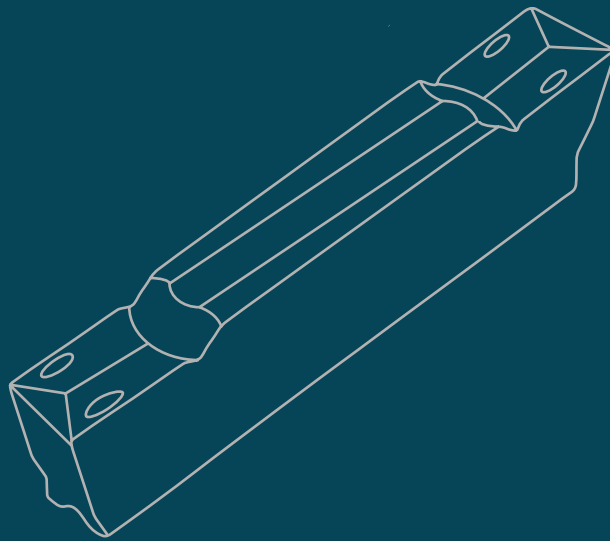


# GROOVING / carbide

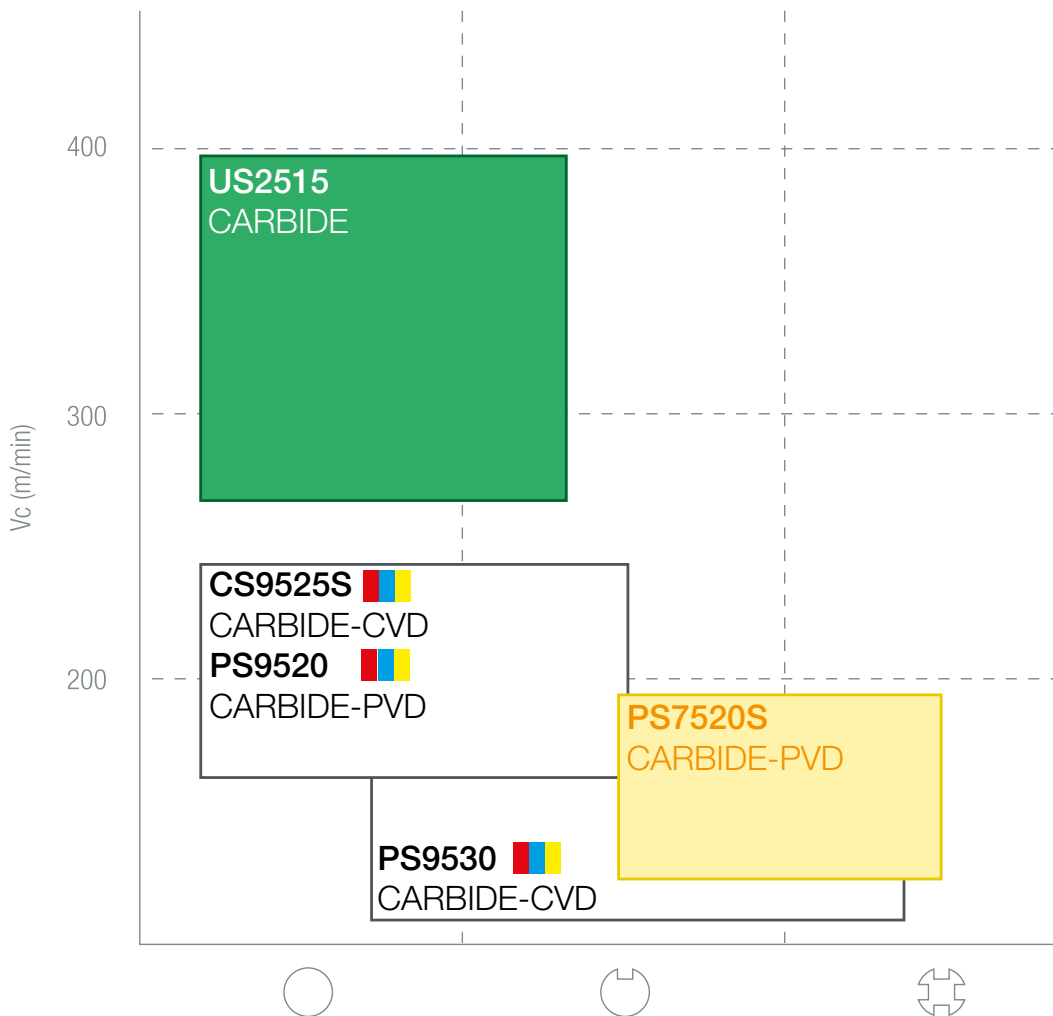


	Grades																			
	K					P					M					N				
	ISO DIN 513																			
	K					P					M					N				
	K01	K10	K20	K30	K40	P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	N01	N10	N20	N30	N40
CARBIDE CVD	CS9525S					CS9525S					CS9525S									
CARBIDE PVD	PS9530					PS9530					PS9530									
	PS9520					PS9520					PS9520									
											PS7520S									
CARBIDE UNCOATED																US2515				

## GROOVING

Range ISO **P** **M** **K**

### Grades



TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

DRILLS

SPARE PARTS

INDEX

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

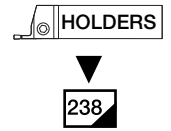
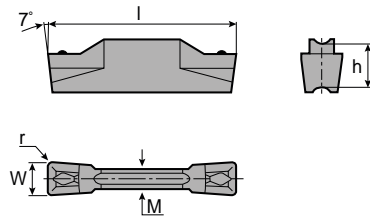
DRILLS

