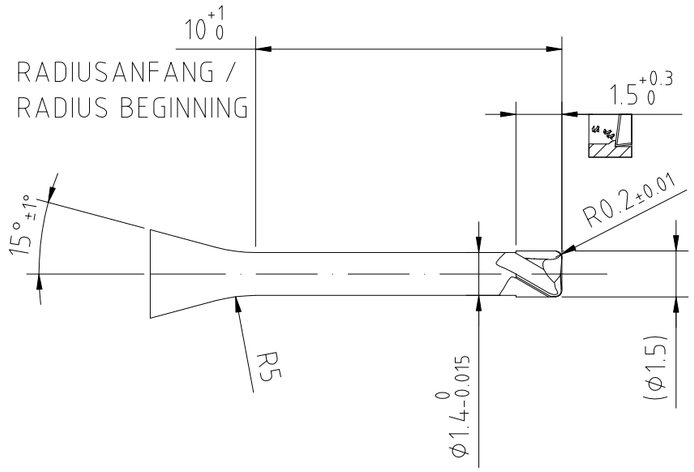
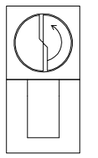
INDEX	CHANGES	DATE	NAME

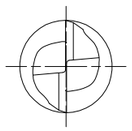
X
5:1



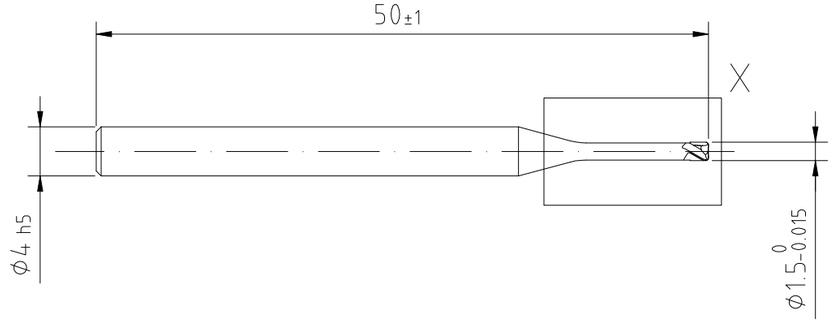


OPTIMILL-3D-CR-COPPER

UNCOATED



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

MAPAL ©
FABRIK FUER PRAEZISIONSWERKZEUGE DR. KRESS KG

ALL RIGHTS FOR THE INVENTIONS, KNOW-HOW, TECHNICAL SOLUTIONS AND DESIGNS SHOWN ON THE DRAWING ARE ENTITLED TO MAPAL ONLY. AS FAR AS MAPAL DID NOT REGISTER PROPERTY RIGHTS HEREUPON YET, MAPAL FORMALLY RESERVES THE RIGHT FOR THE REGISTRATION OF PROPERTY RIGHTS. THE DRAWING AS WELL AS THE MATTERS SHOWN ARE STRICTLY CONFIDENTIAL. REPRODUCTIONS MAY ONLY BE MADE FOR THE PURPOSE AGREED UPON. NEITHER THIS DRAWING NOR COPIES THEREOF MAY BE MADE ACCESSIBLE TO THIRD PARTIES. WITH THE DELIVERY OF THIS DRAWING NO RIGHT TO USE IT FOR ANY PURPOSE IS GRANTED. VIOLATIONS AGAINST THE OBLIGATIONS TO SECRECY AND USE RESTRICTIONS WILL BE PROSECUTED.

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	608007139-000-00-ED1	00
DATE	APPROVED	MATERIAL NUMBER	ORIGIN
		31153097	MED

GENERAL TOLERANCE ISO 2768-mH	DIMENSIONS NOT SHOWN	SCALE	TECHNICAL SPECIFICATION	SHEET
SIZE ISO 14405-1 Ⓔ	ARE MAPAL STANDARDS	2:1	MCR118-015-0020-1000X050-HU318	1/1

BLATT/MAP/S.A3