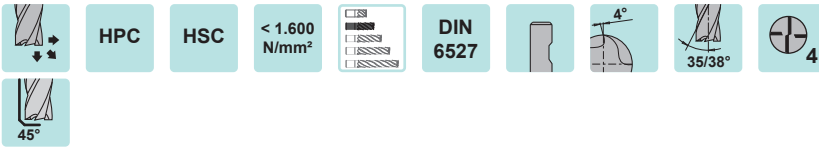


## CARBIDE ROUGH / FINISH MILLING CUTTER, LONG

WZF 12248



### PRODUCT DESCRIPTION

- » Relieved behind the cutting edge
- » High-performance milling cutter with non-uniform pitch and centre cut

### MATERIAL

- » Carbide, TiAlN multi-layer coated



d	Pcs. / PU	No.	d	Pcs. / PU	No.	d	Pcs. / PU	No.
4	5	WZF 12248/ 4/Set-5	8	5	WZF 12248/ 8/Set-5	16	5	WZF 12248/16/Set-5
4	10	WZF 12248/ 4/Set-10	8	10	WZF 12248/ 8/Set-10	16	10	WZF 12248/16/Set-10
5	5	WZF 12248/ 5/Set-5	10	5	WZF 12248/10/Set-5	20	5	WZF 12248/20/Set-5
5	10	WZF 12248/ 5/Set-10	10	10	WZF 12248/10/Set-10	20	10	WZF 12248/20/Set-10
6	5	WZF 12248/ 6/Set-5	12	5	WZF 12248/12/Set-5			
6	10	WZF 12248/ 6/Set-10	12	10	WZF 12248/12/Set-10			

## SET: CARBIDE ROUGH / FINISH MILLING CUTTER, LONG

WZF 12248/SET

### PRODUCT DESCRIPTION

- » Relieved behind the cutting edge
- » High-performance milling cutter with non-uniform pitch and centre cut

### MATERIAL

- » Carbide, TiAlN multi-layer coated

Set contents	No.
» d = 4, 5, 6, 8 in one set	WZF 12248/Set 4- 5- 6- 8
» d = 6, 8, 10, 12 in one set	WZF 12248/Set 6- 8-10-12
» d = 8, 10, 12, 16 in one set	WZF 12248/Set 8- 10- 12- 16
» d = 16, 20 in one set	WZF 12248/Set 16- 20



## CARBIDE ROUGH / FINISH MILLING CUTTER, XL

WZF 12258



### PRODUCT DESCRIPTION

- » High-performance milling cutter with non-uniform pitch and centre cut
- » Cutting edge length 3xd
- » Relieved behind the cutting edge

### MATERIAL

- » Carbide, TiAlN multi-layer coated



d	Pcs. / PU	No.	d	Pcs. / PU	No.	d	Pcs. / PU	No.
6	5	WZF 12258/ 6/Set-5	10	5	WZF 12258/10/Set-5	16	5	WZF 12258/16/Set-5
6	10	WZF 12258/ 6/Set-10	10	10	WZF 12258/10/Set-10	16	10	WZF 12258/16/Set-10
8	5	WZF 12258/ 8/Set-5	12	5	WZF 12258/12/Set-5	20	5	WZF 12258/20/Set-5
8	10	WZF 12258/ 8/Set-10	12	10	WZF 12258/12/Set-10	20	10	WZF 12258/20/Set-10

## SET: CARBIDE 3D FULL-RADIUS MILLING CUTTERS FOR GRAPHITE, RELIEVED

WZF 28996/SET

### PRODUCT DESCRIPTION

- » High-performance milling cutter for graphite
- » Ultimate precision in the  $\mu$  range
- » For highly precise contours and perfect concentricity

### MATERIAL

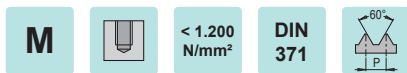
- » Carbide, diamond coated



Content	Pcs.	No.
WZF 28996/1 /10	1	WZF 28996/Set 1 -1,5- 2- 3
WZF 28996/1,5/15	1	
WZF 28996/2 /18	1	
WZF 28996/3 /18	1	

## HSS-E METRIC TAP FOR BLIND HOLES

WZG 341112




### PRODUCT DESCRIPTION


- » For ISO metric threads


### MATERIAL

- » HSS-E, TiN coated



d	 Pcs. / PU	No.
M 3	5	WZG 341112/ 3/Set-5
M 3	10	WZG 341112/ 3/Set-10
M 4	5	WZG 341112/ 4/Set-5
M 4	10	WZG 341112/ 4/Set-10
M 5	5	WZG 341112/ 5/Set-5
M 5	10	WZG 341112/ 5/Set-10

d	 Pcs. / PU	No.
M 6	5	WZG 341112/ 6/Set-5
M 6	10	WZG 341112/ 6/Set-10
M 8	5	WZG 341112/ 8/Set-5
M 8	10	WZG 341112/ 8/Set-10
M10	5	WZG 341112/10/Set-5
M10	10	WZG 341112/10/Set-10

d	 Pcs. / PU	No.
M12	5	WZG 341112/12/Set-5
M12	10	WZG 341112/12/Set-10
M16	5	WZG 341112/16/Set-5
M16	10	WZG 341112/16/Set-10

## SET: HSS-E METRIC THREAD TAPS FOR BLIND HOLE

WZG 341215/SET



### PRODUCT DESCRIPTION

» For ISO metric threads

### MATERIAL

» HSS-E (5% Co), TiN coated

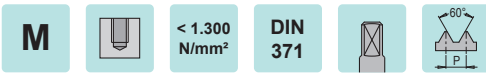
NOW  
**-39%**



Content	Pcs.	No.
WZG 341215/ 4	1	WZG 341215/Set 4-5-6-8-10-12
WZG 341215/ 5	1	
WZG 341215/ 6	1	
WZG 341215/ 8	1	
WZG 341215/10	1	
WZG 341215/12	1	