SPARE PARTS

INDEX

# MAGC

PARTING & GROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

MAGC200

MAGC250

MAGC300

MAGC400

MAGC500

MAGC600

2.0

0.2

16.0

1.2

3.5

-

●

●

●

●

2.5

0.2

18.5

2.0

3.85

-

●

●

●

●

3.0

0.4

21.0

2.35

4.8

-

●

●

●

●

4.0

0.4

21.0

3.3

4.8

-

●

●

●

●

5.0

0.8

26.0

4.1

5.8

-

●

●

●

●

6.0

0.8

26.0

5.0

5.8

-

●

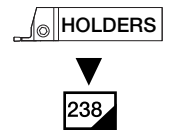
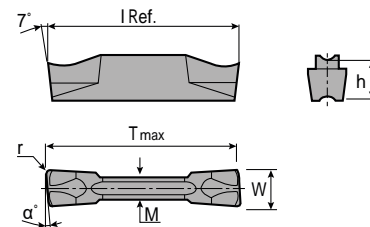
●

●

●

# MAGD

PARTING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

MAGD200J-15D

MAGD300J-15D

2.0

0.2

16.0

1.2

3.5

15

●

●

●

●

3.0

0.4

21.0

2.35

4.8

15

●

●

●

●

Vc • fn

221

## GROOVING

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

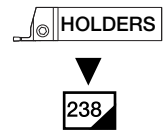
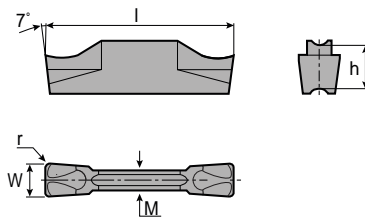
DRILLS

SPARE PARTS

INDEX

# MAGJ

PARTING & GROOVING



## DESCRIPTION

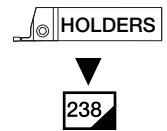
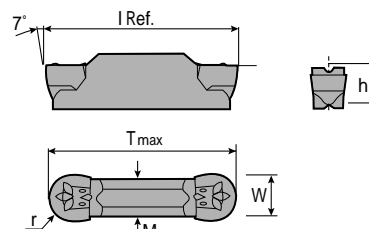
## DIMENSIONS

CARBIDE

	DESCRIPTION	DIMENSIONS						CARBIDE				
		W	r	l	M	h	$\alpha$	CS9525S	PS9530	PS9520	PS7520S	US2515
	MAGJ150	1.5	0.15	16.0	1.2	3.5	-	●	●	●	●	
	MAGJ200	2.0	0.2	16.0	1.2	3.5	-	●	●	●	●	
	MAGJ250	2.5	0.2	18.5	2.0	3.85	-	●	●	●	●	
	MAGJ300	3.0	0.4	21.0	2.35	4.8	-	●	●	●	●	
	MAGJ400	4.0	0.4	21.0	3.3	4.8	-	●	●	●	●	
	MAGJ500	5.0	0.8	26.0	4.1	5.8	-	●	●	●	●	
	MAGJ600	6.0	0.8	26.0	5.0	5.8	-	●	●	●	●	

# MAGR

PROFILING



## DESCRIPTION

## DIMENSIONS

CARBIDE

	DESCRIPTION	DIMENSIONS						CARBIDE				
		W	r	l	M	h	$\alpha$	CS9525S	PS9530	PS9520	PS7520S	US2515
	MAGR200	2.0	1.0	16.0	1.5	3.5	-	●	●	●	●	
	MAGR300	3.0	1.5	21.0	2.35	4.8	-	●	●	●	●	
	MAGR400	4.0	2.0	21.0	3.3	4.8	-	●	●	●	●	
	MAGR500	5.0	2.5	26.0	4.1	5.8	-	●	●	●	●	

Vc • fn 221

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

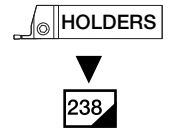
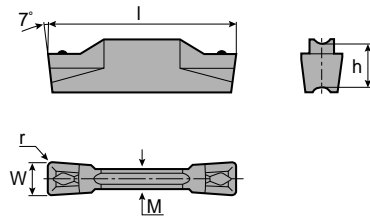
DRILLS

SPARE PARTS

INDEX

# MAGN

PARTING & GROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

MAGN200MA

2.0

0.2

16.0

1.2

3.5

-

MAGN300MA

3.0

0.4

21.0

2.35

4.8

-

MAGN200WA

2.0

0.2

16.0

1.2

3.5

-

MAGN300WA

3.0

0.4

21.0

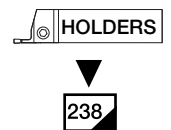
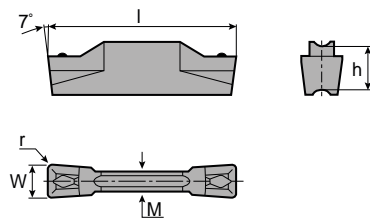
2.35

4.8

-

# MAGS

PARTING & GROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

MAGS200

2.0

0.2

16.0

1.2

3.5

-

MAGS250

2.5

0.2

18.5

2.0

3.85

-

MAGS300

3.0

0.4

21.0

2.35

4.8

-

MAGS400

4.0

0.4

21.0

3.3

4.8

-

MAGS500

5.0

0.8

26.0

4.1

5.8

-

MAGS600

6.0

0.8

26.0

5.0

5.8

-

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## GROOVING

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

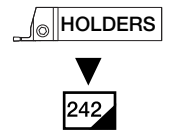
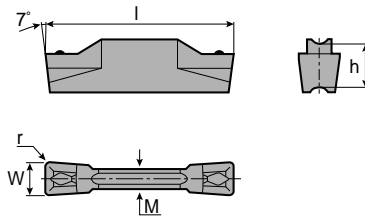
DRILLS

