



**Technical information**  
**Information technique**  
**Technische Auskunft**

**E02**

**Applications**  
**Applications**  
**Anwendungen**

**E03**

**Top clamp toolholders**

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.....

**E04**

**Top clamp boring bars**

.....  
.....

**E10**

Inserts

Turning

Automatic  
lathes

Ceramic  
tools

Parting &  
grooving

Threading

Drills

Cartridges

Brazed  
tools

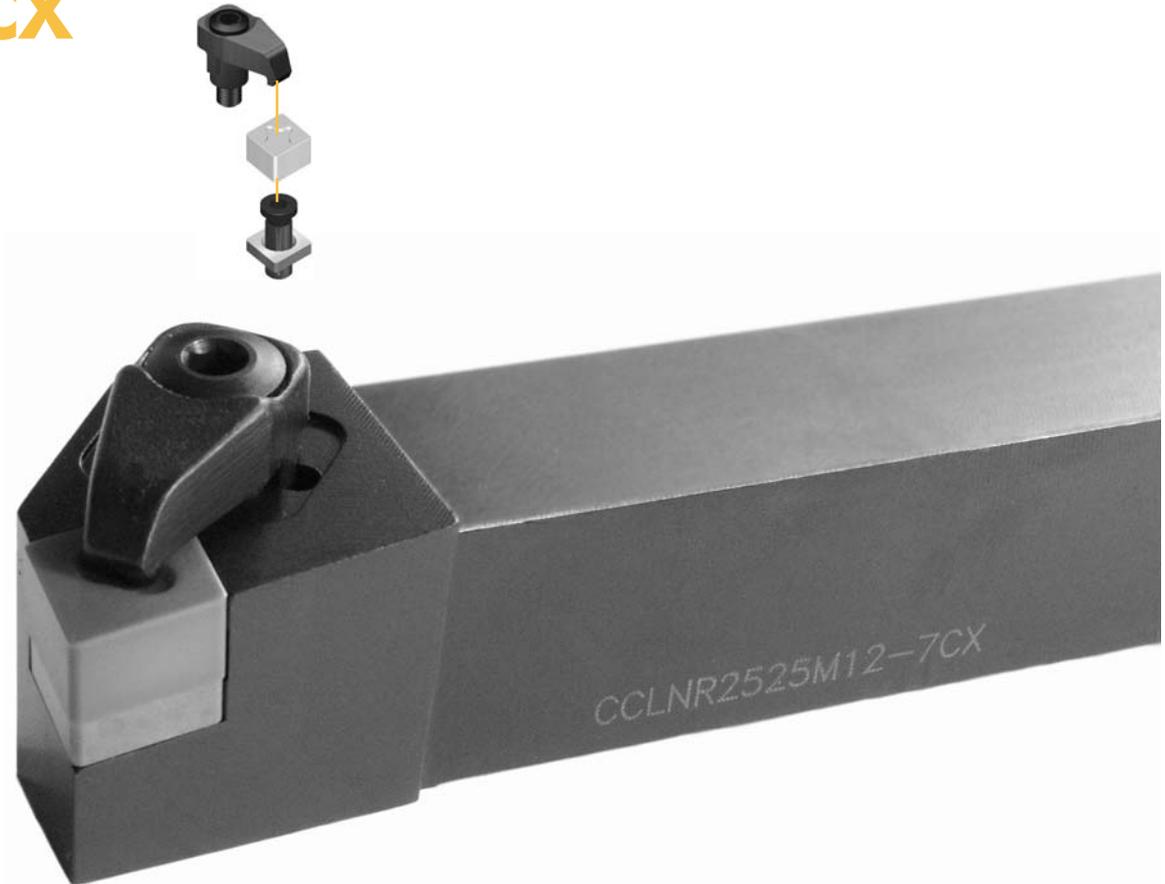
Milling  
cutters

Solid  
carbide

Boring  
heads

Arbors &  
adaptors

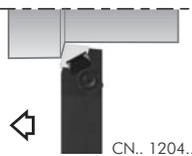
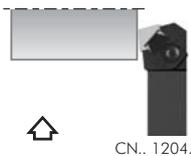
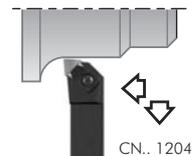
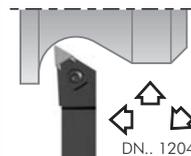
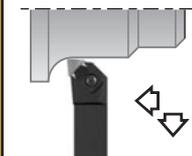
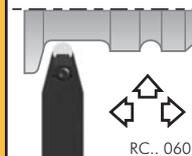
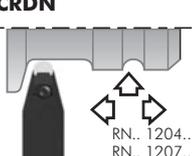
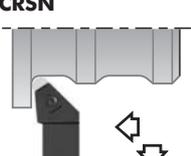
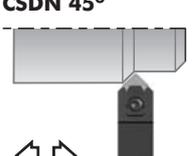
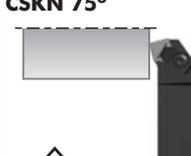
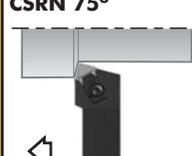
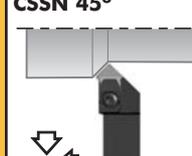
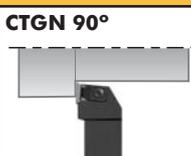
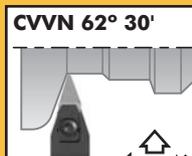
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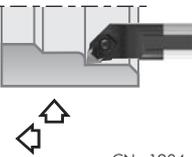
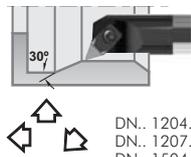
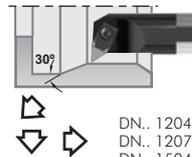
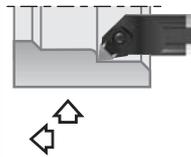
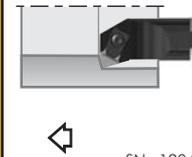
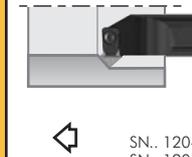
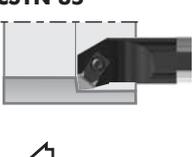
CD



Top clamp toolholders - ..... - .....

<p><b>CCBN 75°</b></p>  <p>Page E.04 CN.. 1204.. CN.. 1207.. CN.. 1607..</p>	<p><b>CCKN 75°</b></p>  <p>Page E.04 CN.. 1204.. CN.. 1207.. CN.. 1607..</p>	<p><b>CCLN 95°</b></p>  <p>Page E.04 CN.. 1204.. CN.. 1207.. CN.. 1607..</p>	<p><b>CDJN 93°</b></p>  <p>Page E.05 DN.. 1204.. DN.. 1207.. DN.. 1607..</p>	<p><b>CELN 97° 30'</b></p>  <p>Page E.05 EN.. 1307..</p>	<p><b>CRDC</b></p>  <p>Page E.05 RC.. 0607.. RC.. 1907..</p>
<p><b>CRDN</b></p>  <p>Page E.06 RN.. 1204.. RN.. 1207.. RN.. 1507.. RN.. 1907.. RN.. 2507..</p>	<p><b>CRSN</b></p>  <p>Page E.06 RN.. 1204.. RN.. 1207..</p>	<p><b>CSDN 45°</b></p>  <p>Page E.06 SN.. 120.. SN.. 1507..</p>	<p><b>CSKN 75°</b></p>  <p>Page E.07 SN.. 1204.. SN.. 1507..</p>	<p><b>CSRN 75°</b></p>  <p>Page E.07 SN.. 120.. SN.. 1507..</p>	<p><b>CSSN 45°</b></p>  <p>Page E.07 SN.. 1204.. SN.. 1507..</p>
<p><b>CSXN 85°</b></p>  <p>Page E.08 SN.. 120.. SN.. 1507..</p>	<p><b>CSYN 85°</b></p>  <p>Page E.08 SN.. 120.. SN.. 1507..</p>	<p><b>CTFN 90°</b></p>  <p>Page E.08 TN.. 1604.. TN.. 1607..</p>	<p><b>CTGN 90°</b></p>  <p>Page E.09 TN.. 1604.. TN.. 1607..</p>	<p><b>CVJN 93°</b></p>  <p>Page E.09 VN.. 1604.. VN.. 1607..</p>	<p><b>CVVN 62° 30'</b></p>  <p>Page E.09 VN.. 1604.. VN.. 1607..</p>