## HSS-E METRIC THREAD TAP FOR BLIND HOLE

WZG 341217



### PRODUCT DESCRIPTION

» For ISO metric threads

### MATERIAL

» HSS-E (5% Co), TiAlN coated



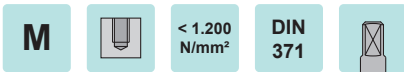
UP TO  
**-35%**



d	Pcs. / PU	No.	d	Pcs. / PU	No.	d	Pcs. / PU	No.
M 2	5	WZG 341217/ 2/Set-5	M 5	5	WZG 341217/ 5/Set-5	M12	5	WZG 341217/12/Set-5
M 2	10	WZG 341217/ 2/Set-10	M 5	10	WZG 341217/ 5/Set-10	M12	10	WZG 341217/12/Set-10
M 3	5	WZG 341217/ 3/Set-5	M 6	5	WZG 341217/ 6/Set-5	M14	5	WZG 341217/14/Set-5
M 3	10	WZG 341217/ 3/Set-10	M 6	10	WZG 341217/ 6/Set-10	M14	10	WZG 341217/14/Set-10
M 3,5	5	WZG 341217/ 3,5/Set-5	M 8	5	WZG 341217/ 8/Set-5	M16	5	WZG 341217/16/Set-5
M 3,5	10	WZG 341217/ 3,5/Set-10	M 8	10	WZG 341217/ 8/Set-10	M16	10	WZG 341217/16/Set-10
M 4	5	WZG 341217/ 4/Set-5	M10	5	WZG 341217/10/Set-5	M20	5	WZG 341217/20/Set-5
M 4	10	WZG 341217/ 4/Set-10	M10	10	WZG 341217/10/Set-10	M20	10	WZG 341217/20/Set-10

## HSS-E-PM METRIC THREAD TAP FOR BLIND HOLES

WZG 341312



### PRODUCT DESCRIPTION

» For ISO metric threads

### MATERIAL

» HSS-E-PM, TiN coated



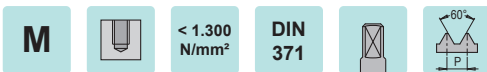
d	Pcs. / PU	No.
M 3	5	WZG 341312/ 3/Set-5
M 3	10	WZG 341312/ 3/Set-10
M 4	5	WZG 341312/ 4/Set-5
M 4	10	WZG 341312/ 4/Set-10
M 5	5	WZG 341312/ 5/Set-5
M 5	10	WZG 341312/ 5/Set-10

d	Pcs. / PU	No.
M 6	5	WZG 341312/ 6/Set-5
M 6	10	WZG 341312/ 6/Set-10
M 8	5	WZG 341312/ 8/Set-5
M 8	10	WZG 341312/ 8/Set-10
M 10	5	WZG 341312/10/Set-5
M 10	10	WZG 341312/10/Set-10

d	Pcs. / PU	No.
M12	5	WZG 341312/12/Set-5
M12	10	WZG 341312/12/Set-10
M16	5	WZG 341312/16/Set-5
M16	10	WZG 341312/16/Set-10

## HSS-E-PM METRIC THREAD TAP FOR BLIND HOLES

WZG 341317



### PRODUCT DESCRIPTION

» For ISO metric threads

### MATERIAL

» HSS-E-PM, TiAlN coated



d	Pcs. / PU	No.
M 3	5	WZG 341317/ 3/Set-5
M 3	10	WZG 341317/ 3/Set-10
M 4	5	WZG 341317/ 4/Set-5
M 4	10	WZG 341317/ 4/Set-10
M 5	5	WZG 341317/ 5/Set-5
M 5	10	WZG 341317/ 5/Set-10

d	Pcs. / PU	No.
M 6	5	WZG 341317/ 6/Set-5
M 6	10	WZG 341317/ 6/Set-10
M 8	5	WZG 341317/ 8/Set-5
M 8	10	WZG 341317/ 8/Set-10
M 10	5	WZG 341317/10/Set-5
M 10	10	WZG 341317/10/Set-10

d	Pcs. / PU	No.
M12	5	WZG 341317/12/Set-5
M12	10	WZG 341317/12/Set-10
M16	5	WZG 341317/16/Set-5
M16	10	WZG 341317/16/Set-10



### PRODUCT DESCRIPTION

- » High-performance drill with parabolic slot profile
- » Can be used as pilot hole or core hole drill