SPARE PARTS

INDEX

# SAGC

PARTING & GROOVING



## DESCRIPTION

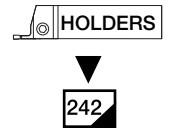
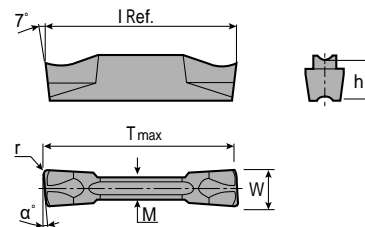
## DIMENSIONS

CARBIDE

	DESCRIPTION	W	r	l	M	h	$\alpha$	CARBIDE				
								CS9525S	PS9530	PS9520	PS7520S	US2515
	SAGC200-02	2.0	0.2	20.0	1.70	4.70	-	●	●	●	●	
	SAGC300-02	3.0	0.2	20.0	2.40	4.70	-	●	●	●	●	
	SAGC400-03	4.0	0.3	20.0	3.0	4.70	-	●	●	●	●	
	SAGC500-03	5.0	0.3	25.0	4.0	5.20	-	●	●	●	●	

# SAGD

PARTING



## DESCRIPTION

## DIMENSIONS

CARBIDE

	DESCRIPTION	W	r	l	M	h	$\alpha$	CARBIDE				
								CS9525S	PS9530	PS9520	PS7520S	US2515
	SAGD200J-15D	2.0	0.2	20.0	1.70	4.70	15	●	●	●	●	
	SAGD200J-6D	2.0	0.2	20.0	1.70	4.70	6	●	●	●	●	
	SAGD300J-15D	3.0	0.2	20.0	2.40	4.70	15	●	●	●	●	
	SAGD300J-6D	3.0	0.2	20.0	2.40	4.70	15	●	●	●	●	
	SAGD400J-6D	4.0	0.3	20.0	3.0	4.70	6	●	●	●	●	
	SAGD400J-4D	4.0	0.3	20.0	3.0	4.70	4	●	●	●	●	
	SAGD500J-4D	5.0	0.3	25.0	4.0	5.20	4	●	●	●	●	

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TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

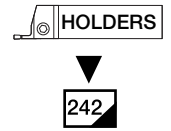
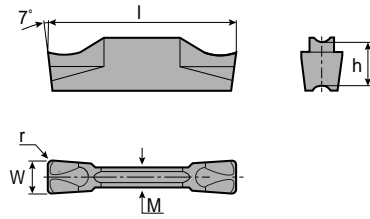
DRILLS

SPARE PARTS

INDEX

# SAGJ

PARTING &amp; GROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

SAGJ200-02

2.0

0.2

20.0

1.70

4.70

-

●

●

●

●

SAGJ300-02

3.0

0.2

20.0

2.40

4.70

-

●

●

●

●

SAGJ400-03

4.0

0.3

20.0

3.0

4.70

-

●

●

●

●

SAGJ500-03

5.0

0.3

25.0

4.0

5.20

-

●

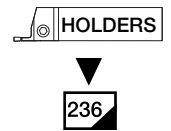
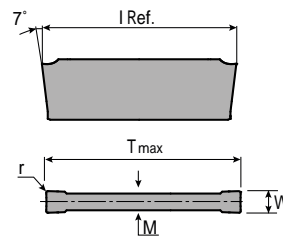
●

●

●

# SDGN

PARTING &amp; GROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

SDGN2002Z

2.0

0.2

21.0

1.7

6.0

-

●

●

●

●

SDGN2202J

2.2

0.2

19.8

1.9

6.0

-

●

●

●

●

SDGN3002Z

3.0

0.2

21.0

2.4

6.1

-

●

●

●

●

SDGN3102C

3.1

0.2

20.1

2.4

6.1

-

●

●

●

●

Vc • fn



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## GROOVING

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

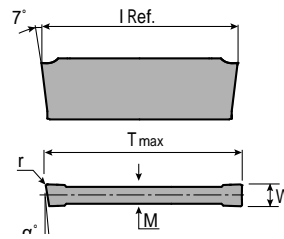
DRILLS

SPARE PARTS

INDEX

# SDGR

PARTING



HOLDERS

236

## DESCRIPTION

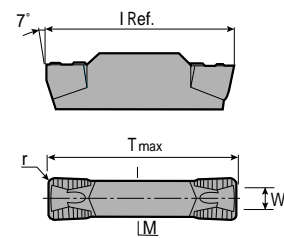
## DIMENSIONS

CARBIDE

	DESCRIPTION	DIMENSIONS						CARBIDE				
		W	r	l	M	h	$\alpha$	CS9525S	PS9530	PS9520	PS7520S	US2515
	SDGR2200JS-6D	2.2	0.2	19.8	1.9	6.0	6	●	●	●	●	
	SDGR2200JS-15D	2.2	0.2	19.8	1.9	6.0	15	●	●	●	●	

# SGRIP

PARTING &amp; GROOVING



HOLDERS

236

## DESCRIPTION

## DIMENSIONS

CARBIDE

	DESCRIPTION	DIMENSIONS						CARBIDE				
		W	r	l	M	h	$\alpha$	CS9525S	PS9530	PS9520	PS7520S	US2515
	SGRIP300-M	3.0	0.2	16.0	2.3	4.4	-	●	●	●	●	
	SGRIP400-M	4.0	0.4	19.0	2.8	4.9	-	●	●	●	●	
	SGRIP500-M	5.0	0.5	19.0	3.4	5.4	-	●	●	●	●	

Vc • fn



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TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

