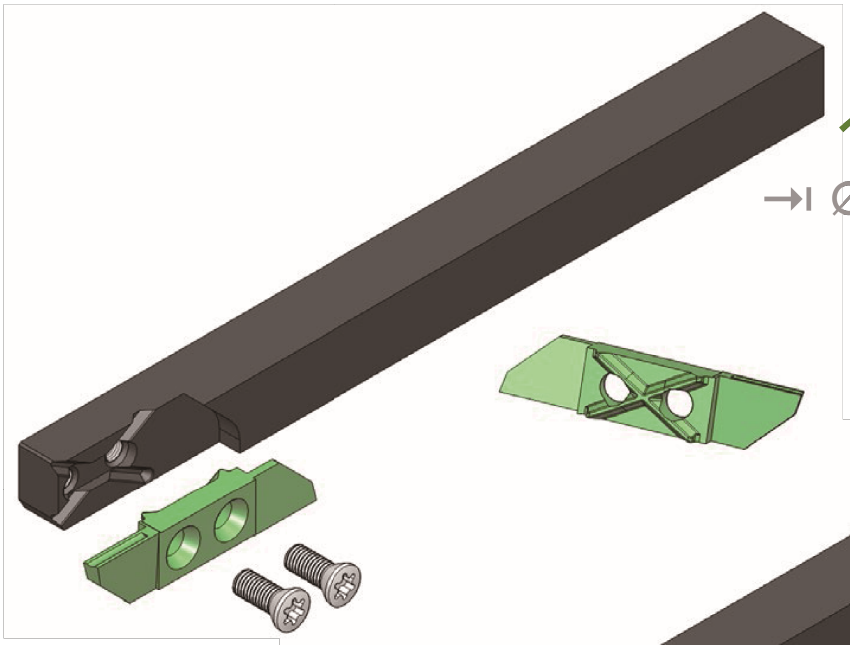
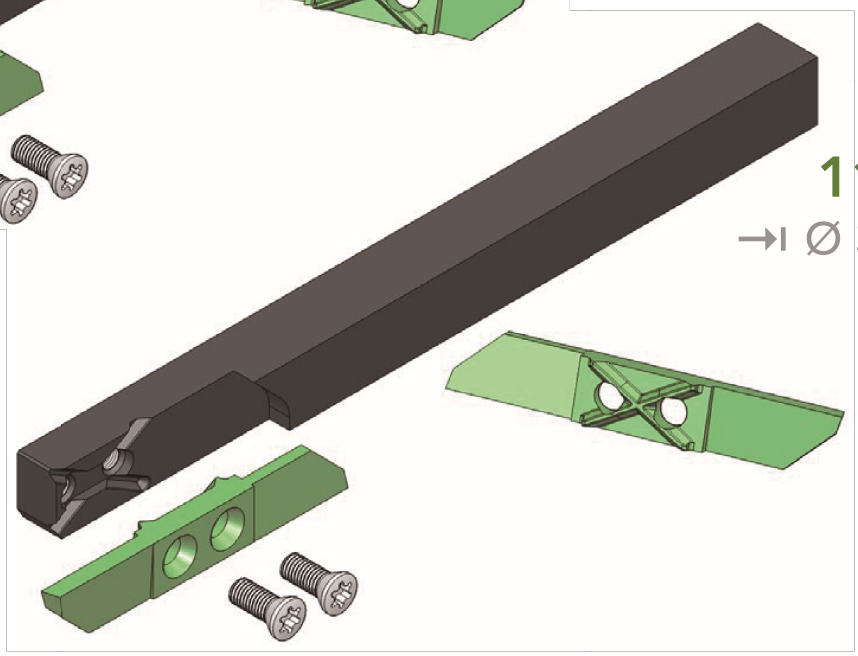
Bimu
cutting tools & accessories