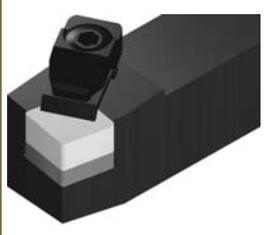
Top clamp boring bars - ..... - .....

<p><b>CCLN 95°</b></p>  <p>Page E.10 CN.. 1204.. CN.. 1207..</p>	<p><b>CDQN 107° 30'</b></p>  <p>Page E.10 DN.. 1204.. DN.. 1207.. DN.. 1504.. DN.. 1507..</p>	<p><b>CDUN 93°</b></p>  <p>Page E.10 DN.. 1204.. DN.. 1207.. DN.. 1504.. DN.. 1507..</p>	<p><b>CELN 97° 30'</b></p>  <p>Page E.11 EN.. 1307..</p>	<p><b>CSKN 75°</b></p>  <p>Page E.11 SN.. 1204.. SN.. 1207..</p>	<p><b>CSSN 45°</b></p>  <p>Page E.11 SN.. 1204.. SN.. 1207.. SN.. 1507..</p>
<p><b>CSYN 85°</b></p>  <p>Page E.12 SN.. 1204.. SN.. 1207..</p>					

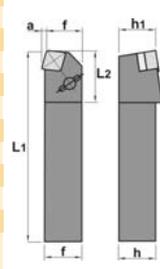
- Inserts
- Turning
- Automatic lathes
- Ceramic tools
- Parting & grooving
- Threading
- Drills
- Cartridges
- Brazed tools
- Milling cutters
- Solid carbide
- Boring heads
- Arbors & adaptors

Inserts

**CCBN 75°**



REF.	h=h1	b	L1	L2	f	α	CN..	[Icons]					
CCBN R/L 2525 M12-4CD	25	25	150	32	22	3,10	1204..	ICSN-454	470	944	247	-	504
CCBN R/L 2525 M12-7CD	25	25	150	32	22	3,10	1207..	ICSN-432	470	944	247	-	504
CCBN R/L 3225 P12-4CD	32	25	170	32	22	3,10	1204..	ICSN-454	470	944	247	-	504
CCBN R/L 3225 P12-7CD	32	25	170	32	22	3,10	1207..	ICSN-432	470	944	247	-	504
CCBN R/L 2525 M16-CD	25	25	150	35	27	3,82	1607..	ICSN-533	472	944	247	-	504
CCBN R/L 3225 P16-CD	32	25	170	35	27	3,82	1607..	ICSN-533	472	944	247	-	504
CCBN R/L 2525 M12-4CX	25	25	150	32	22	3,10	1204..	ICSN-454	470	-	-	271	504
CCBN R/L 2525 M12-7CX	25	25	150	32	22	3,10	1207..	ICSN-432	470	-	-	271	504
CCBN R/L 3225 P12-4CX	32	25	170	32	22	3,10	1204..	ICSN-454	470	-	-	271	504
CCBN R/L 3225 P12-7CX	32	25	170	32	22	3,10	1207..	ICSN-432	470	-	-	271	504
CCBN R/L 2525 M16-CX	25	25	150	35	27	3,82	1607..	ICSN-533	472	-	-	245	504
CCBN R/L 3225 P16-CX	32	25	170	35	27	3,82	1607..	ICSN-533	472	-	-	245	504



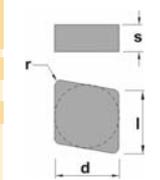
Turning

Automatic lathes

Ceramic tools



REF.	l	s	d
CN.. 1204..	12,90	4,76	12,70
CN.. 1207..	12,90	7,94	12,70
CN.. 1607..	16,10	7,94	15,88



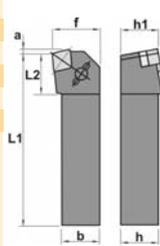
For more information see page: A.76

Parting & grooving

**CCKN 75°**



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CCKN R/L 2525 M12-4CD	25	25	150	29	32	3,10	1204..	ICSN-454	470	944	247	-	504
CCKN R/L 2525 M12-7CD	25	25	150	29	32	3,10	1207..	ICSN-432	470	944	247	-	504
CCKN R/L 3225 P12-4CD	32	25	170	29	32	3,10	1204..	ICSN-454	470	944	247	-	504
CCKN R/L 3225 P12-7CD	32	25	170	29	32	3,10	1207..	ICSN-432	470	944	247	-	504
CCKN R/L 2525 M12-4CX	25	25	150	29	32	3,10	1204..	ICSN-454	470	-	-	271	504
CCKN R/L 2525 M12-7CX	25	25	150	29	32	3,10	1207..	ICSN-432	470	-	-	271	504
CCKN R/L 3225 P12-4CX	32	25	170	29	32	3,10	1204..	ICSN-454	470	-	-	271	504
CCKN R/L 3225 P12-7CX	32	25	170	29	32	3,10	1207..	ICSN-432	470	-	-	271	504



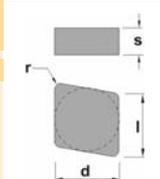
Threading

Drills

Cartridges



REF.	l	s	d
CN.. 1204..	12,90	4,76	12,70
CN.. 1207..	12,90	7,94	12,70

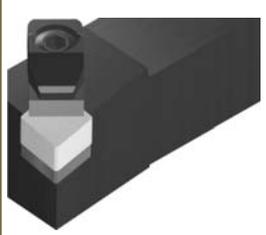


For more information see page: A.76

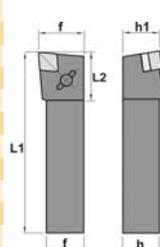
Brazed tools

Milling cutters

**CCLN 95°**



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CCLN R/L 2525 M12-4CD	25	25	150	35	32	1204..	ICSN-454	470	944	247	-	504
CCLN R/L 2525 M12-7CD	25	25	150	35	32	1207..	ICSN-432	470	944	247	-	504
CCLN R/L 3225 P12-4CD	32	25	170	35	32	1204..	ICSN-454	470	944	247	-	504
CCLN R/L 3225 P12-7CD	32	25	170	35	32	1207..	ICSN-432	470	944	247	-	504
CCLN R/L 2525 M16-CD	25	25	150	35	32	1607..	ICSN-533	472	944	247	-	504
CCLN R/L 3225 P16-CD	32	25	170	35	32	1607..	ICSN-533	472	944	247	-	504
CCLN R/L 2525 M12-4CX	25	25	150	35	32	1204..	ICSN-454	470	-	-	245	504
CCLN R/L 2525 M12-7CX	25	25	150	35	32	1207..	ICSN-432	470	-	-	245	504
CCLN R/L 3225 P12-4CX	32	25	170	35	32	1204..	ICSN-454	470	-	-	245	504
CCLN R/L 3225 P12-7CX	32	25	170	35	32	1207..	ICSN-432	470	-	-	245	504
CCLN R/L 2525 M16-CX	25	25	150	35	32	1607..	ICSN-533	472	-	-	252	504
CCLN R/L 3225 P16-CX	32	25	170	35	32	1607..	ICSN-533	472	-	-	252	504