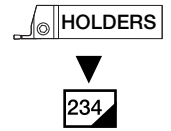
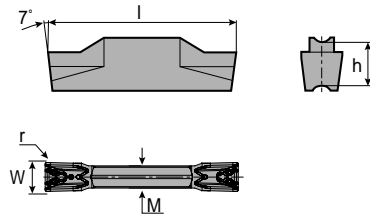
DRILLS

SPARE PARTS

INDEX

# SGDM

PARTING & GROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

SGDM200

2.00

0.2

20

1.5

4.3

-

●

●

●

●

SGDM300

3.00

0.3

20

2.3

4.3

-

●

●

●

●

SGDM400

4.00

0.3

20

3.3

4.3

-

●

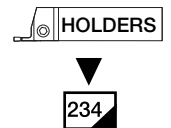
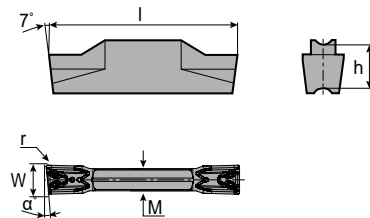
●

●

●

# SGDD

PARTING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

r

l

M

h

 $\alpha$ 

SGDD200-15D

2.00

0.2

20

1.5

4.3

15

●

●

●

●

SGDD300-15D

3.00

0.3

20

2.3

4.3

15

●

●

●

●

Vc • fn

221

## GROOVING

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

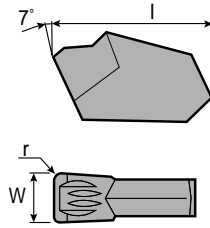
DRILLS

SPARE PARTS

INDEX

# SSP


## PARTING



### DESCRIPTION

### DIMENSIONS

### CARBIDE

	DESCRIPTION	DIMENSIONS						CARBIDE				
		W	r	l	M	h	$\alpha$	CS9525S	PS9530	PS9520	PS7520S	US2515
	SSP200	2.2	9.3	0.2	-	-	-	●	●	●	●	
	SSP300	3.1	3.2	3.3	-	-	-	●	●	●	●	
	SSP400	4.1	11.3	0.25	-	-	-	●	●	●	●	
	SSP500	5.1	11.4	0.3	-	-	-	●	●	●	●	
	SSP600	6.4	11.4	0.35	-	-	-	●	●	●	●	

Vc • fn  221

TURNING

GROOVING

THREADING

MILLING

DRILLING

ENDMILLS

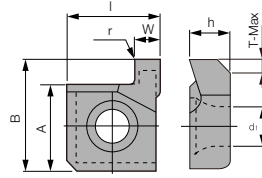
DRILLS

SPARE PARTS

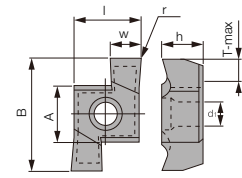
INDEX

# GR

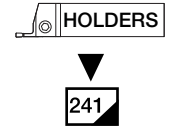
## INTERNAL GROOVING



6GR 7GR



8GR 9GR



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

A

B

h

d1

l

r

Tmax



6GR-100

1.00

4.76

6.44

2.34

2.30

5.56

0.2

1.5

6GR-150

1.50

4.76

6.44

2.34

2.30

5.56

0.2

1.5

6GR-200

2.00

4.76

6.44

2.34

2.30

5.56

0.2

1.5



7GR-100

1.00

5.56

7.36

3.08

2.58

5.56

0.2

1.5

7GR-150

1.50

5.56

7.36

3.08

2.58

5.56

0.2

1.5

7GR-200

2.00

5.56

7.36

3.08

2.58

5.56

0.2

1.5



8GR-150

1.50

5.56

10.16

3.87

2.58

6.15

0.2

1.5

8GR-200

2.00

5.56

10.16

3.87

2.58

6.15

0.2

1.5

8GR-250

2.50

5.56

10.16

3.87

2.58

6.15

0.2

1.5

8GR-300

3.00

5.56

10.16

3.87

2.58

6.15

0.2

1.5

8GR-350

3.50

5.56

10.16

3.87

2.58

6.15

0.2

1.5



9GR-100

1.00

6.35

12.95

4.66

2.86

7.74

0.2

1.5

9GR-150

1.50

6.35

12.95

4.66

2.86

7.74

0.2

1.5

9GR-200

2.00

6.35

12.95

4.66

2.86

7.74

0.2

1.5

9GR-250

2.50

6.35

12.95

4.66

2.86

7.74

0.2

1.5

9GR-300

3.00

6.35

12.95

4.66

2.86

7.74

0.2

1.5

9GR-350

3.50

6.35

12.95

4.66

2.86

7.74

0.2

1.5

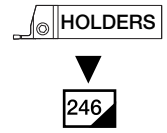
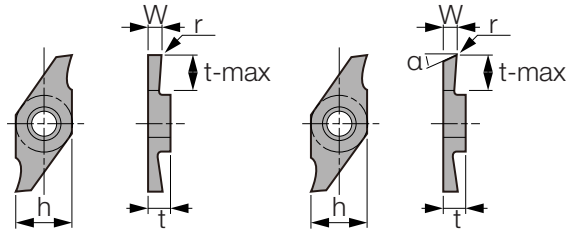
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## GROOVING

