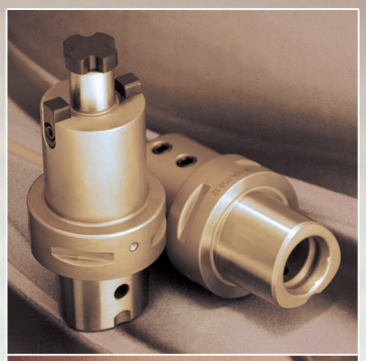
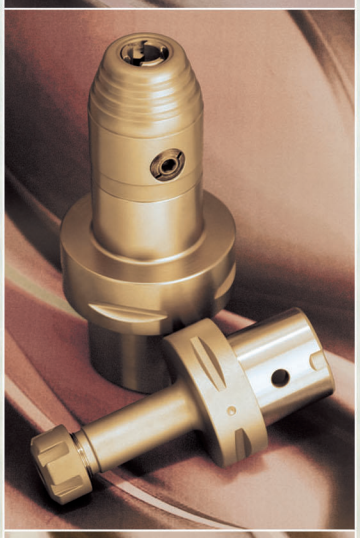
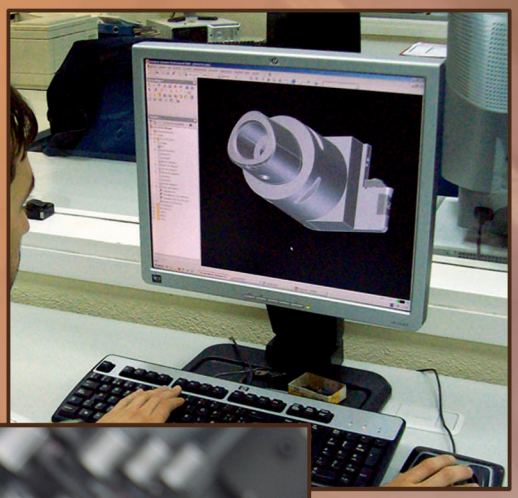
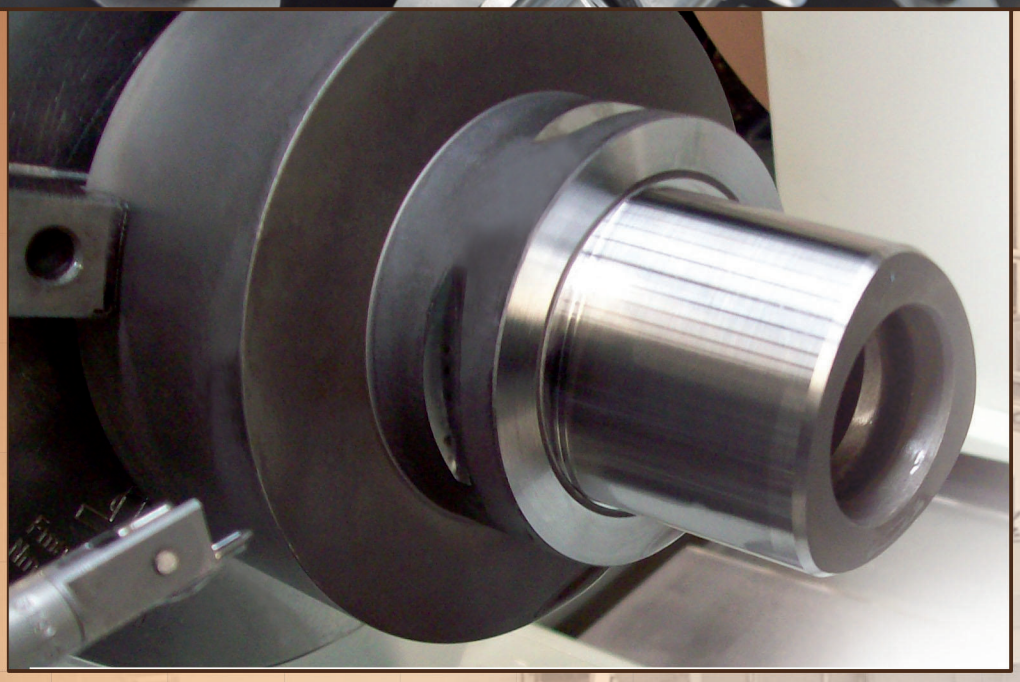
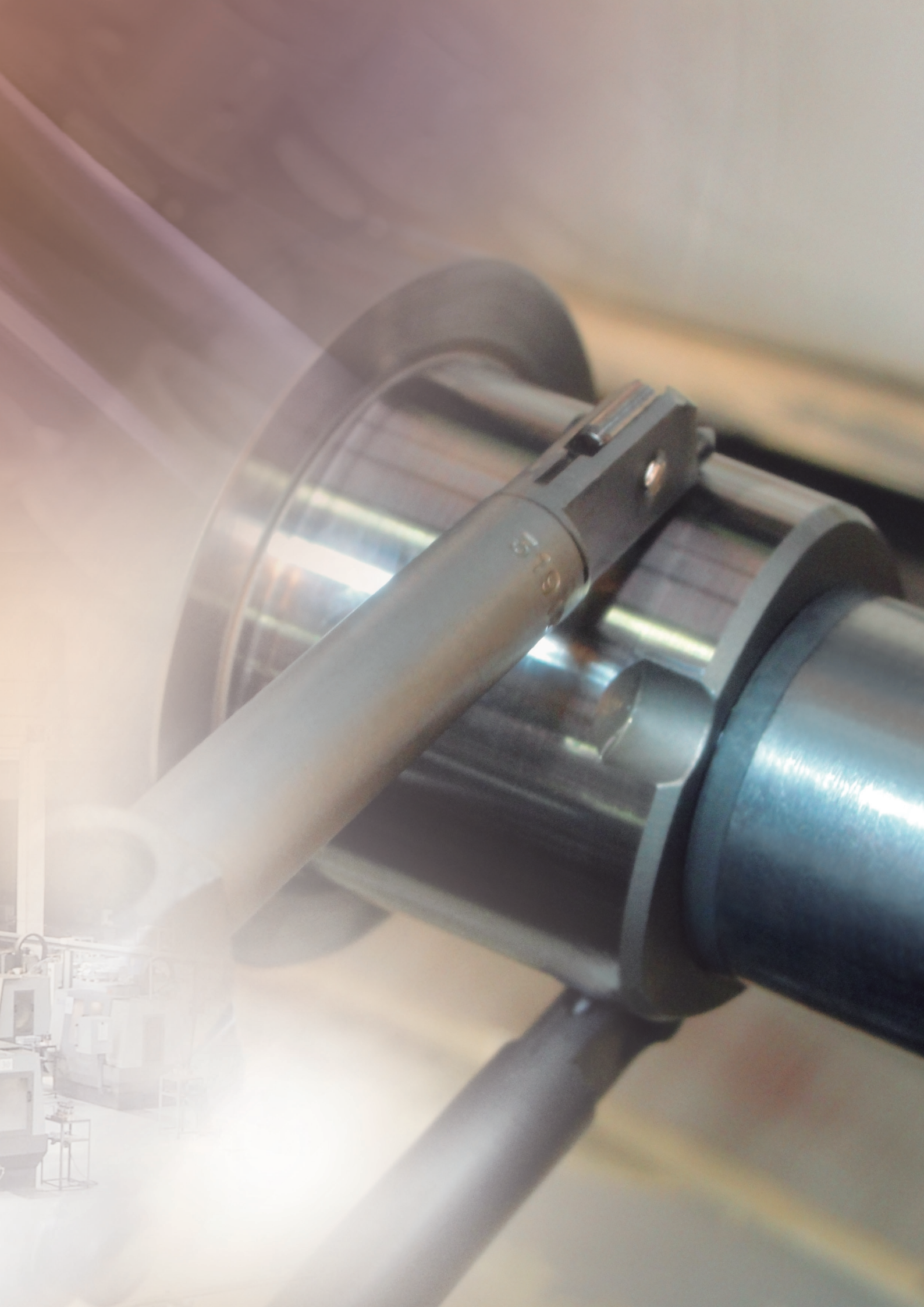




PSC







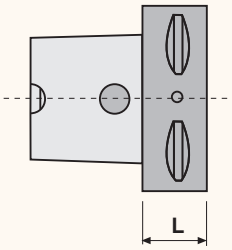
MANUFACTURED FROM FORGED PARTS

Material:
- Alloyed carburized steel at chrome-manganese 1.7131 (16MnCr5).

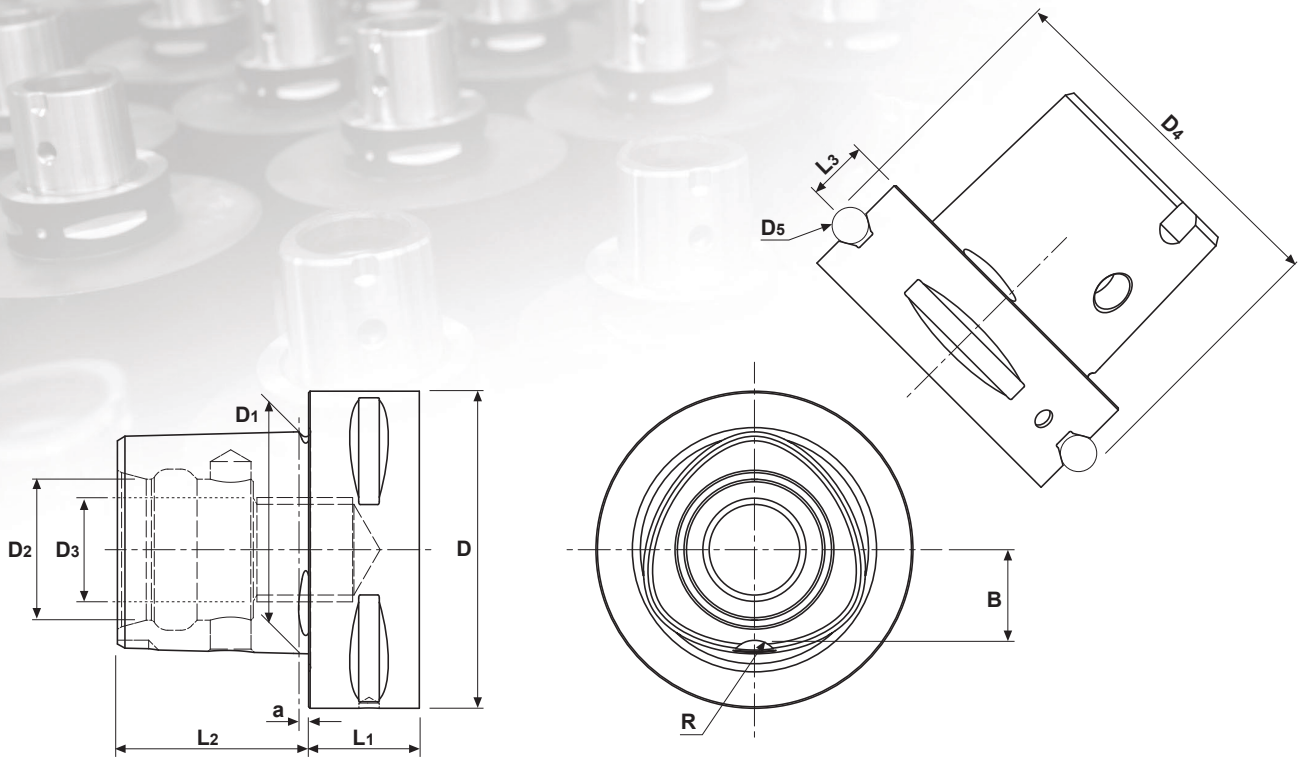
Execution:
- Carburized, hardness.
- Surface hardness HRC 58±2 (670±40 HV30)
- Depth minimum 0,5 mm.
- Tensile strength in core minimum 800 N/mm2 after carburizing.

Accuracy:
- Taper according to DIN 254
- Taper angle:
  tolerance AT 3 DIN 7178 part 1 and DIN 2080 part 1.
- Other tolerances according to DIN 7160 and 7168.
- Taper surface roughness RZ<0,001 mm.

Tolerance:
- Indicates the tolerance of size D surface between the real and the theoretical value of the taper conicity.
- This value of surface D must always be less (negative), never more (positive) in order to GUARANTEE a good toolholder fixation at the bigger taper diameter.

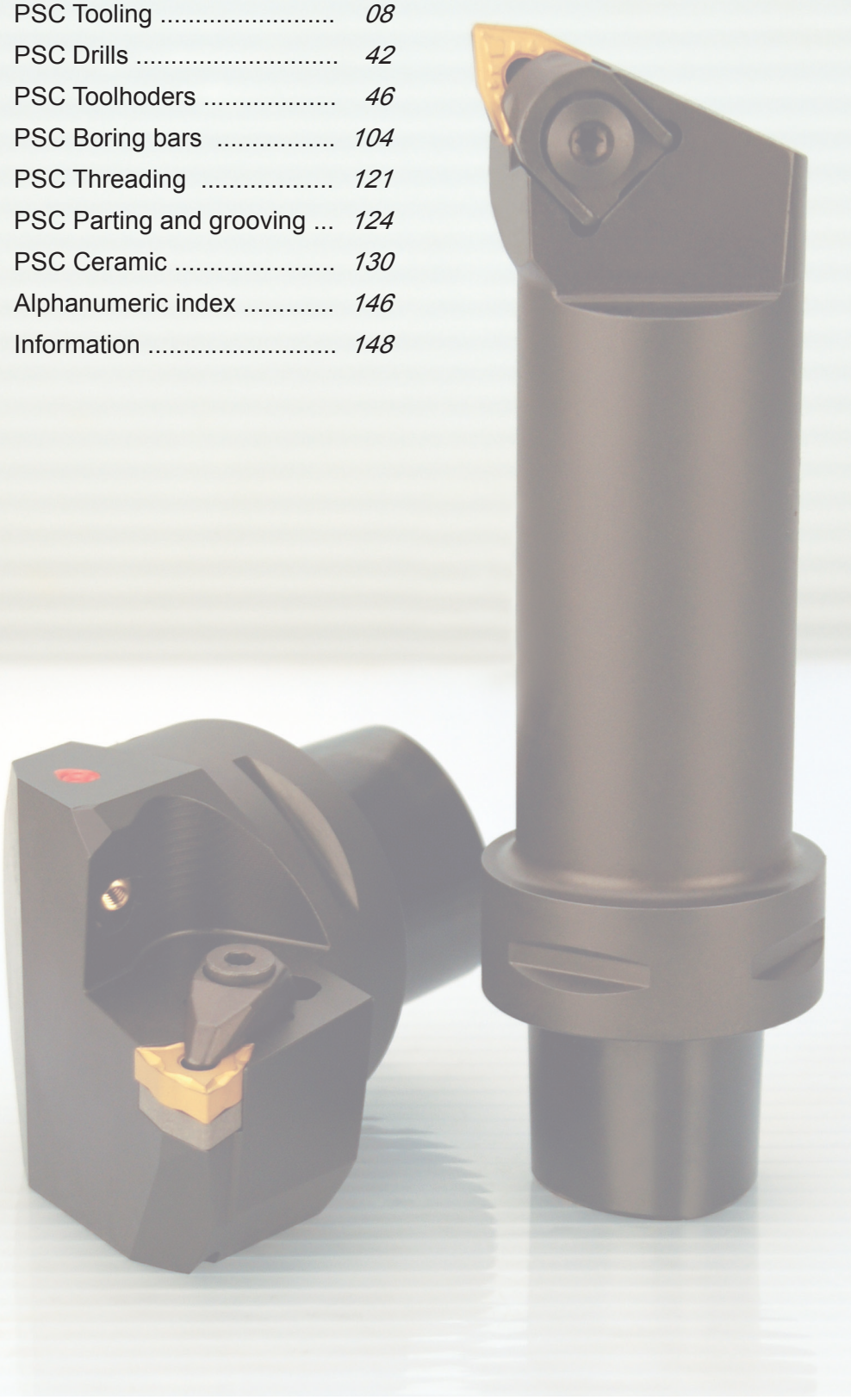


Continuing demand for higher productivity, better machining quality and lower tool cost is a challenge which we take seriously.
We have developed a full range of ISO 26623-1 PSC quick change cutting tools to fulfill all machining needs.

