INDEX	CHANGES		DATE	NAME

NON TOLERANCED DIMENSIONS

0.5 ...3	> 3 ...6	> 6 ...30	> 30 ...120	> 120 ...400	> 400 ...1000
± 0.1	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8

RADII, CHAMFERS

± 0.2	± 0.5	± 1	± 1	± 1	± 1

ANGLES, DIM. OF THE SHORTER SIDE

bis 10	> 10 ...50	> 50 ...120	> 120 ...400	> 400
± 1°	± 30'	± 20'	± 10'	± 5'

OPTIMILL-3D-BN

HP801

M 10:1

50±1

(33.154)

12 $^{+0.5}_{0}$

2.3 $^{+0.5}_{0}$ CUTTING LENGTH

12° ±0.1°

R6

R1±0.005

Ø4 h5

(Ø2.977)

Ø1.94 $^{0}_{-0.06}$

Ø2 f7
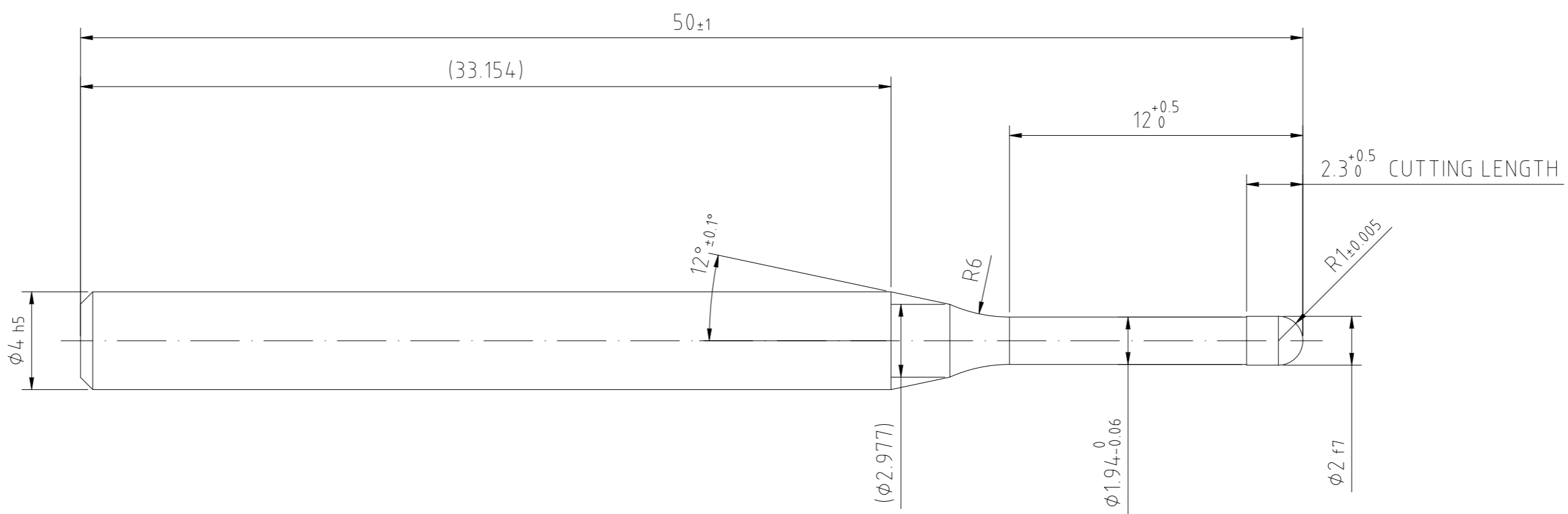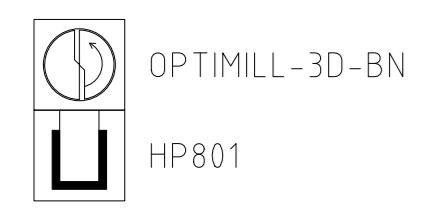
REGRINDING INFO

TIP	○
OUTER DIAMETER	○
FLUTE	○
ADDING OF WORKING LENGTH	○
ADDING OF WORKING DIAMETER	○
DECOATING	○

● YES ◐ OPTIONAL ○ NO

TITLE
OPTIMILL-3D-BN, SHANKFORM HA, SC, COATED

FORMAT A2

MAPAL
Präzisionswerkzeuge
Dr. Kress KG

DATE OF ISSUE	CREATED	DOCUMENT	INDEX
2021-11-22	MF	607409685-000-01-ED1	00
DATE	APPROVED	MATERIAL NUMBER	ORIGIN
		31153315	AAD

GENERAL TOLERANCE ISO 2768-mH
SIZE ISO 14405-1 Ⓔ

DIMENSIONS NOT SHOWN ARE MAPAL STANDARDS

SCALE	TECHNICAL SPECIFICATION	
5:1	MBN101-020-0100-1200X050-HP801	SHEET 1/1