# SKFC

FINE TOOL



TURNING

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DESCRIPTION		DIMENSIONS						CARBIDE				
		W	r	h	t	t-max	$\alpha$	CS9525S	PS9530	PS9520	PS7520S	US2515
	SKFC12R-050-N	0.50	0.03	8.7	3.0	2.5	-			●		
	SKFC12R-070-N	0.70	0.03	8.7	3.0	4.0	-			●		
	SKFC12R-100-N	1.00	0.03	8.7	3.0	6.0	-			●		
	SKFC12R-125-N	1.25	0.03	8.7	3.0	6.0	-			●		
	SKFC12R-150-N	1.50	0.03	8.7	3.0	6.0	-			●		
	SKFC12R-200-N	2.00	0.03	8.7	3.0	6.0	-			●		
	SKFC12L-050-N	0.50	0.03	8.7	3.0	2.5	-			●		
	SKFC12L-070-N	0.70	0.03	8.7	3.0	4.0	-			●		
	SKFC12L-100-N	1.00	0.03	8.7	3.0	6.0	-			●		
	SKFC12L-125-N	1.25	0.03	8.7	3.0	6.0	-			●		
	SKFC12L-150-N	1.50	0.03	8.7	3.0	6.0	-			●		
	SKFC12L-200-N	2.00	0.03	8.7	3.0	6.0	-			●		
	SKFC16L-150-N	1.50	0.03	9.5	4.0	8.0	-			●		
	SKFC16L-200-N	2.00	0.03	9.5	4.0	8.0	-			●		
	SKFC16R-150-N	1.50	0.03	9.5	4.0	8.0	-			●		
	SKFC16R-200-N	2.00	0.03	9.5	4.0	8.0	-			●		
	SKFC12L-100-S-20D	1.00	-	8.7	3.0	6.0	20			●		
	SKFC12R-100-S-20D	1.00	-	8.7	3.0	6.0	20			●		
	SKFC16L-150-S-20D	1.50	-	9.5	4.0	8.0	20			●		
	SKFC16R-150-S-20D	1.50	-	9.5	4.0	8.0	20			●		
	SKFC16L-200-S-20D	2.00	-	9.5	4.0	8.0	20			●		
	SKFC16R-200-S-20D	2.00	-	9.5	4.0	8.0	20			●		

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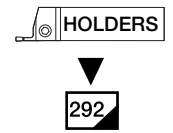
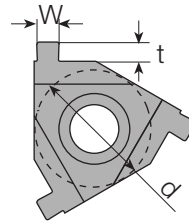
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# 16ER

### EXTERNAL GROOVING



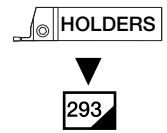
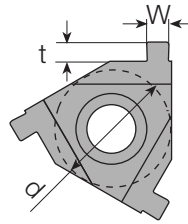
DESCRIPTION		DIMENSIONS				CARBIDE				
		d	l	W	T	CS9525S	PS9530	PS9520	PS7520S	US2515
	11ER-W0.50-T0.70	6.35	11	0.50	0.70			●		
	11ER-W0.60-T0.70	6.35	11	0.60	0.70			●		
	11ER-W0.80-T0.70	6.35	11	0.80	0.70			●		
	11ER-W1.00-T0.70	6.35	11	1.00	0.70			●		
	11ER-W1.20-T1.50	6.35	11	1.20	1.50			●		
	11ER-W1.40-T1.50	6.35	11	1.40	1.50			●		
	11ER-W1.50-T1.50	6.35	11	1.50	1.50			●		
	11ER-W1.80-T1.80	6.35	11	1.80	1.80			●		
	16ER-W0.33-T1.30	9.525	16	0.33	1.30			●		
	16ER-W0.50-T1.30	9.525	16	0.50	1.30			●		
	16ER-W0.75-T1.30	9.525	16	0.75	1.30			●		
	16ER-W0.80-T1.30	9.525	16	0.80	1.30			●		
	16ER-W1.00-T1.30	9.525	16	1.00	1.30			●		
	16ER-W1.10-T1.30	9.525	16	1.10	1.30			●		
	16ER-W1.20-T1.60	9.525	16	1.20	1.60			●		
	16ER-W1.30-T1.60	9.525	16	1.30	1.60			●		
	16ER-W1.40-T1.60	9.525	16	1.40	1.60			●		
	16ER-W1.50-T1.60	9.525	16	1.50	1.60			●		
	16ER-W1.60-T1.60	9.525	16	1.60	1.60			●		
	16ER-W1.70-T1.85	9.525	16	1.70	1.85			●		
	16ER-W1.80-T1.85	9.525	16	1.80	1.85			●		
	16ER-W1.85-T1.85	9.525	16	1.85	1.85			●		
	16ER-W2.00-T1.85	9.525	16	2.00	1.85			●		
	16ER-W2.15-T2.00	9.525	16	2.15	2.00			●		
16ER-W2.30-T2.00	9.525	16	2.30	2.00			●			
16ER-W2.40-T2.20	9.525	16	2.40	2.20			●			
16ER-W2.65-T2.20	9.525	16	2.65	2.20			●			