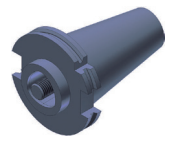


PSC	D	D1	D2	D3	D4	D5	L1 min	L2	L3	a	B	R
32	32	22	15	M12 x 1,5	39,0	5	15	19	6	2,5	9,0	3
40	40	28	18	M14 x 1,5	46,0	5	20	24	8	2,5	11,0	3
50	50	35	21	M16 x 1,5	59,3	7	20	30	10	3,0	14,0	4
63	63	44	28	M20 x 2,0	70,7	7	22	38	12	3,0	18,0	5
80	80	55	32	M20 x 2,0	86,0	7	30	48	12	3,0	22,2	6
100	100	72	43	M24 x 2,0	110,0	10	32	60	16	3,0	29,2	6

PSC



Arbors and adaptors

13.218

Page 36

16.218

Page 38

18.160

Page 08 metric / inch

18.180

Page 10 metric / inch

18.215

Page 12

18.218

Page 39

18.296

Page 13

18.306

Page 14 metric / inch

18.315

Page 20

18.400

Page 16 metric / inch

18.406

Page 18 metric / inch

18.453

Page 21

18.455

Page 22

18.470

Page 23

18.500

Page 24 metric / inch

18.510

Page 26 metric / inch

18.520

Page 28 metric / inch

18.530

Page 30 metric / inch

18.540

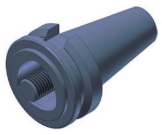
Page 32

18.550

Page 33

18.620

Page 34

23.218

Page 37

CAP

MC

Page 35 Manual CAP

AC

Page 35 Automatic CAP

Drills

45..

SPMT 0603.. .. SPMT 1204..
Page 42

Toolholders (Dimple clamp D)

DCKN 75º

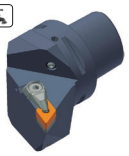
CN.. 1204.. CN.. 1606.. CN.. 1906..
Page 46

DCLN 95º

CN.. 0903.. .. CN.. 1906..
Page 47

DCRN 75º

CN.. 1204.. CN.. 1606.. CN.. 1906..
Page 48

DDHN 107º 30'

DN.. 1506..
Page 49

DDJN 93º

DN.. 1104.. DN.. 1506..
Page 50

DDNN 63º

DN.. 1104.. DN.. 1506..
Page 51

DDUN 93º

DN.. 1506..
Page 52

DRSN

RNMG 1204..
Page 53

DSDN 45º

SNM.. 1204.. SNM.. 1506.. SNM.. 1906..
Page 54

DSKN 75º

SNM.. 1204.. SNM.. 1506.. SNM.. 1906..
Page 55

DSRN 75º

SNM.. 1204.. SNM.. 1506.. SNM.. 1906..
Page 56

DSSN 45º

SNM.. 1204.. SNM.. 1506.. SNM.. 1906..
Page 57

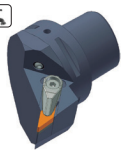
DTFN 90º

TNM.. 1604.. TNM.. 2204..
Page 58

DTGN 90º

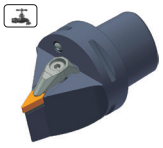
TNM.. 1604.. TNM.. 2204..
Page 59

DVJN 93º



Page 60 VN.. 1604..

DVVN 72º 30'



Page A61 VN.. 1604..

DWLN 95º

Page 62 WNMG 0604.. WNMG 0804..

Toolholders (Wedge clamp / Double lock M)

MCKN 75º

Page 63 CN.. 1204.. CN.. 1606.. CN.. 1906..

MCLN 95º

Page 64 CN.. 1204.. CN.. 1606.. CN.. 1906..

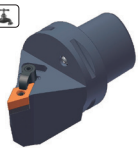
MCRN 75º

Page 65 CN.. 1204.. CN.. 1606.. CN.. 1906..

MDJN 93º

Page 66 DN.. 1104.. DN.. 1506..

MDNN 63º

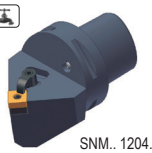


Page 67 DN.. 1104.. DN.. 1506..

MDUN 93º

Page 68 DN.. 1506..

MSDN 45º



Page 69 SNM.. 1204.. SNM.. 1506.. SNM.. 1906..

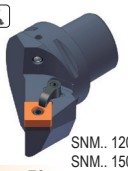
MSKN 75º

Page 70 SNM.. 1204.. SNM.. 1506.. SNM.. 1906..

MSRN 75º

Page 71 SNM.. 1204.. SNM.. 1506.. SNM.. 1906..

MSSN 45º



Page 72 SNM.. 1204.. SNM.. 1506.. SNM.. 1906..

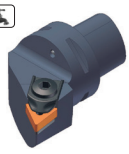
MTFN 90º

Page 73 TNM.. 1604..

MTGN 90º

Page 74 TNM.. 1604.. TNM.. 2204..

MTJN 93º



Page 75 TNM.. 1604.. TNM.. 2204..

MVJN 93º

Page A76 VN.. 1604..

MVVN 72º 30'

Page 77 VN.. 1604..

MWLN 95º

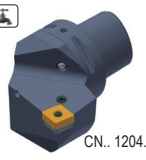
Page 78 WNMG 0604.. WNMG 0804..

Toolholders (Lever lock P)

PCLN 95º

Page 79 CN.. 1204.. .. CN.. 2509..

PCRN 75º



Page 80 CN.. 1204.. .. CN.. 1906..

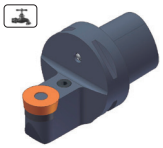
PDJN 93º

Page 81 DN.. 1504.. DN.. 1506..

PDUN 93º

Page 82 DN.. 1506..

PRDC

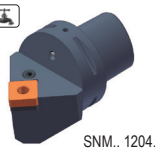


Page 83 RC.. 2507M0 RC.. 3209M0

PRSC

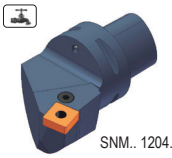
Page 84 RC.. 2006M0 RC.. 2507M0 RC.. 3209M0

PSDN 45º



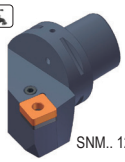
Page 85 SNM.. 1204.. .. SNM.. 2507..

PSKN 75º



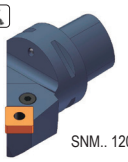
Page 86 SNM.. 1204.. .. SNM.. 2507..

PSRN 75º



Page 87 SNM.. 1204.. .. SNM.. 2507..

PSSN 45º



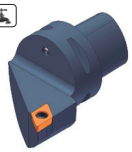
Page 88 SNM.. 1204.. .. SNM.. 2507..

Toolholders (Center screw S)

SCLC 95º

Page 89 — CC.. 09T3.. CC.. 1204..

SDJC 93º

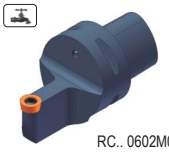


Page 90 — DC.. 0702.. DC.. 11T3..

SDNC 62º 30'

Page 91 — DC.. 11T3..

SRDC



Page 92 — RC.. 0602M0 .. RC.. 2006M0

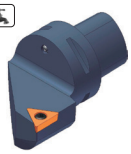
SRSC 45º

Page 93 — RC.. 0602M0 .. RC.. 2006M0

SSRC 75º

Page 94 — SC.. 1204..

STGC 90º



Page A95 — TC.. 1102.. TC.. 16T3..

STJC 93º

Page 96 — TC.. 1102.. TC.. 16T3..

SVHB 107º 30'

Page 97 — VBMT 1604..

SVHC 107º 30'

Page 98 — VC.. 1103.. VC.. 1604..

SVJB 93º

Page 99 — VBMT 1604..

SVJC 93º

Page 100 — VC.. 1103.. VC.. 1604..

SVVB 72º 30'

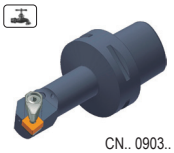
Page 101 — VBMT 1604..

SVVC 72º 30'

Page 102 — VC.. 1103.. VC.. 1604..

Boring bars (Dimple clamp D)

DCLN 95º

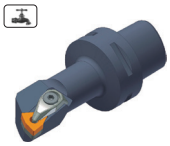


Page 104 — CN.. 0903.. .. CN.. 1606..

DDUN 93º

Page 105 — DN.. 1104.. DN.. 1506..

DWLN 95º



Page 106 — WNMG 0604.. WNMG 0804..

Boring bars (Wedge clamp / Double lock M)

MTFN 90º

Page 107 — TNM.. 1604..

MVUN 93º

Page 108 — VN.. 1604..

MWLN 95º

Page 109 — WNMG 0604.. WNMG 0804..

Boring bars (Lever lock P)

PCLN 95º

Page 110 — CN.. 0903.. CN.. 1204.. CN.. 1606..

PDUN 93º

Page 111 — DN.. 1104.. DN.. 1506..

PSKN 75º

Page 112 — SNM.. 1204..

Boring bars (Center screw S)

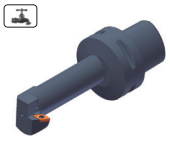
SCLC 95º

Page 113 — CC.. 09T3.. CC.. 1204..

SDUC 93º

Page 114 — DC.. 0702.. DC.. 11T3..

SDUC-X 93º



Page 115 — DC.. 0702..

SSKC 75º

Page 116 — SC.. 09T3..

STFC 90º

Page 117 — TC.. 1102.. TC.. 16T3..

SVQB 107º 30'

Page 118 — VBMT 1604..

SVQC 107º 30'

Page 119 — VC.. 1103.. VC.. 1604..

Threading

SE 90º

Page 121 16 ER/L 22 ER/L

SI 90º

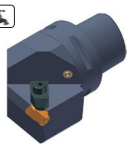
Page 122 16 NR/L 22 NR/L

Parting and grooving

CZCD

Page 124 WDM.. 2 .. WDM.. 6

NE 93º



Page 125 N.. 3

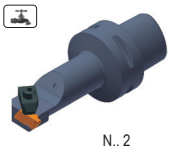
NR 45º

Page 126 N.. 3

NS 93º

Page 127 N.. 2 .. N.. 4

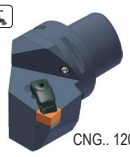
NNTO 93º



Page 128 N.. 2 .. N.. 4

Ceramic tools

CCKN 75º



Page 130 CNG.. 1204.. .. CNG.. 1907..

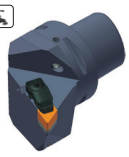
CCLN 95º

Page 131 CNG.. 1204.. .. CNG.. 1907..

CCRN 75º

Page 132 CNG.. 1204.. .. CNG.. 1907..

CDHN 107º 30'



Page 133 DNG.. 1507..

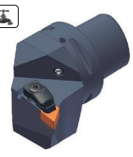
CDJN 93º

Page 134 DNG.. 1507..

CDNN 63º

Page 135 DNG.. 1507..

CDUN 93º



Page 136 DNG.. 1507..

CRSN

Page 137 RNGN 1204.. RNGN 1207..

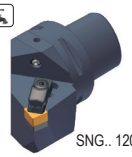
CSDN 45º

Page 138 SNG.. 1204.. SNG.. 1207..

CSKN 75º

Page 139 SNG.. 1204.. SNG.. 1207..

CSRN 75º



Page 140 SNG.. 1204.. .. SNG.. 1907..

CSSN 45º

Page 141 SNG.. 1204.. .. SNG.. 1907..

CTFN 90º

Page 142 TNGN 1604.. TNGN 1607..

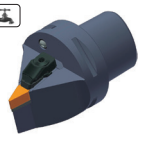
CTGN 90º

Page A143 TNGN 1604.. TNGN 1607..

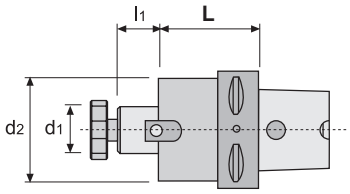
CVJN 93º

Page 144 VNGN 1604.. VNGN 1607..

CVVN 72º 30'

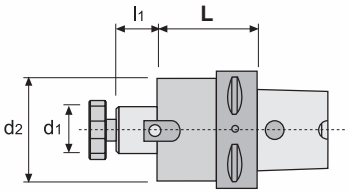


Page 145 VNGN 1604.. VNGN 1607..



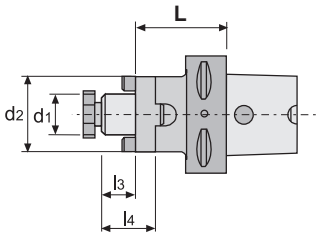
18.160

Ref.		PSC	d1	L	l1	d2				DIN 2079
	18.160.040.16	40	16	55	17	37	10008	86016	11103	-
	18.160.040.22	40	22	55	19	47	10010	86022	11004	-
	18.160.050.16	50	16	60	17	37	10008	86016	11103	-
	18.160.050.22	50	22	60	19	47	10010	86022	11004	-
	18.160.050.27	50	27	60	21	58	10012	86027	11005	-
	18.160.050.32	50	32	60	24	63	10016	86032	11105	-
	18.160.063.16	63	16	63	17	37	10008	86016	11103	-
	18.160.063.22	63	22	25	19	47	10010	86122	11004	-
	18.160.063.22/100	63	22	100	19	47	10010	86022	11004	-
	18.160.063.27	63	27	25	21	58	10012	86127	11005	-
	18.160.063.27/100	63	27	100	21	58	10012	86027	11005	-
	18.160.063.32	63	32	25	24	63	10016	86132	11105	-
	18.160.063.32/100	63	32	100	24	63	10016	86032	11105	-
	18.160.063.40	63	40	40	27	89	10020	80040	11006	-
	18.160.063.40/100	63	40	100	27	70	10020	86040	11006	-
	18.160.080.16	80	16	50	17	37	10008	86016	11103	-
	18.160.080.22	80	22	30	19	47	10010	86122	11004	-
	18.160.080.22/100	80	22	100	19	47	10010	86022	11004	-
	18.160.080.27	80	27	30	21	58	10012	86127	11005	-
	18.160.080.27/100	80	27	100	21	58	10012	86027	11005	-
	18.160.080.32	80	32	30	24	63	10016	86132	11105	-
	18.160.080.32/100	80	32	100	24	63	10016	86032	11105	-
	18.160.080.40	80	40	30	27	63	10020	86140	11006	-
	18.160.080.40/100	80	40	100	27	70	10020	86040	11006	-
	18.160.080.60	80	60	60	40	130	-	80060	11012	60
	18.160.100.16	100	16	50	17	37	10008	86016	11103	-
	18.160.100.22	100	22	50	19	47	10010	86022	11004	-
	18.160.100.22/100	100	22	100	19	47	10010	86022	11004	-
	18.160.100.27	100	27	50	21	58	10012	86027	11005	-
	18.160.100.27/100	100	27	100	21	58	10012	86027	11005	-
	18.160.100.32	100	32	50	24	63	10016	86032	11105	-
	18.160.100.32/100	100	32	100	24	63	10016	86032	11105	-
	18.160.100.40	100	40	50	27	63	10020	86040	11006	-
	18.160.100.40/100	100	40	100	27	63	10020	86040	11006	-
	18.160.100.60	100	60	70	40	130	-	80060	11012	60



