



Ultra Live Centers RNF / RNCF

spring loaded live center

NEIDLEIN ultra live centers type RNF are especially suitable for **employment in turrets, in manual tailstocks and in case of linear thermal extension of workpieces.**

The spring loaded, moving spindle and the engraved scale rings enable the adjustment and/or programming of various axial forces.

Type RNF with morse taper

↑ 0.003



Type RNCF with morse taper

» extended tooling clearance
for better access of machining tools

↑ 0.003

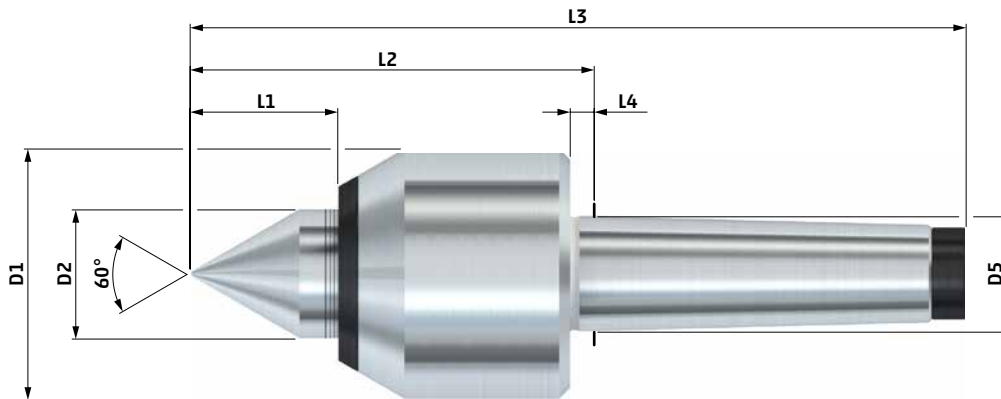


NEIDLEIN ultra live centers type RNF / RNCF ensure:

- employment of live centers in turrets and manual tailstocks when hydraulic systems cannot guarantee any repositioning
- compensation if there is a linear thermal extension of workpieces or if the extension is caused by the process of machining
- run-out deviation max.: 0.003 mm
- maintenance free, due to the gasket system and the lifetime lubrication filling of the bearing
- obtaining of the axial forces applied via scale rings as well as clarification of the force ranges on the outside of the housing



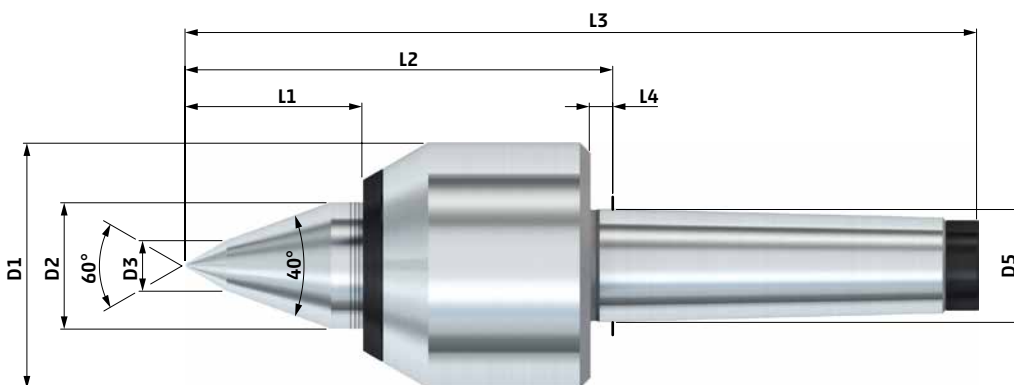
Technical data - type RNF with morse taper



type RNF	MK	D1	D2	D3	D5	L1	L2	L3	L4	rpm max. [1/min]	cat. no.
3	3	55	25	-	23.83	28.5	84.5	165	5	4500	817 01
	4	55	25	-	31.27	28.5	86	185.5	6.5	4500	817 02
	5	55	25	-	44.4	28.5	86	215.5	6.5	4500	817 03
4	4	68	35	-	31.27	40	109.5	210.3	6.5	4000	817 04
	5	68	35	-	44.4	40	109.5	239	6.5	4000	817 05
5	5	92	50	-	44.4	53	138.5	268	6.5	3500	817 09

- Run-out deviation max.: 0.003 mm.
- Models with extraction thread or with special spindles are available upon customer's request.
- Load chart see page 103.

Technical data - type RNCF with morse taper



type RNCF	MK	D1	D2	D3	D5	L1	L2	L3	L4	rpm max. [1/min]	cat. no.
3	3	55	25	12	23.83	37	93	173.5	5	4500	818 01
	4	55	25	12	31.27	37	94.5	194	6.5	4500	818 02
	5	55	25	12	44.4	37	94.5	224	6.5	4500	818 03
4	4	68	35	14	31.27	49	118.5	219.3	6.5	4000	818 04
	5	68	35	14	44.4	49	118.5	248	6.5	4000	818 05
5	5	92	50	14	44.4	65	150.5	280	6.5	3500	818 09

- Run-out deviation max.: 0.003 mm.
- Models with extraction thread or with special spindles are available upon customer's request.
- Load chart see page 103.