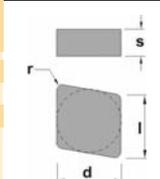
Solid carbide

Boring heads

Arbors & adaptors

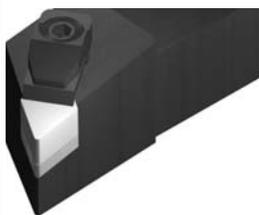


REF.	l	s	d
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CN.. 1207..	12,90	7,94	12,70
CN.. 1607..	16,10	7,94	15,88

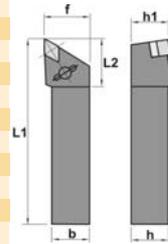


For more information see page: A.76

**CDJN 93°**



REF.	h=h1	b	L1	L2	f	DN..	Icons					
CDJN R/L 2525 M12-4CD	25	25	150	38	32	1204..	379	130	946	243	-	504
CDJN R/L 2525 M12-7CD	25	25	150	38	32	1207..	370	130	946	243	-	504
CDJN R/L 3225 P12-4CD	32	25	170	38	32	1204..	379	130	946	243	-	504
CDJN R/L 3225 P12-7CD	32	25	170	38	32	1207..	370	130	946	243	-	504
CDJN R/L 2525 M15-CD	25	25	150	38	32	1507..	IDSN-432	470	946	247	-	504
CDJN R/L 3225 P15-CD	32	25	170	38	32	1507..	IDSN-432	470	946	247	-	504
CDJN R/L 2525 M12-4CX	25	25	150	38	32	1204..	379	130	-	-	245	504
CDJN R/L 2525 M12-7CX	25	25	150	38	32	1207..	370	130	-	-	245	504
CDJN R/L 3225 P12-4CX	32	25	170	38	32	1204..	379	130	-	-	245	504
CDJN R/L 3225 P12-7CX	32	25	170	38	32	1207..	370	130	-	-	245	504
CDJN R/L 2525 M15-CX	25	25	150	38	32	1507..	IDSN-432	470	-	-	252	504
CDJN R/L 3225 P15-CX	32	25	170	38	32	1507..	IDSN-432	470	-	-	252	504



Inserts

Turning

Automatic lathes

Ceramic tools

Parting & grooving

Threading

Drills

Cartridges

Brazed tools

Milling cutters

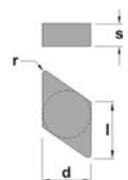
Solid carbide

Boring heads

Arbors & adaptors

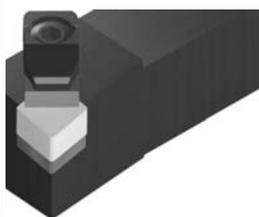


REF.	l	s	d
DN.. 1204..	13,05	4,76	10,70
DN.. 1207..	13,05	7,94	10,70
DN.. 1507..	15,50	7,94	12,70

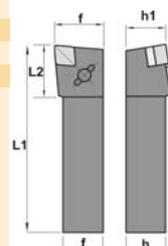


For more information see page: A.76

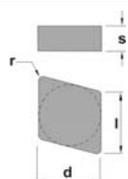
**CELN 97° 30'**



REF.	h=h1	b	L1	L2	f	EN..	Icons					
CELN R/L 2020 K13-CD	20	20	125	32	25	1307..	IESN-432	470	944	243	-	504
CELN R/L 2525 M13-CD	25	25	150	32	32	1307..	IESN-432	470	944	243	-	504
CELN R/L 3225 P13-CD	32	25	170	32	32	1307..	IESN-432	470	944	243	-	504
CELN R/L 2020 K13-CX	20	20	125	32	25	1307..	IESN-432	470	-	-	245	504
CELN R/L 2525 M13-CX	25	25	150	32	32	1307..	IESN-432	470	-	-	245	504
CELN R/L 3225 P13-CX	32	25	170	32	32	1307..	IESN-432	470	-	-	245	504

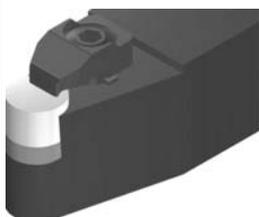


REF.	l	s	d
EN.. 1307..	13,12	7,94	12,70

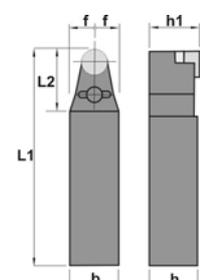


For more information see page: A.77

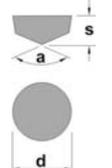
**CRDC**



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CRDC N 2525 M09-CD	25	25	150	20	12,5	0907..	387	125	229	503		
CRDC N 3225 P09-CD	32	25	170	20	12,5	0907..	387	125	229	503		
CRDC N 2525 M12-CD	25	25	150	25	12,5	1207..	388	130	229	503		
CRDC N 3225 P12-CD	32	25	170	25	12,5	1207..	388	130	229	503		
CRDC N 2525 M15-CD	25	25	150	30	12,5	1510..	389	130 (x2)	244	504		
CRDC N 3225 P15-CD	32	25	170	30	12,5	1510..	389	130 (x2)	244	504		
CRDC N 3225 P19-CD	32	25	170	42	12,5	1910..	390	130 (x2)	244	504		
CRDC N 3232 P19-CD	32	32	170	42	16,0	1910..	390	130 (x2)	244	504		
CRDC N 3232 P25-CD	32	32	170	45	16,0	2512..	335	130 (x2)	247	504		



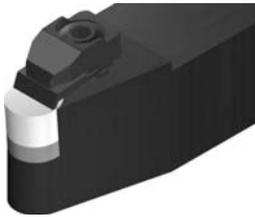
REF.	a	s	d
RCGX 0607..	120°	7,94	6,35
RCGX 0907..	120°	7,94	9,52
RCGX 1207..	120°	7,94	12,70
RCGX 1510..	120°	10,00	15,87
RCGX 1910..	120°	10,00	19,05
RCGX 2512..	140°	12,00	25,40



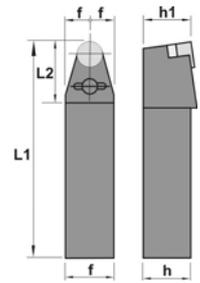
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Inserts