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## GROOVING

# IR

### INTERNAL GROOVING



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DESCRIPTION		DIMENSIONS				CARBIDE				
						CS9525S	PS9530	PS9520	PS7520S	US2515
		d	l	W	T					
	11IR-W0.50-T0.70	6.35	11	0.50	0.70			●		
	11IR-W0.60-T0.70	6.35	11	0.60	0.70			●		
	11IR-W0.80-T0.70	6.35	11	0.80	0.70			●		
	11IR-W1.00-T0.70	6.35	11	1.00	0.70			●		
	11IR-W1.20-T1.50	6.35	11	1.20	1.50			●		
	11IR-W1.40-T1.50	6.35	11	1.40	1.50			●		
	11IR-W1.50-T1.50	6.35	11	1.50	1.50			●		
	11IR-W1.80-T1.80	6.35	11	1.80	1.80			●		
	11IR-W2.20-T1.80	6.35	11	2.20	1.80			●		
	16IR-W0.33-T1.20	9.525	16	0.33	1.20			●		
	16IR-W0.50-T1.20	9.525	16	0.50	1.20			●		
	16IR-W0.75-T1.20	9.525	16	0.75	1.20			●		
	16IR-W0.80-T1.20	9.525	16	0.80	1.20			●		
	16IR-W1.00-T1.30	9.525	16	1.00	1.30			●		
	16IR-W1.10-T1.30	9.525	16	1.10	1.30			●		
	16IR-W1.20-T1.60	9.525	16	1.20	1.60			●		
	16IR-W1.30-T1.60	9.525	16	1.30	1.60			●		
	16IR-W1.40-T1.60	9.525	16	1.40	1.60			●		
	16IR-W1.50-T1.60	9.525	16	1.50	1.60			●		
	16IR-W1.60-T1.60	9.525	16	1.60	1.60			●		
	16IR-W1.70-T1.85	9.525	16	1.70	1.85			●		
	16IR-W1.80-T1.85	9.525	16	1.80	1.85			●		
	16IR-W1.85-T1.85	9.525	16	1.85	1.85			●		
	16IR-W2.00-T1.85	9.525	16	2.00	1.85			●		
	16IR-W2.15-T2.00	9.525	16	2.15	2.00			●		
	16IR-W2.30-T2.00	9.525	16	2.30	2.00			●		
	16IR-W2.50-T2.00	9.525	16	2.50	2.00			●		
16IR-W2.65-T2.20	9.525	16	2.65	2.20			●			

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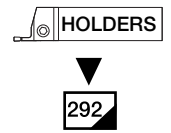
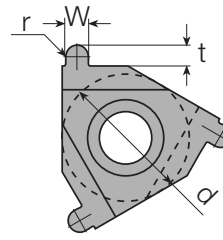
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# 16ER

### EXTERNAL ROUNDGROOVING



DESCRIPTION

DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

d

l

W

R

T



16ER-W0.80-T0.60-R0.40

9.525

16

0.80

0.40

0.60

16ER-W1.00-T1.40-R0.50

9.525

16

1.00

0.50

1.40

16ER-W1.20-T0.80-R0.60

9.525

16

1.20

0.60

0.80

16ER-W1.20-T1.60-R0.60

9.525

16

1.20

0.60

1.60

16ER-W1.80-T1.10-R0.90

9.525

16

1.80

0.90

1.10

16ER-W1.80-T2.00-R0.90

9.525

16

1.80

0.90

2.00

16ER-W2.00-T1.20-R1.00

9.525

16

2.00

1.00

1.20

16ER-W2.00-T2.15-R1.00

9.525

16

2.00

1.00

2.15

16ER-W2.20-T2.15-R1.10

9.525

16

2.20

1.10

2.15

16ER-W2.40-T2.25-R1.20

9.525

16

2.40

1.20

2.25

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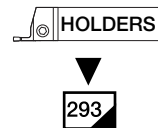
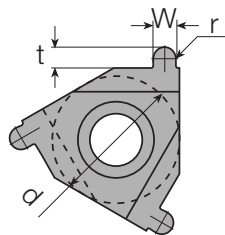
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## GROOVING

# IR

### INTERNAL ROUND GROOVING



- TURNING
- GROOVING
- THREADING
- MILLING
- DRILLING
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- DRILLS
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DESCRIPTION		DIMENSIONS					CARBIDE				
							CS9525S	PS9530	PS9520	PS7520S	US2515
		d	l	W	R	T					
	16IR-W1.00-T1.40-R0.50	9.525	16	1.00	0.50	1.40			●		
	16IR-W1.20-T0.80-R0.60	9.525	16	1.20	0.60	0.80			●		
	16IR-W1.20-T1.60-R0.60	9.525	16	1.20	0.60	1.60			●		
	16IR-W1.80-T1.10-R0.90	9.525	16	1.80	0.90	1.10			●		
	16IR-W1.80-T2.00-R0.90	9.525	16	1.80	0.90	2.00			●		
	16IR-W2.00-T2.00-R1.00	9.525	16	2.00	1.00	2.00			●		
	16IR-W2.00-T2.15-R1.00	9.525	16	2.00	1.00	2.15			●		
	16IR-W2.20-T2.15-R1.10	9.525	16	2.20	1.10	2.15			●		
	16IR-W2.40-T2.25-R1.20	9.525	16	2.40	1.20	2.25			●		

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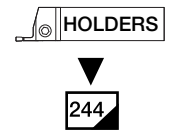
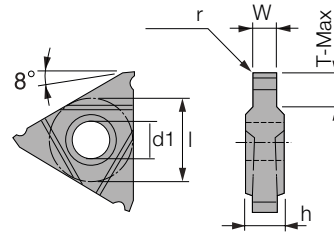
DRILLS

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# STGF

## EXTERNAL GROOVING



### DESCRIPTION

### DIMENSIONS

CARBIDE

CS9525S

PS9530

PS9520

PS7520S

US2515

W

T-max

r

l

d1

h



STGF32R-050	0.50	1.00	0.05	9.525	3.18	4.4			●		
STGF32R-100	1.00	2.00	0.05	9.525	3.18	4.4			●		
STGF32R-110	1.10	2.00	0.05	9.525	3.18	4.4			●		
STGF32R-120	1.20	2.00	0.05	9.525	3.18	4.4			●		
STGF32R-125	1.25	2.00	0.20	9.525	3.18	4.4			●		
STGF32R-145	1.45	2.00	0.20	9.525	3.18	4.4			●		
STGF32R-150	1.50	2.00	0.20	9.525	3.18	4.4			●		
STGF32R-175	1.75	2.00	0.20	9.525	3.18	4.4			●		
STGF32R-185	1.85	2.50	0.20	9.525	3.18	4.4			●		
STGF32R-200	2.00	2.50	0.20	9.525	3.18	4.4			●		
STGF32R-250	2.50	2.50	0.20	9.525	3.18	4.4			●		
STGF32R-300	3.00	3.00	0.20	9.525	3.18	4.4			●		