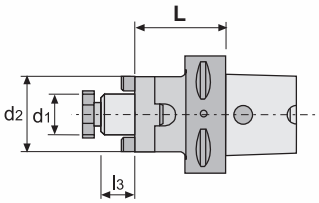
18.160

Ref.		PSC	d1	L	l1	d2				DIN 2079
	18.160.040.0075	40	0.750	2.165	0.709	1.575	10107	86207	11103	-
	18.160.040.0100	40	1.000	1.378	0.709	1.968	10110	86210	11004	-
	18.160.050.0075	50	0.750	2.756	0.709	1.693	10107	86207	11103	-
	18.160.050.0100	50	1.000	0.984	0.709	2.126	10110	86210	11004	-
	18.160.050.0125	50	1.250	1.575	0.709	2.480	10112	86212	11105	-
	18.160.050.0150	50	1.500	1.772	0.906	3.150	10115	86215	11006	-
	18.160.063.0075	63	0.750	1.181	0.709	2.047	10107	86207	11103	-
	18.160.063.0100	63	1.000	1.181	0.709	2.480	10110	86210	11004	-
	18.160.063.0125	63	1.250	1.181	0.709	2.559	10112	86212	11105	-
	18.160.063.0150	63	1.500	1.772	0.906	3.150	10115	86215	11006	-
	18.160.080.0075	80	0.750	1.181	0.709	2.047	10107	86207	11103	-
	18.160.080.0100	80	1.000	1.181	0.709	2.480	10110	86210	11004	-
	18.160.080.0125	80	1.250	1.181	0.709	2.835	10112	86212	11105	-
	18.160.080.0150	80	1.500	1.181	0.906	3.150	10115	86215	11006	-
	18.160.080.0200	80	2.000	2.362	1.142	5.118	-	86220	11008	
	18.160.080.0250	80	2.500	2.362	1.142	5.118	-	86225	11012	
	18.160.100.0150	100	1.500	1.575	0.906	3.543	10115	86215	11006	-
	18.160.100.0250	100	2.500	2.953	1.142	5.118	-	86225	11012	



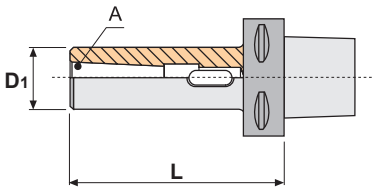
18.180

Ref.		PSC	d1	L	l3	l4	d2			
	18.180.040.16	40	16	50	17	27	32	10008	60116	88016
	18.180.040.22	40	22	50	19	31	40	10010	60122	88022
	18.180.050.16	50	16	50	17	27	32	10008	60116	88016
	18.180.050.22	50	22	50	19	31	40	10010	60122	88022
	18.180.050.27	50	27	50	21	33	48	10012	60127	88027
	18.180.050.32	50	32	60	24	38	58	10016	60132	88032
	18.180.063.16	63	16	90	17	27	32	10008	60116	88016
	18.180.063.22	63	22	90	19	31	40	10010	60122	88022
	18.180.063.27	63	27	90	21	33	48	10012	60127	88027
	18.180.063.32	63	32	90	24	38	58	10016	60132	88032
	18.180.063.40	63	40	90	27	41	70	10020	60140	88040
	18.180.080.16	80	16	100	17	27	32	10008	60116	88016
	18.180.080.22	80	22	100	19	31	40	10010	60122	88022
	18.180.080.27	80	27	100	21	33	48	10012	60127	88027
	18.180.080.32	80	32	100	24	38	58	10016	60132	88032
	18.180.080.40	80	40	100	27	41	70	10020	60140	88040
	18.180.080.50	80	50	100	30	46	90	10024	60150	88050
	18.180.100.16	100	16	100	17	27	32	10008	60116	88016
	18.180.100.22	100	22	100	19	31	40	10010	60122	88022
	18.180.100.27	100	27	100	21	33	48	10012	60127	88027
	18.180.100.32	100	32	100	24	38	58	10016	60132	88032
	18.180.100.40	100	40	100	27	41	70	10020	60140	88040
	18.180.100.50	100	50	100	30	46	90	10024	60150	88050



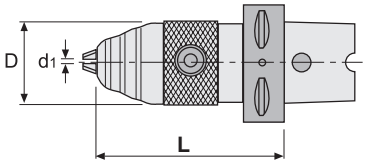
18.180

Ref.		PSC	d1	L	l3	d2			
	18.180.040.0100	40	1.000	1.969	0.984	1.575	10110	60210	88110
	18.180.040.0125	40	1.250	2.362	1.378	1.969	10112	60212	88112
	18.180.050.0100	50	1.000	1.969	0.984	1.693	10110	60210	88210
	18.180.050.0125	50	1.250	2.362	0.984	1.969	10112	60212	88212
	18.180.050.0150	50	1.500	2.362	1.181	2.244	10115	60215	88215
	18.180.063.0100	63	1.000	1.969	1.181	1.693	10110	60210	88210
	18.180.063.0125	63	1.250	2.362	0.984	1.890	10112	60212	88212
	18.180.063.0150	63	1.500	2.362	0.984	2.205	10115	60215	88215
	18.180.080.0100	80	1.000	1.969	1.181	1.693	10110	60210	88210
	18.180.080.0125	80	1.250	2.362	1.181	1.890	10112	60212	88212
	18.180.080.0150	80	1.500	2.362	1.181	2.205	10115	60215	88215
	18.180.080.0200	80	2.000	2.362	1.181	2.756	10120	60220	88220
	18.180.080.0250	80	2.500	2.362	1.575	3.346	10125	60225	88225



18.215

Ref.		PSC	D_1	A	L
	18.215.050.02	50	32	MK2	110
	18.215.050.03	50	40	MK3	130
	18.215.063.02	63	32	MK2	110
	18.215.063.03	63	40	MK3	130
	18.215.063.04	63	52	MK4	150
	18.215.080.03	80	40	MK3	120
	18.215.080.04	80	52	MK4	145
	18.215.080.05	80	63	MK5	180
	18.215.100.03	100	40	MK3	130
	18.215.100.04	100	52	MK4	150
	18.215.100.05	100	63	MK5	175

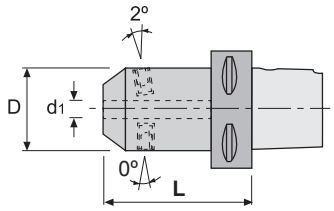


18.296

Ref.		PSC	D	d1	L
	18.296.040.13	40	50	0.5 - 13	112
	18.296.050.13	50	50	0.5 - 13	112
	18.296.063.13	63	50	0.5 - 13	112
	18.296.063.16	63	57	3.0 - 16	112
	18.296.080.13	80	50	0.5 - 13	125
	18.296.080.16	80	57	3.0 - 16	125
	18.296.100.13	100	50	0.5 - 13	135
	18.296.100.16	100	57	3.0 - 16	135

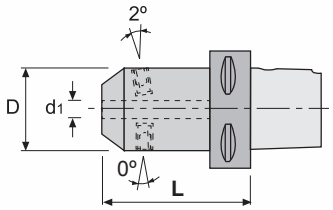
*** SUPPLIED WITH WRENCH**

Ref.			3 x 
	18.296.040.13	50706	60313
	18.296.050.13	50706	60313
	18.296.063.13	50706	60313
	18.296.063.16	50706	60313
	18.296.080.13	50706	60313
	18.296.080.16	50706	60313
	18.296.100.13	50706	60313
	18.296.100.16	50706	60313



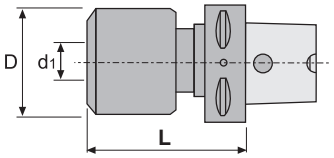
18.306

Ref.		PSC	d1	D	L	2 x
	18.306.040.06	40	06	25	50	15106
	18.306.040.08	40	08	28	50	15108
	18.306.040.10	40	10	35	50	15110
	18.306.040.12	40	12	42	55	15212
	18.306.040.16	40	16	48	55	15314
	18.306.050.06	50	06	25	55	15106
	18.306.050.08	50	08	28	55	15108
	18.306.050.10	50	10	35	65	15110
	18.306.050.12	50	12	42	65	15212
	18.306.050.14	50	14	42	65	15212
	18.306.050.16	50	16	48	65	15314
	18.306.050.18	50	18	48	65	15314
	18.306.050.20	50	20	52	65	15216
	18.306.050.25	50	25	65	80	4 x 15218
	18.306.063.06	63	06	25	80	15106
	18.306.063.08	63	08	28	80	15108
	18.306.063.10	63	10	35	80	15110
	18.306.063.12	63	12	42	80	15212
	18.306.063.14	63	14	42	80	15212
	18.306.063.16	63	16	48	80	15314
	18.306.063.18	63	18	48	80	15314
	18.306.063.20	63	20	52	80	15216
	18.306.063.25	63	25	65	90	4 x 15218
	18.306.063.32	63	32	72	90	4 x 15220
	18.306.063.40	63	40	80	95	4 x 15220
	18.306.080.06	80	06	25	80	15106
	18.306.080.08	80	08	28	80	15108
	18.306.080.10	80	10	35	80	15110
	18.306.080.12	80	12	42	80	15212
	18.306.080.14	80	14	42	80	15212
	18.306.080.16	80	16	48	80	15314
	18.306.080.20	80	20	52	80	15216
	18.306.080.25	80	25	65	90	4 x 15218
	18.306.080.32	80	32	72	90	4 x 15220
	18.306.080.40	80	40	80	110	4 x 15220
	18.306.080.50	80	50	100	120	4 x 15024
	18.306.100.12	100	12	42	100	15212
	18.306.100.16	100	16	48	100	15314
	18.306.100.20	100	20	52	100	15216
	18.306.100.25	100	25	65	100	4 x 15218
	18.306.100.32	100	32	72	100	4 x 15220
	18.306.100.40	100	40	80	120	4 x 15220
	18.306.100.50	100	50	100	130	4 x 15024



18.306

Ref.		PSC	d1	D	L	2 x
	18.306.040.0037	40	0.375	1.000	2.008	15403
	18.306.040.0050	40	0.500	1.250	2.205	15405
	18.306.040.0062	40	0.625	1.625	2.165	15406
	18.306.040.0075	40	0.750	1.752	2.362	15407
	18.306.050.0037	50	0.375	1.000	2.165	15403
	18.306.050.0050	50	0.500	1.250	2.362	15405
	18.306.050.0062	50	0.625	1.625	2.362	15406
	18.306.050.0075	50	0.750	1.752	2.362	15407
	18.306.050.0087	50	0.875	1.969	2.953	15408
	18.306.050.0100	50	1.000	2.248	3.346	4 x 15410
	18.306.050.0125	50	1.250	2.480	3.347	4 x 15412
	18.306.063.0037	63	0.375	1.000	2.362	15403
	18.306.063.0050	63	0.500	1.250	2.362	15405
	18.306.063.0062	63	0.625	1.625	2.560	15406
	18.306.063.0075	63	0.750	1.752	2.560	15407
	18.306.063.0087	63	0.875	1.969	2.560	15408
	18.306.063.0100	63	1.000	2.248	3.347	4 x 15410
	18.306.063.0125	63	1.250	2.480	3.347	4 x 15412
	18.306.063.0150	63	1.500	2.756	3.543	4 x 15412
	18.306.080.0037	80	0.375	1.000	2.756	15403
	18.306.080.0050	80	0.500	1.248	2.756	15405
	18.306.080.0062	80	0.625	1.614	2.756	15406
	18.306.080.0075	80	0.750	1.752	2.953	15407
	18.306.080.0087	80	0.875	1.968	3.150	15408
	18.306.080.0100	80	1.000	2.248	3.150	4 x 15410
	18.306.080.0125	80	1.250	2.480	3.150	4 x 15412
	18.306.080.0150	80	1.500	2.756	3.346	4 x 15412
	18.306.080.0200	80	2.000	3.681	4.528	4 x 15420

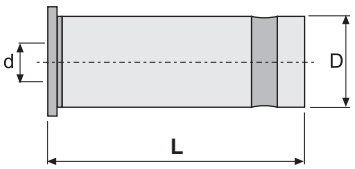


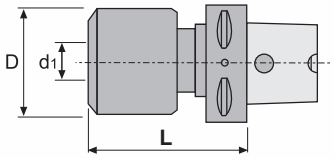
18.400

Ref.		PSC	d1	D	L
	18.400.063.20	63	20	54	93
	18.400.080.20	80	20	72	89
	18.400.080.32	80	32	72	101
	18.400.100.32	100	32	72	120

COMPLEMENTS (Collets type C)

Ref.		d	D	L
	C2006	6	20	55
	C2008	8	20	55
	C2010	10	20	55
	C2012	12	20	55
	C2016	16	20	55
	C3206	6	32	65
	C3208	8	32	65
	C3210	10	32	65
	C3212	12	32	65
	C3216	16	32	65
	C3220	20	32	65
	C3225	25	32	65



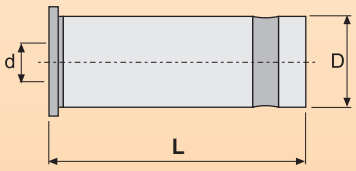


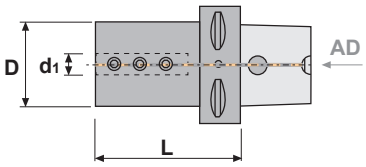
18.400

		PSC	d1	D	L
Ref.	18.400.063.0075	63	0.750	2.125	3.661
	18.400.080.0075	80	0.750	2.834	3.503
	18.400.080.0125	80	1.250	2.834	3.976
	18.400.100.0125	100	1.250	2.834	4.724

COMPLEMENTS (Collets type C)

		d	D	L
Ref.	C2006	0.236	0.787	2.165
	C2008	0.314	0.787	2.165
	C2010	0.393	0.787	2.165
	C2012	0.472	0.787	2.165
	C2016	0.629	0.787	2.165
	C3206	0.236	0.259	2.559
	C3208	0.314	0.259	2.559
	C3210	0.393	0.259	2.559
	C3212	0.472	0.259	2.559
	C3216	0.629	0.259	2.559
	C3220	0.787	0.259	2.559
	C3225	0.984	0.259	2.559

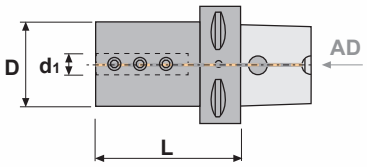




18.406

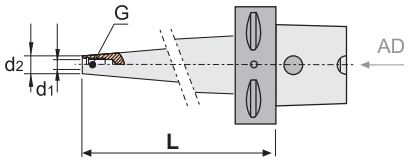
3 x 

Ref.		PSC	d1	D	L	
	18.406.040.08	40	08	44	50	14206
	18.406.040.10	40	10	44	50	14208
	18.406.040.12	40	12	44	50	14208
	18.406.040.16	40	16	44	50	14210
	18.406.050.08	50	08	44	52	14206
	18.406.050.10	50	10	44	52	14208
	18.406.050.12	50	12	44	52	14208
	18.406.050.16	50	16	44	52	14210
	18.406.050.20	50	20	50	52	14210
	18.406.050.25	50	25	55	60	14210
	18.406.063.08	63	08	44	60	14206
	18.406.063.10	63	10	44	60	14208
	18.406.063.12	63	12	44	60	14208
	18.406.063.16	63	16	44	60	14210
	18.406.063.20	63	20	50	60	14210
	18.406.063.25	63	25	55	60	14210
	18.406.063.32	63	32	72	75	14210
	18.406.063.40	63	40	98	75	14210
	18.406.080.16	80	16	44	85	14210
	18.406.080.20	80	20	50	85	14210
	18.406.080.25	80	25	55	85	14210
	18.406.080.32	80	32	72	85	14310
	18.406.080.40	80	40	98	95	14310
	18.406.080.50	80	50	98	100	14310
	18.406.100.16	100	16	44	100	14210
	18.406.100.20	100	20	50	100	14210
	18.406.100.25	100	25	55	100	14210
	18.406.100.32	100	32	72	100	14310
	18.406.100.40	100	40	98	110	14310
	18.406.100.50	100	50	98	120	14310



18.406

Ref.		PSC	d1	D	L	3 x
	18.406.040.0025	40	0.250	1.420	1.970	14302
	18.406.040.0037	40	0.375	1.420	1.970	14303
	18.406.040.0050	40	0.500	1.420	1.970	14303
	18.406.040.0062	40	0.625	1.420	1.970	14306
	18.406.040.0075	40	0.750	1.420	2.360	14306
	18.406.040.0100	40	1.000	2.284	3.583	14306
	18.406.050.0037	50	0.375	1.420	2.360	14303
	18.406.050.0050	50	0.500	1.420	2.360	14303
	18.406.050.0062	50	0.625	1.420	2.360	14306
	18.406.050.0075	50	0.750	1.420	2.360	14306
	18.406.050.0100	50	1.000	2.130	2.760	14306
	18.406.050.0150	50	1.500	2.870	4.528	14306
	18.406.063.0037	63	0.375	1.420	2.560	14303
	18.406.063.0050	63	0.500	1.420	2.560	14303
	18.406.063.0062	63	0.625	1.420	2.560	14306
	18.406.063.0075	63	0.750	1.420	2.660	14306
	18.406.063.0100	63	1.000	2.130	2.950	14306
	18.406.063.0150	63	1.500	2.870	4.130	14306
	18.406.080.0062	80	0.625	1.420	3.350	14306
	18.406.080.0075	80	0.750	1.420	3.350	14306
	18.406.080.0100	80	1.000	2.130	3.350	14306
	18.406.080.0150	80	1.500	2.870	3.350	14306



18.315

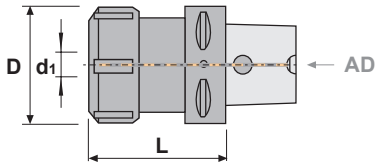
Ref.		PSC	L	d1	d2
	18.315.040.08	40	70	M8	13
	18.315.040.10	40	80	M10	18
	18.315.040.12	40	80	M12	21
	18.315.050.08	50	70	M8	13
	18.315.050.10	50	80	M10	18
	18.315.050.12	50	80	M12	21
	18.315.050.16	50	80	M16	29
	18.315.063.08	63	70	M8	13
	18.315.063.10	63	90	M10	18
	18.315.063.12	63	100	M12	21
	18.315.063.16	63	100	M16	29
	18.315.080.12	80	100	M12	21
	18.315.080.16	80	100	M16	29
	18.315.100.12	100	120	M12	21
	18.315.100.16	100	120	M16	29

ACCESSORIES

Ref.		
	06.315	Front contact extensions for modular tools.
	06.315	Front contact reducers for modular tools.