oxoline

Very high rigidity inserts 1000



1000
→| Ø 20 mm



1100
→| Ø 32 mm

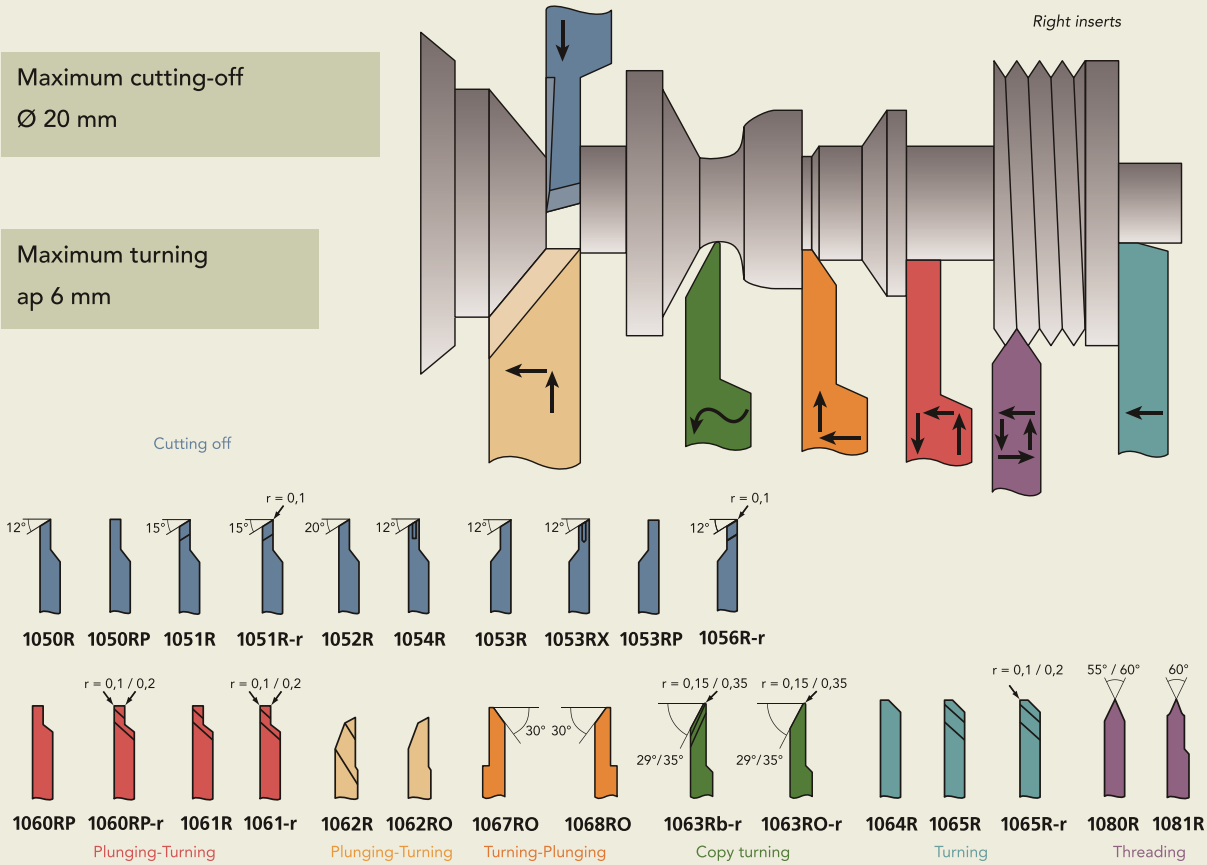
Coating of inserts

Designation	Description
K10	Without coating
BI40	AlTiN, universal
BI40U BI90	AlTiN, new generation
TIN	TiN

Field of application of OXOline 1000

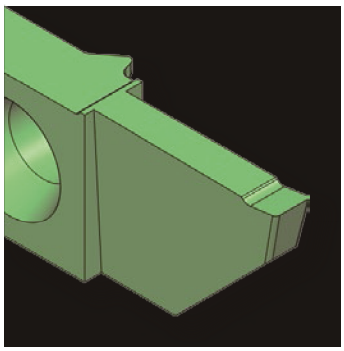
Maximum cutting-off
Ø 20 mm

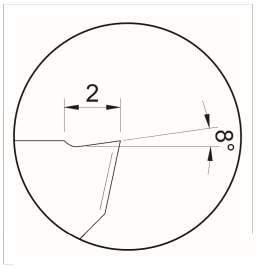
Maximum turning
ap 6 mm



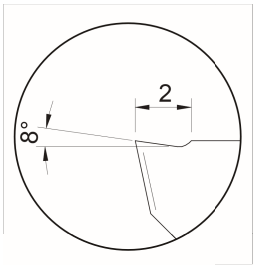
oxoline

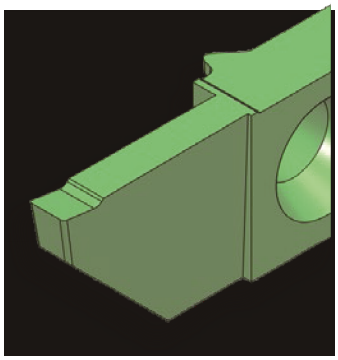
1056RP - r



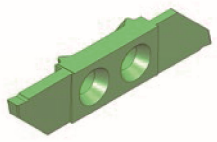
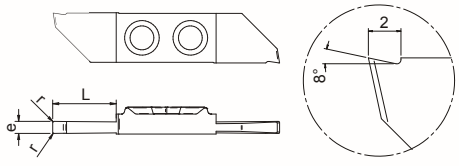


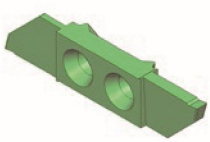
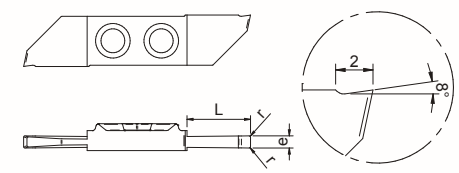
1051RP - r



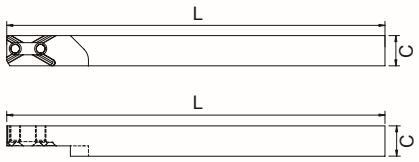


Ground inserts with high machining stability.
Available widths: 1,5 and 2,0 mm. Available radii: 0,1 and 0,2 mm

