

schreurs. Nichts als Perfektion.

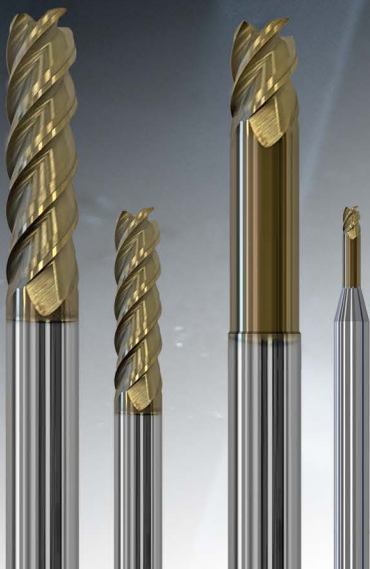
# Performance Line HPC Schaft- & Torus- fräser bis 55 HRC

**NEU IM PROGRAMM**

Allrounder für Schrupp- und Schlichtoperationen

4-Schneider für hohes Zerspanvolumen

Ungleiche Teilung, innovative Beschichtung



**schreurs.**  
PRÄZISIONSWERKZEUGE

## HPC-Schaftfräser mit variabler Helix 35° / 38° und Schutzfase, Allrounder zum Schruppen und Schlichten

SPSS

h5

VARIABLE  
HELIX

45°  
PROTECTION  
CHAMFER

STC  
COATING

$\phi 6-12$   
-0.010/  
-0.025

$\phi 16-20$   
-0.015/  
-0.030

<700  
N/mm<sup>2</sup>

700-  
1100  
N/mm<sup>2</sup>

1100-  
1300  
N/mm<sup>2</sup>

30-45  
HRC

45-55  
HRC

INOX

AL

CU CuZn  
Gold PL

TI

Bestellnummer	d1	L1	L2	L	D	Z	€ / St.
SPSS-4060-210-STC	6,0	13,0	21,0	60	6	4	30,60
SPSS-4080-270-STC	8,0	19,0	27,0	60	8	4	43,60
SPSS-4100-320-STC	10,0	22,0	32,0	70	10	4	57,40
SPSS-4120-380-STC	12,0	26,0	38,0	80	12	4	67,50
SPSS-4160-450-STC	16,0	32,0	45,0	90	16	4	119,50
SPSS-4200-550-STC	20,0	38,0	55,0	110	20	4	179,20

## HPC-Schaftfräser mit ungleicher Teilung, Freilänge 5xD und Schneidlänge 1,5xD, Allrounder zum Schruppen und Schlichten

SPSN

h5

STC  
COATING

42° HELIX

UNEVEN  
PITCH

$\phi 1-5$   
15°  
SHANK  
ANGLE

$\phi 1-5$   
-0.000/  
-0.010

$\phi 6-20$   
-0.010/  
-0.025

<700  
N/mm<sup>2</sup>

700-  
1100  
N/mm<sup>2</sup>

1100-  
1300  
N/mm<sup>2</sup>

30-45  
HRC

45-55  
HRC

INOX

AL

CU CuZn  
Gold PL

TI

Bestellnummer	d1	L1	L2	L	D	Z	€ / St.
SPSN-4010-050-STC	1,0	1,5	5,0	50	4	4	27,20
SPSN-4015-080-STC	1,5	2,5	8,0	50	4	4	27,20
SPSN-4020-100-STC	2,0	3,0	10,0	50	4	4	28,00
SPSN-4025-120-STC	2,5	4,0	12,0	50	4	4	28,00
SPSN-4030-160-STC	3,0	4,5	16,0	60	6	4	31,50
SPSN-4040-200-STC	4,0	6,0	20,0	60	6	4	31,50
SPSN-4050-250-STC	5,0	7,5	25,0	65	6	4	33,50
SPSN-4060-300-STC	6,0	9,0	30,0	70	6	4	35,70
SPSN-4080-400-STC	8,0	12,0	40,0	80	8	4	45,40
SPSN-4100-500-STC	10,0	15,0	50,0	100	10	4	65,00
SPSN-4120-600-STC	12,0	18,0	60,0	110	12	4	80,40
SPSN-4160-800-STC	16,0	24,0	80,0	130	16	4	149,80
SPSN-4200-1000-STC	20,0	30,0	100,0	160	20	4	229,40

