

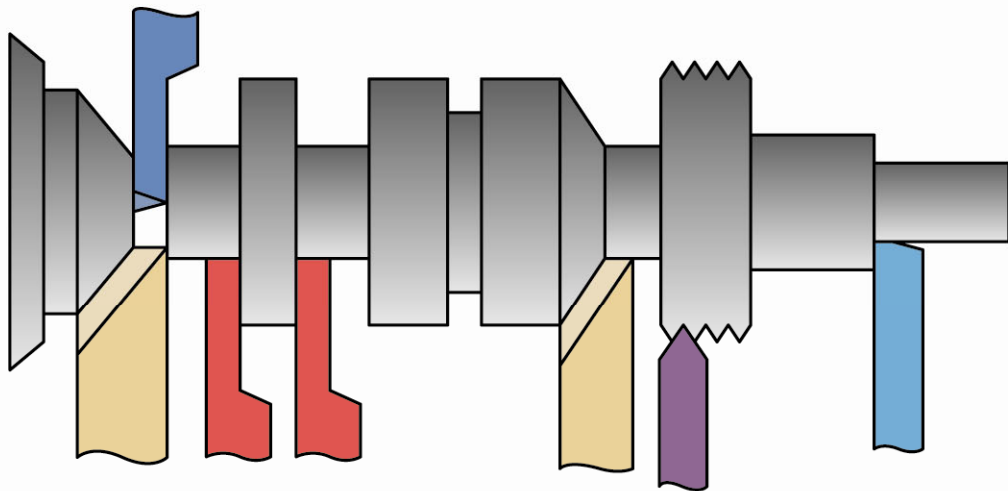


# profitline

*new technology low cost inserts* **500**



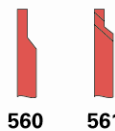




Cutting-off



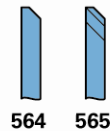
Plunging-Turning



Plunging-Turning



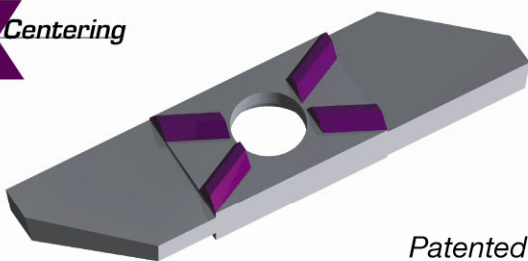
Threading



Turning

## New X-Centering technology

**X**Centering

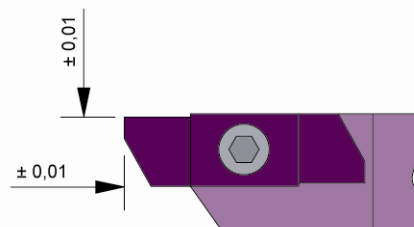


Patented

### Advantages of the new system

- Repetitiveness of the cutting edge  $\pm 0,01$  mm.
- Positioning in all axes (X).
- The screw is free of all radial stress.
- Accessibility to the clamping screw.
- Insert turning without having to remove the screw.
- Faster change of inserts using only one screw.
- Two cutting edges available.

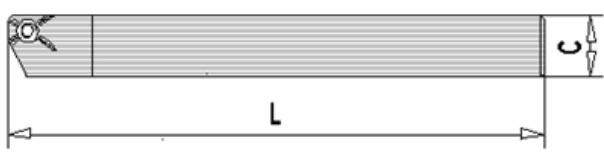
The innovative feature of this system lies in the insert fixing system. Around the fixing screw is a cross in the shape of an X, which is positive in the insert and negative in the tool holder, thereby making it possible to obtain auto-centering around the fixing screw.

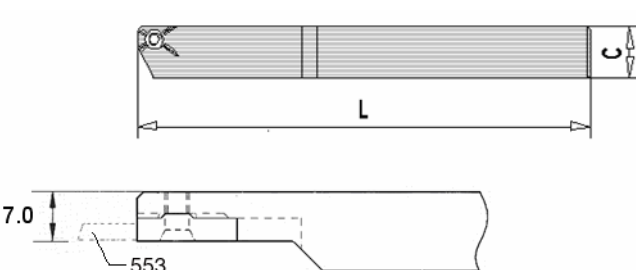


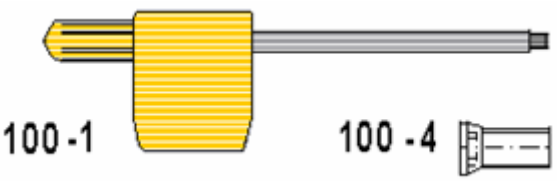
# ***Tool holders***

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## Tool holders for profitline 500 inserts

