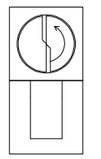
INDEX	CHANGES	DATE	NAME

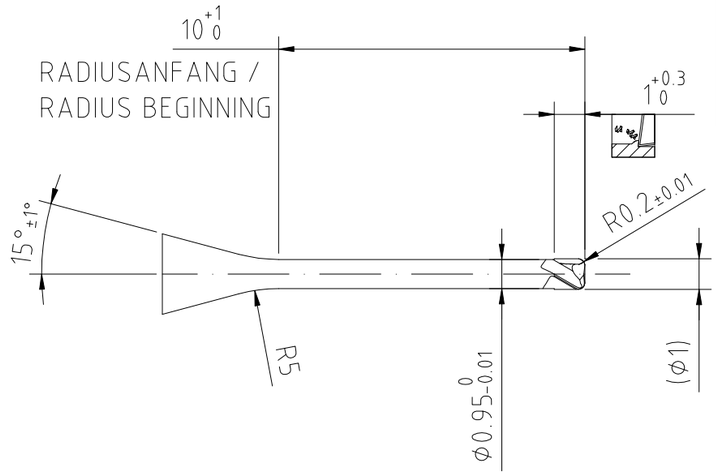


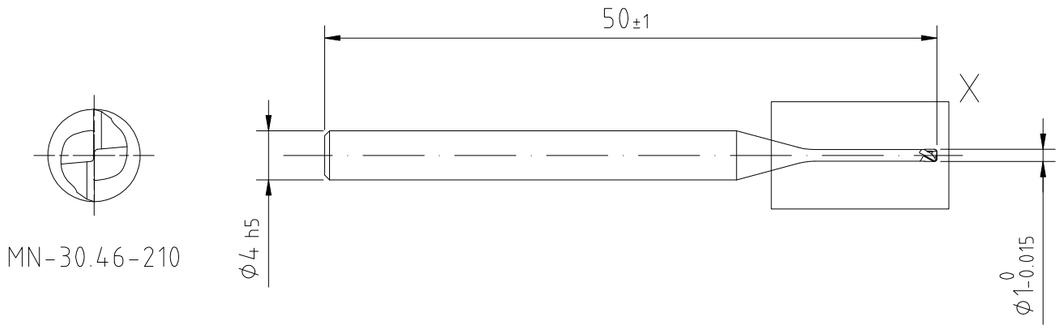
OPTIMILL-3D-CR-COPPER

UNCOATED

X

5:1





MN-30.46-210

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'

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

● YES ◐ OPTIONAL ○ NO

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FABRIK FUER PRAEZISIONSWERKZEUGE DR. KRESS KG

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TITLE: OPTIMILL-3D-CR-COPPER, SHANKFORM HA, SC, UNCOATED

FORMAT: A3

MAPAL Präzisionswerkzeuge Dr. Kress KG

DATE OF ISSUE	CREATED	DOCUMENT	INDEX
2023-10-18	JG	608007019-000-00-ED1	00
DATE	APPROVED	MATERIAL NUMBER	ORIGIN
		31153096	MED

GENERAL TOLERANCE ISO 2768-mH	DIMENSIONS NOT SHOWN	SCALE	TECHNICAL SPECIFICATION	SHEET
SIZE ISO 14405-1 Ⓔ	ARE MAPAL STANDARDS	2:1	MCR118-010-0020-1000X050-HU318	1/1

BLATT/MAP/S.A3