1051RP - r	Cutting insert 0° with chip breaker and radius	e	L	r	Article nr.	BI40*
		1,5	7,5	0,1	**1051RP1,5 - r 0,1 -**	✓
		2,0	10,5	0,1	1051RP2,0 - r 0,1 -	✓
		1,5	7,5	0,2	**1051RP1,5 - r 0,2 -**	✓
		2,0	10,5	0,2	1051RP2,0 - r 0,2 -	✓

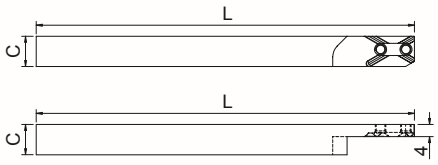
1056RP - r	Opposite cutting insert 0° with chip breaker and radius	e	L	r	Article nr.	BI40*
		1,5	7,5	0,1	1056RP1,5 - r 0,1 -	✓
		1,5	7,5	0,2	1056RP1,5 - r 0,2 -	✓
		2,0	10,5	0,1	1056RP1,5 - r 0,1 -	✓
		2,0	10,5	0,2	1056RP1,5 - r 0,2 -	✓
					Use with 10xxL tool-holders *Verwendung mit 10xxL Werkzeughalter* *Utilisation avec les porte-outils 10xxL*	

10xxR — Right tool-holder



Section C	Length L	Article nr.
10 x 10	124	1010R
12 x 12	124	1012R
14 x 14	124	1014R
16 x 16	124	1016R
20 x 20	124	1020R
25 x 25	100	1025R

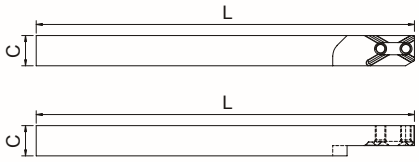
10xxR4 — Right «Pick-up» tool-holder



Section C	Length L	Article nr.
10 x 10	124	1010R4
12 x 12	124	1012R4
16 x 16	124	1016R4

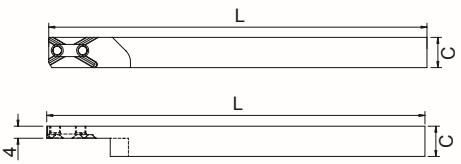
Use with 1053R, 1053RP, 1053RX, 1056R inserts

10xxL — Left tool-holder



Section C	Length L	Article nr.
10 x 10	124	1010L
12 x 12	124	1012L
14 x 14	124	1014L
16 x 16	124	1016L
20 x 20	124	1020L

10xxL4 — Left «Pick-up» tool-holder



Section C	Length L	Article nr.
10 x 10	124	1010L4
12 x 12	124	1012L4
16 x 16	124	1016L4

Use with 1053L inserts

100-1 — Key

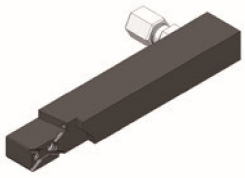
Torx	Article nr.
Torx 15	100-1

001-8 — Screw for standard tool-holder

Screw for standard tool-holder	Article nr.
M3,5 x 9	001-8

100-2c — Screw for «Pick-up» tool-holder

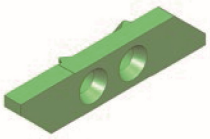
Screw for «Pick-up» tool-holder	Article nr.
M3,5 x 7	100-2c

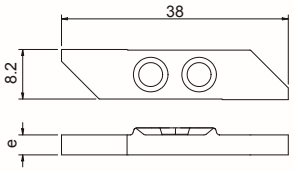


Blank

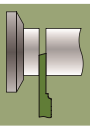
1040R / L

Blank insert





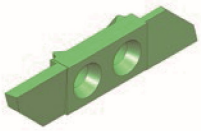
R		L		K10	BI40
e	Article nr.	e	Article nr.		
3,3	1040R3,3	3,3	1040L3,3	✓	✓

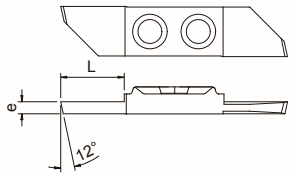


Cutting off Ø 20 mm

1050R / L

Cutting insert 12°

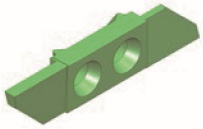


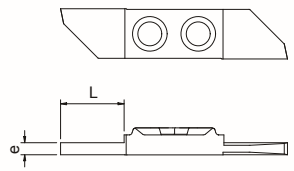


R			L			BI40
e	L	Article nr.	e	L	Article nr.	
1,0	5,0	1050R1,0	1,0	5,0	1050L1,0	✓
1,2	6,0	1050R1,2	1,2	6,0	1050L1,2	✓
1,5	7,5	1050R1,5	1,5	7,5	1050L1,5	✓
1,8	9,0	1050R1,8	1,8	9,0	1050L1,8	✓
2,0	10,5	1050R2,0	2,0	10,5	1050L2,0	✓
2,2	10,5	1050R2,2	2,5	10,5	1050L2,5	✓
2,5	10,5	1050R2,5	3,0	10,5	1050L3,0	✓
3,0	10,5	1050R3,0				✓