### MATERIAL

- » Carbide, TiAlN multi-layer coated



d	Pcs. / PU	No.	d	Pcs. / PU	No.	d	Pcs. / PU	No.
3	3	WZB 12222/ 3/Set-3	4.7	3	WZB 12222/ 4,7/Set-3	7.8	3	WZB 12222/ 7,8/Set-3
3	5	WZB 12222/ 3/Set-5	4.7	5	WZB 12222/ 4,7/Set-5	7.8	5	WZB 12222/ 7,8/Set-5
3.3	3	WZB 12222/ 3,3/Set-3	4.8	3	WZB 12222/ 4,8/Set-3	8	3	WZB 12222/ 8/Set-3
3.3	5	WZB 12222/ 3,3/Set-5	4.8	5	WZB 12222/ 4,8/Set-5	8	5	WZB 12222/ 8/Set-5
3.4	3	WZB 12222/ 3,4/Set-3	5	3	WZB 12222/ 5/Set-3	8.5	3	WZB 12222/ 8,5/Set-3
3.4	5	WZB 12222/ 3,4/Set-5	5	5	WZB 12222/ 5/Set-5	8.5	5	WZB 12222/ 8,5/Set-5
3.5	3	WZB 12222/ 3,5/Set-3	5.1	3	WZB 12222/ 5,1/Set-3	8.6	3	WZB 12222/ 8,6/Set-3
3.5	5	WZB 12222/ 3,5/Set-5	5.1	5	WZB 12222/ 5,1/Set-5	8.6	5	WZB 12222/ 8,6/Set-5
3.6	3	WZB 12222/ 3,6/Set-3	5.2	3	WZB 12222/ 5,2/Set-3	9	3	WZB 12222/ 9/Set-3
3.6	5	WZB 12222/ 3,6/Set-5	5.2	5	WZB 12222/ 5,2/Set-5	9	5	WZB 12222/ 9/Set-5
3.7	3	WZB 12222/ 3,7/Set-3	5.5	3	WZB 12222/ 5,5/Set-3	9.3	3	WZB 12222/ 9,3/Set-3
3.7	5	WZB 12222/ 3,7/Set-5	5.5	5	WZB 12222/ 5,5/Set-5	9.3	5	WZB 12222/ 9,3/Set-5
3.8	3	WZB 12222/ 3,8/Set-3	5.55	3	WZB 12222/ 5,55/Set-3	9.8	3	WZB 12222/ 9,8/Set-3
3.8	5	WZB 12222/ 3,8/Set-5	5.55	5	WZB 12222/ 5,55/Set-5	9.8	5	WZB 12222/ 9,8/Set-5
3.9	3	WZB 12222/ 3,9/Set-3	5.6	3	WZB 12222/ 5,6/Set-3	10	3	WZB 12222/10/Set-3
3.9	5	WZB 12222/ 3,9/Set-5	5.6	5	WZB 12222/ 5,6/Set-5	10	5	WZB 12222/10/Set-5
4	3	WZB 12222/ 4/Set-3	5.8	3	WZB 12222/ 5,8/Set-3	10.2	3	WZB 12222/10,2/Set-3
4	5	WZB 12222/ 4/Set-5	5.8	5	WZB 12222/ 5,8/Set-5	10.2	5	WZB 12222/10,2/Set-5
4.2	3	WZB 12222/ 4,2/Set-3	6	3	WZB 12222/ 6/Set-3	10.3	3	WZB 12222/10,3/Set-3
4.2	5	WZB 12222/ 4,2/Set-5	6	5	WZB 12222/ 6/Set-5	10.3	5	WZB 12222/10,3/Set-5
4.3	3	WZB 12222/ 4,3/Set-3	6.8	3	WZB 12222/ 6,8/Set-3	10.5	3	WZB 12222/10,5/Set-3
4.3	5	WZB 12222/ 4,3/Set-5	6.8	5	WZB 12222/ 6,8/Set-5	10.5	5	WZB 12222/10,5/Set-5
4.5	3	WZB 12222/ 4,5/Set-3	7	3	WZB 12222/ 7/Set-3	11.2	3	WZB 12222/11,2/Set-3
4.5	5	WZB 12222/ 4,5/Set-5	7	5	WZB 12222/ 7/Set-5	11.2	5	WZB 12222/11,2/Set-5
4.6	3	WZB 12222/ 4,6/Set-3	7.2	3	WZB 12222/ 7,2/Set-3	11.8	3	WZB 12222/11,8/Set-3
4.6	5	WZB 12222/ 4,6/Set-5	7.2	5	WZB 12222/ 7,2/Set-5	11.8	5	WZB 12222/11,8/Set-5
4.65	3	WZB 12222/ 4,65/Set-3	7.4	3	WZB 12222/ 7,4/Set-3	12	3	WZB 12222/12/Set-3
4.65	5	WZB 12222/ 4,65/Set-5	7.4	5	WZB 12222/ 7,4/Set-5	12	5	WZB 12222/12/Set-5



### PRODUCT DESCRIPTION

- » High-performance drill with parabolic slot profile
- » Can be used as pilot hole or core hole drill

### MATERIAL

- » Carbide, TiAlN multi-layer coated



d	Pcs. / PU	No.
3	3	WZB 12223/ 3/Set-3
3	5	WZB 12223/ 3/Set-5
3.3	3	WZB 12223/ 3,3/Set-3
3.3	5	WZB 12223/ 3,3/Set-5
3.4	3	WZB 12223/ 3,4/Set-3
3.4	5	WZB 12223/ 3,4/Set-5
3.5	3	WZB 12223/ 3,5/Set-3
3.5	5	WZB 12223/ 3,5/Set-5
3.6	3	WZB 12223/ 3,6/Set-3
3.6	5	WZB 12223/ 3,6/Set-5
3.7	3	WZB 12223/ 3,7/Set-3
3.7	5	WZB 12223/ 3,7/Set-5
3.8	3	WZB 12223/ 3,8/Set-3
3.8	5	WZB 12223/ 3,8/Set-5
3.9	3	WZB 12223/ 3,9/Set-3
3.9	5	WZB 12223/ 3,9/Set-5
4	3	WZB 12223/ 4/Set-3
4	5	WZB 12223/ 4/Set-5
4.2	3	WZB 12223/ 4,2/Set-3
4.2	5	WZB 12223/ 4,2/Set-5
4.3	3	WZB 12223/ 4,3/Set-3
4.3	5	WZB 12223/ 4,3/Set-5
4.5	3	WZB 12223/ 4,5/Set-3
4.5	5	WZB 12223/ 4,5/Set-5
4.6	3	WZB 12223/ 4,6/Set-3
4.6	5	WZB 12223/ 4,6/Set-5
4.65	3	WZB 12223/ 4,65/Set-3
4.65	5	WZB 12223/ 4,65/Set-5
4.7	3	WZB 12223/ 4,7/Set-3
4.7	5	WZB 12223/ 4,7/Set-5