Tool holder	▶ for all 500 inserts, except 553		
	Article nr.	C	L
	810R	10 x 10	120
	812R	12 x 12	120
	816R	16 x 16	120
	838R 3/8"	3/8" x 3/8"	5"
	8127R 1/2"	1/2" x 1/2"	5"

Offset tool holder « Pick up »	▶ for 553 inserts		
	Article nr.	C	L
	810R4	10 x 10	120
	812R4	12 x 12	120
	816R4	16 x 16	120
	838R4 3/8"	3/8" x 3/8"	5"
	8127R4 1/2"	1/2" x 1/2"	5"

Key & Screw		
	Article nr.	C
	100-1	TORX 15
	100-4	M4,5 x 10

# ***Inserts***

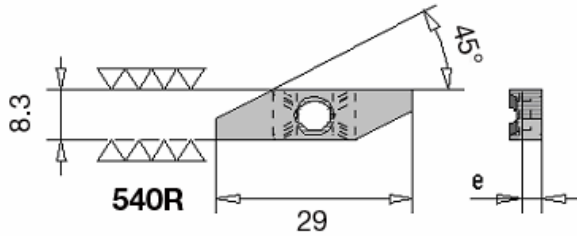
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## Coating

<b>BI40</b>	Universal high performance PVD coating (TiAlN)
<b>K20</b>	Without coating

### Blank insert

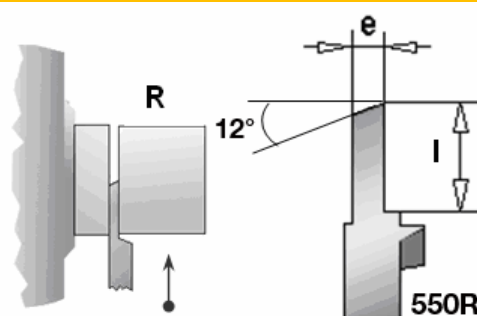
**Polish blank insert with coating**



e	Article nr.	(without coating)
2,8	540R2,8	K20

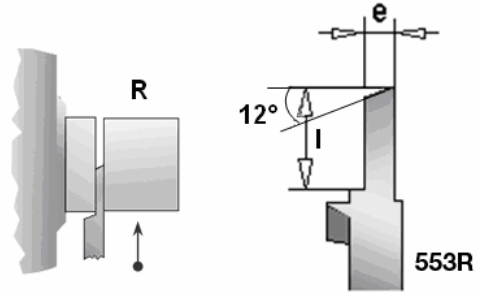
## Cut off

**Cut off**



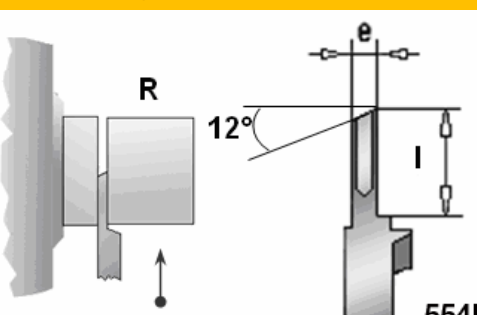
e	l	Article nr.	+ Coating
1,0	5	550R1,0	BI40
1,2	6	550R1,2	
1,5	6	550R1,5	
2,0	7	550R2,0	
2,5	7	550R2,5	

**Opposite cut off**



e	l	Article nr.	+ Coating
1,0	5	553R1,0	BI40
1,5	6	553R1,5	
2,0	7	553R2,0	
2,5	7	553R2,5	