1050RP

Cutting insert 0°

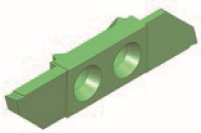


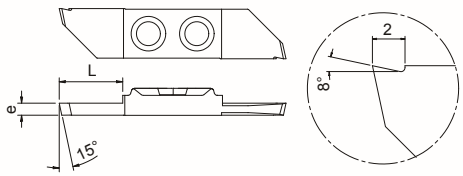


e	L	Article nr.	BI40
1,0	5,0	1050RP1,0	✓
1,5	7,5	1050RP1,5	✓
2,0	10,5	1050RP2,0	✓
2,5	10,5	1050RP2,5	✓
3,0	10,5	1050RP3,0	✓

1051R

Cutting insert 15° with chip breaker

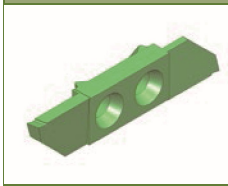


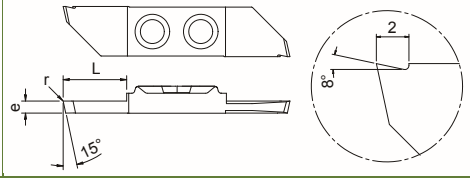


e	L	Article nr.	BI40
1,0	5,0	1051R1,0	✓
1,2	6,0	1051R1,2	✓
1,5	7,5	1051R1,5	✓
2,0	10,5	1051R2,0	✓
2,5	10,5	1051R2,5	✓

1051R - r

Cutting insert 15° with chip breaker and radius

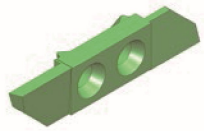


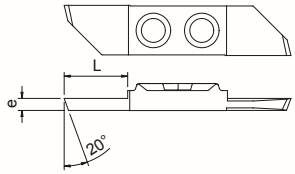


e	L	r	Article nr.	BI40
1,0	5,0	0,1	1051R1,0 - r 0,1 -	✓
1,2	6,0	0,1	1051R1,2 - r 0,1 -	✓
1,5	7,5	0,1	1051R1,5 - r 0,1 -	✓
2,0	10,5	0,1	1051R2,0 - r 0,1 -	✓
2,0	10,5	0,2	1051R2,0 - r 0,2	✓
2,5	10,5	0,2	1051R2,5 - r 0,2	✓

1052R / L

Cutting insert 20°

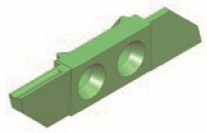


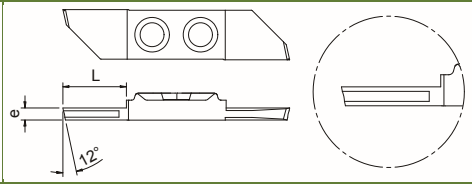


R			L			BI40
e	L	Article nr.	e	L	Article nr.	
1,2	6,0	1052R1,2	1,5	7,5	1052L1,5	✓
1,5	7,5	1052R1,5	2,0	10,5	1052L2,0	✓
2,0	10,5	1052R2,0	2,5	10,5	1052L2,5	✓
2,5	10,5	1052R2,5				✓

1054R / L

Cutting insert with chip roller



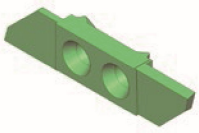


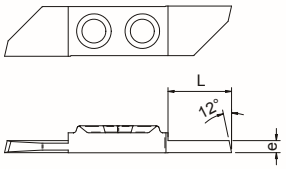
R			L			BI40
e	L	Article nr.	e	L	Article nr.	
1,2	6,0	1054R1,2	1,5	7,5	1054L1,5	✓
1,5	7,5	1054R1,5	2,0	10,5	1054L2,0	✓
2,0	10,5	1054R2,0				✓
2,5	10,5	1054R2,5				✓

Opposite cutting off Ø 20 mm

1053R / L

Opposite cutting insert



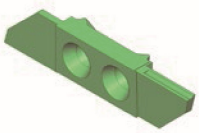


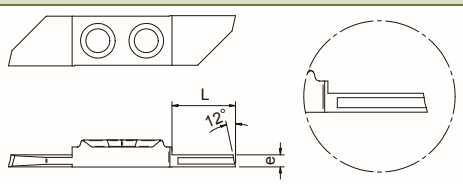
R			L			BI40
e	L	Article nr.	e	L	Article nr.	
1,0	5,0	1053R1,0	1,2	6,0	1053L1,2	✓
1,2	6,0	1053R1,2	1,5	7,5	1053L1,5	✓
1,5	7,5	1053R1,5	2,0	10,5	1053L2,0	✓
1,8	9,0	1053R1,8				✓
2,0	10,5	1053R2,0				✓
2,5	10,5	1053R2,5				✓