d	Pcs. / PU	No.
4.8	3	WZB 12223/ 4,8/Set-3
4.8	5	WZB 12223/ 4,8/Set-5
5	3	WZB 12223/ 5/Set-3
5	5	WZB 12223/ 5/Set-5
5.1	3	WZB 12223/ 5,1/Set-3
5.1	5	WZB 12223/ 5,1/Set-5
5.2	3	WZB 12223/ 5,2/Set-3
5.2	5	WZB 12223/ 5,2/Set-5
5.5	3	WZB 12223/ 5,5/Set-3
5.5	5	WZB 12223/ 5,5/Set-5
5.55	3	WZB 12223/ 5,55/Set-3
5.55	5	WZB 12223/ 5,55/Set-5
5.6	3	WZB 12223/ 5,6/Set-3
5.6	5	WZB 12223/ 5,6/Set-5
5.8	3	WZB 12223/ 5,8/Set-3
5.8	5	WZB 12223/ 5,8/Set-5
6	3	WZB 12223/ 6/Set-3
6	5	WZB 12223/ 6/Set-5
6.8	3	WZB 12223/ 6,8/Set-3
6.8	5	WZB 12223/ 6,8/Set-5
7	3	WZB 12223/ 7/Set-3
7	5	WZB 12223/ 7/Set-5
7.2	3	WZB 12223/ 7,2/Set-3
7.2	5	WZB 12223/ 7,2/Set-5
7.4	3	WZB 12223/ 7,4/Set-3
7.4	5	WZB 12223/ 7,4/Set-5
7.8	3	WZB 12223/ 7,8/Set-3
7.8	5	WZB 12223/ 7,8/Set-5
8	3	WZB 12223/ 8/Set-3
8	5	WZB 12223/ 8/Set-5

d	Pcs. / PU	No.
8.1	3	WZB 12223/ 8,1/Set-3
8.1	5	WZB 12223/ 8,1/Set-5
8.5	3	WZB 12223/ 8,5/Set-3
8.5	5	WZB 12223/ 8,5/Set-5
8.6	3	WZB 12223/ 8,6/Set-3
8.6	5	WZB 12223/ 8,6/Set-5
9	3	WZB 12223/ 9/Set-3
9	5	WZB 12223/ 9/Set-5
9.3	3	WZB 12223/ 9,3/Set-3
9.3	5	WZB 12223/ 9,3/Set-5
9.5	3	WZB 12223/ 9,5/Set-3
9.5	5	WZB 12223/ 9,5/Set-5
9.8	3	WZB 12223/ 9,8/Set-3
9.8	5	WZB 12223/ 9,8/Set-5
10	3	WZB 12223/10/Set-3
10	5	WZB 12223/10/Set-5
10.2	3	WZB 12223/10,2/Set-3
10.2	5	WZB 12223/10,2/Set-5
10.3	3	WZB 12223/10,3/Set-3
10.3	5	WZB 12223/10,3/Set-5
10.5	3	WZB 12223/10,5/Set-3
10.5	5	WZB 12223/10,5/Set-5
11.2	3	WZB 12223/11,2/Set-3
11.2	5	WZB 12223/11,2/Set-5
11.8	3	WZB 12223/11,8/Set-3
11.8	5	WZB 12223/11,8/Set-5
12	3	WZB 12223/12/Set-3
12	5	WZB 12223/12/Set-5



### PRODUCT DESCRIPTION

- » Can be used as pilot hole or core hole drill
- » High-performance drill with parabolic slot profile


### MATERIAL


- » Carbide, TiAlN multi-layer coated

d	Pcs. / PU	No.
3	3	WZB 12224/ 3/Set-3
3	5	WZB 12224/ 3/Set-5
3.1	3	WZB 12224/ 3,1/Set-3
3.1	5	WZB 12224/ 3,1/Set-5
3.2	3	WZB 12224/ 3,2/Set-3
3.2	5	WZB 12224/ 3,2/Set-5
3.3	3	WZB 12224/ 3,3/Set-3
3.3	5	WZB 12224/ 3,3/Set-5
3.4	3	WZB 12224/ 3,4/Set-3
3.4	5	WZB 12224/ 3,4/Set-5
3.5	3	WZB 12224/ 3,5/Set-3
3.5	5	WZB 12224/ 3,5/Set-5
3.6	3	WZB 12224/ 3,6/Set-3
3.6	5	WZB 12224/ 3,6/Set-5
3.7	3	WZB 12224/ 3,7/Set-3
3.7	5	WZB 12224/ 3,7/Set-5
3.8	3	WZB 12224/ 3,8/Set-3
3.8	5	WZB 12224/ 3,8/Set-5
3.9	3	WZB 12224/ 3,9/Set-3
3.9	5	WZB 12224/ 3,9/Set-5
4	3	WZB 12224/ 4/Set-3
4	5	WZB 12224/ 4/Set-5
4.1	3	WZB 12224/ 4,1/Set-3
4.1	5	WZB 12224/ 4,1/Set-5
4.2	3	WZB 12224/ 4,2/Set-3
4.2	5	WZB 12224/ 4,2/Set-5
4.3	3	WZB 12224/ 4,3/Set-3
4.3	5	WZB 12224/ 4,3/Set-5
4.4	3	WZB 12224/ 4,4/Set-3
4.4	5	WZB 12224/ 4,4/Set-5
4.5	3	WZB 12224/ 4,5/Set-3
4.5	5	WZB 12224/ 4,5/Set-5
4.6	3	WZB 12224/ 4,6/Set-3
4.6	5	WZB 12224/ 4,6/Set-5
4.65	3	WZB 12224/ 4,65/Set-3
4.65	5	WZB 12224/ 4,65/Set-5

