



## Ultre Live Centers RNS / RNCS

### especially for grinding operations

NEIDLEIN ultra live centers type RNS / RNCS are **especially suited for the use in grinding and other production machine tools.**

By the specific arrangement of the bearings, the design of the live centers is very short and also the live centers can be

used for precise clamping of heavy workpieces with high axial forces. Therefore they are ideal for every use, especially in combination with face drivers.

#### Type RNS with morse taper

 0.003



with carbide tip  
for hardened workpieces  
and high production quantities

#### NEIDLEIN ultra live centers RNS / RNCS ensure:


- short projection length
- run-out deviation max.: 0.003 mm
- high true run accuracy even when using low axial forces
- application of live centers in case of high axial and radial loads
- maintenance free, due to the gasket system and the lifetime lubrication of the bearings
- easy and safe removal by means of extracting nut and extracting disk

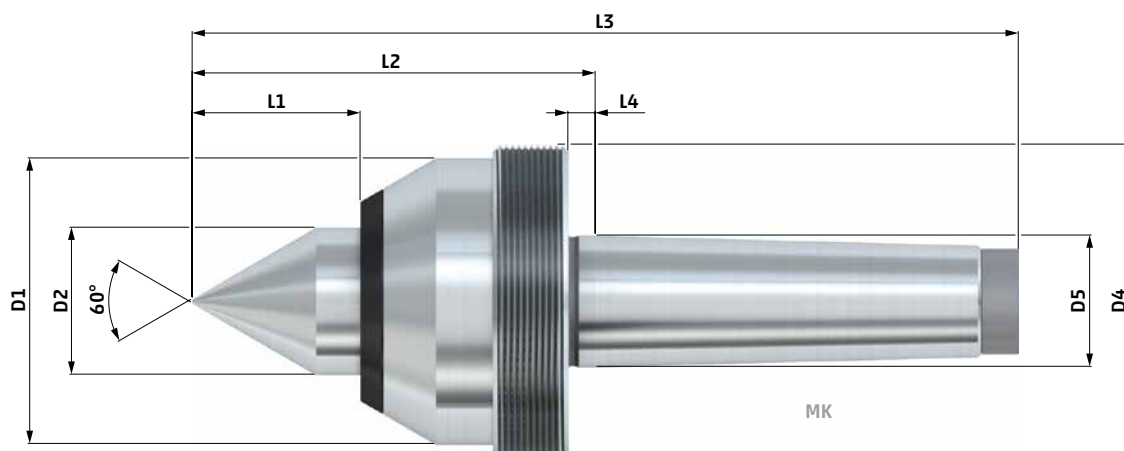
**Type RNCS with morse taper**

» **extended tooling clearance**  
for better access of machining tools

 **0.003**



 with carbide tip  
for hardened workpieces  
and high production quantities

**Technical data – type RNS with morse taper**


type caride tip



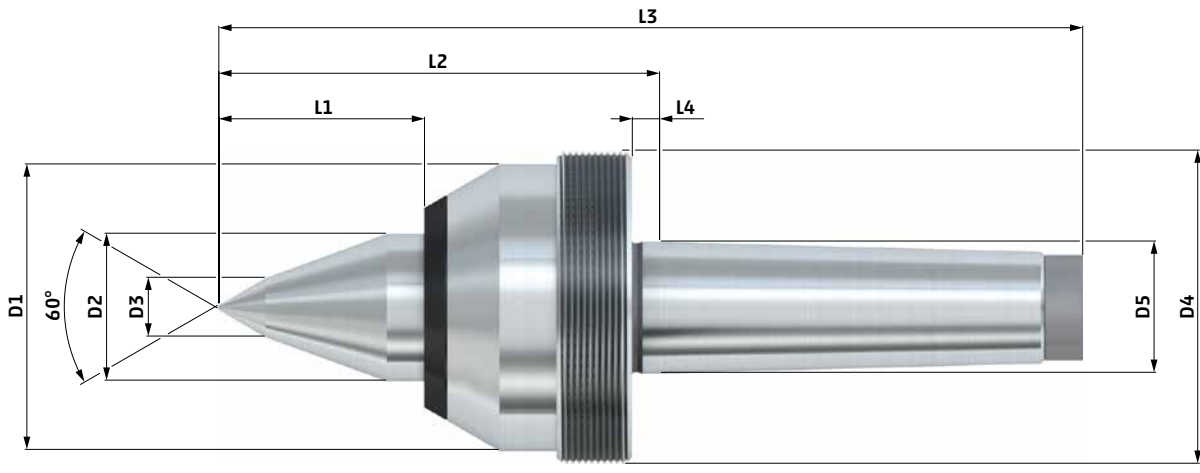
type RNS	MK	D1	D2	D3	D4	D5	L1	L2	L3	L4	rpm max. [1/min]	TYPE TOOL STEEL	TYPE CARBIDE
												cat. no.	cat. no.
1	2	34	18	-	M36 x 1.5	17.78	20	61	125	5	7000	818 97	818 9706
	3	34	18	-	M36 x 1.5	23.83	20	61	142	5	7000	818 98	818 9806
2	3	42	22	-	M48 x 1.5	23.83	25	72	152.5	5	6000	818 99	818 9906
	4	42	22	-	M48 x 1.5	31.27	25	73.5	173	6.5	6000	819 00	819 0006
3	3	55	25	-	M58 x 1.5	23.83	28	74.5	155	5	4500	819 01	819 0106
	4	55	25	-	M58 x 1.5	31.27	28	76	175.5	6.5	4500	819 02	819 0206
	5	55	25	-	M58 x 1.5	44.4	28	76	205.5	6.5	4500	819 03	819 0306
4	4	68	35	-	M75 x 1.5	31.27	40	96	197	6.5	4000	819 04	819 0406
	5	68	35	-	M75 x 1.5	44.4	40	96	225.5	6.5	4000	819 05	819 0506
5	5	92	50	-	M95 x 2	44.4	53	119	248.5	6.5	3600	819 06	819 0606