● ab Lager lieferbar    ● 1-2 Wochen für initiale Bevorratung, danach ab Lager lieferbar

# HPC-Schafffräser mit ungleicher Teilung und Schutzfäse, diverse Schneidlängen, Allrounder zum Schruppen und Schlichten

SPSL

h5

STC COATING

42° HELIX

UNEVEN PITCH

15° SHANK ANGLE

45° PROTECTION CHAMFER

$\phi 1.5$   
-0.010/-0.025

$\phi 6-12$   
-0.010/-0.025

$\phi 16-20$   
-0.015/-0.030

<700 N/mm<sup>2</sup>

700-1100 N/mm<sup>2</sup>

1100-1300 N/mm<sup>2</sup>

30-45 HRC

45-55 HRC

INOX

AL

CU CuZn Gold PL

TI

Bestellnummer	d1	L1	L	D	Z	€ / St.	
SPSL-4010-035-STC	1,0	3,5	50	4	4	26,70	🕒
SPSL-4010-050-STC		5,0				29,30	🕒
SPSL-4020-060-STC	2,0	6,0	50	4	4	26,00	🕒
SPSL-4020-080-STC		8,0				26,70	🕒
SPSL-4020-100-STC		10,0				29,30	🕒
SPSL-4025-080-STC	2,5	8,0	50	4	4	26,00	🕒
SPSL-4025-100-STC		10,0				29,30	🕒
SPSL-4025-120-STC		12,0				31,30	🕒
SPSL-4030-100-STC	3,0	10,0	60	6	4	27,60	🕒
SPSL-4030-120-STC		12,0				28,50	🕒
SPSL-4030-150-STC		15,0				31,60	🕒
SPSL-4040-120-STC	4,0	12,0	60	6	4	27,60	🕒
SPSL-4040-160-STC		16,0				28,50	🕒
SPSL-4040-200-STC		20,0				34,50	🕒
SPSL-4050-150-STC	5,0	15,0	60	6	4	28,30	🕒
SPSL-4050-200-STC		20,0				29,20	🕒
SPSL-4050-250-STC		25,0				34,50	🕒
SPSL-4060-180-STC	6,0	18,0	65	6	4	30,30	🕒
SPSL-4060-250-STC		25,0				33,10	🕒
SPSL-4060-300-STC		30,0				36,90	🕒
SPSL-4080-240-STC	8,0	24,0	70	8	4	46,50	🕒
SPSL-4080-300-STC		30,0				48,20	🕒
SPSL-4080-400-STC		40,0				55,40	🕒
SPSL-4100-300-STC	10,0	30,0	80	10	4	62,80	🕒
SPSL-4100-400-STC		40,0				65,80	🕒
SPSL-4100-500-STC		50,0				68,60	🕒
SPSL-4120-360-STC	12,0	36,0	90	12	4	73,70	🕒
SPSL-4120-500-STC		50,0				76,00	🕒
SPSL-4120-600-STC		60,0				79,70	🕒
SPSL-4160-500-STC	16,0	50,0	110	16	4	147,40	🕒
SPSL-4160-700-STC		70,0				169,00	🕒
SPSL-4160-900-STC		90,0				219,50	🕒
SPSL-4200-600-STC	20,0	60,0	120	20	4	189,50	🕒
SPSL-4200-800-STC		80,0				269,60	🕒
SPSL-4200-1000-STC		100,0				299,80	🕒

🕒 ab Lager lieferbar    🕒 1-2 Wochen für initiale Bevorratung, danach ab Lager lieferbar

# HPC-Torusfräser mit ungleicher Teilung, Freilänge 5xD und Schneidlänge 1,5xD, diverse Radien, Allrounder zum Schruppen und Schlichten