d	Pcs. / PU	No.
4.7	3	WZB 12224/ 4,7/Set-3
4.7	5	WZB 12224/ 4,7/Set-5
4.8	3	WZB 12224/ 4,8/Set-3
4.8	5	WZB 12224/ 4,8/Set-5
4.9	3	WZB 12224/ 4,9/Set-3
4.9	5	WZB 12224/ 4,9/Set-5
5	3	WZB 12224/ 5/Set-3
5	5	WZB 12224/ 5/Set-5
5.1	3	WZB 12224/ 5,1/Set-3
5.1	5	WZB 12224/ 5,1/Set-5
5.2	3	WZB 12224/ 5,2/Set-3
5.2	5	WZB 12224/ 5,2/Set-5
5.3	3	WZB 12224/ 5,3/Set-3
5.3	5	WZB 12224/ 5,3/Set-5
5.4	3	WZB 12224/ 5,4/Set-3
5.4	5	WZB 12224/ 5,4/Set-5
5.5	3	WZB 12224/ 5,5/Set-3
5.5	5	WZB 12224/ 5,5/Set-5
5.55	3	WZB 12224/ 5,55/Set-3
5.55	5	WZB 12224/ 5,55/Set-5
5.6	3	WZB 12224/ 5,6/Set-3
5.6	5	WZB 12224/ 5,6/Set-5
5.7	3	WZB 12224/ 5,7/Set-3
5.7	5	WZB 12224/ 5,7/Set-5
5.8	3	WZB 12224/ 5,8/Set-3
5.8	5	WZB 12224/ 5,8/Set-5
5.9	3	WZB 12224/ 5,9/Set-3
5.9	5	WZB 12224/ 5,9/Set-5
6	3	WZB 12224/ 6/Set-3
6	5	WZB 12224/ 6/Set-5
6.1	3	WZB 12224/ 6,1/Set-3
6.1	5	WZB 12224/ 6,1/Set-5
6.2	3	WZB 12224/ 6,2/Set-3
6.2	5	WZB 12224/ 6,2/Set-5
6.3	3	WZB 12224/ 6,3/Set-3
6.3	5	WZB 12224/ 6,3/Set-5

d	Pcs. / PU	No.
6.4	3	WZB 12224/ 6,4/Set-3
6.4	5	WZB 12224/ 6,4/Set-5
6.5	3	WZB 12224/ 6,5/Set-3
6.5	5	WZB 12224/ 6,5/Set-5
6.6	3	WZB 12224/ 6,6/Set-3
6.6	5	WZB 12224/ 6,6/Set-5
6.7	3	WZB 12224/ 6,7/Set-3
6.7	5	WZB 12224/ 6,7/Set-5
6.8	3	WZB 12224/ 6,8/Set-3
6.8	5	WZB 12224/ 6,8/Set-5
6.9	3	WZB 12224/ 6,9/Set-3
6.9	5	WZB 12224/ 6,9/Set-5
7	3	WZB 12224/ 7/Set-3
7	5	WZB 12224/ 7/Set-5
7.1	3	WZB 12224/ 7,1/Set-3
7.1	5	WZB 12224/ 7,1/Set-5
7.2	3	WZB 12224/ 7,2/Set-3
7.2	5	WZB 12224/ 7,2/Set-5
7.3	3	WZB 12224/ 7,3/Set-3
7.3	5	WZB 12224/ 7,3/Set-5
7.4	3	WZB 12224/ 7,4/Set-3
7.4	5	WZB 12224/ 7,4/Set-5
7.5	3	WZB 12224/ 7,5/Set-3
7.5	5	WZB 12224/ 7,5/Set-5
7.6	3	WZB 12224/ 7,6/Set-3
7.6	5	WZB 12224/ 7,6/Set-5
7.7	3	WZB 12224/ 7,7/Set-3
7.7	5	WZB 12224/ 7,7/Set-5
7.8	3	WZB 12224/ 7,8/Set-3
7.8	5	WZB 12224/ 7,8/Set-5
7.9	3	WZB 12224/ 7,9/Set-3
7.9	5	WZB 12224/ 7,9/Set-5
8	3	WZB 12224/ 8/Set-3
8	5	WZB 12224/ 8/Set-5
8.1	3	WZB 12224/ 8,1/Set-3
8.1	5	WZB 12224/ 8,1/Set-5

d	 Pcs. / PU	No.
8.2	3	WZB 12224/ 8,2/Set-3
8.2	5	WZB 12224/ 8,2/Set-5
8.3	3	WZB 12224/ 8,3/Set-3
8.3	5	WZB 12224/ 8,3/Set-5
8.4	3	WZB 12224/ 8,4/Set-3
8.4	5	WZB 12224/ 8,4/Set-5
8.5	3	WZB 12224/ 8,5/Set-3
8.5	5	WZB 12224/ 8,5/Set-5
8.6	3	WZB 12224/ 8,6/Set-3
8.6	5	WZB 12224/ 8,6/Set-5
8.7	3	WZB 12224/ 8,7/Set-3
8.7	5	WZB 12224/ 8,7/Set-5
8.8	3	WZB 12224/ 8,8/Set-3
8.8	5	WZB 12224/ 8,8/Set-5
8.9	3	WZB 12224/ 8,9/Set-3
8.9	5	WZB 12224/ 8,9/Set-5
9	3	WZB 12224/ 9/Set-3
9	5	WZB 12224/ 9/Set-5
9.1	3	WZB 12224/ 9,1/Set-3
9.1	5	WZB 12224/ 9,1/Set-5
9.2	3	WZB 12224/ 9,2/Set-3
9.2	5	WZB 12224/ 9,2/Set-5
9.3	3	WZB 12224/ 9,3/Set-3
9.3	5	WZB 12224/ 9,3/Set-5

d	 Pcs. / PU	No.
9.4	3	WZB 12224/ 9,4/Set-3
9.4	5	WZB 12224/ 9,4/Set-5
9.5	3	WZB 12224/ 9,5/Set-3
9.5	5	WZB 12224/ 9,5/Set-5
9.6	3	WZB 12224/ 9,6/Set-3
9.6	5	WZB 12224/ 9,6/Set-5
9.7	3	WZB 12224/ 9,7/Set-3
9.7	5	WZB 12224/ 9,7/Set-5
9.8	3	WZB 12224/ 9,8/Set-3
9.8	5	WZB 12224/ 9,8/Set-5
9.9	3	WZB 12224/ 9,9/Set-3
9.9	5	WZB 12224/ 9,9/Set-5
10	3	WZB 12224/10/Set-3
10	5	WZB 12224/10/Set-5
10.1	3	WZB 12224/10,1/Set-3
10.1	5	WZB 12224/10,1/Set-5
10.2	3	WZB 12224/10,2/Set-3
10.2	5	WZB 12224/10,2/Set-5
10.3	3	WZB 12224/10,3/Set-3
10.3	5	WZB 12224/10,3/Set-5
10.4	3	WZB 12224/10,4/Set-3
10.4	5	WZB 12224/10,4/Set-5
10.5	3	WZB 12224/10,5/Set-3
10.5	5	WZB 12224/10,5/Set-5

