

# Ultramini Hardline Typ 050

Ausdrehen und Kopieren

type 050  
profiling and copying

Bohrungs-Ø ab 2.0 mm  
Auskragung (L1) bis 7x D  
Hartbearbeitung bis 66 HRC

bore Ø from 2.0 mm  
overhang length (L1) up to 7x D  
hard machining up to 66 HRC

# ULTRAMINI

Bohrungsbearbeitung  
ab Ø 0.2 mm

grooving, boring and profiling  
starting at Ø 0.2 mm

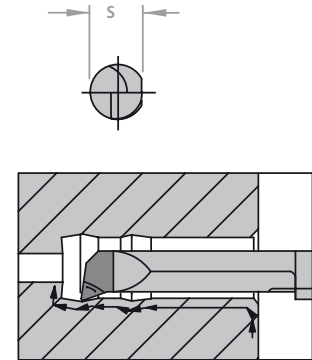
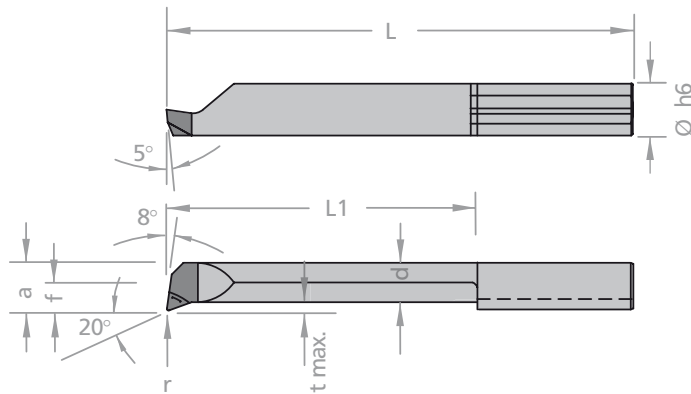


Abbildung: rechtsschneidend  
Ausführung rechts (R)  
oder links (L) angeben  
Abmessungen in mm

righthand version shown  
state right (R) or left (L) version  
dimensions in mm



Bestellnummer  
part number

r s f d a L L1 t max. D min. Ø h6

passende  
Werkzeughalter  
(Hauptkatalog  
Seite 12)

suitable toolholder  
type (main cata-  
logue page 12)

<b>neu</b>	R/L 050.2-5/XC2A-NH	0.05	3.5	-	1.5	1.7	19.0	5.0	0.1	2.0	4.0		
<b>neu</b>	R/L 050.2-10/XC2A-NH	0.05	3.5	-	1.5	1.7	24.0	10.0	0.1	2.0	4.0		
<b>neu</b>	R/L 050.2-15/XC2A-NH	0.05	3.5	-	1.5	1.7	29.0	15.0	0.1	2.0	4.0		
<b>neu</b>	R/L 050.3-10/XC2A-NH	0.1	3.5	0.6	2.3	2.6	24.0	10.0	0.2	2.8	4.0	645.xxx	xxx.4
<b>neu</b>	R/L 050.3-16/XC2A-NH	0.1	3.5	0.6	2.3	2.6	30.0	16.0	0.2	2.8	4.0		
<b>neu</b>	R/L 050.3-20/XC2A-NH	0.1	3.5	0.6	2.3	2.6	34.0	20.0	0.2	2.8	4.0		
<b>neu</b>	R/L 050.4-10/XC2A-NH	0.1	3.5	1.5	3.0	3.5	24.0	10.0	0.3	4.0	4.0	645.xxx	xxx.4
<b>neu</b>	R/L 050.4-16/XC2A-NH	0.1	3.5	1.5	3.0	3.5	30.0	16.0	0.3	4.0	4.0		
<b>neu</b>	R/L 050.4-20/XC2A-NH	0.1	3.5	1.5	3.0	3.5	34.0	20.0	0.3	4.0	4.0		
<b>neu</b>	R/L 050.4-24/XC2A-NH	0.1	3.5	1.5	3.0	3.5	38.0	24.0	0.3	4.0	4.0		
<b>neu</b>	R/L 050.4-28/XC2A-NH	0.1	3.5	1.5	3.0	3.5	42.0	28.0	0.3	4.0	4.0		