SPRN

h5

STC COATING

42° HELIX

UNEVEN PITCH

15° SWANK ANGLE

ER

±0.000/-0.010

±0.005/-0.015

±0.010/-0.020

R0.1-0.5  
ER ±0,005

R1-1.5  
ER ±0,010

R2-5  
ER ±0,015

<700 N/mm<sup>2</sup>

700-1100 N/mm<sup>2</sup>

1100-1300 N/mm<sup>2</sup>

30-45 HRC

45-55 HRC

INOX

AL

CU CuZn Gold PL

TI

Bestellnummer	d1	ER	L1	L2	L	D	Z	€ / St.	
SPRN-4010-R001-050-STC	1,0	0,1	1,5	5,0	60	4	4	<b>30,80</b>	●
SPRN-4020-R001-100-STC	2,0	0,1	3,0	10,0	60	4	4	<b>30,80</b>	○
SPRN-4020-R002-100-STC		0,2						<b>30,80</b>	●
SPRN-4030-R002-150-STC	3,0	0,2	4,5	15,0	65	6	4	<b>37,50</b>	●
SPRN-4030-R005-150-STC		0,5						<b>37,50</b>	○
SPRN-4040-R002-200-STC	4,0	0,2	6,0	20,0	70	6	4	<b>39,00</b>	●
SPRN-4040-R005-200-STC		0,5						<b>39,00</b>	●
SPRN-4040-R010-200-STC		1,0						<b>39,00</b>	○
SPRN-4050-R002-250-STC	5,0	0,2	7,5	25,0	70	6	4	<b>41,50</b>	○
SPRN-4050-R005-250-STC		0,5						<b>41,50</b>	●
SPRN-4050-R010-250-STC		1,0						<b>41,50</b>	○
SPRN-4060-R003-300-STC	6,0	0,3	9,0	30,0	70	6	4	<b>44,30</b>	●
SPRN-4060-R005-300-STC		0,5						<b>44,30</b>	●
SPRN-4060-R010-300-STC		1,0						<b>41,30</b>	○
SPRN-4060-R015-300-STC		1,5						<b>41,30</b>	●
SPRN-4080-R003-400-STC	8,0	0,3	12,0	40,0	80	8	4	<b>49,90</b>	○
SPRN-4080-R005-400-STC		0,5						<b>49,90</b>	●
SPRN-4080-R010-400-STC		1,0						<b>49,90</b>	●
SPRN-4080-R015-400-STC		1,5						<b>49,90</b>	○
SPRN-4080-R020-400-STC		2,0						<b>49,90</b>	●
SPRN-4100-R003-500-STC	10,0	0,3	15,0	50,0	100	10	4	<b>75,20</b>	●
SPRN-4100-R005-500-STC		0,5						<b>75,20</b>	●
SPRN-4100-R010-500-STC		1,0						<b>75,20</b>	●
SPRN-4100-R015-500-STC		1,5						<b>75,20</b>	○
SPRN-4100-R020-500-STC		2,0						<b>75,20</b>	●
SPRN-4120-R003-600-STC	12,0	0,3	18,0	60,0	110	12	4	<b>86,60</b>	○
SPRN-4120-R005-600-STC		0,5						<b>86,60</b>	●
SPRN-4120-R010-600-STC		1,0						<b>86,60</b>	●
SPRN-4120-R015-600-STC		1,5						<b>86,60</b>	○
SPRN-4120-R020-600-STC		2,0						<b>86,60</b>	●
SPRN-4120-R025-600-STC		2,5						<b>86,60</b>	○
SPRN-4120-R030-600-STC	3,0	<b>86,60</b>	○						

● ab Lager lieferbar    ○ 1-2 Wochen für initiale Bevorratung, danach ab Lager lieferbar

# SPRN HPC-Torusfräser mit ungleicher Teilung, Freilänge 5xD und Schneidlänge 1,5xD, diverse Radien, Allrounder zum Schruppen und Schlichten