06.315

06.315



18.453

Ref.		PSC		L	d1	D		
	18.453.040.16	40	ER16	60	0,5-10	28	45316	50216
	18.453.040.20	40	ER20	60	1-13	34	45320	50220
	18.453.040.25	40	ER25	60	1-16	42	45325	50225
	18.453.040.32	40	ER32	60	2-20	50	45332	50232
	18.453.050.16	50	ER16	60	0,5-10	28	45316	50216
	18.453.050.16/100	50	ER16	100	0,5-10	28	45316	50216
	18.453.050.20	50	ER20	60	1-13	34	45320	50220
	18.453.050.20/100	50	ER20	100	1-13	34	45320	50220
	18.453.050.25	50	ER25	60	1-16	42	45325	50225
	18.453.050.25/100	50	ER25	100	1-16	42	45325	50225
	18.453.050.32	50	ER32	60	2-20	50	45332	50232
	18.453.050.32/100	50	ER32	100	2-20	50	45332	50232
	18.453.050.40	50	ER40	65	3-30	63	45340	50240
	18.453.050.40/100	50	ER40	100	3-30	63	45340	50240
	18.453.063.16	63	ER16	60	0,5-10	28	45316	50216
	18.453.063.16/100	63	ER16	100	0,5-10	28	45316	50216
	18.453.063.20	63	ER20	60	1-13	34	45320	50220
	18.453.063.20/100	63	ER20	100	1-13	34	45320	50220
	18.453.063.25	63	ER25	60	1-16	42	45325	50225
	18.453.063.25/100	63	ER25	100	1-16	42	45325	50225
	18.453.063.32	63	ER32	60	2-20	50	45332	50232
	18.453.063.32/100	63	ER32	100	2-20	50	45332	50232
	18.453.063.40	63	ER40	70	3-30	63	45340	50240
	18.453.063.40/120	63	ER40	120	3-30	63	45340	50240
	18.453.080.32	80	ER32	70	2-20	50	45332	50232
	18.453.080.32/160	80	ER32	160	2-20	50	45332	50232
	18.453.080.40	80	ER40	70	3-30	63	45340	50240
	18.453.080.40/160	80	ER40	160	3-30	63	45340	50240
	18.453.100.32	100	ER32	100	2-20	50	45332	50232
	18.453.100.32/160	100	ER32	160	2-20	50	45332	50232
	18.453.100.40	100	ER40	100	3-30	63	45340	50240
	18.453.100.40/160	100	ER40	160	3-30	63	45340	50240
	18.453.100.50	100	ER50	100	6-34	78	45350	50250
	18.453.100.50/160	100	ER50	160	6-34	78	45350	50250

*** SUPPLIED WITHOUT WRENCH**

ACCESSORIES

Ref.		
	ERXX	Collets double slot DIN 6499 - Form B (ER)
	ERCXX	Sealed collets DIN 6499 (ER)
	ERTXX	Collets DIN 6499 - Form Mexin (ER)
	40.453..	Collet chucks for DIN 6499 (ER) collets
	40.455..	Long collet chucks for DIN 6499 (ER) collets

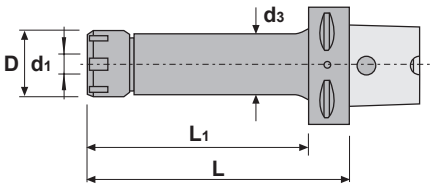

ERXX


ERCXX


ERTXX


40.453..


40.455..



18.455

Ref.		PSC		d1	L	D	L1	d3			
	18.455.063.16	63	ER16	0,5-10	60	22	-	-	45516	50916	19210
	18.455.063.16/100	63	ER16	0,5-10	100	22	78	30	45516	50916	19210
	18.455.063.20	63	ER20	1-13	60	28	-	-	45520	50920	19212
	18.455.063.20/100	63	ER20	1-13	100	28	78	30	45520	50920	19212

*** SUPPLIED WITHOUT WRENCH**

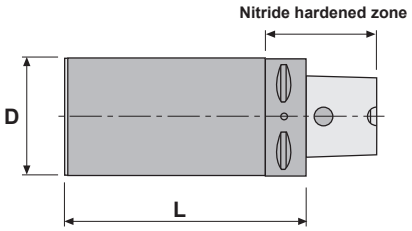
ACCESSORIES

Ref.		
	ERXX	Collets double slot DIN 6499 - Form B (ER)
	ERCXX	Sealed collets DIN 6499 (ER)
	ERTXX	Collets DIN 6499 - Form Mexin (ER)

ERXX

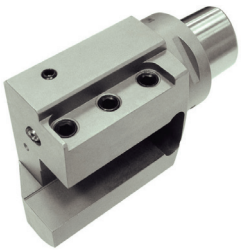
ERCXX

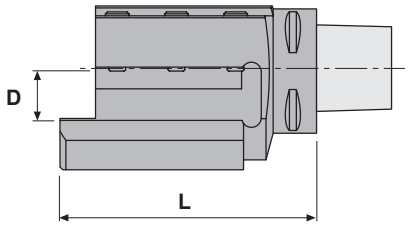
ERTXX



18.470

Ref.		PSC	D	L
	18.470.032.032/090	32	32	90
	18.470.032.060/090	32	60	90
	18.470.032.040/110	32	40	110
	18.470.032.050/125	32	50	125
	18.470.032.070/060	32	70	60
	18.470.032.090/070	32	90	70
	18.470.040.040/095	40	40	95
	18.470.040.040/120	40	40	120
	18.470.040.060/165	40	60	165
	18.470.040.080/075	40	80	75
	18.470.040.080/120	40	80	120
	18.470.040.100/085	40	100	85
	18.470.050.050/125	50	50	125
	18.470.050.050/150	50	50	150
	18.470.050.075/175	50	75	175
	18.470.050.090/080	50	90	80
	18.470.050.095/150	50	95	150
	18.470.050.063/180	50	63	180
	18.470.050.110/090	50	110	90
	18.470.063.110/120	63	110	120
	18.470.063.063/180	63	63	180
	18.470.063.075/195	63	75	195
	18.470.063.110/085	63	110	85
	18.470.063.120/180	63	120	180
	18.470.063.130/095	63	130	95
	18.470.080.080/200	80	80	200
	18.470.080.100/200	80	100	200
	18.470.080.120/160	80	120	160
	18.470.080.130/090	80	130	90
	18.470.080.145/200	80	145	200
	18.470.080.150/200	80	150	200
	18.470.100.100/100	100	100	100
	18.470.100.100/200	100	100	200
	18.470.100.150/100	100	150	100
	18.470.100.150/200	100	150	200
	18.470.100.200/100	100	200	100

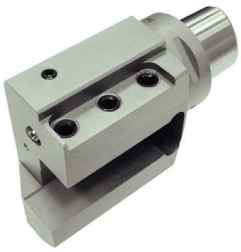


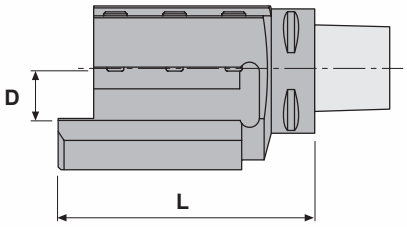


18.500

Ref.		PSC	Type	D	L
	18.500.050.20 R/L	50	Turning toolholder for square tool left/right hand	20	98
	18.500.063.20 R/L	63		20	100
	18.500.063.25 R/L	63		25	130
	18.500.063.32 R/L	63		32	134
	18.500.080.32 R/L	80		32	140
	18.500.100.32 R/L	100		32	160

Ref.			
	18.500.050.20 R/L	17010	29708
	18.500.063.20 R/L	17110	29708
	18.500.063.25 R/L	17012	29708
	18.500.063.32 R/L	17012	29708
	18.500.080.32 R/L	17012	29710
	18.500.100.32 R/L	17012	29710

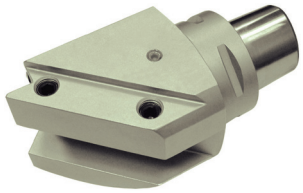


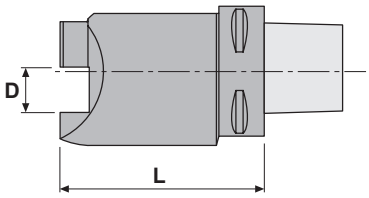


18.500

Ref.		PSC	Type	D	L
	18.500.050.0075 R/L	50	Turning toolholder for square tool left/right hand	0.750	3.858
	18.500.063.0075 R/L	63		0.750	3.937
	18.500.063.0100 R/L	63		1.000	5.118
	18.500.080.0125 R/L	80		1.250	5.512

Ref.			
	18.500.050.0075 R/L	17207	29708
	18.500.063.0075 R/L	17207	29708
	18.500.063.0100 R/L	17210	29708
	18.500.080.0150 R/L	17210	29710

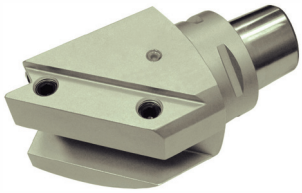


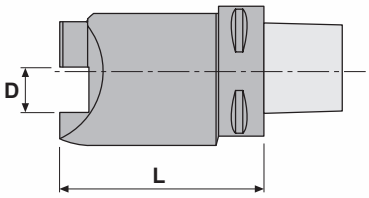


18.510

Ref.		PSC	Type	D	L
	18.510.050.20 R/L	50	Turning toolholder for square tool left/right hand	20	100
	18.510.063.20 R/L	63		20	100
	18.510.063.25 R/L	63		25	130
	18.510.080.32 R/L	80		32	135
	18.510.100.32 R/L	100		32	145

Ref.			
	18.510.050.20 R/L	17110	29708
	18.510.063.20 R/L	17110	29708
	18.510.063.25 R/L	17012	29708
	18.510.080.32 R/L	17012	29710
	18.510.100.32 R/L	17012	29710

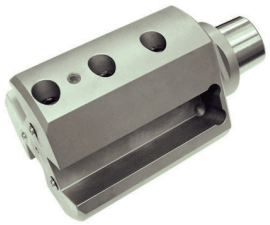


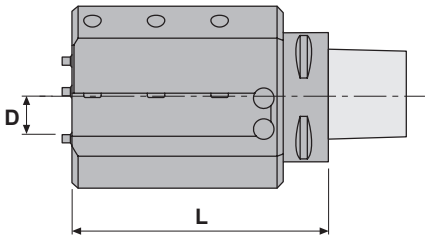


18.510

Ref.		PSC	Type	D	L
	18.510.050.0075 R/L	50	Turning toolholder for square tool left/right hand	0.750	3.791
	18.510.063.0075 R/L	63		0.750	3.870
	18.510.080.0125 R/L	80		1.250	5.307

Ref.			
	18.510.050.0075 R/L	17207	29708
	18.510.063.0075 R/L	17207	29708
	18.510.080.0125 R/L	17212	29710

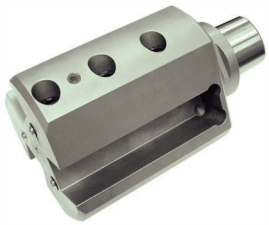


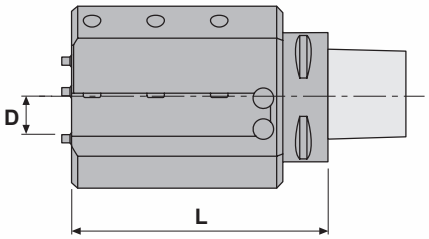


18.520

Ref.		PSC	Type	D	L
	18.520.050.20 R/L	50	Multi purpose square toolholder	20	100
	18.520.063.20 R/L	63		20	125
	18.520.063.25 R/L	63		25	130
	18.520.080.32 R/L	80		32	150
	18.520.100.32 R/L	100		32	160

Ref.			
	18.520.050.20 R/L	17012	29708
	18.520.063.20 R/L	17012	29708
	18.520.063.25 R/L	17012	29708
	18.520.080.32 R/L	17012	29710
	18.520.100.32 R/L	17012	29710

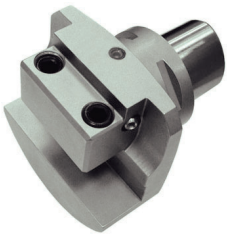


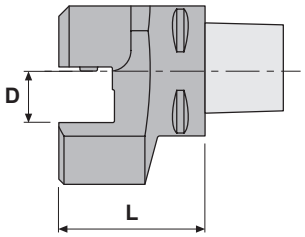


18.520

Ref.		PSC	Type	D	L
	18.520.050.0075 R/L	50	Multi purpose square toolholder	0.750	4.842
	18.520.063.0075 R/L	63		0.750	4.921
	18.520.080.0125 R/L	80		1.250	5.906

Ref.			
	18.520.050.0075 R/L	17207	29708
	18.520.063.0075 R/L	17207	29708
	18.520.080.0125 R/L	17212	29710

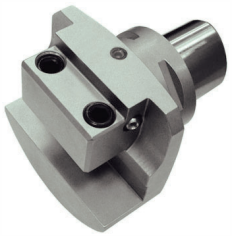


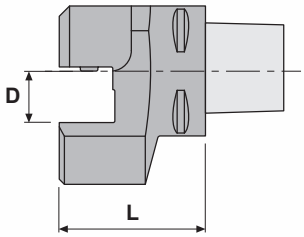


18.530

Ref.		PSC	Type	D	L
	18.530.050.20	50	Multi purpose square toolholder	20	58
	18.530.063.20	63		20	60
	18.530.063.25	63		25	71
	18.530.063.32	63		32	71
	18.530.080.32	80		32	85
	18.530.100.32	100		32	90

Ref.			
	18.530.050.20	17112	29708
	18.530.063.20	17112	29708
	18.530.063.25	17012	29708
	18.530.063.32	17012	29708
	18.530.080.32	17012	29710
	18.530.100.32	17012	29710

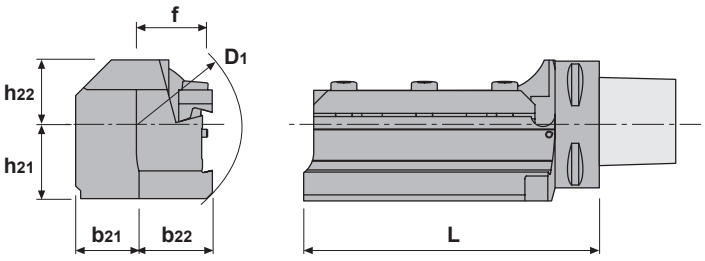




18.530

		PSC	Type	D	L
Ref.	**18.530.050.0075**	50	Multi purpose square toolholder	0.750	2.244
	18.530.063.0075	63		0.750	2.323
	18.530.063.0100	63		1.000	2.795
	18.530.080.0125	80		1.250	3.337