■ Run-out deviation max.: 0.003 mm.

■ Extracting nuts and extracting disks see page 118 - 119 for accessories.

■ Load chart see page 105.

**Technical data - type RNCS with morse taper**



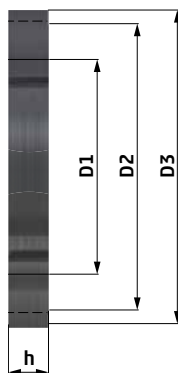
**HM** type caride tip



LIVE CENTERS · DEAD CENTERS

type RNCS	MK	D1	D2	D3	D4	D5	L1	L2	L3	L4	rpm max. [1/min]	TYPE	
												TOOL STEEL	CARBIDE
												cat. no.	cat. no.
1	2	34	18	6	M36 x 1.5	17.78	26	67	131	5	7000	819 17	819 1706
	3	34	18	6	M36 x 1.5	23.83	26	67	148	5	7000	819 18	819 1806
2	3	42	22	10	M48 x 1.5	23.83	29	76	156.5	5	6000	819 19	819 1906
	4	42	22	10	M48 x 1.5	31.27	29	77.5	177	6.5	6000	819 20	819 2006
3	3	55	25	12	M58 x 1.5	23.83	37	83.5	164	5	4500	819 21	819 2106
	4	55	25	12	M58 x 1.5	31.27	37	85	186.5	6.5	4500	819 22	819 2206
	5	55	25	12	M58 x 1.5	44.4	37	85	214.5	6.5	4500	819 23	819 2306
4	4	68	35	14	M75 x 1.5	31.27	49	105.5	206	6.5	4000	819 24	819 2406
	5	68	35	14	M75 x 1.5	44.4	49	105	234.5	6.5	4000	819 25	819 2506
5	5	92	50	22	M95 x 2	44.4	65	131	260.5	6.5	3600	819 26	819 2606

- Run-out deviation max.: 0.003 mm.
- Extracting nuts and extracting disks see page 118 - 119 for accessories.
- Load chart see page 105.

**Extracting nut DIN 1804 h****Type DIN 1804 h****Technical data - type DIN 1804 h**

for ultra live centers, center pins and face driver

D1	D2	D3	h	cat. no.
M28 x 1.5	43	50	10	<b>830 39</b>
M32 x 1.5	45	52	11	<b>830 40</b>
M35 x 1.5	47	55	11	<b>830 41</b>
M36 x 1.5	48	55	11	<b>830 42</b>
M48 x 1.5	67	75	13	<b>830 43</b>

D1	D2	D3	h	cat. no.
M58 x 1.5	80	90	13	<b>830 22</b>
M70 x 1.5	90	100	14	<b>830 44</b>
M75 x 1.5	100	110	14	<b>830 23</b>
M95 x 2	120	135	16	<b>830 24</b>
M110 x 2	140	155	16	<b>830 25</b>