**CRDN**



REF.	h=h1	b	L1	L2	f	RNGN					
<b>CRDN N 2525 M12-4CD</b>	25	25	150	32	12,5	1204..	IRSN-45	470	243	944	504
<b>CRDN N 2525 M12-7CD</b>	25	25	150	32	12,5	1207..	IRSN-43	470	243	944	504
<b>CRDN N 3225 P12-4CD</b>	32	25	170	32	12,5	1204..	IRSN-45	470	243	944	504
<b>CRDN N 3225 P12-7CD</b>	32	25	170	32	12,5	1207..	IRSN-43	470	243	944	504
<b>CRDN N 2525 M15-7CD</b>	25	25	150	32	12,5	1507..	IRSN-53	472	247	944	504
<b>CRDN N 3225 P15-7CD</b>	32	25	170	32	12,5	1507..	IRSN-53	472	247	944	504
<b>CRDN N 3225 P19-7CD</b>	32	25	170	32	12,5	1907..	390	478	247	944	504
<b>CRDN N 3232 P25-7CD</b>	32	32	170	32	16,0	2507..	IRSN-84	478	247	944	504



Turning

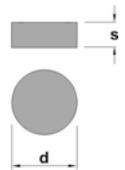
Automatic lathes

Ceramic tools



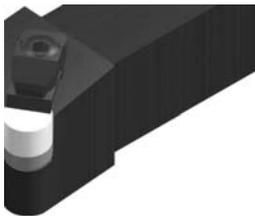
REF.	l	s	d
<b>RNGN 1204..</b>	-	4,76	12,70
<b>RNGN 1207..</b>	-	7,94	12,70
<b>RNGN 1507..</b>	-	7,94	15,88
<b>RNGN 1907..</b>	-	7,94	19,05
<b>RNGN 2507..</b>	-	7,94	25,40

For more information see page: A.78

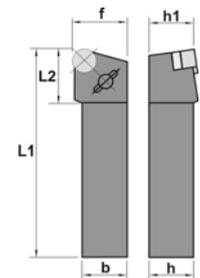


Parting & grooving

**CRSN**



REF.	h=h1	b	L1	L2	f	RNGN					
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<b>CRSN R/L 2525 M12-7CD</b>	25	25	150	28	32	1207..	IRSN-43	470	243	944	504
<b>CRSN R/L 3225 P12-4CD</b>	32	25	170	28	32	1204..	IRSN-45	470	243	944	504
<b>CRSN R/L 3225 P12-7CD</b>	32	25	170	28	32	1207..	IRSN-43	470	243	944	504



Threading

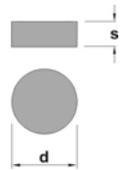
Drills

Cartridges



REF.	l	s	d
<b>RNGN 1204..</b>	-	4,76	12,70
<b>RNGN 1207..</b>	-	7,94	12,70

For more information see page: A.78

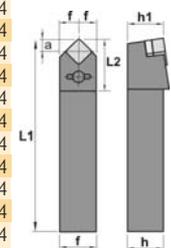


Brazed tools

**CSDN 45°**



REF.	h=h1	b	L1	L2	f	a	SN..						
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<b>CSDN N 2525 M12-7CD</b>	25	25	150	35	12,5	8,32	1207..	ISSN-432	470	944	247	-	504
<b>CSDN N 3225 P12-4CD</b>	32	25	170	35	12,5	8,32	1204..	ISSN-452	470	944	247	-	504
<b>CSDN N 3225 P12-7CD</b>	32	25	170	35	12,5	8,32	1207..	ISSN-432	470	944	247	-	504
<b>CSDN N 2525 M15-CD</b>	25	25	150	38	12,5	10,23	1507..	ISSN-533	472	944	247	-	504
<b>CSDN N 3225 P15-CD</b>	32	25	170	38	12,5	10,23	1507..	ISSN-533	472	944	247	-	504
<b>CSDN N 2525 M12-4CX</b>	25	25	150	35	12,5	8,32	1204..	ISSN-452	470	-	-	245	504
<b>CSDN N 2525 M12-7CX</b>	25	25	150	35	12,5	8,32	1207..	ISSN-432	470	-	-	245	504
<b>CSDN N 3225 P12-4CX</b>	32	25	170	35	12,5	8,32	1204..	ISSN-452	470	-	-	245	504
<b>CSDN N 3225 P12-7CX</b>	32	25	170	35	12,5	8,32	1207..	ISSN-432	470	-	-	245	504
<b>CSDN N 2525 M15-CX</b>	25	25	150	38	12,5	10,23	1507..	ISSN-533	472	-	-	245	504
<b>CSDN N 3225 P15-CX</b>	32	25	170	38	12,5	10,23	1507..	ISSN-533	472	-	-	245	504



Milling cutters

Solid carbide

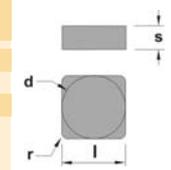
Boring heads

Arbors & adaptors

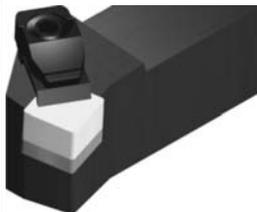


REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70
<b>SN.. 1507..</b>	15,87	7,94	15,87

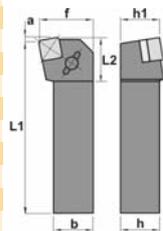
For more information see page: A.78



**CSKN 75°**



REF.	h=h1	b	L1	L2	f	a	SN..	[Icons]					
<b>CSKN R/L 2525 M12-4CD</b>	25	25	150	27	32	3,06	1204..	ISSN-452	470	944	247	-	504
<b>CSKN R/L 2525 M12-7CD</b>	25	25	150	27	32	3,06	1207..	ISSN-432	470	944	247	-	504
<b>CSKN R/L 3225 P12-4CD</b>	32	25	170	27	32	3,06	1204..	ISSN-452	470	944	247	-	504
<b>CSKN R/L 3225 P12-7CD</b>	32	25	170	27	32	3,06	1207..	ISSN-432	470	944	247	-	504
<b>CSKN R/L 2525 M15-CD</b>	25	25	150	28	32	3,77	1507..	ISSN-533	472	944	247	-	504
<b>CSKN R/L 3225 P15-CD</b>	32	25	170	28	32	3,77	1507..	ISSN-533	472	944	247	-	504
<b>CSKN R/L 2525 M12-4CX</b>	25	25	150	27	32	3,06	1204..	ISSN-452	470	-	-	245	504
<b>CSKN R/L 2525 M12-7CX</b>	25	25	150	27	32	3,06	1207..	ISSN-432	470	-	-	245	504
<b>CSKN R/L 3225 P12-4CX</b>	32	25	170	27	32	3,06	1207..	ISSN-452	470	-	-	245	504
<b>CSKN R/L 3225 P12-7CX</b>	32	25	170	27	32	3,06	1207..	ISSN-432	470	-	-	245	504
<b>CSKN R/L 2525 M15-CX</b>	25	25	150	28	32	3,77	1507..	ISSN-533	472	-	-	245	504
<b>CSKN R/L 3225 P15-CX</b>	32	25	170	28	32	3,77	1507..	ISSN-533	472	-	-	245	504
<b>CSKN R/L 4040 P15-CX</b>	40	40	170	28	50	3,77	1507..	ISSN-533	472	-	-	245	504



Inserts

Turning

Automatic lathes

Ceramic tools

Parting & grooving

Threading

Drills

Cartridges

Brazed tools

Milling cutters

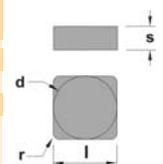
Solid carbide

Boring heads

Arbors & adaptors



REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70
<b>SN.. 1507..</b>	15,87	7,94	15,87