d	 Pcs. / PU	No.
10.6	3	WZB 12224/10,6/Set-3
10.6	5	WZB 12224/10,6/Set-5
10.7	3	WZB 12224/10,7/Set-3
10.7	5	WZB 12224/10,7/Set-5
10.8	3	WZB 12224/10,8/Set-3
10.8	5	WZB 12224/10,8/Set-5
10.9	3	WZB 12224/10,9/Set-3
10.9	5	WZB 12224/10,9/Set-5
11	3	WZB 12224/11/Set-3
11	5	WZB 12224/11/Set-5
11.1	3	WZB 12224/11,1/Set-3
11.1	5	WZB 12224/11,1/Set-5
11.2	3	WZB 12224/11,2/Set-3
11.2	5	WZB 12224/11,2/Set-5
11.5	3	WZB 12224/11,5/Set-3
11.5	5	WZB 12224/11,5/Set-5
11.6	3	WZB 12224/11,6/Set-3
11.6	5	WZB 12224/11,6/Set-5
11.8	3	WZB 12224/11,8/Set-3
11.8	5	WZB 12224/11,8/Set-5
11.9	3	WZB 12224/11,9/Set-3
11.9	5	WZB 12224/11,9/Set-5
12	3	WZB 12224/12/Set-3
12	5	WZB 12224/12/Set-5





< 60  
HRC



### PRODUCT DESCRIPTION

- » High-precision cutting edge for materials up to 60 HRC
- » For roughing, semi-finishing and finishing
- » High feed geometry for the roughing

PG <sup>1)</sup>	R	PS <sup>2)</sup>	 Pcs. / PU	No.
06	-	MV854	20	WZP 170/06/MV854/Set-2
06	-	MV854	40	WZP 170/06/MV854/Set-4
08	-	MV854	20	WZP 170/08/MV854/Set-2
08	-	MV854	40	WZP 170/08/MV854/Set-4
10	-	MV854	20	WZP 170/10/MV854/Set-2
10	-	MV854	40	WZP 170/10/MV854/Set-4
12	-	MV854	20	WZP 170/12/MV854/Set-2
12	-	MV854	40	WZP 170/12/MV854/Set-4
16	-	MV854	20	WZP 170/16/MV854/Set-2
16	-	MV854	40	WZP 170/16/MV854/Set-4
20	-	MV854	20	WZP 170/20/MV854/Set-2
20	-	MV854	40	WZP 170/20/MV854/Set-4
08	1	MU854	20	WZP 170/08/1/MU854/Set-2
08	1	MU854	40	WZP 170/08/1/MU854/Set-4
10	1	MU854	20	WZP 170/10/1/MU854/Set-2
10	1	MU854	40	WZP 170/10/1/MU854/Set-4
12	1	MU854	20	WZP 170/12/1/MU854/Set-2
12	1	MU854	40	WZP 170/12/1/MU854/Set-4
12	2	MU854	20	WZP 170/12/2/MU854/Set-2
12	2	MU854	40	WZP 170/12/2/MU854/Set-4
16	1	MU854	20	WZP 170/16/1/MU854/Set-2

PG <sup>1)</sup>	R	PS <sup>2)</sup>	 Pcs. / PU	No.
16	1	MU854	40	WZP 170/16/1/MU854/Set-4
16	3	MU854	20	WZP 170/16/3/MU854/Set-2
16	3	MU854	40	WZP 170/16/3/MU854/Set-4
20	1	MU854	20	WZP 170/20/1/MU854/Set-2
20	1	MU854	40	WZP 170/20/1/MU854/Set-4
20	4	MU854	20	WZP 170/20/4/MU854/Set-2
20	4	MU854	40	WZP 170/20/4/MU854/Set-4
25	1	MU854	20	WZP 170/25/1/MU854/Set-2
25	1	MU854	40	WZP 170/25/1/MU854/Set-4
25	5	MU854	20	WZP 170/25/5/MU854/Set-2
25	5	MU854	40	WZP 170/25/5/MU854/Set-4
06	0.5	F10	10	WZP 170/06/0,5/F10/Set-2
06	0.5	F10	20	WZP 170/06/0,5/F10/Set-4
08	1	F10	10	WZP 170/08/1 /F10/Set-2
08	1	F10	20	WZP 170/08/1 /F10/Set-4
10	1	F10	10	WZP 170/10/1 /F10/Set-2
10	1	F10	20	WZP 170/10/1 /F10/Set-4
12	1	F10	10	WZP 170/12/1 /F10/Set-2
12	1	F10	20	WZP 170/12/1 /F10/Set-4
16	1	F10	10	WZP 170/16/1 /F10/Set-2
16	1	F10	20	WZP 170/16/1 /F10/Set-4


1) PG: plate size


2) PS: plate type

### PRODUCT DESCRIPTION

- » High-precision geometry with twisted cutting edge
- » For hardened materials up to 63 HRC
- » For roughing, semi-finishing and finishing



PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
12	MA54	20	WZP 180/12/MA54/Set-2
12	MA54	40	WZP 180/12/MA54/Set-4
16	MA54	20	WZP 180/16/MA54/Set-2
16	MA54	40	WZP 180/16/MA54/Set-4
25	MA54	20	WZP 180/25/MA54/Set-2
25	MA54	40	WZP 180/25/MA54/Set-4
06	FU854	20	WZP 180/06/FU854/Set-2
06	FU854	40	WZP 180/06/FU854/Set-4
08	FU854	20	WZP 180/08/FU854/Set-2
08	FU854	40	WZP 180/08/FU854/Set-4
08	FX854	20	WZP 180/08/FX854/Set-2
08	FX854	40	WZP 180/08/FX854/Set-4
10	FU854	20	WZP 180/10/FU854/Set-2
10	FU854	40	WZP 180/10/FU854/Set-4
12	FU854	20	WZP 180/12/FU854/Set-2
12	FU854	40	WZP 180/12/FU854/Set-4
12	FX854	20	WZP 180/12/FX854/Set-2
12	FX854	40	WZP 180/12/FX854/Set-4
16	FU854	20	WZP 180/16/FU854/Set-2
16	FU854	40	WZP 180/16/FU854/Set-4
16	FX854	20	WZP 180/16/FX854/Set-2
16	FX854	40	WZP 180/16/FX854/Set-4
20	FU854	20	WZP 180/20/FU854/Set-2

PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
20	FU854	40	WZP 180/20/FU854/Set-4
06	MU854	20	WZP 180/06/MU854/Set-2
06	MU854	40	WZP 180/06/MU854/Set-4
08	MU854	20	WZP 180/08/MU854/Set-2
08	MU854	40	WZP 180/08/MU854/Set-4
08	MX854	20	WZP 180/08/MX854/Set-2
08	MX854	40	WZP 180/08/MX854/Set-4
10	MU854	20	WZP 180/10/MU854/Set-2
10	MU854	40	WZP 180/10/MU854/Set-4
12	MU854	20	WZP 180/12/MU854/Set-2
12	MU854	40	WZP 180/12/MU854/Set-4
12	MX854	20	WZP 180/12/MX854/Set-2
12	MX854	40	WZP 180/12/MX854/Set-4
16	MU854	20	WZP 180/16/MU854/Set-2
16	MU854	40	WZP 180/16/MU854/Set-4
16	MX854	20	WZP 180/16/MX854/Set-2
16	MX854	40	WZP 180/16/MX854/Set-4
06	F10	10	WZP 180/06/F10/Set-2
06	F10	20	WZP 180/06/F10/Set-4
08	F10	10	WZP 180/08/F10/Set-2
08	F10	20	WZP 180/08/F10/Set-4
10	F10	10	WZP 180/10/F10/Set-2
10	F10	20	WZP 180/10/F10/Set-4


1) PG: plate size


2) PS: plate type

### PRODUCT DESCRIPTION

- » Specifically for the materials used in die and mould making
- » Vibration-free work
- » Very smooth running
- » Soft cut through helix in cutting edge
- » Easy cutting geometry



PG <sup>1)</sup>	R	PS <sup>2)</sup>	 Pcs. / PU	No.
07	0.4	F20	30	WZP 211/07/0,4/F20/Set-3
07	0.4	F20	50	WZP 211/07/0,4/F20/Set-5
07	0.4	F45	30	WZP 211/07/0,4/F45/Set-3
07	0.4	F45	50	WZP 211/07/0,4/F45/Set-5
07	0.4	F54	30	WZP 211/07/0,4/F54/Set-3
07	0.4	F54	50	WZP 211/07/0,4/F54/Set-5
07	0.4	M45	30	WZP 211/07/0,4/M45/Set-3
07	0.4	M45	50	WZP 211/07/0,4/M45/Set-5
07	0.4	M54	30	WZP 211/07/0,4/M54/Set-3
07	0.4	M54	50	WZP 211/07/0,4/M54/Set-5
07	0.8	F20	30	WZP 211/07/0,8/F20/Set-3
07	0.8	F20	50	WZP 211/07/0,8/F20/Set-5
07	0.8	F45	30	WZP 211/07/0,8/F45/Set-3
07	0.8	F45	50	WZP 211/07/0,8/F45/Set-5
07	0.8	F54	30	WZP 211/07/0,8/F54/Set-3
07	0.8	F54	50	WZP 211/07/0,8/F54/Set-5
07	0.8	M45	30	WZP 211/07/0,8/M45/Set-3
07	0.8	M45	50	WZP 211/07/0,8/M45/Set-5
07	0.8	M54	30	WZP 211/07/0,8/M54/Set-3
07	0.8	M54	50	WZP 211/07/0,8/M54/Set-5
11	0.4	F45	30	WZP 211/11/0,4/F45/Set-3
11	0.4	F45	50	WZP 211/11/0,4/F45/Set-5
11	0.4	M45	30	WZP 211/11/0,4/M45/Set-3
11	0.4	M45	50	WZP 211/11/0,4/M45/Set-5
11	0.8	F45	30	WZP 211/11/0,8/F45/Set-3
11	0.8	F45	50	WZP 211/11/0,8/F45/Set-5
11	0.8	M45	30	WZP 211/11/0,8/M45/Set-3
11	0.8	M45	50	WZP 211/11/0,8/M45/Set-5

PG <sup>1)</sup>	R	PS <sup>2)</sup>	 Pcs. / PU	No.
11	0.8	F54	30	WZP 211/11/0,8/F54/Set-3
11	0.8	F54	50	WZP 211/11/0,8/F54/Set-5
11	0.8	M54	30	WZP 211/11/0,8/M54/Set-3
11	0.8	M54	50	WZP 211/11/0,8/M54/Set-5
11	1.2	F54	30	WZP 211/11/1,2/F54/Set-3
11	1.2	F54	50	WZP 211/11/1,2/F54/Set-5
11	1.2	M54	30	WZP 211/11/1,2/M54/Set-3
11	1.2	M54	50	WZP 211/11/1,2/M54/Set-5
11	0.8	R80	30	WZP 211/11/0,8/R80/Set-3
11	0.8	R80	50	WZP 211/11/0,8/R80/Set-5
11	0.2	F20	30	WZP 211/11/0,2/F20/Set-3
11	0.2	F20	50	WZP 211/11/0,2/F20/Set-5
11	0.4	F20	30	WZP 211/11/0,4/F20/Set-3
11	0.4	F20	50	WZP 211/11/0,4/F20/Set-5
11	0.8	F20	30	WZP 211/11/0,8/F20/Set-3
11	0.8	F20	50	WZP 211/11/0,8/F20/Set-5
11	1.2	F20	30	WZP 211/11/1,2/F20/Set-3
11	1.2	F20	50	WZP 211/11/1,2/F20/Set-5
11	1.6	F20	30	WZP 211/11/1,6/F20/Set-3
11	1.6	F20	50	WZP 211/11/1,6/F20/Set-5
15	0.8	F45	30	WZP 211/15/0,8/F45/Set-3
15	0.8	F45	50	WZP 211/15/0,8/F45/Set-5
15	0.8	M45	30	WZP 211/15/0,8/M45/Set-3
15	0.8	M45	50	WZP 211/15/0,8/M45/Set-5
15	0.8	M54	30	WZP 211/15/0,8/M54/Set-3
15	0.8	M54	50	WZP 211/15/0,8/M54/Set-5
15	0.8	R80	30	WZP 211/15/0,8/R80/Set-3
15	0.8	R80	50	WZP 211/15/0,8/R80/Set-5