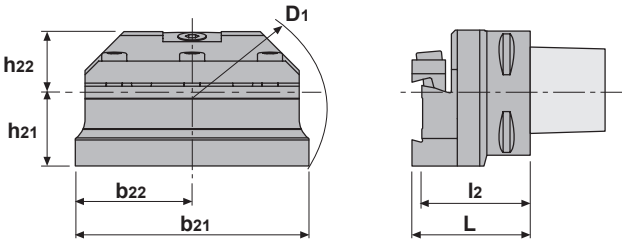
			
Ref.	**18.530.050.0075**	17307	29708
	18.530.063.0075	17307	29708
	18.530.063.0100	17207	29708
	18.530.080.0125	17207	29710



18.540

Ref.		PSC	D1	b21	b22	f	h21	h22	L
	18.540.050.26 R/L	50	87	25.5	31.0	26.0	30.0	26.0	95
	18.540.063.32 R/L	63	106	32.0	37.0	32.0	38.0	32.0	147
	18.540.080.32 R/L	80	122	40.0	45.5	40.5	40.5	40.5	155
	18.540.100.32 R/L	100	160	50.0	55.5	50.5	60.5	50.0	175
	18.540.100.52 R/L	100	180	50.0	55.5	50.5	65.5	50.0	300

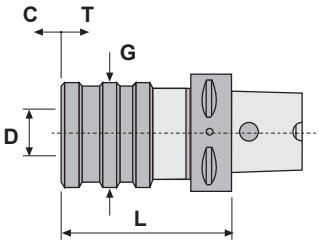
Ref.			
	18.540.050.26 R/L	80526	11308
	18.540.063.32 R/L	80632	11308
	18.540.080.32 R/L	80632	11308
	18.540.100.32 R/L	80632	11308
	18.540.100.52 R/L	81052	11308



18.550

Ref.		PSC	D1	b21	b22	h21	h22	L	l2
	18.550.050.26	50	100	80	40.0	30.0	25.2	58	53
	18.550.063.32	63	141	120	60.0	37.0	32.0	60	55
	18.550.080.32	80	145	120	60.0	40.5	40.0	68	63
	18.550.100.32	100	145	120	60.0	40.5	40.0	83	78
	18.550.100.52	100	165	135	67.5	65.5	50.0	83	78

Ref.			
	18.550.050.26	80526	11308
	18.550.063.32	81632	11308
	18.550.080.32	81632	11308
	18.550.100.32	81632	11308
	18.550.100.52	81052	11308



18.620

		PSC	G Nº.	G Ø		L	D	C	T		
Ref.	**18.620.040.12**	40	1	19	M3-M12	65	38	9	9	710XX	750XX
	18.620.050.12	50	1	19	M3-M12	65	38	9	9	710XX	750XX
	18.620.063.12	63	1	19	M3-M12	70	38	9	9	710XX	750XX
	18.620.063.20	63	2	31	M8-M20	95	55	15	15	720XX	760XX
	18.620.063.33	63	3	48	M14-M33	140	79	24	24	730XX	770XX
	18.620.080.12	80	1	19	M3-M12	80	38	9	9	710XX	750XX
	18.620.080.20	80	2	31	M8-M20	100	55	15	15	720XX	760XX
	18.620.080.33	80	3	48	M14-M33	150	79	24	24	730XX	770XX
	18.620.100.12	100	1	19	M3-M12	90	38	9	9	710XX	750XX
	18.620.100.20	100	2	31	M8-M20	110	55	15	15	720XX	760XX
	18.620.100.33	100	3	48	M14-M33	160	79	24	24	730XX	770XX

COMPENSATION IN COMPRESSION (C) AND TENSION (T)

ACCESSORIES

Ref.		
	710XX..730XX	Quick change adpaters without overload clutch.
	750XX..770XX	Quick change adpaters with overload clutch.

710XX..730XX

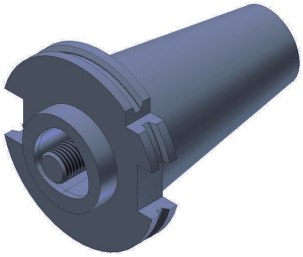
750XX..770XX

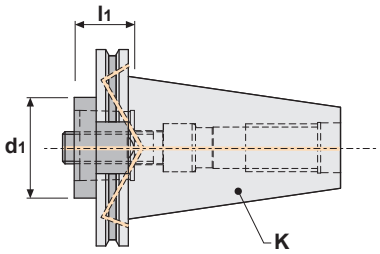
MC

Ref.		Manual CAP
	PSC32-MC	32
	PSC40-MC	40
	PSC50-MC	50
	PSC63-MC	63
	PSC80-MC	80

AC

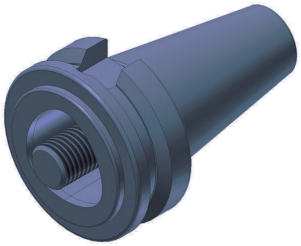
Ref.		Automatic CAP
	PSC40-AC	40
	PSC50-AC	50
	PSC63-AC	63
	PSC80-AC	80

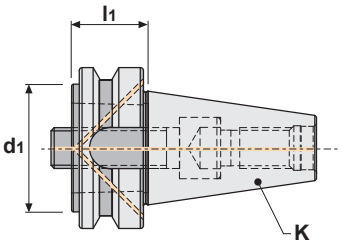




13.218

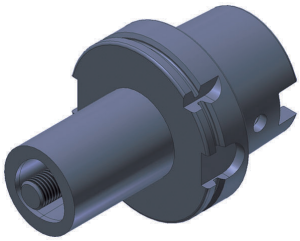
Ref.		K ISO	PSC	d1	l1
	13.218.30.32/030	30	32	32	30
	13.218.30.32/060	30	32	32	60
	13.218.40.32/030	40	32	32	30
	13.218.40.32/060	40	32	32	60
	13.218.50.32/030	50	32	32	30
	13.218.50.32/060	50	32	32	60
	13.218.40.40/030	40	40	40	30
	13.218.40.40/060	40	40	40	60
	13.218.50.40/030	50	40	40	30
	13.218.50.40/060	50	40	40	60
	13.218.40.50/030	40	50	50	30
	13.218.40.50/070	40	50	50	70
	13.218.50.50/030	50	50	50	30
	13.218.50.50/070	50	50	50	70
	13.218.40.63/085	40	63	63	85
	13.218.50.63/030	50	63	63	30
	13.218.50.63/080	50	63	63	80
	13.218.50.80/070	50	80	80	70
	13.218.50.80/120	50	80	80	120

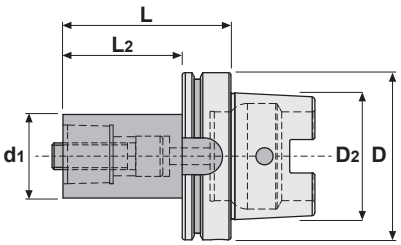




23.218

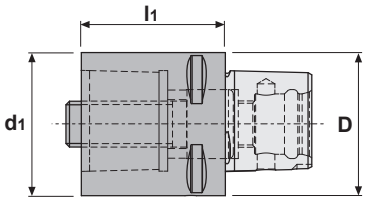
Ref.		K ISO	PSC	d1	l1
	23.218.30.32/030	30	32	30	30
	23.218.30.32/060	30	32	30	60
	23.218.40.32/030	40	32	40	30
	23.218.40.32/060	40	32	40	60
	23.218.50.32/040	50	32	50	40
	23.218.50.32/070	50	32	50	70
	23.218.40.40/030	40	40	40	30
	23.218.40.40/060	40	40	40	60
	23.218.50.40/040	50	40	50	40
	23.218.50.40/070	50	40	50	70
	23.218.40.50/030	40	50	40	30
	23.218.40.50/070	40	50	40	70
	23.218.50.50/040	50	50	50	40
	23.218.50.50/080	50	50	50	80
	23.218.40.63/075	40	63	40	75
	23.218.50.63/040	50	63	50	40
	23.218.50.63/090	50	63	50	90
	23.218.50.80/070	50	80	50	70
	23.218.50.80/120	50	80	50	120



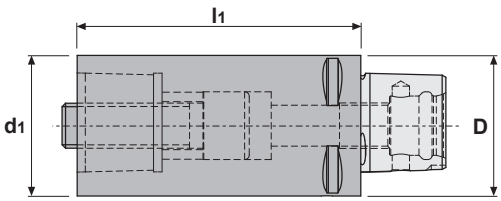


16.218

Ref.		HSK	PSC	d_1	D	D_2	L	L_2
	16.218.63.32/075	63	32	32	63	48	75	49
	16.218.100.32/080	100	32	32	100	75	80	51
	16.218.63.40/080	63	40	40	63	48	80	54
	16.218.100.40/090	100	40	40	100	75	90	61
	16.218.63.50/090	63	50	50	63	48	90	64
	16.218.100.50/100	100	50	50	100	75	100	71
	16.218.100.63/110	100	63	63	100	75	110	81
	16.218.100.80/120	100	80	80	100	75	120	91



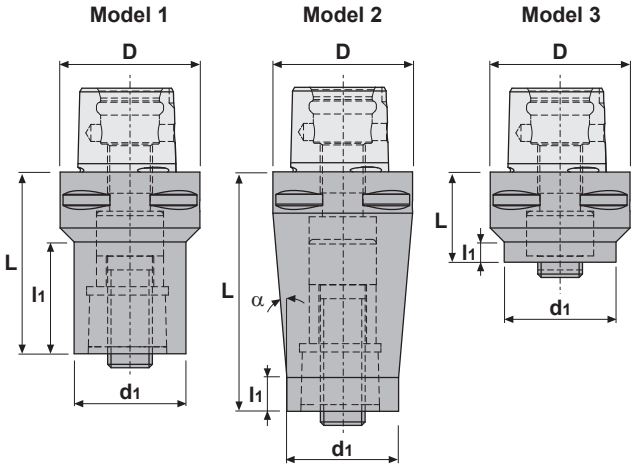
Model 1



Model 2

18.218

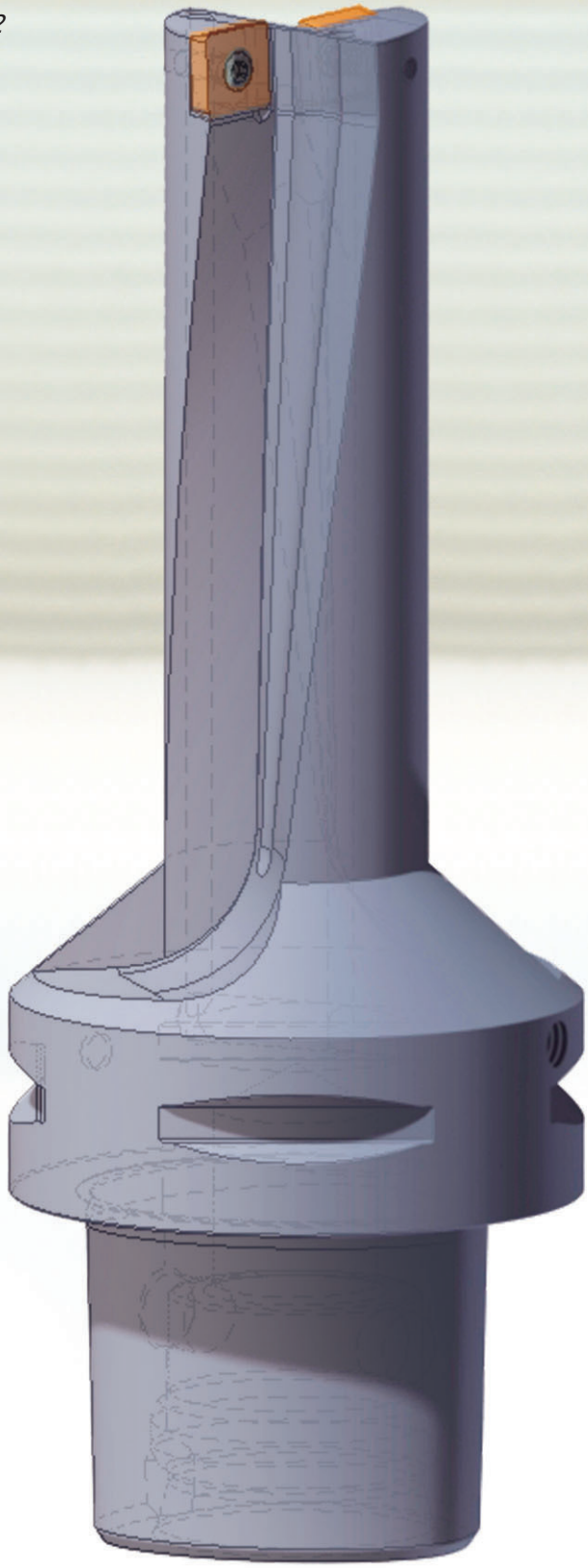
Ref.		Model	Side PSC / Machine	d1	D	l1
	18.218.32.32/035	1	32	32	32	35
	18.218.32.32/060	2	32	32	32	60
	18.218.32.32/080	2	32	32	32	80
	18.218.40.40/040	1	40	40	40	40
	18.218.40.40/060	2	40	40	40	60
	18.218.40.40/080	2	40	40	40	80
	18.218.50.50/050	1	50	50	50	50
	18.218.50.50/080	2	50	50	50	80
	18.218.50.50/100	2	50	50	50	100
	18.218.63.63/060	1	63	63	63	60
	18.218.63.63/100	2	63	63	63	100
	18.218.63.63/140	2	63	63	63	140
	18.218.80.80/065	1	80	80	80	65
	18.218.80.80/100	2	80	80	80	100
	18.218.80.80/125	2	80	80	80	125

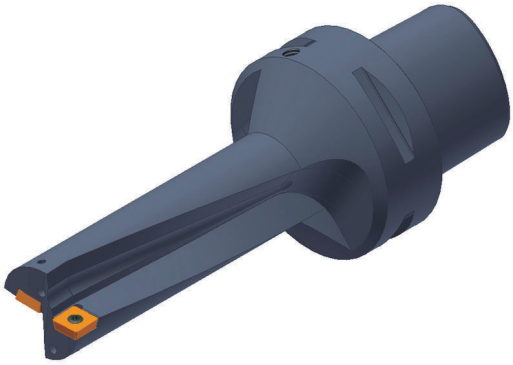


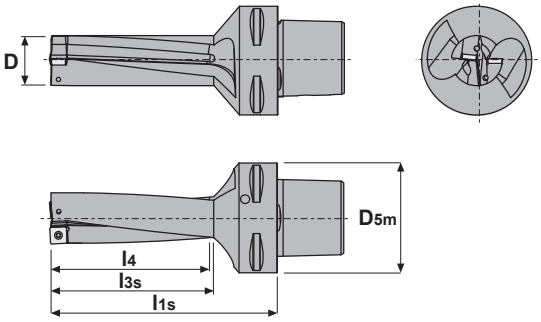
18.218

Ref.		Model	Side Machine	Side PSC	D	d1	L	l1	α
	18.218.40.32/055	1	40	32	40	32	55	31.0	-
	18.218.40.32/070	2	40	32	40	32	70	12.0	6.0°
	18.218.50.32/060	1	50	32	50	32	60	34.8	-
	18.218.50.40/065	1	50	40	50	40	65	40.0	-
	18.218.50.40/085	2	50	40	50	40	85	12.0	5.4°
	18.218.50.32/033	3	50	32	50	32	33	10.0	-
	18.218.50.40/040	3	50	40	50	40	40	18.0	-
	18.218.63.32/070	1	63	32	63	32	70	39.0	-
	18.218.63.40/080	1	63	40	63	40	80	51.4	-
	18.218.63.50/080	1	63	50	63	50	80	51.5	-
	18.218.63.50/110	2	63	50	63	50	110	12.0	4.9°
	18.218.63.32/032	3	63	32	63	32	32	6.0	
	18.218.63.40/040	3	63	40	63	40	40	11.0	
	18.218.63.50/050	3	63	50	63	50	50	26.5	
	18.218.80.32/060	1	80	32	80	32	60	29.3	-
	18.218.80.40/070	1	80	40	80	40	70	36.5	-
	18.218.80.50/080	1	80	50	80	50	80	49.3	-
	18.218.80.63/080	1	80	63	80	63	80	53.1	-
	18.218.80.63/120	2	80	63	80	63	120	12.0	6.2°
	18.218.80.50/045	3	80	50	80	50	45	10.0	-
	18.218.80.63/055	3	80	63	80	63	55	20.0	-

PSC Drills



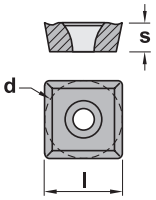




45..