Ultra Live Centers RNF / RNCF VDI

spring loaded live center with CDI retainer

NEIDLEIN ultra live centers type RNF/RNCF VDI are adapted in the tool turret and are **especially suited for CNC machines without tailstock or with sub spindle.**

The spring loaded, moving spindle and the engraved scale rings enable the adjustment and/or programming of various axial forces.

Type RNF with VDI retainer

↑ 0.003



Type RNCF with VDI retainer

» extended tooling clearance
for better access of machining tools

↑ 0.003



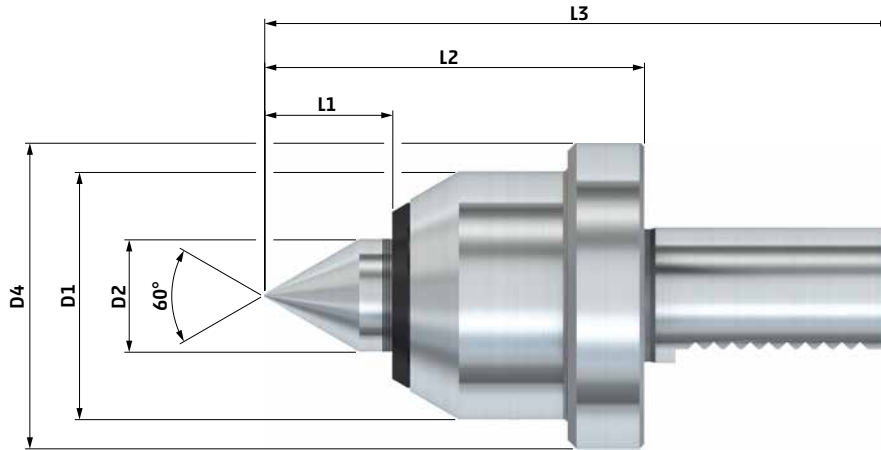
NEIDLEIN ultra live centers type RNF / RNCF VDI ensure:

- employment of live centers in turrets when hydraulic systems cannot guarantee any repositioning
- compensation if there is a linear thermal extension of workpieces or if the extension is caused by the process of machining
- run-out deviation max.: 0.003 mm
- maintenance free, due to the gasket system and the lifetime lubrication filling of the bearing
- obtaining of the axial forces applied via scale rings as well as clarification of the force ranges on the outside of the housing



Technical data - type RNF with VDI retainer

DIN ISO 10889-1

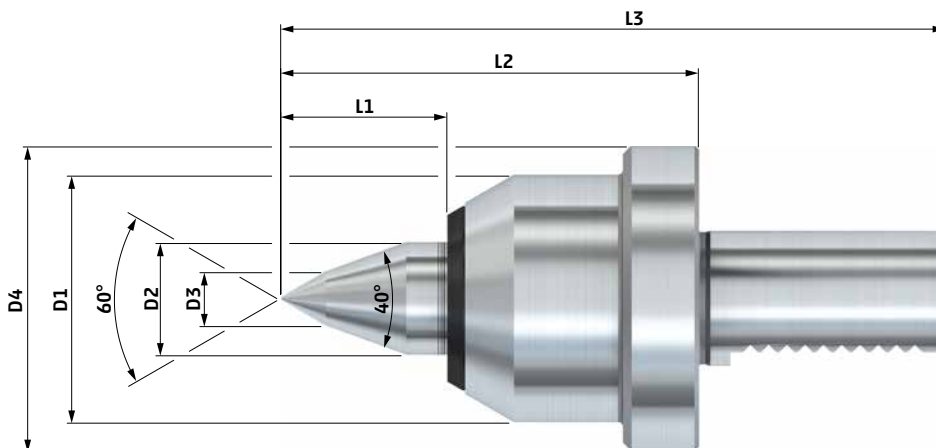


type RNF	VDI	D1	D2	D3	D4	L1	L2	L3	rpm max. [1/min]	cat. no.
3	30	55	25	-	68	28.5	84.5	139.5	4500	817 06
	40	55	25	-	83	28.5	84.5	147.5	4500	817 07
4	40	68	35	-	83	40	108	171	4000	817 08

- Run-out deviation max.: 0.003 mm.
- Load chart see page 103.

Technical data - type RNCF with VDI retainer

DIN ISO 10889-1



type RNCF	VDI	D1	D2	D3	D4	L1	L2	L3	rpm max. [1/min]	cat. no.
3	30	55	25	12	68	37	93	148	4500	818 06
	40	55	25	12	83	37	93	156	4500	818 07
4	40	68	35	14	83	49	117	180	4000	818 08

- Run-out deviation max.: 0.003 mm.
- Load chart see page 103.