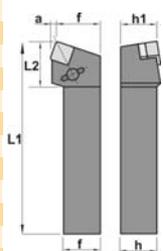


For more information see page: A.78

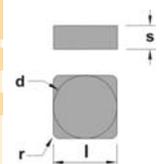
**CSRN 75°**



REF.	h=h1	b	L1	L2	f	a	SN..	[Icons]					
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<b>CSRN R/L 2525 M12-7CD</b>	25	25	150	32	27	3,06	1207..	ISSN-432	470	944	247	-	504
<b>CSRN R/L 3225 P12-4CD</b>	32	25	170	32	27	3,06	1204..	ISSN-452	470	944	247	-	504
<b>CSRN R/L 3225 P12-7CD</b>	32	25	170	32	27	3,06	1207..	ISSN-432	470	944	247	-	504
<b>CSRN R/L 2525 M15-CD</b>	25	25	150	34	27	3,77	1507..	ISSN-533	472	944	247	-	504
<b>CSRN R/L 3225 P15-CD</b>	32	25	170	34	27	3,77	1507..	ISSN-533	472	944	247	-	504
<b>CSRN R/L 3232 P19-CD</b>	32	32	170	34	27	4,50	1907..	ISSN-634	473	944	247	-	504
<b>CSRN R/L 4040 P19-CD</b>	40	40	170	34	27	4,50	1907..	ISSN-634	478	944	247	-	504
<b>CSRN R/L 2525 M12-4CX</b>	25	25	150	32	27	3,06	1204..	ISSN-452	470	-	-	245	504
<b>CSRN R/L 2525 M12-7CX</b>	25	25	150	32	27	3,06	1207..	ISSN-432	470	-	-	245	504
<b>CSRN R/L 3225 P12-4CX</b>	32	25	170	32	27	3,06	1204..	ISSN-452	470	-	-	245	504
<b>CSRN R/L 3225 P12-7CX</b>	32	25	170	32	27	3,06	1207..	ISSN-432	470	-	-	245	504
<b>CSRN R/L 2525 M15-CX</b>	25	25	150	34	27	3,77	1507..	ISSN-533	472	-	-	245	504
<b>CSRN R/L 3225 P15-CX</b>	32	25	170	34	27	3,77	1507..	ISSN-533	472	-	-	245	504



REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70
<b>SN.. 1507..</b>	15,87	7,94	15,87

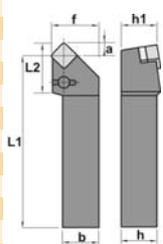


For more information see page: A.78

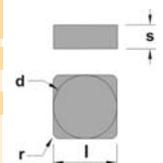
**CSSN 45°**



REF.	h=h1	b	L1	L2	f	a	SN..	[Icons]					
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<b>CSSN R/L 2525 M12-7CD</b>	25	25	150	35	32	8,32	1207..	ISSN-432	470	944	247	-	504
<b>CSSN R/L 3225 P12-4CD</b>	32	25	170	35	32	8,32	1204..	ISSN-452	470	944	247	-	504
<b>CSSN R/L 3225 P12-7CD</b>	32	25	170	35	32	8,32	1207..	ISSN-432	470	944	247	-	504
<b>CSSN R/L 2525 M15-CD</b>	25	25	150	37	32	10,23	1507..	ISSN-533	472	944	247	-	504
<b>CSSN R/L 3225 P15-CD</b>	32	25	170	37	32	10,23	1507..	ISSN-533	472	944	247	-	504
<b>CSSN R/L 3232 P19-CD</b>	32	32	170	37	32	12,50	1907..	ISSN-634	478	944	247	-	504
<b>CSSN R/L 4040 P19-CD</b>	40	40	170	37	32	12,50	1907..	ISSN-634	478	944	247	-	504
<b>CSSN R/L 2525 M12-4CX</b>	25	25	150	35	32	8,32	1204..	ISSN-452	470	-	-	245	504
<b>CSSN R/L 2525 M12-7CX</b>	25	25	150	35	32	8,32	1207..	ISSN-432	470	-	-	245	504
<b>CSSN R/L 3225 P12-4CX</b>	32	25	170	35	32	8,32	1204..	ISSN-452	470	-	-	245	504
<b>CSSN R/L 3225 P12-7CX</b>	32	25	170	35	32	8,32	1207..	ISSN-432	470	-	-	245	504
<b>CSSN R/L 2525 M15-CX</b>	25	25	150	37	32	10,23	1507..	ISSN-533	472	-	-	245	504
<b>CSSN R/L 3225 P15-CX</b>	32	25	170	37	32	10,23	1507..	ISSN-533	472	-	-	245	504



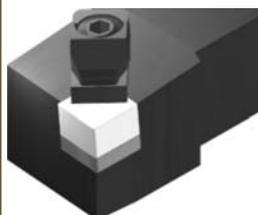
REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70
<b>SN.. 1507..</b>	15,87	7,94	15,87



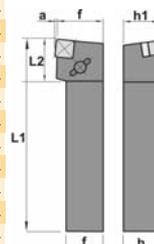
For more information see page: A.78

Inserts

**CSXN 85°**



REF.	h=h1 b		L1	L2	f	α	SN..						
<b>CSXN R/L 2525 M12-4CD</b>	25	25	150	30	32	1,03	1204..	ISSN-452	470	944	247	-	504
<b>CSXN R/L 2525 M12-7CD</b>	25	25	150	30	32	1,03	1207..	ISSN-432	470	944	247	-	504
<b>CSXN R/L 3225 P12-4CD</b>	32	25	170	30	32	1,03	1204..	ISSN-452	470	944	247	-	504
<b>CSXN R/L 3225 P12-7CD</b>	32	25	170	30	32	1,03	1207..	ISSN-432	470	944	247	-	504
<b>CSXN R/L 2525 M15-CD</b>	25	25	150	33	32	1,38	1507..	ISSN-533	472	944	247	-	504
<b>CSXN R/L 3225 P15-CD</b>	32	25	170	33	32	1,38	1507..	ISSN-533	472	944	247	-	504
<b>CSXN R/L 2525 M12-4CX</b>	25	32	150	30	32	1,03	1204..	ISSN-452	470	-	-	245	504
<b>CSXN R/L 2525 M12-7CX</b>	25	40	150	30	32	1,03	1207..	ISSN-432	470	-	-	245	504
<b>CSXN R/L 3225 P12-4CX</b>	32	25	170	30	32	1,03	1204..	ISSN-452	470	-	-	245	504
<b>CSXN R/L 3225 P12-7CX</b>	32	25	170	30	32	1,03	1207..	ISSN-432	470	-	-	245	504
<b>CSXN R/L 2525 M15-CX</b>	25	25	150	33	32	1,38	1507..	ISSN-533	472	-	-	245	504
<b>CSXN R/L 3225 P15-CX</b>	32	25	170	33	32	1,38	1507..	ISSN-533	472	-	-	245	504



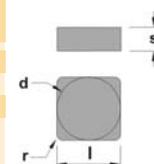
Turning

Automatic lathes

Ceramic tools



REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70
<b>SN.. 1507..</b>	15,87	7,94	15,87