1) PG: plate size

2) PS: plate type


## INDEXABLE INSERT FOR ROUND INSERT MILLING CUTTER


WZP 251

### PRODUCT DESCRIPTION

- » Specifically for the materials used in die and mould making
- » Maximum metal removal rate
- » Maximum feed rates



PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
05	F20	30	WZP 251/05/F20/Set-3
05	F20	50	WZP 251/05/F20/Set-5
05	M45	30	WZP 251/05/M45/Set-3
05	M45	50	WZP 251/05/M45/Set-5
08	M54	30	WZP 251/08/M54/Set-3
08	M54	50	WZP 251/08/M54/Set-5
08	F20	30	WZP 251/08/F20/Set-3
08	F20	50	WZP 251/08/F20/Set-5
08	M45	30	WZP 251/08/M45/Set-3
08	M45	50	WZP 251/08/M45/Set-5
10	F20	30	WZP 251/10/F20/Set-3
10	F20	50	WZP 251/10/F20/Set-5
10	F54	30	WZP 251/10/F54/Set-3
10	F54	50	WZP 251/10/F54/Set-5
10	M54	30	WZP 251/10/M54/Set-3
10	M54	50	WZP 251/10/M54/Set-5

PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
10	F45	30	WZP 251/10/F45/Set-3
10	F45	50	WZP 251/10/F45/Set-5
12	F20	30	WZP 251/12/F20/Set-3
12	F20	50	WZP 251/12/F20/Set-5
12	F54	30	WZP 251/12/F54/Set-3
12	F54	50	WZP 251/12/F54/Set-5
12	F45	30	WZP 251/12/F45/Set-3
12	F45	50	WZP 251/12/F45/Set-5
12	M54	30	WZP 251/12/M54/Set-3
12	M54	50	WZP 251/12/M54/Set-5
12	FG45	30	WZP 251/12/FG45/Set-3
12	FG45	50	WZP 251/12/FG45/Set-5
12	MG45	30	WZP 251/12/MG45/Set-3
12	MG45	50	WZP 251/12/MG45/Set-5
12	R80	30	WZP 251/12/R80/Set-3
12	R80	50	WZP 251/12/R80/Set-5

1) PG: plate size

2) PS: plate type


## HIGH-FEED INDEXABLE INSERT


WZP 513

### PRODUCT DESCRIPTION

- » Specifically for the materials used in die and mould making
- » Maximum efficiency
- » Soft cutting and reduced vibration
- » Feed rates up to 3 mm



PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
06	M54	30	WZP 513/06/M54/Set-3
06	M54	50	WZP 513/06/M54/Set-5
06	M45	30	WZP 513/06/M45/Set-3
06	M45	50	WZP 513/06/M45/Set-5
09	M54	30	WZP 513/09/M54/Set-3
09	M54	50	WZP 513/09/M54/Set-5

PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
09	M45	30	WZP 513/09/M45/Set-3
09	M45	50	WZP 513/09/M45/Set-5
12	M54	30	WZP 513/12/M54/Set-3
12	M54	50	WZP 513/12/M54/Set-5
12	M45	30	WZP 513/12/M45/Set-3
12	M45	50	WZP 513/12/M45/Set-5


1) PG: plate size


2) PS: plate type

### PRODUCT DESCRIPTION

- » For centre and circumference cutting
- » Specifically for the materials used in die and mould making
- » Maximum feed rates
- » Stable geometry
- » Maximum metal removal rate



PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
04	MU542	30	WZP 90/04/MU542/Set-3
04	MU542	50	WZP 90/04/MU542/Set-5
05	MU542	30	WZP 90/05/MU542/Set-3
05	MU542	50	WZP 90/05/MU542/Set-5
06	MU542	30	WZP 90/06/MU542/Set-3
06	MU542	50	WZP 90/06/MU542/Set-5
07	MU542	30	WZP 90/07/MU542/Set-3
07	MU542	50	WZP 90/07/MU542/Set-5
08	MU542	30	WZP 90/08/MU542/Set-3
08	MU542	50	WZP 90/08/MU542/Set-5
09	MU542	30	WZP 90/09/MU542/Set-3

PG <sup>1)</sup>	PS <sup>2)</sup>	 Pcs. / PU	No.
09	MU542	50	WZP 90/09/MU542/Set-5
10	MU542	30	WZP 90/10/MU542/Set-3
10	MU542	50	WZP 90/10/MU542/Set-5
12	MU542	30	WZP 90/12/MU542/Set-3
12	MU542	50	WZP 90/12/MU542/Set-5
13	MU542	30	WZP 90/13/MU542/Set-3
13	MU542	50	WZP 90/13/MU542/Set-5
15	MU542	30	WZP 90/15/MU542/Set-3
15	MU542	50	WZP 90/15/MU542/Set-5
17	MU542	30	WZP 90/17/MU542/Set-3
17	MU542	50	WZP 90/17/MU542/Set-5

1) PG: plate size

2) PS: plate type