**Cut off with groove**

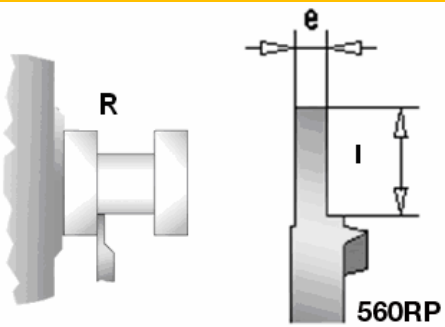


e	l	Article nr.	+ Coating
2,0	7	554R2,0	BI40
2,5	7	554R2,5	



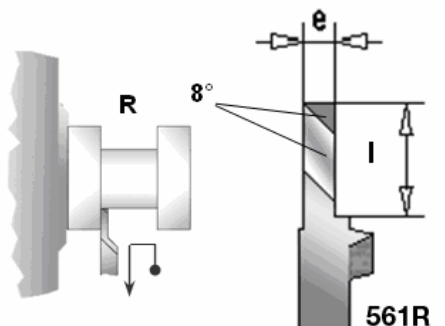
## Back turning

**Back turning**



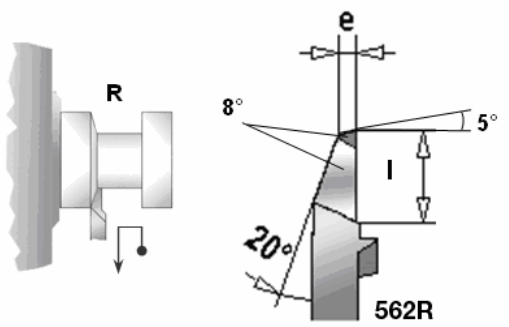
e	l	Article nr.	+ Coating
1,5	5	560RP1,5	
2,0	6	560RP2,0	BI40
2,5	6	560RP2,5	

**Back turning with « parisienne » cut**



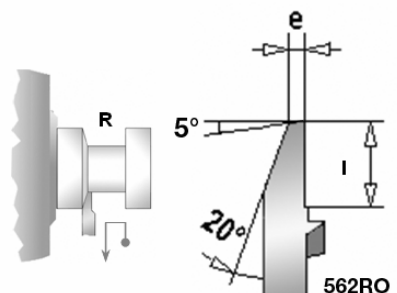
e	l	Article nr.	+ Coating
1,5	3	561R1,5	
2,0	5	561R2,0	BI40
2,5	6	561R2,5	

**Back turning with « parisienne » cut**



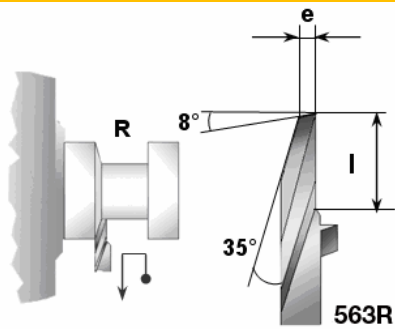
e	l	Article nr.	+ Coating
0,5	5	562R0,5	BI40
1,0	5	562R1,0	

**Back turning**



e	l	Article nr.	+ Coating
0,5	5	562RO0,5	BI40
1,0	5	562RO1,0	

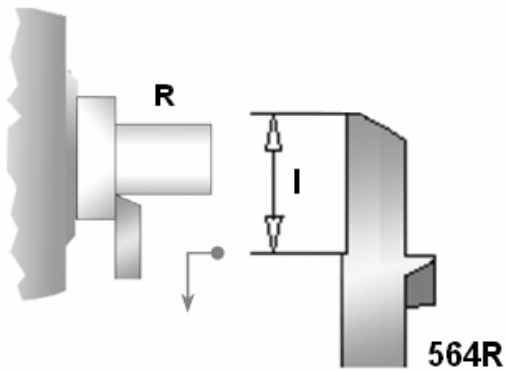
**Back turning with chip-breaker**



e	l	Article nr.	+ Coating
1,0	5	563R1,0	BI40

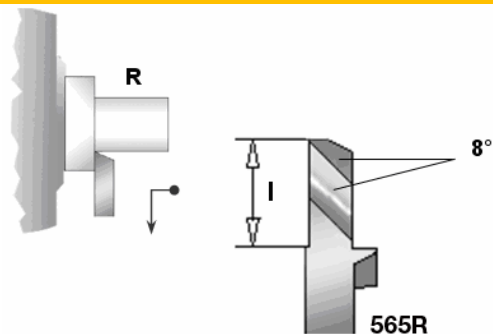
**Front turning**

**Front turning**



l	Article nr.	+ Coating
6	564R	BI40

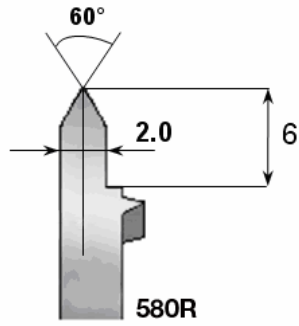
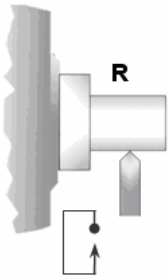
**Front turning with « parisienne » cut**



l	Article nr.	+ Coating
6	565R	BI40

## Threading insert

### Threading insert with partial profile



Article nr.	+ Coating
580R	BI40



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