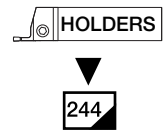
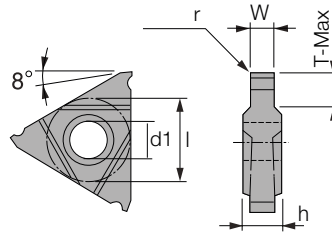
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# STGF

EXTERNAL GROOVING



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### DESCRIPTION

### DIMENSIONS

CARBIDE

	DESCRIPTION	DIMENSIONS						CARBIDE				
		W	T-max	r	l	d1	h	CS9525S	PS9530	PS9520	PS7520S	US2515
	STGF43R-125	1.25	2.00	0.20	12.7	4.76	5.5			●		
	STGF43R-145	1.45	2.00	0.20	12.7	4.76	5.5			●		
	STGF43R-150	1.50	3.50	0.20	12.7	4.76	5.5			●		
	STGF43R-175	1.75	3.50	0.20	12.7	4.76	5.5			●		
	STGF43R-185	1.85	3.50	0.20	12.7	4.76	5.5			●		
	STGF43R-200	2.00	3.50	0.20	12.7	4.76	5.5			●		
	STGF43R-230	2.30	3.50	0.20	12.7	4.76	5.5			●		
	STGF43R-250	2.50	4.00	0.30	12.7	4.76	5.5			●		
	STGF43R-265	2.65	4.00	0.30	12.7	4.76	5.5			●		
	STGF43R-280	2.80	4.00	0.30	12.7	4.76	5.5			●		
	STGF43R-300	3.00	4.00	0.30	12.7	4.76	5.5			●		
	STGF43R-320	3.20	4.00	0.30	12.7	4.76	5.5			●		
	STGF43R-330	3.30	4.00	0.30	12.7	4.76	5.5			●		
	STGF43R-350	3.50	5.00	0.30	12.7	4.76	5.5			●		
	STGF43R-400	4.00	5.00	0.40	12.7	4.76	5.5			●		
	STGF43R-430	4.30	5.00	0.40	12.7	4.76	5.5			●		
	STGF43R-450	4.50	5.00	0.40	12.7	4.76	5.5			●		
STGF43R-480	4.80	5.00	0.40	12.7	4.76	5.5			●			

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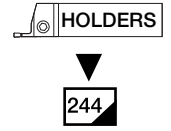
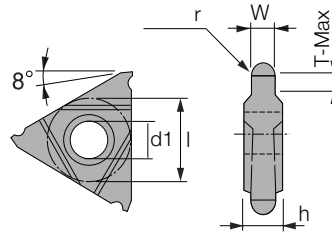
DRILLS

SPARE PARTS

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# STGR

## EXTERNAL ROUND GROOVING



DESCRIPTION		DIMENSIONS						CARBIDE				
		W	T-max	r	l	d1	h	CS9525S	PS9530	PS9520	PS7520S	US2515
	STGR32-200R	2.00	2.50	1.00	9.525	3.18	4.4			●		
	STGR32-300R	3.00	2.50	1.50	9.525	3.18	4.4			●		
	STGR43-100R	1.00	2.00	0.50	12.7	4.76	5.5			●		
	STGR43-150R	1.50	3.50	0.75	12.7	4.76	5.5			●		
	STGR43-200R	2.00	3.50	1.00	12.7	4.76	5.5			●		
	STGR43-250R	2.50	4.00	1.25	12.7	4.76	5.5			●		
	STGR43-300R	3.00	4.00	1.50	12.7	4.76	5.5			●		
	STGR43-400R	4.00	5.00	2.00	12.7	4.76	5.5			●		

## GROOVING

### Cutting Parameters Vc(m/min)

<b>KG</b>	GREY CAST IRON
<b>KN</b>	NODULAR CAST IRON
<b>PL</b>	LOW CARBON AND FREE CUTTING STEEL
<b>PM</b>	MEDIUM CARBON STEEL
<b>PH</b>	HIGH CARBON STEEL
<b>PA</b>	ALLOY STEEL

<b>MM</b>	MARTENSITIC AND FERRITIC STAINLESS STEEL
<b>MA</b>	AUSTENITIC STAINLESS STEEL
<b>NA</b>	ALUMINIUM ALLOYS
<b>NH</b>	ALUMINIUM ALLOYS AGED AND HARDENED
<b>NB</b>	BRASS
<b>NC</b>	BRONZE AND ELECTROLYTIC COPPER

MATERIAL		CARBIDE-CVD	CARBIDE-PVD			CARBIDE
		CS9525S	PS9530	PS9520	PS7520S	US2515
<b>K</b>	<b>KG</b>	250~450	200~360	200~360		
	<b>KN</b>	180~300	150~280	150~280		
<b>P</b>	<b>PL</b>	250~350	200~320	200~320		
	<b>PM</b>	220~300	180~260	180~260		
	<b>PH</b>	200~280	160~250	160~250		
	<b>PA</b>	180~250	150~220	150~220		
<b>M</b>	<b>MM</b>	160~260	160~260	160~260	160~260	
	<b>MA</b>	140~220	140~220	140~220	140~220	
<b>N</b>	<b>NA</b>					600~1500
	<b>NH</b>					300~700
	<b>NB</b>					250~400
	<b>NC</b>					150~250

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TURNING

### Cutting Parameters $f_n$ (mm/rev)

<b>KG</b>	GREY CAST IRON
<b>KN</b>	NODULAR CAST IRON
<b>PL</b>	LOW CARBON AND FREE CUTTING STEEL
<b>PM</b>	MEDIUM CARBON STEEL
<b>PH</b>	HIGH CARBON STEEL
<b>PA</b>	ALLOY STEEL

