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-CR,Z=2

HP825

M 50:1

60±1

(44.756)

12° ±0.1°

$\emptyset$6 h5

R2

Z

($\emptyset$0.716)

DETAIL Z 50:1

$2^{+0.05}_{0}$

$0.5^{+0.05}_{0}$ CUTTING LENGTH

$R0.1_{±0.005}$

$\emptyset$0.37 $^{0}_{-0.01}$

$\emptyset$0.4 $^{-0.002}_{-0.012}$

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

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

FORMAT
A2

MAPAL
Präzisionswerkzeuge
Dr. Kress KG

DATE OF ISSUE	CREATED	DOCUMENT	INDEX
2021-11-23	MF	607409635-000-01-ED1	00
DATE	APPROVED	MATERIAL NUMBER	ORIGIN
		3153858	AAD

GENERAL TOLERANCE ISO 2768-mH	DIMENSIONS NOT SHOWN		SCALE	TECHNICAL SPECIFICATION	SHEET
SIZE ISO 14405-1 Ⓔ	ARE MAPAL STANDARDS		5:1	MCR101-004-0010-0200X060-HP825	1/1