SPRN

h5

STC COATING

42° HELIX

UNEVEN PITCH

15° SHANK ANGLE

ER

±0,000/-0,010

±0,005/-0,015

±0,010/-0,020

R0,1-0,5

R1-1,5

R2-5

<700 N/mm<sup>2</sup>

700-1100 N/mm<sup>2</sup>

1100-1300 N/mm<sup>2</sup>

30-45 HRC

45-55 HRC

INOX

AL

CU CuZn Gold PL

TI

ER ± 0,005

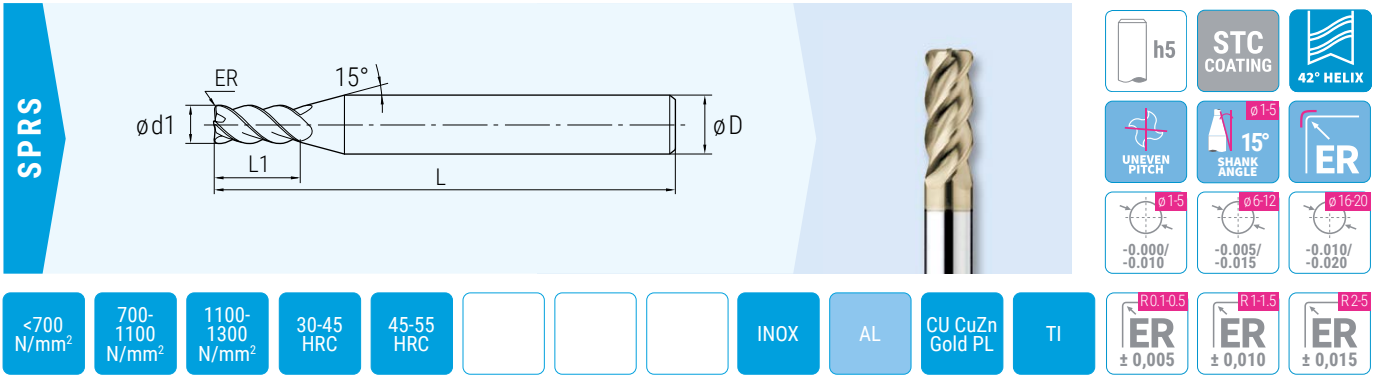
ER ± 0,010

ER ± 0,015

Bestellnummer	d1	ER	L1	L2	L	D	Z	€ / St.	
SPRN-4160-R005-800-STC	16,0	0,5	24,0	80,0	130	16	4	152,50	🕒
SPRN-4160-R010-800-STC		1,0						152,50	🕒
SPRN-4160-R015-800-STC		1,5						152,50	🕒
SPRN-4160-R020-800-STC		2,0						152,50	🕒
SPRN-4160-R030-800-STC		3,0						152,50	🕒
SPRN-4200-R005-1000-STC	20,0	0,5	30,0	100,0	150	20	4	238,50	🕒
SPRN-4200-R010-1000-STC		1,0						238,50	🕒
SPRN-4200-R015-1000-STC		1,5						238,50	🕒
SPRN-4200-R020-1000-STC		2,0						238,50	🕒
SPRN-4200-R030-1000-STC		3,0						238,50	🕒
SPRN-4200-R050-1000-STC		5,0						238,50	🕒

● ab Lager lieferbar    🕒 1-2 Wochen für initiale Bevorratung, danach ab Lager lieferbar