HM Sorten siehe Hauptkatalog Seite 92  
«Sortenübersicht» und Preisliste

Bestellbeispiel:  
für rechte Ausführung und Sorte  
R050.2-5/XC2A-NH

carbide grades main catalogue page 92 see  
«grades summary» and according price list

order-example:  
righthand version and grade  
R050.2-5/XC2A-NH



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hard machining up to 66 HRC



Bestellnummer  
part number

r s f d a L L1 t max. D min. Ø h6

passende  
Werkzeughalter  
(Hauptkatalog  
Seite 18-28)

suitable toolholder  
type (main cata-  
logue page 18-28)

<b>neu</b>	R/L 050.5-10/XC2A-NH	0.15	4.4	1.9	3.8	4.4	25.0	10.0	0.5	5.0	5.0
<b>neu</b>	R/L 050.5-15/XC2A-NH	0.15	4.4	1.9	3.8	4.4	30.0	15.0	0.5	5.0	5.0
<b>neu</b>	R/L 050.5-20/XC2A-NH	0.15	4.4	1.9	3.8	4.4	35.0	20.0	0.5	5.0	5.0
<b>neu</b>	R/L 050.5-25/XC2A-NH	0.15	4.4	1.9	3.8	4.4	40.0	25.0	0.5	5.0	5.0
<b>neu</b>	R/L 050.5-30/XC2A-NH	0.15	4.4	1.9	3.8	4.4	45.0	30.0	0.5	5.0	5.0
<b>neu</b>	R/L 050.5-35/XC2A-NH	0.15	4.4	1.9	3.8	4.4	50.0	35.0	0.5	5.0	5.0
<b>neu</b>	R/L 050.6-15/XC2A-NH	0.15	5.3	2.3	4.5	5.3	30.0	15.0	0.5	6.0	6.0
<b>neu</b>	R/L 050.6-22/XC2A-NH	0.15	5.3	2.3	4.5	5.3	37.0	22.0	0.5	6.0	6.0
<b>neu</b>	R/L 050.6-25/XC2A-NH	0.15	5.3	2.3	4.5	5.3	40.0	25.0	0.5	6.0	6.0
<b>neu</b>	R/L 050.6-30/XC2A-NH	0.15	5.3	2.3	4.5	5.3	45.0	30.0	0.5	6.0	6.0
<b>neu</b>	R/L 050.6-35/XC2A-NH	0.15	5.3	2.3	4.5	5.3	50.0	35.0	0.5	6.0	6.0
<b>neu</b>	R/L 050.6-42/XC2A-NH	0.15	5.3	2.3	4.5	5.3	57.0	42.0	0.5	6.0	6.0
<b>neu</b>	R/L 050.7-20/XC2A-NH	0.15	6.3	2.8	5.5	6.3	35.0	20.0	0.6	6.8	7.0
<b>neu</b>	R/L 050.7-25/XC2A-NH	0.15	6.3	2.8	5.5	6.3	40.0	25.0	0.6	6.8	7.0
<b>neu</b>	R/L 050.7-30/XC2A-NH	0.15	6.3	2.8	5.5	6.3	45.0	30.0	0.6	6.8	7.0
<b>neu</b>	R/L 050.7-35/XC2A-NH	0.15	6.3	2.8	5.5	6.3	50.0	35.0	0.6	6.8	7.0
<b>neu</b>	R/L 050.7-40/XC2A-NH	0.15	6.3	2.8	5.5	6.3	55.0	40.0	0.6	6.8	7.0
<b>neu</b>	R/L 050.7-45/XC2A-NH	0.15	6.3	2.8	5.5	6.3	60.0	45.0	0.6	6.8	7.0
<b>neu</b>	R/L 050.7-50/XC2A-NH	0.15	6.3	2.8	5.5	6.3	65.0	50.0	0.6	6.8	7.0

645.xxx

xxx.5

676.xxx

660 / xxx.6

687

670 /  
xxx.7