Characteristics:
PSC with internal coolant.

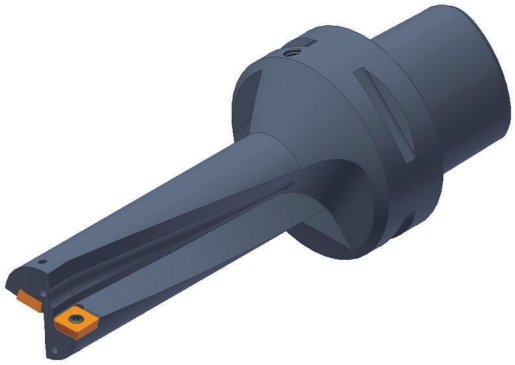
Ref.		D5m	D	l1s	l3s	l4	Radial Adj. Dmax	Insert		
	PSC40-4514.15	40	15	82	48	45	+0,40➲15,8	SPMT 0603..	1225	5507
	PSC40-4514.16	40	16	86	51	48	+0,30➲16,6	SPMT 0603..	1225	5507
	PSC40-4514.17	40	17	89	54	51	+0,60➲18,2	SPMT 0603..	1225	5507
	PSC40-4514.17,5	40	17,5	92	56	53	+0,50➲18,5	SPMT 0603..	1225	5507
	PSC40-4514.18	40	18	93	57	54	+0,40➲18,8	SPMT 0603..	1225	5507
	PSC40-4514.18,5	40	18,5	95	59	56	+0,40➲19,3	SPMT 0603..	1225	5507
	PSC40-4514.19	40	19	96	60	57	+0,30➲19,6	SPMT 0603..	1225	5507
	PSC40-4514.20	40	20	101	64	60	+0,90➲21,8	SPMT 0603..	1225	5507
	PSC40-4524.21	40	21	104	66	63	+0,80➲22,6	SPMT 0703..	1225	5507
	PSC40-4524.22	40	22	107	69	66	+0,60➲23,2	SPMT 0703..	1225	5507
	PSC40-4524.23	40	23	111	72	69	+0,50➲24,0	SPMT 0703..	1225	5507
	PSC40-4524.24	40	24	115	76	72	+1,10➲26,2	SPMT 0703..	1225	5507
	PSC40-4524.25	40	25	119	79	75	+1,00➲27,0	SPMT 0703..	1225	5507
	PSC40-4534.26	40	26	122	81	78	+0,90➲27,8	SPMT 0903..	1230	5508
	PSC40-4534.27	40	27	125	84	81	+0,70➲28,4	SPMT 0903..	1230	5508
	PSC40-4534.28	40	28	129	87	84	+0,60➲29,2	SPMT 0903..	1230	5508
	PSC40-4534.29	40	29	132	90	87	+0,50➲30,0	SPMT 0903..	1230	5508
	PSC40-4534.30	40	30	137	94	90	+1,12➲32,2	SPMT 0903..	1230	5508

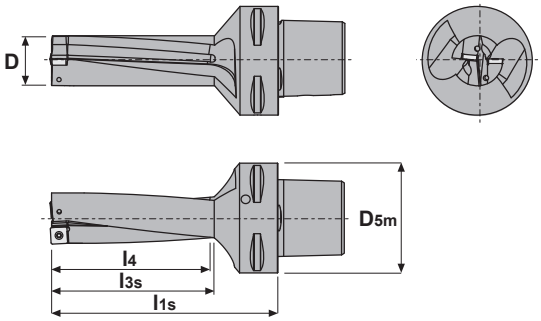


Ref.	SPMT	l	s	d
	SPMT 060304	6,35	3,18	6,35
	SPMT 070308	7,94	3,18	7,94
	SPMT 090308	9,52	3,18	9,52

Positive 11 º clearance - Square inserts.

SPMT						
						

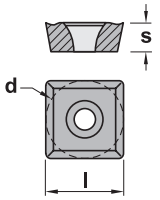




45..

Characteristics:
PSC with internal coolant.

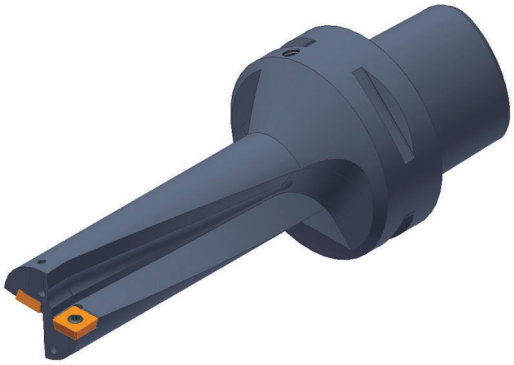
Ref.		D5m	D	l1s	l3s	l4	Radial Adj. Dmax	Insert		
	PSC50-4514.15	50	15	82	48	45	+0,40➲15,8	SPMT 0603..	1225	5507
	PSC50-4514.16	50	16	86	51	48	+0,30➲16,6	SPMT 0603..	1225	5507
	PSC50-4514.17	50	17	89	54	51	+0,60➲18,2	SPMT 0603..	1225	5507
	PSC50-4514.17,5	50	17,5	92	56	53	+0,50➲18,5	SPMT 0603..	1225	5507
	PSC50-4514.18	50	18	93	57	54	+0,40➲18,8	SPMT 0603..	1225	5507
	PSC50-4514.18,5	50	18,5	95	59	56	+0,40➲19,3	SPMT 0603..	1225	5507
	PSC50-4514.19	50	19	96	60	57	+0,30➲19,6	SPMT 0603..	1225	5507
	PSC50-4514.20	50	20	101	64	60	+0,90➲21,8	SPMT 0603..	1225	5507
	PSC50-4524.21	50	21	104	66	63	+0,80➲22,6	SPMT 0703..	1225	5507
	PSC50-4524.22	50	22	107	69	66	+0,60➲23,2	SPMT 0703..	1225	5507
	PSC50-4524.23	50	23	111	72	69	+0,50➲24,0	SPMT 0703..	1225	5507
	PSC50-4524.24	50	24	115	76	72	+1,10➲26,2	SPMT 0703..	1225	5507
	PSC50-4524.25	50	25	119	79	75	+1,00➲27,0	SPMT 0703..	1225	5507
	PSC50-4534.26	50	26	122	81	78	+0,90➲27,8	SPMT 0903..	1230	5508
	PSC50-4534.27	50	27	125	84	81	+0,70➲28,4	SPMT 0903..	1230	5508
	PSC50-4534.28	50	28	129	87	84	+0,60➲29,2	SPMT 0903..	1230	5508
	PSC50-4534.29	50	29	132	90	87	+0,50➲30,0	SPMT 0903..	1230	5508
	PSC50-4534.30	50	30	137	94	90	+1,12➲32,2	SPMT 0903..	1230	5508
	PSC50-4534.31	50	31	141	97	93	+0,99➲33,0	SPMT 0903..	1230	5508
	PSC50-4534.32	50	32	144	100	96	+0,87➲33,7	SPMT 0903..	1230	5508
	PSC50-4534.33	50	33	148	103	99	+0,75➲34,5	SPMT 0903..	1230	5508
	PSC50-4534.34	50	34	151	106	102	+0,62➲35,2	SPMT 0903..	1230	5508
	PSC50-4544.35	50	35	155	109	105	+0,50➲36,0	SPMT 1204..	1250	5520
	PSC50-4544.36	50	36	159	112	108	+1,38➲38,8	SPMT 1204..	1250	5520
	PSC50-4544.37	50	37	162	115	111	+1,25➲39,5	SPMT 1204..	1250	5520
	PSC50-4544.38	50	38	166	118	114	+1,13➲40,2	SPMT 1204..	1250	5520
	PSC50-4544.39	50	39	169	121	117	+1,00➲41,0	SPMT 1204..	1250	5520
	PSC50-4544.40	50	40	173	124	120	+0,88➲41,8	SPMT 1204..	1250	5520
	PSC50-4544.41	50	41	177	127	123	+0,75➲42,5	SPMT 1204..	1250	5520
	PSC50-4544.42	50	42	186	130	126	+0,63➲43,2	SPMT 1204..	1250	5520
	PSC50-4544.43	50	43	190	133	129	+0,50➲44,0	SPMT 1204..	1250	5520

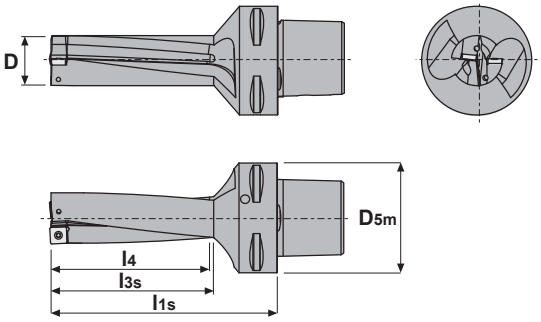


Ref.	SPMT	l	s	d
	SPMT 060304	6,35	3,18	6,35
	SPMT 070308	7,94	3,18	7,94
	SPMT 090308	9,52	3,18	9,52
	SPMT 120408	12,70	4,76	12,70

Positive 11 º clearance - Square inserts.

SPMT						
						

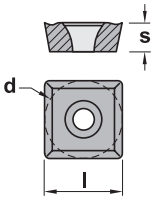




45..

Characteristics:
PSC with internal coolant.

Ref.		D5m	D	l1s	l3s	l4	Radial Adj. Dmax	Insert		
	PSC63-4514.15	63	15	84	48	45	+0,40➲15,8	SPMT 0603..	1225	5507
	PSC63-4514.16	63	16	88	51	48	+0,30➲16,6	SPMT 0603..	1225	5507
	PSC63-4514.17	63	17	91	54	51	+0,60➲18,2	SPMT 0603..	1225	5507
	PSC63-4514.17,5	63	17,5	94	56	53	+0,50➲18,5	SPMT 0603..	1225	5507
	PSC63-4514.18	63	18	95	57	54	+0,40➲18,8	SPMT 0603..	1225	5507
	PSC63-4514.18,5	63	18,5	97	59	56	+0,40➲19,3	SPMT 0603..	1225	5507
	PSC63-4514.19	63	19	98	60	57	+0,30➲19,6	SPMT 0603..	1225	5507
	PSC63-4514.20	63	20	103	64	60	+0,90➲21,8	SPMT 0603..	1225	5507
	PSC63-4524.21	63	21	106	66	63	+0,80➲22,6	SPMT 0703..	1225	5507
	PSC63-4524.22	63	22	109	69	66	+0,60➲23,2	SPMT 0703..	1225	5507
	PSC63-4524.23	63	23	113	72	69	+0,50➲24,0	SPMT 0703..	1225	5507
	PSC63-4524.24	63	24	117	76	72	+1,10➲26,2	SPMT 0703..	1225	5507
	PSC63-4524.25	63	25	121	79	75	+1,00➲27,0	SPMT 0703..	1225	5507
	PSC63-4534.26	63	26	124	81	78	+0,90➲27,8	SPMT 0903..	1230	5508
	PSC63-4534.27	63	27	127	84	81	+0,70➲28,4	SPMT 0903..	1230	5508
	PSC63-4534.28	63	28	131	87	84	+0,60➲29,2	SPMT 0903..	1230	5508
	PSC63-4534.29	63	29	134	90	87	+0,50➲30,0	SPMT 0903..	1230	5508
	PSC63-4534.30	63	30	139	94	90	+1,12➲32,2	SPMT 0903..	1230	5508
	PSC63-4534.31	63	31	143	97	93	+0,99➲33,0	SPMT 0903..	1230	5508
	PSC63-4534.32	63	32	146	100	96	+0,87➲33,7	SPMT 0903..	1230	5508
	PSC63-4534.33	63	33	150	103	99	+0,75➲34,5	SPMT 0903..	1230	5508
	PSC63-4534.34	63	34	153	106	102	+0,62➲35,2	SPMT 0903..	1230	5508
	PSC63-4544.35	63	35	157	109	105	+0,50➲36,0	SPMT 1204..	1250	5520
	PSC63-4544.36	63	36	161	112	108	+1,38➲38,8	SPMT 1204..	1250	5520
	PSC63-4544.37	63	37	164	115	111	+1,25➲39,5	SPMT 1204..	1250	5520
	PSC63-4544.38	63	38	168	118	114	+1,13➲40,2	SPMT 1204..	1250	5520
	PSC63-4544.39	63	39	171	121	117	+1,00➲41,0	SPMT 1204..	1250	5520
	PSC63-4544.40	63	40	175	124	120	+0,88➲41,8	SPMT 1204..	1250	5520
	PSC63-4544.41	63	41	179	127	123	+0,75➲42,5	SPMT 1204..	1250	5520
	PSC63-4544.42	63	42	182	130	126	+0,63➲43,2	SPMT 1204..	1250	5520
	PSC63-4544.43	63	43	186	133	129	+0,50➲44,0	SPMT 1204..	1250	5520

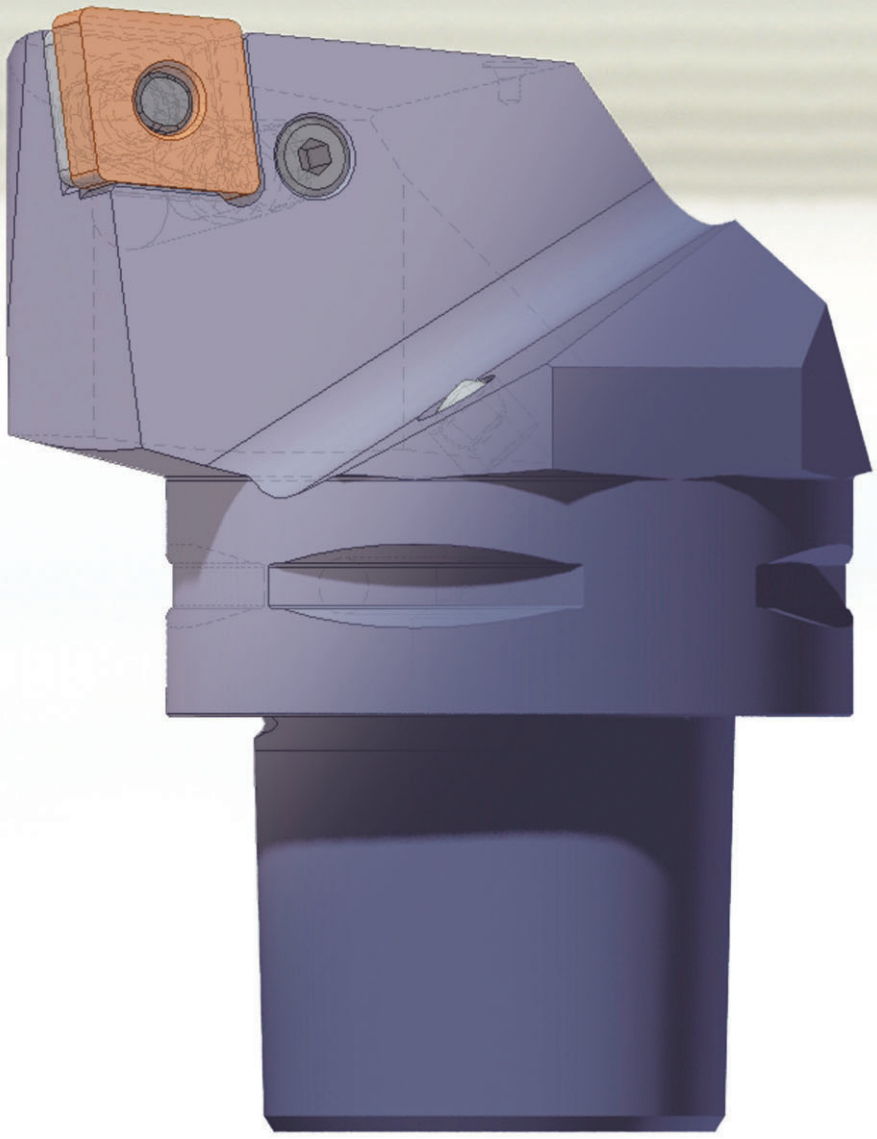


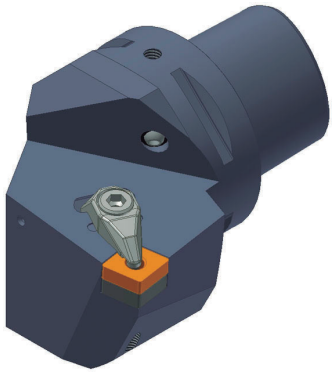
Ref.	SPMT	l	s	d
	SPMT 060304	6,35	3,18	6,35
	SPMT 070308	7,94	3,18	7,94
	SPMT 090308	9,52	3,18	9,52
	SPMT 120408	12,70	4,76	12,70

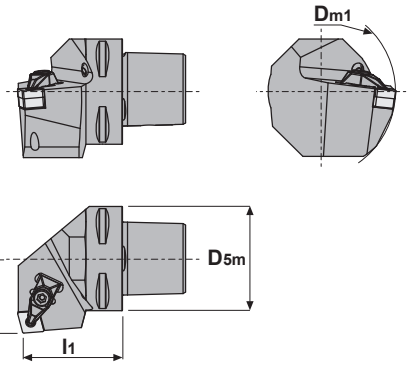
Positive 11 º clearance - Square inserts.