Use with 10xxL tool-holders

1053RX

Opposite cutting insert with chip roller



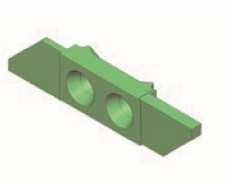


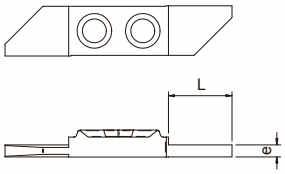
e	L	Article nr.	BI40
1,0	5,0	1053RX1,0	✓
1,2	6,0	1053RX1,2	✓
1,5	7,5	1053RX1,5	✓
2,0	10,5	1053RX2,0	✓

Use with 10xxL tool-holders

1053RP

Opposite cutting insert 0°



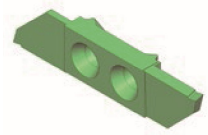


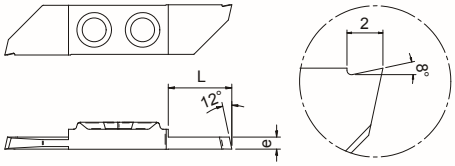
e	L	Article nr.	BI40
1,0	5,0	1053RP1,0	✓
1,2	6,0	1053RP1,2	✓
1,5	7,5	1053RP1,5	✓
2,0	10,5	1053RP2,0	✓
2,5	10,5	1053RP2,5	✓

Use with 10xxL tool-holders

1056R

Opposite cutting insert with chip breaker



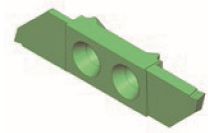


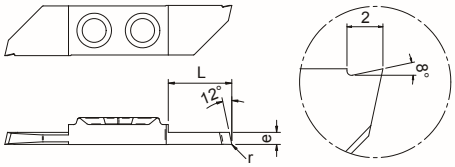
e	L	Article nr.	BI40
1,5	7,5	1056R1,5	✓
2,0	10,5	1056R2,0	✓
2,5	10,5	1056R2,5	✓

Use with 10xxL tool-holders

1056R - r

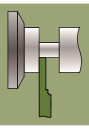
Opposite cutting insert with chip breaker and radius





e	L	r	Article nr.	BI40
1,0	5,0	0,1	1056R1,0 - r 0,1 -	✓
1,0	5,0	0,2	1056R1,0 - r 0,2 -	✓
1,5	7,5	0,1	1056R1,5 - r 0,1 -	✓
1,5	7,5	0,2	1056R1,5 - r 0,2 -	✓
2,0	10,5	0,1	1056R2,0 - r 0,1 -	✓
2,0	10,5	0,2	1056R2,0 - r 0,2 -	✓
2,5	10,5	0,2	1056R2,5 - r 0,2 -	✓

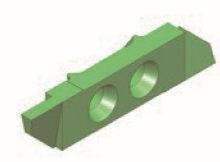
Use with 10xxL tool-holders

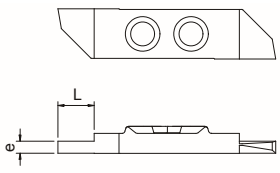


Back turning

1060RP / LP

Back turning insert 0°

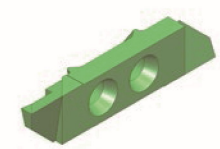


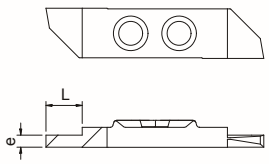


RP			LP			BI40
e	L	Article nr.	e	L	Article nr.	
0,5	2,0	1060RP0,5	1,0	3,0	1060LP1,0	✓
0,6	2,0	1060RP0,6	1,5	4,0	1060LP1,5	✓
0,8	2,0	1060RP0,8	2,0	5,0	1060LP2,0	✓
1,0	3,0	1060RP1,0	2,5	6,0	1060LP2,5	✓
1,2	3,0	1060RP1,2	3,0	6,0	1060LP3,0	✓
1,5	4,0	1060RP1,5				✓
1,8	4,0	1060RP1,8				✓
2,0	5,0	1060RP2,0				✓
2,5	6,0	1060RP2,5				✓
3,0	6,0	1060RP3,0				✓

1061R / L

Back turning insert with «parisian cut»

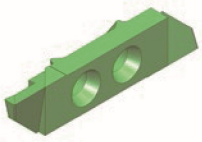


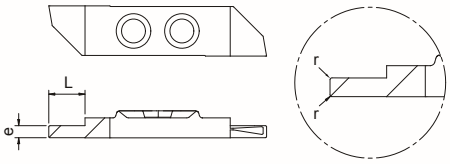


R			L			BI40
e	L	Article nr.	e	L	Article nr.	
1,0	3,0	1061R1,0	1,0	3,0	1061L1,0	✓
1,2	3,0	1061R1,2	1,5	4,0	1061L1,5	✓
1,5	4,0	1061R1,5	1,8	4,0	1061L1,8	✓
2,0	5,0	1061R2,0	2,0	5,0	1061L2,0	✓
2,5	6,0	1061R2,5	2,5	6,0	1061L2,5	✓
3,0	6,0	1061R3,0	3,0	6,0	1061L3,0	✓