<b>MM</b>	MARTENSITIC AND FERRITIC STAINLESS STEEL
<b>MA</b>	AUSTENITIC STAINLESS STEEL
<b>NA</b>	ALUMINIUM ALLOYS
<b>NH</b>	ALUMINIUM ALLOYS AGED AND HARDENED
<b>NB</b>	BRASS
<b>NC</b>	BRONZE AND ELECTROLYTIC COPPER

THREADING

### Parting-off

MATERIAL		CUTTING WIDTH				
		2 mm	3 mm	4 mm	5 mm	6 mm
<b>K</b>	<b>KG</b>	0.05-0.12	0.10-0.25	0.10-0.30	0.10-0.35	0.10-0.40
	<b>KN</b>	0.05-0.10	0.10-0.20	0.10-0.25	0.10-0.30	0.10-0.35
<b>P</b>	<b>PL</b>	0.02-0.15	0.03-0.20	0.08-0.30	0.10-0.40	0.12-0.50
	<b>PM</b>	0.02-0.15	0.03-0.20	0.08-0.30	0.10-0.40	0.12-0.50
	<b>PH</b>	0.02-0.15	0.03-0.20	0.08-0.30	0.10-0.40	0.12-0.50
	<b>PA</b>	0.02-0.15	0.03-0.20	0.08-0.30	0.10-0.40	0.12-0.50
<b>M</b>	<b>MM</b>	0.02-0.10	0.03-0.15	0.08-0.25	0.10-0.35	0.12-0.40
	<b>MA</b>	0.02-0.08	0.03-0.13	0.08-0.20	0.10-0.30	0.12-0.35
<b>N</b>	<b>NA</b>	0.05-0.10	0.05-0.20	0.05-0.25	0.05-0.30	0.05-0.35
	<b>NH</b>	0.05-0.10	0.05-0.20	0.05-0.25	0.05-0.30	0.05-0.35
	<b>NB</b>	0.05-0.10	0.05-0.20	0.05-0.25	0.05-0.30	0.05-0.35
	<b>NC</b>	0.05-0.10	0.05-0.20	0.05-0.25	0.05-0.30	0.05-0.35

### Facing

MATERIAL		CUTTING WIDTH		
		3 mm	4 mm	5 mm
<b>K</b>	<b>KG</b>	0.05-0.10	0.05-0.12	0.05-0.15
	<b>KN</b>	0.05-0.10	0.05-0.12	0.05-0.15
<b>P</b>	<b>PL</b>	0.05-0.10	0.05-0.12	0.05-0.15
	<b>PM</b>	0.05-0.10	0.05-0.12	0.05-0.15
	<b>PH</b>	0.05-0.10	0.05-0.12	0.05-0.15
	<b>PA</b>	0.05-0.10	0.05-0.12	0.05-0.15
<b>M</b>	<b>MM</b>	0.05-0.10	0.05-0.12	0.05-0.15
	<b>MA</b>	0.05-0.10	0.05-0.12	0.05-0.15
<b>N</b>	<b>NA</b>	0.05-0.15	0.08-0.15	0.08-0.15
	<b>NH</b>	0.05-0.15	0.08-0.15	0.08-0.15
	<b>NB</b>	0.05-0.15	0.08-0.15	0.08-0.15
	<b>NC</b>	0.05-0.15	0.08-0.15	0.08-0.15

MILLING

DRILLING

ENDMILLS

DRILLS

### Grooving, Groove Turning

MATERIAL		CUTTING WIDTH					
		0.5 ~ 1.0 mm	1.0 ~ 2.0 mm	2.0 ~ 3.0 mm	3.0 ~ 4.0 mm	4.0 ~ 5.0 mm	6.0 ~ 8.0 mm
<b>K</b>	<b>KG</b>	0.03-0.07	0.04-0.08	0.05-0.08	0.05-0.10	0.05-0.10	0.05-0.12
	<b>KN</b>	0.03-0.07	0.04-0.08	0.05-0.08	0.05-0.10	0.05-0.10	0.05-0.12
<b>P</b>	<b>PL</b>	0.03-0.08	0.04-0.09	0.05-0.10	0.05-0.12	0.05-0.15	0.05-0.20
	<b>PM</b>	0.03-0.08	0.04-0.09	0.05-0.10	0.05-0.12	0.05-0.15	0.05-0.20
	<b>PH</b>	0.03-0.07	0.04-0.08	0.05-0.08	0.05-0.10	0.05-0.12	0.05-0.15
	<b>PA</b>	0.03-0.07	0.04-0.08	0.05-0.08	0.05-0.10	0.05-0.12	0.05-0.15
<b>M</b>	<b>MM</b>	0.03-0.08	0.04-0.09	0.05-0.10	0.05-0.12	0.05-0.12	0.05-0.15
	<b>MA</b>	0.03-0.08	0.04-0.09	0.05-0.10	0.05-0.12	0.05-0.12	0.05-0.15
<b>N</b>	<b>NA</b>	0.05-0.12	0.05-0.15	0.05-0.15	0.08-0.15	0.08-0.15	0.10-0.20
	<b>NH</b>	0.05-0.12	0.05-0.15	0.05-0.15	0.08-0.15	0.08-0.15	0.10-0.20
	<b>NB</b>	0.05-0.12	0.05-0.15	0.05-0.15	0.08-0.15	0.08-0.15	0.10-0.20
	<b>NC</b>	0.05-0.12	0.05-0.15	0.05-0.15	0.08-0.15	0.08-0.15	0.10-0.20

SPARE PARTS

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