SPMT						
						

PSC Toolholders







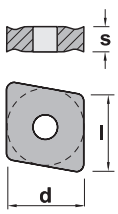
DCKN 75°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DCKNR/L27050-12	40	110	27.0	50.0	-6°	-6°	3.9	CN.. 1204..
	PSC50-DCKNR/L35060-12	50	110	35.0	60.0	-6°	-6°	3.9	CN.. 1204..
	PSC63-DCKNR/L45065-12	63	110	45.0	65.0	-6°	-6°	3.9	CN.. 1204..
	PSC40-DCKNR/L27050-16	40	125	27.0	50.0	-6°	-6°	6.4	CN.. 1606..
	PSC50-DCKNR/L35060-16	50	125	35.0	60.0	-6°	-6°	6.4	CN.. 1606..
	PSC63-DCKNR/L45065-16	63	125	45.0	65.0	-6°	-6°	6.4	CN.. 1606..
	PSC63-DCKNR/L45065-19	63	125	45.0	65.0	-6°	-6°	6.4	CN.. 1906..
	PSC80-DCKNR/L55080-19	80	125	55.0	80.0	-6°	-6°	6.4	CN.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-DCKNR/L27050-12	1766	ICSN-442	2712	1696	4295	5004
	PSC50-DCKNR/L35060-12	1766	ICSN-442	2712	1696	4295	5004
	PSC63-DCKNR/L45065-12	1766	ICSN-442	2712	1696	4295	5004
	PSC40-DCKNR/L27050-16	1768	ICSN-533	2716	1696	4295	5004
	PSC50-DCKNR/L35060-16	1768	ICSN-533	2716	1696	4295	5004
	PSC63-DCKNR/L45065-16	1768	ICSN-533	2716	1696	4295	5004
	PSC63-DCKNR/L45065-19	1770	ICSN-633	2719	1696	4295	5004
	PSC80-DCKNR/L55080-19	1770	ICSN-633	2719	1696	4295	5004

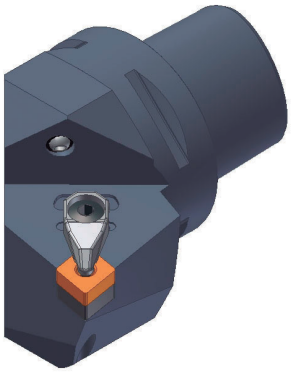


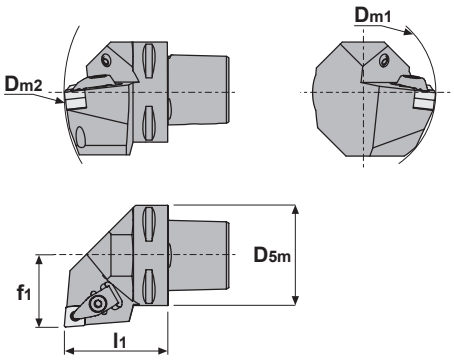
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





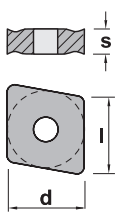
DCLN 95º

Characteristics:
PSC with internal coolant.

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.		D5m	Dm1 mín.	Dm2 mín.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-DCLNR/L22040-09	32	60	116	22.0	40.0	-6º	-6º	1.7	CN.. 0903..
	PSC40-DCLNR/L27050-09	40	60	140	27.0	50.0	-6º	-6º	1.7	CN.. 0903..
	PSC32-DCLNR/L22045-12	32	60	121	22.0	45.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-DCLNR/L27050-12	40	110	140	27.0	50.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-DCLNR/L35060-12	50	110	165	35.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-DCLNR/L45065-12	63	110	190	45.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC80-DCLNR/L55080-12	80	110	250	55.0	80.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-DCLNR/L27055-16	40	125	145	27.0	55.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-DCLNR/L35060-16	50	125	165	35.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-DCLNR/L45065-16	63	125	190	45.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC80-DCLNR/L55080-16	80	125	250	55.0	80.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-DCLNR/L35060-19	50	125	165	35.0	60.0	-6º	-6º	6.4	CN.. 1906..
	PSC63-DCLNR/L45065-19	63	125	190	45.0	65.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-DCLNR/L55080-19	80	125	250	55.0	80.0	-6º	-6º	6.4	CN.. 1906..

Ref.							
	PSC32-DCLNR/L22040-09	1764	ICSN-332	2708	1695	4294	5003
	PSC40-DCLNR/L27050-09	1764	ICSN-332	2708	1695	4294	5003
	PSC32-DCLNR/L22045-12	1766	ICSN-442	2712	1696	4295	5004
	PSC40-DCLNR/L27050-12	1766	ICSN-442	2712	1696	4295	5004
	PSC50-DCLNR/L35060-12	1766	ICSN-442	2712	1696	4295	5004
	PSC63-DCLNR/L45065-12	1766	ICSN-442	2712	1696	4295	5004
	PSC80-DCLNR/L55080-12	1766	ICSN-442	2712	1696	4295	5004
	PSC40-DCLNR/L27055-16	1768	ICSN-533	2716	1696	4295	5004
	PSC50-DCLNR/L35060-16	1768	ICSN-533	2716	1696	4295	5004
	PSC63-DCLNR/L45065-16	1768	ICSN-533	2716	1696	4295	5004
	PSC80-DCLNR/L55080-16	1768	ICSN-533	2716	1696	4295	5004
	PSC50-DCLNR/L35060-19	1770	ICSN-633	2719	1696	4295	5004
	PSC63-DCLNR/L45065-19	1770	ICSN-633	2719	1696	4295	5004
	PSC80-DCLNR/L55080-19	1770	ICSN-633	2719	1696	4295	5004

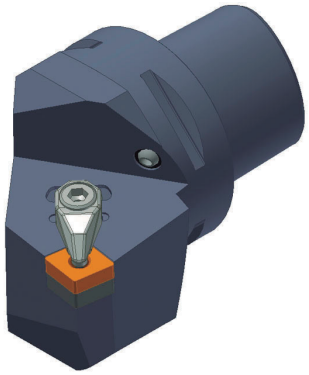


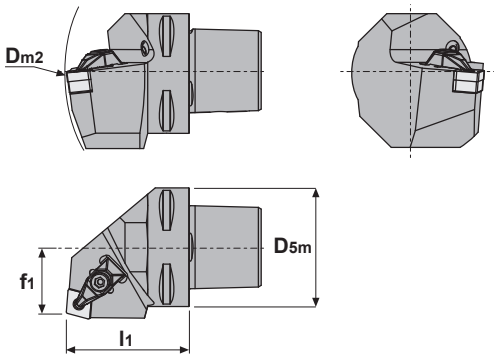
Ref.	CN..	l	s	d
	CN.. 0903..	9,65	3,18	9,52
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





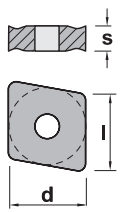
DCRN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DCRNR/L22050-12	40	140	22.0	50.0	-6º	-6	3.9	CN.. 1204..
	PSC50-DCRNR/L27060-12	50	165	27.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-DCRNR/L35065-12	63	190	35.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-DCRNR/L27060-16	50	165	27.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-DCRNR/L35065-16	63	190	35.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC80-DCRNR/L55080-16	80	250	55.0	80.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-DCRNR/L27060-19	50	165	27.0	60.0	-6º	-6º	6.4	CN.. 1906..
	PSC63-DCRNR/L35065-19	63	190	35.0	65.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-DCRNR/L55080-19	80	250	55.0	80.0	-6º	-6º	6.4	CN.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-DCRNR/L22050-12	1766	ICSN-442	2712	1696	4295	5004
	PSC50-DCRNR/L27060-12	1766	ICSN-442	2712	1696	4295	5004
	PSC63-DCRNR/L35065-12	1766	ICSN-442	2712	1696	4295	5004
	PSC50-DCRNR/L27060-16	1768	ICSN-533	2716	1696	4295	5004
	PSC63-DCRNR/L35065-16	1768	ICSN-533	2716	1696	4295	5004
	PSC80-DCRNR/L55080-16	1768	ICSN-533	2716	1696	4295	5004
	PSC50-DCRNR/L27060-19	1770	ICSN-633	2719	1696	4295	5004
	PSC63-DCRNR/L35065-19	1770	ICSN-633	2719	1696	4295	5004
	PSC80-DCRNR/L55080-19	1770	ICSN-633	2719	1696	4295	5004

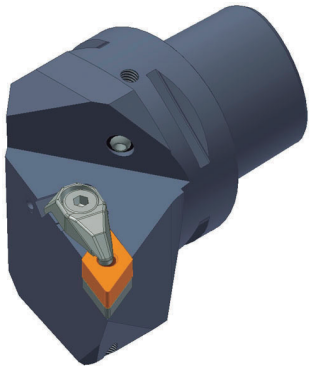


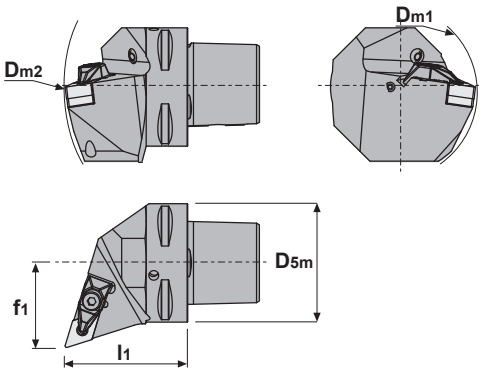
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





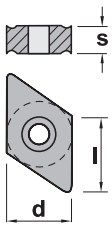
DDHN 107° 30’

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-DDHNR/L27055-15	40	110	145	27.0	55.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-DDHNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-DDHNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-DDHNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

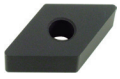
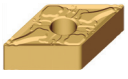
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

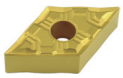
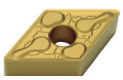
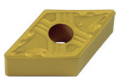
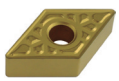
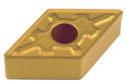
Ref.	PSC40-DDHNR/L27055-15	1766	IDSN-432	2712	1696	4295	5004
	PSC50-DDHNR/L35060-15	1766	IDSN-432	2712	1696	4295	5004
	PSC63-DDHNR/L45065-15	1766	IDSN-432	2712	1696	4295	5004
	PSC80-DDHNR/L55080-15	1766	IDSN-432	2712	1696	4295	5004

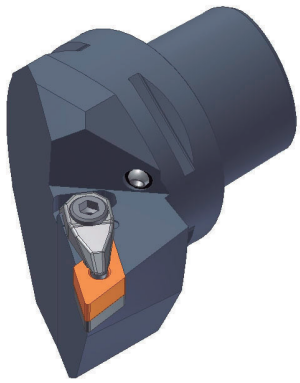


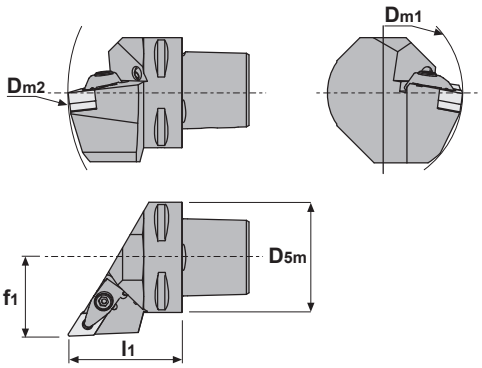
	DN..	l	s	d
Ref.	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF
	

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX
					





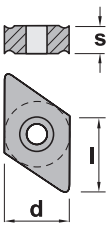
DDJN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-DDJNR/L22045-11	32	60	121	22.0	45.0	-6°	-7°	1.7	DN.. 1104..
	PSC40-DDJNR/L27050-11	40	60	140	27.0	50.0	-6°	-7°	1.7	DN.. 1104..
	PSC50-DDJNR/L35060-11	50	65	165	35.0	60.0	-6°	-7°	1.7	DN.. 1104..
	PSC63-DDJNR/L45065-11	63	81	190	45.0	65.0	-6°	-7°	1.7	DN.. 1104..
	PSC40-DDJNR/L27055-15	40	110	145	27.0	55.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-DDJNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-DDJNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-DDJNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

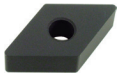
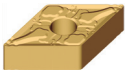
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

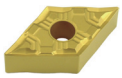
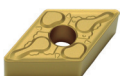
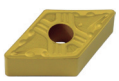
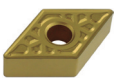
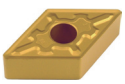
Ref.							
	PSC32-DDJNR/L22045-11	1764	IDSN-322	2708	1695	4294	5003
	PSC40-DDJNR/L27050-11	1764	IDSN-322	2708	1695	4294	5003
	PSC50-DDJNR/L35060-11	1764	IDSN-322	2708	1695	4294	5003
	PSC63-DDJNR/L45065-11	1764	IDSN-322	2708	1695	4294	5003
	PSC40-DDJNR/L27055-15	1766	IDSN-432	2712	1696	4295	5004
	PSC50-DDJNR/L35060-15	1766	IDSN-432	2712	1696	4295	5004
	PSC63-DDJNR/L45065-15	1766	IDSN-432	2712	1696	4295	5004
	PSC80-DDJNR/L55080-15	1766	IDSN-432	2712	1696	4295	5004

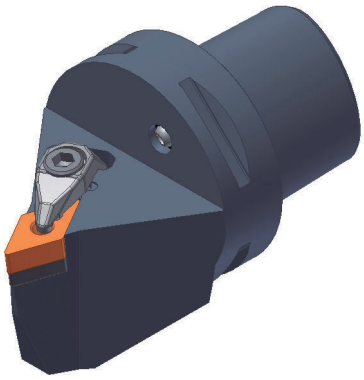


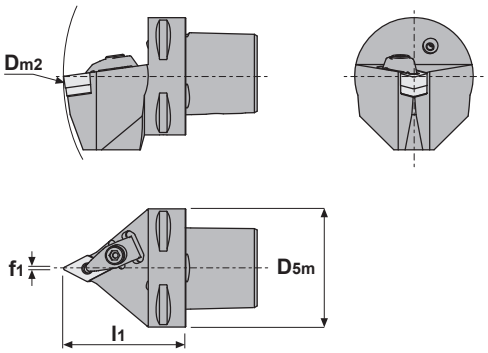
Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						





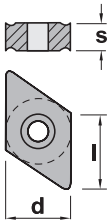
DDNN 63°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DDNNN00050-11	40	140	0.5	50.0	-5°	-9°	1.7	DN.. 1104..
	PSC50-DDNNN00060-11	50	165	0.5	60.0	-5°	-9°	1.7	DN.. 1104..
	PSC40-DDNNN00055-15	40	145	0.5	55.0	-5°	-9°	3.9	DN.. 1506..
	PSC50-DDNNN00060-15	50	165	0.5	60.0	-5°	-9°	3.9	DN.. 1506..
	PSC63-DDNNN00065-15	63	190	0.5	65.0	-5°	-9°	3.9	DN.. 1506..
	PSC80-DDNNN00080-15	80	250	0.5	80.0	-5°	-9°	3.9	DN.. 1506..

