | Bezeichnung<br>Description | ID      | S<br>[mm] | H<br>[mm] | h<br>[mm] | b<br>[mm] | Gewinde<br>Thread | Schrauben<br>Screws<br>[Nm] | Max. zul. Anziehdrehmoment<br>Max. adm. tightening torque |
|--------------------------|----------------------------|---------|-----------|-----------|-----------|-----------|-------------------|-----------------------------|---|
| ROTA NCR 250             | NKS 1                      | 0143104 | 14.0      | 18.5      | 6.5       |           | M10               | M10x25                      | 50.0  |
|                          | NKA 1                      | 0145103 | 14.0      | 18.5      | 6.5       | 20.0      | M10               | M10x25                      | 50.0  |
| ROTA NCR 315             | NKS 1                      | 0143104 | 14.0      | 18.5      | 6.5       |           | M10               | M10x25                      | 50.0  |
|                          | NKA 1                      | 0145103 | 14.0      | 18.5      | 6.5       | 20.0      | M10               | M10x25                      | 50.0  |
| ROTA NCR 400             | NKS 3                      | 0143107 | 21.0      | 26.5      | 10.0      |           | M16               | M16x35                      | 150.0   |
|                          | NKA 3                      | 0145105 | 21.0      | 26.5      | 10.0      | 28.0      | M16               | M16x35                      | 150.0   |
| ROTA NCR 500             | NKS 3                      | 0143107 | 21.0      | 26.5      | 10.0      |           | M16               | M16x35                      | 150.0   |
|                          | NKA 3                      | 0145105 | 21.0      | 26.5      | 10.0      | 28v       | M16               | M16x35                      | 150.0   |
| ROTA NCR 630             | NS 160                     | 0140102 | 21.0      | 27.0      | 11.0      |           | M16               | M16x35                      | 150.0   |
|                          | NK 160                     | 0145101 | 21.0      | 27.0      | 11.0      | 28.0      | M16               | M16x35                      | 150.0   |
| ROTA NCR 800             | NS 160                     | 0140102 | 21.0      | 27.0      | 11.0      |           | M16               | M16x35                      | 150.0   |
|                          | NK 160                     | 0145101 | 21.0      | 27.0      | 11.0      | 28.0      | M16               | M16x35                      | 150.0   |
| ROTA NCR 1000            | NS 200                     | 0140103 | 25.5      | 29.0      | 11.0      |           | M20               | M20x40                      | 220.0   |
|                          | NK 200                     | 0145102 | 25.5      | 29.0      | 11.0      | 35.0      | M20               | M20x40                      | 220.0   |

#### Technical data

① Bitte bestellen Sie 12 Stück = 1 Satz für 6-Backen-Futter  
NKA und NK: Bitte bestellen Sie 6 Stück = 1 Satz für 6-Backen-Futter

① Please order 12 pieces = 1 set for a 6-jaw chuck  
NKA and NK: Please order 6 pieces = 1 set for a 6-jaw chuck

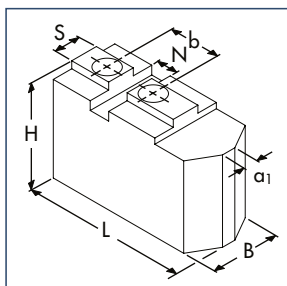
Aufsatzbacken Kreuzversatz · Top Jaws Slot & Tenon

SRK, SFA, SFA-C und SFA-AL

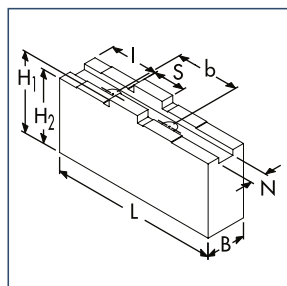
für ROTA NCR 165 und 200

SRK, SFA, SFA-C and SFA-AL

for ROTA NCR 165 and 200



Aufsatzbacken weich, SRK  
Soft top jaws, SRK



Aufsatzbacken weich, SFA, SFA-C und SFA-AL  
Soft top jaws, SFA, SFA-C and SFA-AL

Technische Daten

Technical data

| Futtertype<br>Chuck type | Bezeichnung<br>Description | ID      | Material | B<br>[mm] | H<br>[mm] | H <sub>2</sub><br>[mm] | L<br>[mm] | S<br>[mm] | N<br>[mm] | b<br>[mm] | α <sub>1</sub><br>[mm] | Schrauben<br>Screws | Satz<br>Set<br>[kg] |
|--------------------------|----------------------------|---------|----------|-----------|-----------|------------------------|-----------|-----------|-----------|-----------|------------------------|---------------------|---------------------|
| ROTA NCR 165             | SRK 132                    | 0136112 | 16MnCr5  | 25.0      | 30.0      |                        | 60.0      | 10.0      | 8.0       | 22.0      | 3.0                    | M8                  | 0.76                |
| ROTA NCR 200             | SFA 160                    | 0153100 | 16MnCr5  | 20.0      |           | 36.0                   | 85.0      | 18.0      | 8.0       | 32.0      |                        | M8                  | 1.2                 |
|                          | SFA 160-C1                 | 0154121 | 16MnCr5  | 30.0      |           | 51.5                   | 85.0      | 18.0      | 8.0       | 32.0      |                        | M8                  | 2.7                 |
|                          | SFA 160-C2                 | 0154127 | 16MnCr5  | 35.0      |           | 36.0                   | 63.0      | 18.0      | 8.0       | 32.0      |                        | M8                  | 1.6                 |
|                          | SFA 160-C3                 | 0154131 | 16MnCr5  | 40.0      |           | 56.0                   | 70.0      | 18.0      | 8.0       | 32.0      |                        | M8                  | 3.3                 |
|                          | SFA-AL 160                 | 0172100 | ALU      | 25.0      |           | 46.0                   | 85.0      | 18.0      | 8.0       | 32.0      |                        | M8                  | 0.7                 |

① Bitte bestellen Sie jeweils 2 Sätze à 3 Stück = 1 Satz für 6-Backen-Futter

① Please order 2 sets per 3 pieces = 1 set for a 6-jaw chuck