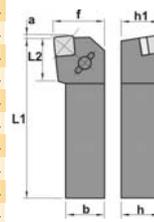
For more information see page: A.78

Parting & grooving

**CSYN 85°**



REF.	h=h1 b		L1	L2	f	α	SN..						
<b>CSYN R/L 2525 M12-4CD</b>	25	25	150	27	32	1,03	1204..	ISSN-452	470	944	247	-	504
<b>CSYN R/L 2525 M12-7CD</b>	25	25	150	27	32	1,03	1207..	ISSN-432	470	944	247	-	504
<b>CSYN R/L 3225 P12-4CD</b>	32	25	170	27	32	1,03	1204..	ISSN-452	470	944	247	-	504
<b>CSYN R/L 3225 P12-7CD</b>	32	25	170	27	32	1,03	1207..	ISSN-432	470	944	247	-	504
<b>CSYN R/L 2525 M15-CD</b>	25	25	150	27	32	1,38	1507..	ISSN-533	472	944	247	-	504
<b>CSYN R/L 3225 P15-CD</b>	32	25	170	27	32	1,38	1507..	ISSN-533	472	944	247	-	504
<b>CSYN R/L 2525 M12-4CX</b>	25	32	150	27	32	1,03	1204..	ISSN-452	470	-	-	245	504
<b>CSYN R/L 2525 M12-7CX</b>	25	40	150	27	32	1,03	1207..	ISSN-432	470	-	-	245	504
<b>CSYN R/L 3225 P12-4CX</b>	32	25	170	27	32	1,03	1204..	ISSN-452	470	-	-	245	504
<b>CSYN R/L 3225 P12-7CX</b>	32	25	170	27	32	1,03	1207..	ISSN-432	470	-	-	245	504
<b>CSYN R/L 2525 M15-CX</b>	25	25	150	27	32	1,38	1507..	ISSN-533	472	-	-	245	504
<b>CSYN R/L 3225 P15-CX</b>	32	25	170	27	32	1,38	1507..	ISSN-533	472	-	-	245	504



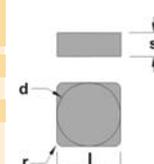
Threading

Drills

Cartridges



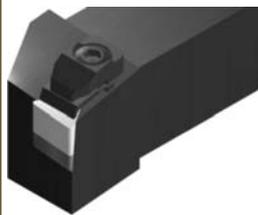
REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70
<b>SN.. 1507..</b>	15,87	7,94	15,87



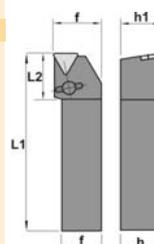
For more information see page: A.78

Brazed tools

**CTFN 90°**



REF.	h=h1 b		L1	L2	f	TNGN							
<b>CTFN R/L 2525 M16-4CD</b>	25	25	150	29	32	1604..	ITSN-342	465	946	243	504		
<b>CTFN R/L 2525 M16-7CD</b>	25	25	150	29	32	1607..	ITSN-322	465	946	243	504		
<b>CTFN R/L 3225 P16-4CD</b>	32	25	170	29	32	1604..	ITSN-342	465	946	243	504		
<b>CTFN R/L 3225 P16-7CD</b>	32	25	170	29	32	1607..	ITSN-322	465	946	243	504		



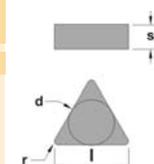
Milling cutters

Solid carbide

Boring heads



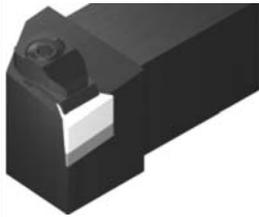
REF.	l	s	d
<b>TNGN 1604..</b>	16,50	4,76	9,52
<b>TNGN 1607..</b>	16,50	7,94	9,52



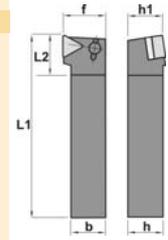
For more information see page: A.79

Arbors & adaptors

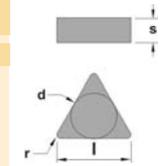
**CTGN 90°**



REF.	h=h1	b	L1	L2	f	TNGN	[Icons]				
<b>CTGN R/L 2525 M16-4CD</b>	25	25	150	20	32	1604..	ITSN-342	465	946	243	504
<b>CTGN R/L 2525 M16-7CD</b>	25	25	150	20	32	1607..	ITSN-322	465	946	243	504
<b>CTGN R/L 3225 P16-4CD</b>	32	25	170	20	32	1604..	ITSN-342	465	946	243	504
<b>CTGN R/L 3225 P16-7CD</b>	32	25	170	20	32	1607..	ITSN-322	465	946	243	504

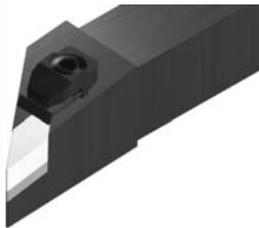


REF.	l	s	d
<b>TNGN 1604..</b>	16,50	4,76	9,52
<b>TNGN 1607..</b>	16,50	7,94	9,52

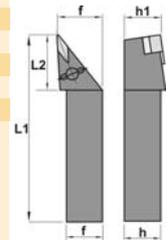


For more information see page: A.79

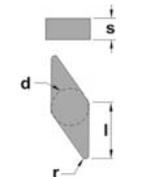
**CVJN 93°**



REF.	h=h1	b	L1	L2	f	VN..	[Icons]				
<b>CVJN R/L 2525 M16-4CD</b>	25	25	150	41	32	1604..	IVSN-342	465	946	247	- 504
<b>CVJN R/L 2525 M16-7CD</b>	25	25	150	41	32	1607..	IVSN-322	465	946	247	- 504
<b>CVJN R/L 3225 P16-4CD</b>	32	25	170	41	32	1604..	IVSN-342	465	946	247	- 504
<b>CVJN R/L 3225 P16-7CD</b>	32	25	170	41	32	1607..	IVSN-322	465	946	247	- 504
<b>CVJN R/L 2525 M16-4CX</b>	25	25	150	41	32	1604..	IVSN-342	465	-	-	248 504
<b>CVJN R/L 2525 M16-7CX</b>	25	25	150	41	32	1607..	IVSN-322	465	-	-	248 504
<b>CVJN R/L 3225 P16-4CX</b>	32	25	170	41	32	1604..	IVSN-342	465	-	-	248 504
<b>CVJN R/L 3225 P16-7CX</b>	32	25	170	41	32	1607..	IVSN-322	465	-	-	248 504

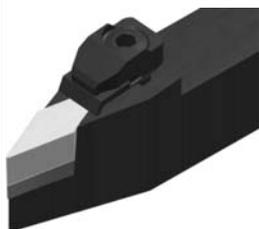


REF.	l	s	d
<b>VN.. 1604..</b>	16,50	4,76	9,52
<b>VN.. 1607..</b>	16,50	7,94	9,52

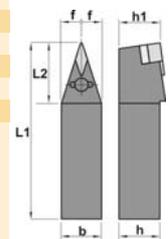


For more information see page: A.79

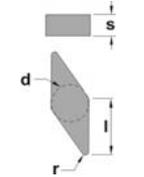
**CVVN 62° 30'**



REF.	h=h1	b	L1	L2	f	VN..	[Icons]				
<b>CVVN N 2525 M16-4CD</b>	25	25	150	45	12,5	1604..	IVSN-342	465	946	247	- 504
<b>CVVN N 2525 M16-7CD</b>	25	25	150	45	12,5	1607..	IVSN-322	465	946	247	- 504
<b>CVVN N 3225 P16-4CD</b>	32	25	170	45	12,5	1604..	IVSN-342	465	946	247	- 504
<b>CVVN N 3225 P16-7CD</b>	32	25	170	45	12,5	1607..	IVSN-322	465	946	247	- 504
<b>CVVN N 2525 M16-4CX</b>	25	25	150	45	12,5	1604..	IVSN-342	465	-	-	248 504
<b>CVVN N 2525 M16-7CX</b>	25	25	150	45	12,5	1607..	IVSN-322	465	-	-	248 504
<b>CVVN N 3225 P16-4CX</b>	32	25	170	45	12,5	1604..	IVSN-342	465	-	-	248 504
<b>CVVN N 3225 P16-7CX</b>	32	25	170	45	12,5	1607..	IVSN-322	465	-	-	248 504