# HPC-Torusfräser mit ungleicher Teilung, diverse Radien, Allrounder zum Schruppen und Schlichten

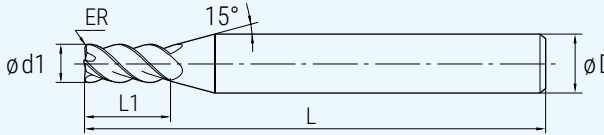



Bestellnummer	d1	ER	L1	L	D	Z	€ / St.	
SPRS-4010-R001-STC	1,0	0,1	2,5	50	4	4	28,80	●
SPRS-4010-R002-STC		0,2					28,80	●
SPRS-4015-R001-STC	1,5	0,1	4,0	50	4	4	28,80	●
SPRS-4015-R002-STC		0,2					28,80	●
SPRS-4015-R003-STC		0,3					28,80	●
SPRS-4020-R001-STC	2,0	0,1	6,0	50	4	4	28,80	●
SPRS-4020-R002-STC		0,2					28,80	●
SPRS-4020-R003-STC		0,3					28,80	●
SPRS-4020-R005-STC		0,5					28,80	●
SPRS-4030-R001-STC	3,0	0,1	10,0	60	6	4	34,70	●
SPRS-4030-R002-STC		0,2					34,70	●
SPRS-4030-R003-STC		0,3					34,70	●
SPRS-4030-R005-STC		0,5					34,70	●
SPRS-4040-R001-STC	4,0	0,1	12,0	60	6	4	34,70	●
SPRS-4040-R002-STC		0,2					34,70	●
SPRS-4040-R003-STC		0,3					34,70	●
SPRS-4040-R005-STC		0,5					34,70	●
SPRS-4040-R010-STC		1,0					34,70	●
SPRS-4050-R002-STC	5,0	0,2	15,0	60	6	4	34,70	●
SPRS-4050-R003-STC		0,3					34,70	●
SPRS-4050-R005-STC		0,5					34,70	●
SPRS-4050-R010-STC		1,0					34,70	●
SPRS-4060-R003-STC	6,0	0,3	15,0	60	6	4	34,70	●
SPRS-4060-R005-STC		0,5					34,70	●
SPRS-4060-R010-STC		1,0					34,70	●
SPRS-4060-R015-STC		1,5					34,70	●
SPRS-4080-R003-STC	8,0	0,3	20,0	80	8	4	48,20	●
SPRS-4080-R005-STC		0,5					48,20	●
SPRS-4080-R010-STC		1,0					48,20	●
SPRS-4080-R015-STC		1,5					48,20	●
SPRS-4080-R020-STC		2,0					48,20	●

● ab Lager lieferbar ● 1-2 Wochen für initiale Bevorratung, danach ab Lager lieferbar

# HPC-Torusfräser mit ungleicher Teilung, diverse Radien, Allrounder zum Schruppen und Schlichten

SPRS





h5

STC COATING

42° HELIX

UNEVEN PITCH

15° SHANK ANGLE

ER

R01-05

R1-15

R2-5

<700 N/mm<sup>2</sup>

700-1100 N/mm<sup>2</sup>

1100-1300 N/mm<sup>2</sup>

30-45 HRC

45-55 HRC

INOX

AL


CU CuZn Gold PL

TI

Bestellnummer	d1	ER	L1	L	D	Z	€ / St.	
SPRS-4100-R003-STC	10,0	0,3	25,0	80	10	4	65,80	●
SPRS-4100-R005-STC		0,5					65,80	●
SPRS-4100-R010-STC		1,0					65,80	●
SPRS-4100-R015-STC		1,5					65,80	●
SPRS-4100-R020-STC		2,0					65,80	●
SPRS-4100-R025-STC		2,5					65,80	●
SPRS-4100-R030-STC		3,0					65,80	●
SPRS-4120-R003-STC	12,0	0,3	30,0	100	12	4	77,80	●
SPRS-4120-R005-STC		0,5					77,80	●
SPRS-4120-R010-STC		1,0					77,80	●
SPRS-4120-R015-STC		1,5					77,80	●
SPRS-4120-R020-STC		2,0					77,80	●
SPRS-4120-R025-STC		2,5					77,80	●
SPRS-4120-R030-STC	3,0	77,80	●					
SPRS-4160-R005-STC	16,0	0,5	42,0	110	16	4	144,40	●
SPRS-4160-R010-STC		1,0					144,40	●
SPRS-4200-R005-STC	20,0	0,5	48,0	110	20	4	199,50	●
SPRS-4200-R010-STC		1,0					199,50	●


● ab Lager lieferbar    ● 1-2 Wochen für initiale Bevorratung, danach ab Lager lieferbar

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