1061R - r

Back turning insert with «parisian cut» and radius

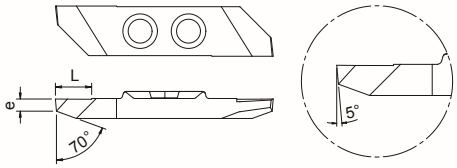




e	L	r	Article nr.	BI40U BI90	BI40
1,0	3,0	0,1	1061R1,0 - r 0,1 -	✓	✓
1,0	3,0	0,2	1061R1,0 - r 0,2 -	✓	✓
1,2	3,0	0,1	1061R1,2 - r 0,1 -	✓	✓
1,2	3,0	0,2	1061R1,2 - r 0,2 -	✓	✓
1,5	4,0	0,1	1061R1,5 - r 0,1 -	✓	✓
1,5	4,0	0,2	1061R1,5 - r 0,2 -	✓	✓
2,0	5,0	0,1	1061R2,0 - r 0,1 -	✓	✓
2,0	5,0	0,2	1061R2,0 - r 0,2 -	✓	✓
2,5	6,0	0,1	1061R2,5 - r 0,1 -	✓	✓
2,5	6,0	0,2	1061R2,5 - r 0,2 -	✓	✓
3,0	6,0	0,1	1061R3,0 - r 0,1 -	✓	✓
3,0	6,0	0,2	1061R3,0 - r 0,2 -	✓	✓

1062R / L

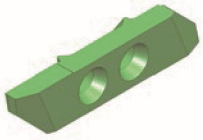
Back turning insert with «parisian cut»

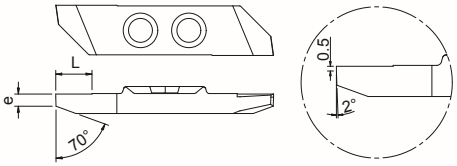


R			L			BI40
e	L	Article nr.	e	L	Article nr.	
1,0	6,0	1062R1,0	1,0	6,0	1062L1,0	✓
1,5	6,0	1062R1,5	1,5	6,0	1062L1,5	✓
2,0	6,0	1062R2,0	2,0	6,0	1062L2,0	✓

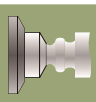
1062RO / LO

Back turning insert





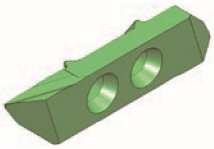
RO			LO			BI40
e	L	Article nr.	e	L	Article nr.	
1,0	5,0	1062RO1,0	1,0	5,0	1062LO1,0	✓
1,5	6,0	1062RO1,5	1,5	6,0	1062LO1,5	✓
			2,0	6,0	1062LO2,0	✓

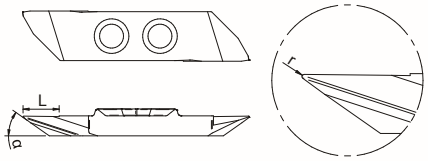


Front copy turning

1063Rb - r / Lb -r

Front copy turning insert with chip roller

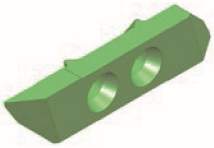


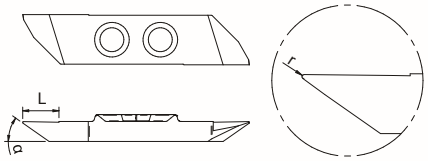


L	α	r	Article nr.	BI90
6,0	29°	0,15	1063Rb / Lb - 29° - r 0,15 -	✓
6,0	29°	0,35	1063Rb / Lb - 29° - r 0,35 -	✓
6,0	35°	0,15	1063Rb / Lb - 35° - r 0,15 -	✓
6,0	35°	0,35	1063Rb / Lb - 35° - r 0,35 -	✓

1063RO - r

Front copy turning insert



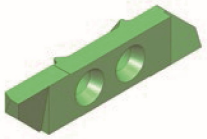


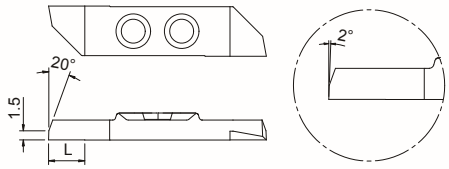
L	α	r	Article nr.	BI90
6,0	29°	0,15	1063RO - 29° - r 0,15 -	✓
6,0	29°	0,35	1063RO - 29° - r 0,35 -	✓
6,0	35°	0,15	1063RO - 35° - r 0,15 -	✓
6,0	35°	0,35	1063RO - 35° - r 0,35 -	✓

Front turning

1064R / L

Front turning insert

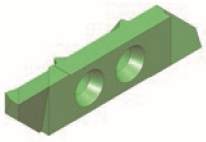


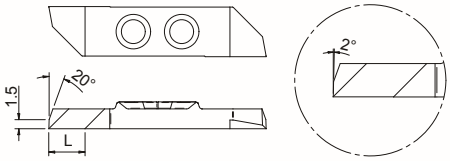


R		L		BI40
L	Article nr.	L	Article nr.	
6,0	1064R	6,0	1064L	✓

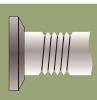
1065R / L

Front turning insert with chip breaker





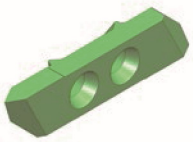
R		L		BI40
L	Article nr.	L	Article nr.	
6,0	1065R	6,0	1065L	✓