REF.	l	s	d
<b>VN.. 1604..</b>	16,50	4,76	9,52
<b>VN.. 1607..</b>	16,50	7,94	9,52



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Inserts

Turning

Automatic lathes

Ceramic tools

Parting & grooving

Threading

Drills

Cartridges

Brazed tools

Milling cutters

Solid carbide

Boring heads

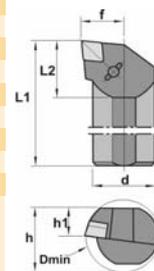
Arbors & adaptors

Inserts

**CCLN 95°**



REF.	d	h1	L1	L2	f	h	Dmin	CN..						
<b>S32S CCLN R/L 12-7CD</b>	32	15,0	250	40	22	30	40	1207..	-	-	944	247	-	504
<b>S40T CCLN R/L 12-4CD</b>	40	18,5	300	35	27	37	70	1204..	ICSN-454	471	944	247	-	504
<b>S40T CCLN R/L 12-7CD</b>	40	18,5	300	35	27	37	70	1207..	ICSN-432	471	944	247	-	504
<b>S50U CCLN R/L 12-4CD</b>	50	23,5	350	38	32	47	70	1204..	ICSN-454	470	944	247	-	504
<b>S50U CCLN R/L 12-7CD</b>	50	23,5	350	38	32	47	70	1207..	ICSN-432	470	944	247	-	504
<b>S32S CCLN R/L 12-7CX</b>	32	15,0	250	40	22	30	40	1207..	-	-	-	-	-	245
<b>S40T CCLN R/L 12-4CX</b>	40	18,5	300	35	27	37	70	1204..	ICSN-454	471	-	-	-	245
<b>S40T CCLN R/L 12-7CX</b>	40	18,5	300	35	27	37	70	1207..	ICSN-432	471	-	-	-	245
<b>S50U CCLN R/L 12-4CX</b>	50	23,5	350	38	32	47	70	1204..	ICSN-454	470	-	-	-	245
<b>S50U CCLN R/L 12-7CX</b>	50	23,5	350	38	32	47	70	1207..	ICSN-432	470	-	-	-	245



Turning

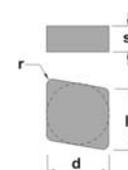
Automatic lathes

Ceramic tools



REF.	l	s	d
<b>CN.. 1204..</b>	12,90	4,76	12,70
<b>CN.. 1207..</b>	12,90	7,94	12,70

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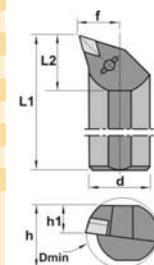


Parting & grooving

**CDQN 107° 30'**



REF.	d	h1	L1	L2	f	h	Dmin	DN..						
<b>S32S CDQN R/L 12-7CD</b>	32	15,0	250	40	22	30	50	1207..	-	-	944	243	-	504
<b>S40T CDQN R/L 12-4CD</b>	40	18,5	300	35	27	37	70	1204..	379	130	944	243	-	504
<b>S40T CDQN R/L 12-7CD</b>	40	18,5	300	35	27	37	70	1207..	370	130	944	243	-	504
<b>S50U CDQN R/L 15-4CD</b>	50	23,5	350	38	32	47	70	1504..	IDSN-452	470	944	247	-	504
<b>S50U CDQN R/L 15-7CD</b>	50	23,5	350	38	32	47	70	1507..	IDSN-432	470	944	247	-	504
<b>S32S CDQN R/L 12-7CX</b>	32	15,0	250	40	22	30	50	1207..	-	-	-	-	-	245
<b>S40T CDQN R/L 12-4CX</b>	40	18,5	300	35	27	37	70	1204..	379	130	-	-	-	245
<b>S40T CDQN R/L 12-7CX</b>	40	18,5	300	35	27	37	70	1207..	370	130	-	-	-	245
<b>S50U CDQN R/L 15-4CX</b>	50	23,5	350	38	32	47	70	1504..	IDSN-452	470	-	-	-	252
<b>S50U CDQN R/L 15-7CX</b>	50	23,5	350	38	32	47	70	1507..	IDSN-432	470	-	-	-	252



Threading

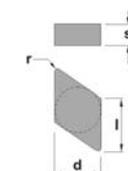
Drills

Cartridges



REF.	l	s	d
<b>DN.. 1204..</b>	13,05	4,76	10,70
<b>DN.. 1207..</b>	13,05	7,94	10,70
<b>DN.. 1504..</b>	15,50	4,76	12,70
<b>DN.. 1507..</b>	15,50	7,94	12,70

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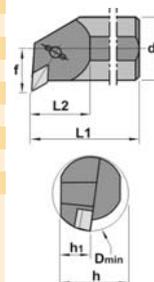


Brazed tools

**CDUN 93°**



REF.	d	h1	L1	L2	f	h	Dmin	DN..						
<b>S32S CDUN R/L 12-7CD</b>	32	15,0	250	40	22	30	40	1207..	-	-	946	243	-	504
<b>S40T CDUN R/L 12-4CD</b>	40	18,5	300	50	27	37	70	1204..	379	130	946	243	-	504
<b>S40T CDUN R/L 12-7CD</b>	40	18,5	300	50	27	37	70	1207..	370	130	946	243	-	504
<b>S50U CDUN R/L 15-4CD</b>	50	23,5	350	50	32	47	70	1504..	IDSN-452	470	946	247	-	504
<b>S50U CDUN R/L 15-7CD</b>	50	23,5	350	50	32	47	70	1507..	IDSN-432	470	946	247	-	504
<b>S32S CDUN R/L 12-7CX</b>	32	15,0	250	40	22	30	40	1207..	-	-	-	-	-	245
<b>S40T CDUN R/L 12-4CX</b>	40	18,5	300	50	27	37	70	1204..	379	130	-	-	-	245
<b>S40T CDUN R/L 12-7CX</b>	40	18,5	300	50	27	37	70	1207..	370	130	-	-	-	245
<b>S50U CDUN R/L 15-4CX</b>	50	23,5	350	50	32	47	70	1504..	IDSN-452	470	-	-	-	252
<b>S50U CDUN R/L 15-7CX</b>	50	23,5	350	50	32	47	70	1507..	IDSN-432	470	-	-	-	252



Milling cutters

Solid carbide

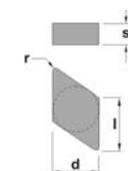
Boring heads

Arbors & adaptors



REF.	l	s	d
<b>DN.. 1204..</b>	13,05	4,76	10,70
<b>DN.. 1207..</b>	13,05	7,94	10,70
<b>DN.. 1504..</b>	15,50	4,76	12,70
<b>DN.. 1507..</b>	15,50	7,94	12,70

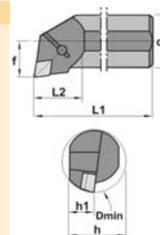
For more information see page: A.76



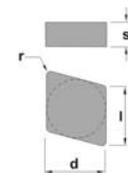
**CELN 97° 30'**



REF.	d	h1	L1	L2	f	h	Dmin	EN..	[Icons]					
<b>S40T CELN R/L 13-CD</b>	40	18,5	300	32	27	37	50	1307..	IESN-432	471	944	247	-	504
<b>S50U CELN R/L 13-CD</b>	50	23,5	350	32	35	47	63	1307..	IESN-432	470	944	247	-	504
<b>S40T CELN R/L 13-CX</b>	40	18,5	300	32	27	37	50	1307..	IESN-432	471	-	-	245	504
<b>S50U CELN R/L 13-CX</b>	50	23,5	350	32	35	47	63	1307..	IESN-432	470	-	-	245	504



REF.	l	s	d
EN.. 1307..	13,12	7,94	12,70

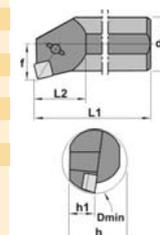


For more information see page: A.77

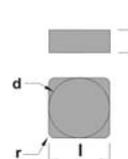
**CSKN 75°**



REF.	d	h1	L1	L2	f	h	Dmin	SN..	[Icons]					
<b>S32S CSKN R/L 12-7CD</b>	32	15,0	250	40	22	30	40	1207..	-	-	944	247	-	504
<b>S40T CSKN R/L 12-4CD</b>	40	18,5	300	67	27	37	70	1204..	ISSN-452	471	944	247	-	504
<b>S40T CSKN R/L 12-7CD</b>	40	18,5	300	67	27	37	70	1207..	ISSN-432	471	944	247	-	504
<b>S50U CSKN R/L 12-4CD</b>	50	23,5	350	67	35	47	70	1204..	ISSN-452	470	944	247	-	504
<b>S50U CSKN R/L 12-7CD</b>	50	23,5	350	67	35	47	70	1207..	ISSN-432	470	944	247	-	504
<b>S32S CSKN R/L 12-7CX</b>	32	15,0	250	40	22	30	40	1207..	-	-	-	-	245	504
<b>S40T CSKN R/L 12-4CX</b>	40	18,5	300	67	27	37	70	1204..	ISSN-452	471	-	-	245	504
<b>S40T CSKN R/L 12-7CX</b>	40	18,5	300	67	27	37	70	1207..	ISSN-432	471	-	-	245	504
<b>S50U CSKN R/L 12-4CX</b>	50	23,5	350	67	35	47	70	1204..	ISSN-452	470	-	-	245	504
<b>S50U CSKN R/L 12-7CX</b>	50	23,5	350	67	35	47	70	1207..	ISSN-432	470	-	-	245	504



REF.	l	s	d
SN.. 1204..	12,70	4,76	12,70
SN.. 1207..	12,70	7,94	12,70

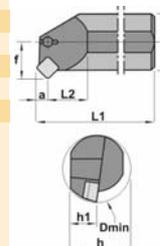


For more information see page: A.78

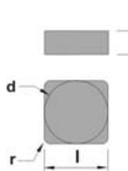
**CSSN 45°**



REF.	d	h1	L1	L2	f	h	Dmin	SN..	[Icons]					
<b>S32S CSSN R/L 12-7CD</b>	32	15,0	250	40	22	30	40	1207..	-	-	944	247	-	504
<b>S40T CSSN R/L 12-4CD</b>	40	18,5	300	50	27	37	70	1204..	ISSN-452	471	944	247	-	504
<b>S40T CSSN R/L 12-7CD</b>	40	18,5	300	50	27	37	70	1207..	ISSN-432	471	944	247	-	504
<b>S50U CSSN R/L 15-7CD</b>	50	23,5	350	50	32	47	70	1507..	ISSN-533	472	944	247	-	504
<b>S32S CSSN R/L 12-7CX</b>	32	15,0	250	40	22	30	40	1207..	-	-	-	-	245	504
<b>S40T CSSN R/L 12-4CX</b>	40	18,5	300	50	27	37	70	1204..	ISSN-452	471	-	-	245	504
<b>S40T CSSN R/L 12-7CX</b>	40	18,5	300	50	27	37	70	1207..	ISSN-432	471	-	-	245	504
<b>S50U CSSN R/L 15-7CX</b>	50	23,5	350	50	32	47	70	1507..	ISSN-533	472	-	-	245	504



REF.	l	s	d
SN.. 1204..	12,70	4,76	12,70
SN.. 1207..	12,70	7,94	12,70
SN.. 1507..	15,87	7,94	15,87



For more information see page: A.78

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Turning

Automatic lathes

Ceramic tools

Parting & grooving

Threading

Drills

Cartridges

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Milling cutters

Solid carbide

Boring heads

Arbors & adaptors

Inserts

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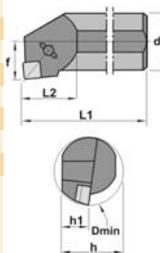
Boring heads

Arbors & adaptors

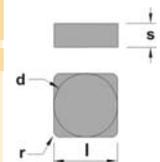
**CSYN 85°**



REF.	d	h1	L1	L2	f	h	Dmin	SN..						
<b>S32S CSYN R/L 12-7CD</b>	32	15,0	250	40	22	30	40	1207..	-	-	944	247	-	504
<b>S40T CSYN R/L 12-4CD</b>	40	18,5	300	67	27	37	70	1204..	ISSN-452	471	944	247	-	504
<b>S40T CSYN R/L 12-7CD</b>	40	18,5	300	67	27	37	70	1207..	ISSN-432	471	944	247	-	504
<b>S50U CSYN R/L 12-4CD</b>	50	23,5	350	67	35	47	70	1204..	ISSN-452	472	944	247	-	504
<b>S50U CSYN R/L 12-7CD</b>	50	23,5	350	67	35	47	70	1207..	ISSN-432	472	944	247	-	504
<b>S32S CSYN R/L 12-7CX</b>	32	15,0	250	40	22	30	40	1207..	-	-	-	-	245	504
<b>S40T CSYN R/L 12-4CX</b>	40	18,5	300	67	27	37	70	1204..	ISSN-452	471	-	-	245	504
<b>S40T CSYN R/L 12-7CX</b>	40	18,5	300	67	27	37	70	1207..	ISSN-432	471	-	-	245	504
<b>S50U CSYN R/L 12-4CX</b>	50	23,5	350	67	35	47	70	1204..	ISSN-452	472	-	-	245	504
<b>S50U CSYN R/L 12-7CD</b>	50	23,5	350	67	35	47	70	1207..	ISSN-432	472	-	-	245	504



REF.	l	s	d
<b>SN.. 1204..</b>	12,70	4,76	12,70
<b>SN.. 1207..</b>	12,70	7,94	12,70



For more information see page: A.78



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lathes

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tools

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grooving

Threading

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Brazed  
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Milling  
cutters

Solid  
carbide

Boring  
heads

Arbors &  
adaptors