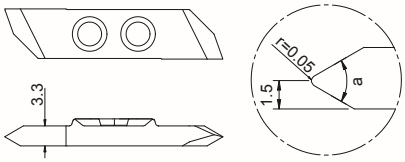


Threading

1080R

Threading insert with partial profile

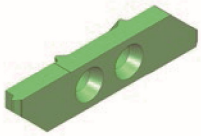


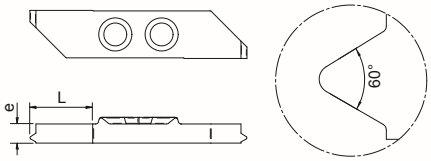


a	Article nr.	BI40
55°	1080R - 55° -	✓
60°	1080R - 60° -	✓

1081R

Threading insert with full profile



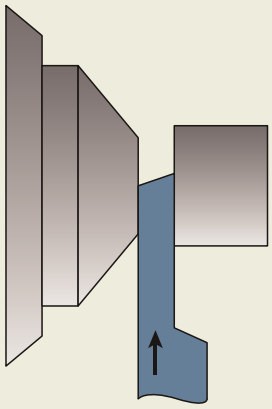


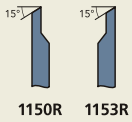
e	L	Pitch	M	Article nr.	BI40
1,0	3,0	0,45	2,5	1081R0,45	✓
1,0	3,0	0,50	3	1081R0,5	✓
1,0	3,0	0,60	–	1081R0,6	✓
1,0	3,0	0,70	4	1081R0,7	✓
1,5	4,5	0,80	5	1081R0,8	✓
1,5	4,5	1,00	6	1081R1,0	✓
1,5	4,5	1,25	8	1081R1,25	✓
2,0	5,0	1,50	10	1081R1,5	✓
2,0	5,0	1,75	12	1081R1,75	✓
2,5	5,0	2,00	16	1081R2,0	✓

Field of application of OXOline 1100

Maximum cutting-off

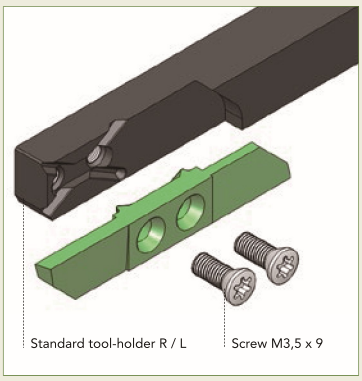
Ø 32 mm

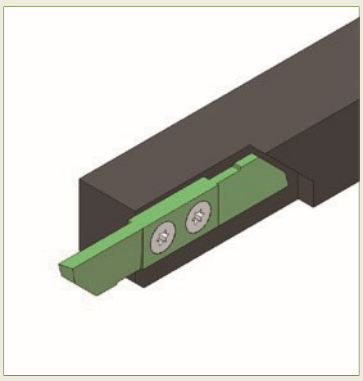


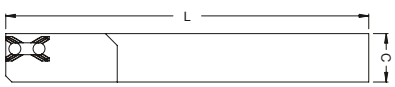


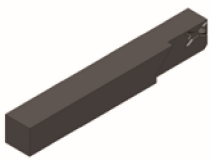
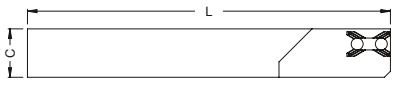
Cutting off

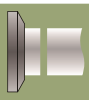
Standard fixation





11xxR	Right tool-holder	Section C	Length L	Article nr.
		10 x 10	124	1110R
		12 x 12	124	1112R
		16 x 16	124	1116R
		20 x 20	124	1120R

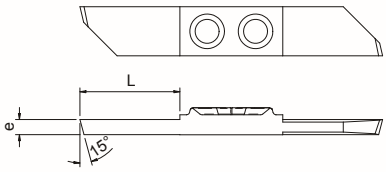
11xxL	Left tool-holder	Section C	Length L	Article nr.
		10 x 10	124	1110L
		12 x 12	124	1112L
		16 x 16	124	1116L
		20 x 20	124	1120L
		25 x 25	100	1125L



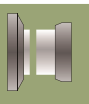
Cutting off Ø 32 mm

1150R

Cutting insert 15°



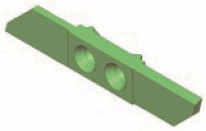
e	L	Article nr.	B140U B190
1,5	15,0	1150R1,5	✓
2,0	17,0	1150R2,0	✓
2,5	17,0	1150R2,5	✓
3,0	17,0	1150R3,0	✓

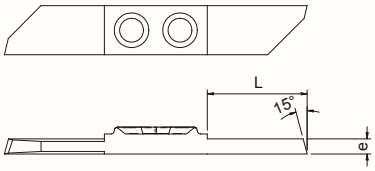


Opposite cutting off Ø 32 mm

1153R

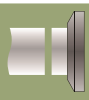
Opposite cutting insert 15°





e	L	Article nr.	B140U B190
1,5	15,0	1153R1,5	✓
2,0	17,0	1153R2,0	✓
2,5	17,0	1153R2,5	✓
3,0	17,0	1153R3,0	✓

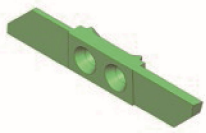
Use with 11xxL tool-holders

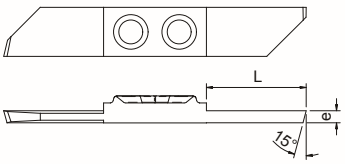


Cutting off Ø 32 mm

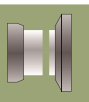
1150L

Cutting insert 15°





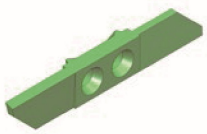
e	L	Article nr.	B140U B190
2,0	17,0	1150L2,0	✓
2,5	17,0	1150L2,5	✓
3,0	17,0	1150L3,0	✓

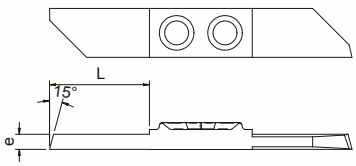


Opposite cutting off Ø 32 mm

1153L

Opposite cutting insert 15°





e	L	Article nr.	B140U B190
2,0	17,0	1153L2,0	✓
2,5	17,0	1153L2,5	✓
3,0	17,0	1153L3,0	✓

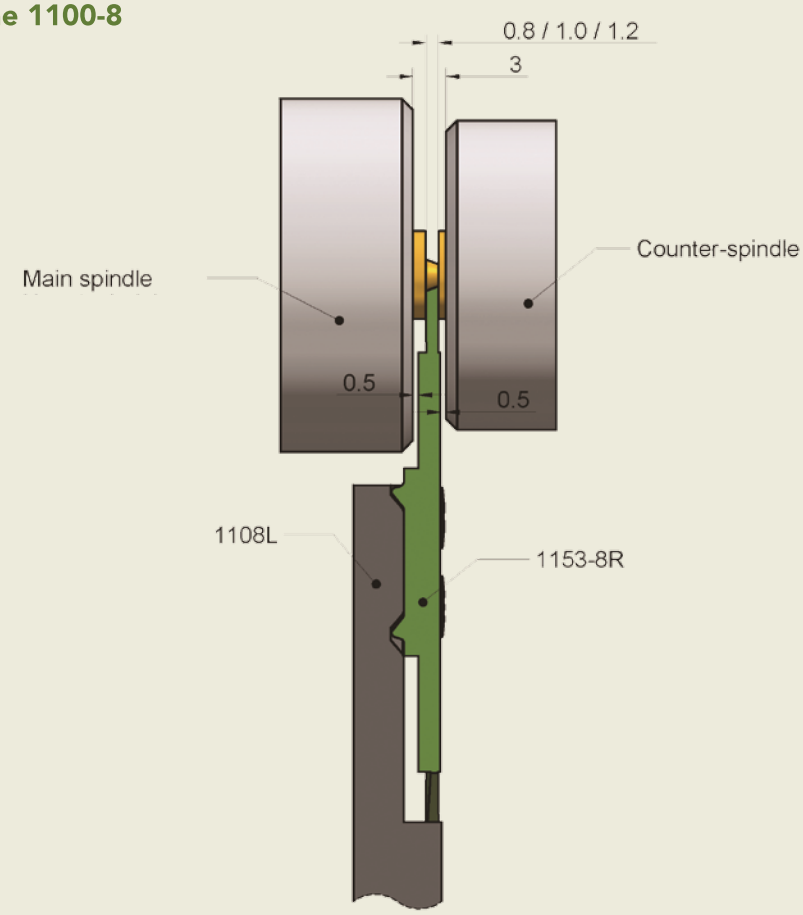
Use with 11xxR tool-holders

Field of application of OXOline 1100-8

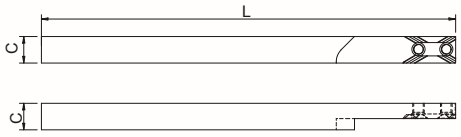
Maximum cutting-off

Ø 32 mm

Cutting off

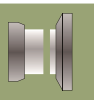


11x8L — Left tool-holder 8x8 mm



Section C	Length L	Article nr.
8 x 8	125	1108L

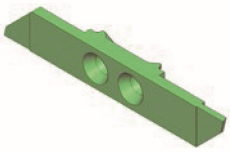
Use with 1153-8R inserts

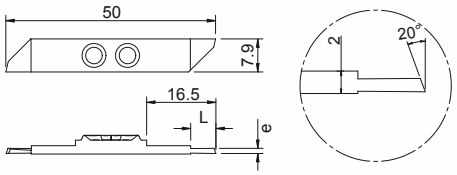


Opposite cutting off Ø 12 mm

R : Right machining

1153-8R — Opposite cutting insert 20°





e	L	Article nr.	BI40U BI90
0,8	4	1153-8R0,8	✓
1,0	4	1153-8R1,0	✓
1,2	6	1153-8R1,2	✓

Use with 1108L tool-holders