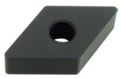
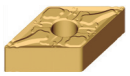
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

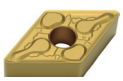
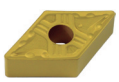
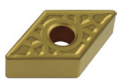
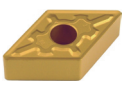
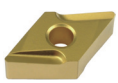
Ref.							
	PSC40-DDNNN00050-11	1764	IDSN-322	2708	1695	4294	5003
	PSC50-DDNNN00060-11	1764	IDSN-322	2708	1695	4294	5003
	PSC40-DDNNN00055-15	1766	IDSN-432	2712	1696	4295	5004
	PSC50-DDNNN00060-15	1766	IDSN-432	2712	1696	4295	5004
	PSC63-DDNNN00065-15	1766	IDSN-432	2712	1696	4295	5004
	PSC80-DDNNN00080-15	1766	IDSN-432	2712	1696	4295	5004

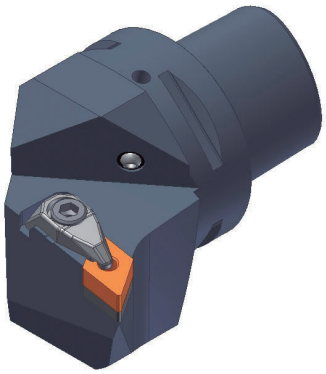


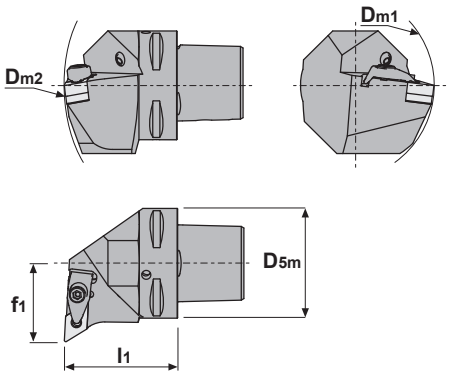
Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						





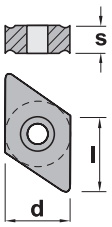
DDUN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DDUNR/L27050-15	40	110	140	27.0	50.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-DDUNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-DDUNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-DDUNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

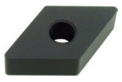
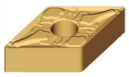
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

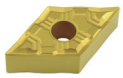
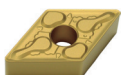
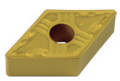
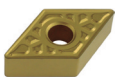
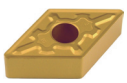
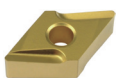
Ref.							
	PSC40-DDUNR/L27050-15	1766	IDSN-432	2712	1696	4295	5004
	PSC50-DDUNR/L35060-15	1766	IDSN-432	2712	1696	4295	5004
	PSC63-DDUNR/L45065-15	1766	IDSN-432	2712	1696	4295	5004
	PSC80-DDUNR/L55080-15	1766	IDSN-432	2712	1696	4295	5004

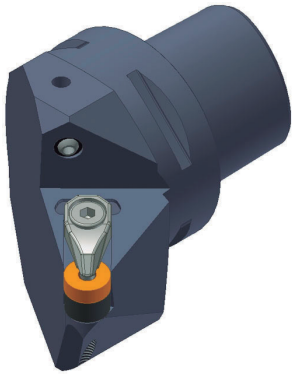


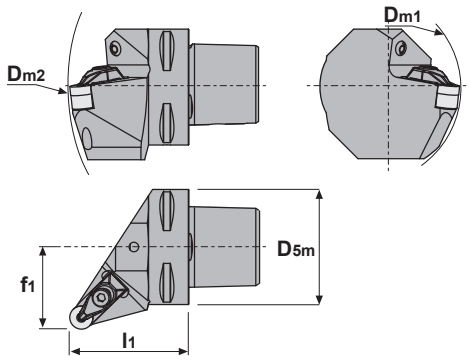
Ref.	DN..	l	s	d
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						





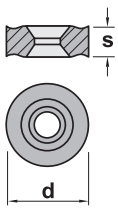
DRSN

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DRSNR/L27050-12	40	110	140	27.0	50.0	-6°	-6°	3.9	RNMG 1204..
	PSC50-DRSNR/L35060-12	50	110	165	35.0	60.0	-6°	-6°	3.9	RNMG 1204..
	PSC63-DRSNR/L45065-12	63	110	190	45.0	65.0	-6°	-6°	3.9	RNMG 1204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

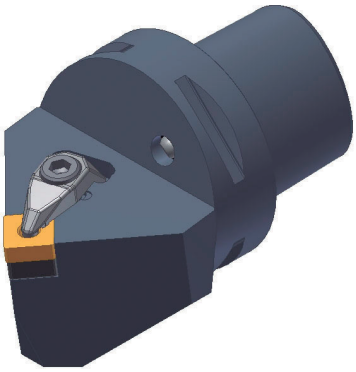
Ref.							
	PSC40-DRSNR/L27050-12	1766	IRSN-44	2712	1696	4295	5004
	PSC50-DRSNR/L35060-12	1766	IRSN-44	2712	1696	4295	5004
	PSC63-DRSNR/L45065-12	1766	IRSN-44	2712	1696	4295	5004

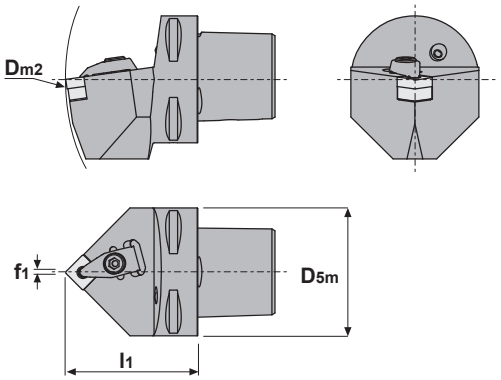


Ref.	RNMG	s	d
	RNMG 1204..	4,76	12,70

Negative round inserts.

RNMG						
						





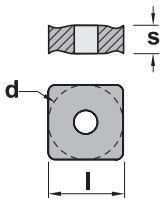
DSDN 45°

Characteristics:
PSC with internal coolant.

		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-DSDNN00048-12	32	124	0.3	48.0	-6°	-6°	3.9	SNM.. 1204..
	PSC40-DSDNN00050-12	40	140	0.3	50.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-DSDNN00060-12	50	165	0.3	60.0	-6°	-6°	3.9	SNM.. 1204..
	PSC63-DSDNN00065-12	63	190	0.3	65.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-DSDNN00060-15	50	165	0.5	60.0	-6°	-6°	6.4	SNM.. 1506..
	PSC63-DSDNN00065-15	63	190	0.5	65.0	-6°	-6°	6.4	SNM.. 1506..
	PSC50-DSDNN00065-19	50	170	0.5	65.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-DSDNN00070-19	63	195	0.5	70.0	-6°	-6°	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

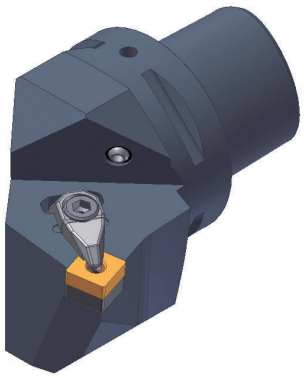
Ref.	PSC32-DSDNN00048-12	1766	ISSN-442	2712	1696	4295	5004
	PSC40-DSDNN00050-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSDNN00060-12	1766	ISSN-442	2712	1696	4295	5004
	PSC63-DSDNN00065-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSDNN00060-15	1768	ISSN-533	2716	1696	4295	5004
	PSC63-DSDNN00065-15	1768	ISSN-533	2716	1696	4295	5004
	PSC50-DSDNN00065-19	1770	ISSN-633	2719	1696	4295	5004
	PSC63-DSDNN00070-19	1770	ISSN-633	2719	1696	4295	5004

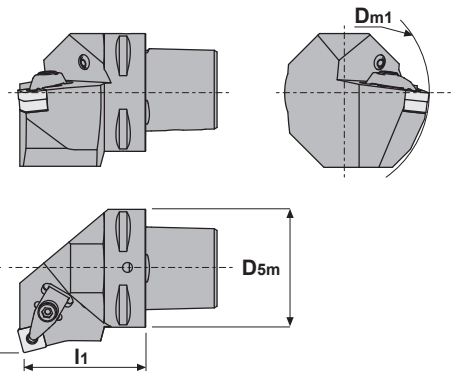


	SNM..	l	s	d
Ref.	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





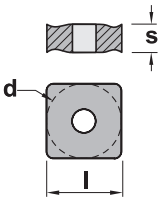
DSKN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-DSKNR/L22040-12	32	60	22.0	40.0	-6º	-6º	3.9	SNM.. 1204..
	PSC40-DSKNR/L27050-12	40	110	27.0	50.0	-6º	-6º	3.9	SNM.. 1204..
	PSC50-DSKNR/L35060-12	50	110	35.0	60.0	-6º	-6º	3.9	SNM.. 1204..
	PSC63-DSKNR/L45065-12	63	110	45.0	65.0	-6º	-6º	3.9	SNM.. 1204..
	PSC50-DSKNR/L35060-15	50	125	35.0	60.0	-6º	-6º	6.4	SNM.. 1506..
	PSC63-DSKNR/L45065-15	63	125	45.0	65.0	-6º	-6º	6.4	SNM.. 1506..
	PSC50-DSKNR/L35060-19	50	125	35.0	60.0	-6º	-6º	6.4	SNM.. 1906..
	PSC63-DSKNR/L45065-19	63	125	45.0	65.0	-6º	-6º	6.4	SNM.. 1906..
	PSC80-DSKNR/L55080-19	80	125	55.0	80.0	-6º	-6º	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

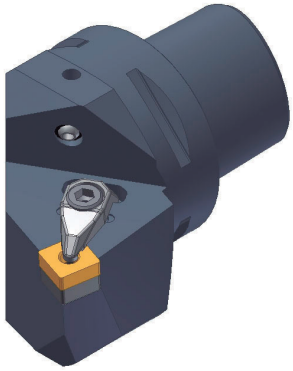
Ref.							
	PSC32-DSKNR/L22040-12	1766	ISSN-442	2712	1696	4295	5004
	PSC40-DSKNR/L27050-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSKNR/L35060-12	1766	ISSN-442	2712	1696	4295	5004
	PSC63-DSKNR/L45065-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSKNR/L35060-15	1768	ISSN-533	2716	1696	4295	5004
	PSC63-DSKNR/L45065-15	1768	ISSN-533	2716	1696	4295	5004
	PSC50-DSKNR/L35060-19	1770	ISSN-633	2719	1696	4295	5004
	PSC63-DSKNR/L45065-19	1770	ISSN-633	2719	1696	4295	5004
	PSC80-DSKNR/L55080-19	1770	ISSN-633	2719	1696	4295	5004

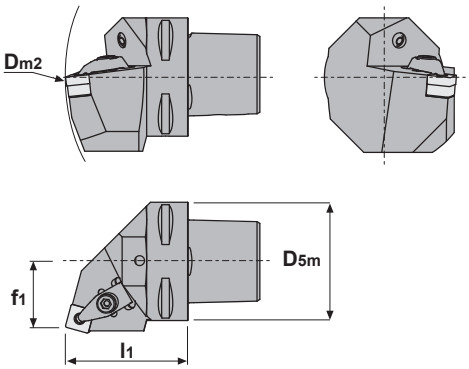


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





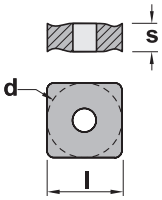
DSRN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-DSRNR/L19048-12	32	124	19.0	48.0	-6º	-6º	3.9	SNM.. 1204..
	PSC40-DSRNR/L22050-12	40	140	22.0	50.0	-6º	-6º	3.9	SNM.. 1204..
	PSC50-DSRNR/L27060-12	50	165	27.0	60.0	-6º	-6º	3.9	SNM.. 1204..
	PSC63-DSRNR/L35065-12	63	190	35.0	65.0	-6º	-6º	3.9	SNM.. 1204..
	PSC50-DSRNR/L27060-15	50	165	27.0	60.0	-6º	-6º	6.4	SNM.. 1506..
	PSC63-DSRNR/L35065-15	63	190	35.0	65.0	-6º	-6º	6.4	SNM.. 1506..
	PSC50-DSRNR/L27060-19	50	165	27.0	60.0	-6º	-6º	6.4	SNM.. 1906..
	PSC63-DSRNR/L35065-19	63	190	35.0	65.0	-6º	-6º	6.4	SNM.. 1906..
	PSC80-DSRNR/L45080-19	80	250	45.0	80.0	-6º	-6º	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

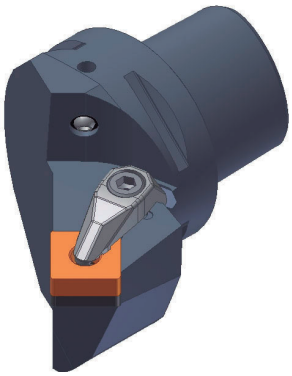
Ref.							
	PSC32-DSRNR/L19048-12	1766	ISSN-442	2712	1696	4295	5004
	PSC40-DSRNR/L22050-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSRNR/L27060-12	1766	ISSN-442	2712	1696	4295	5004
	PSC63-DSRNR/L35065-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSRNR/L27060-15	1768	ISSN-533	2716	1696	4295	5004
	PSC63-DSRNR/L35065-15	1768	ISSN-533	2716	1696	4295	5004
	PSC50-DSRNR/L27060-19	1770	ISSN-633	2719	1696	4295	5004
	PSC63-DSRNR/L35065-19	1770	ISSN-633	2719	1696	4295	5004
	PSC80-DSRNR/L45080-19	1770	ISSN-633	2719	1696	4295	5004

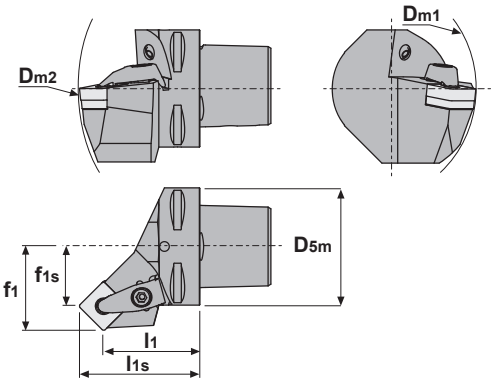


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





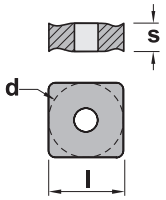
DSSN 45º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	f1s	l1	l1s	y1)	λs2)	Nm3)	Insert
	PSC32-DSSNR/L22040-12	32	60	124	22.0	13.7	40.0	48.3	-8º	0º	3.9	SNM.. 1204..
	PSC40-DSSNR/L27042-12	40	110	140	27.0	18.7	42.0	50.3	-8º	0º	3.9	SNM.. 1204..
	PSC50-DSSNR/L35052-12	50	110	165	35.0	26.7	52.0	60.3	-8º	0º	3.9	SNM.. 1204..
	PSC63-DSSNR/L45056-12	63	110	190	45.0	36.7	56.0	64.3	-8º	0º	3.9	SNM.. 1204..
	PSC40-DSSNR/L27045-15	40	125	145	27.0	16.8	45.0	55.2	-8º	0º	6.4	SNM.. 1506..
	PSC50-DSSNR/L35050-15	50	125	165	35.0	24.8	50.0	60.2	-8º	0º	6.4	SNM.. 1506..
	PSC63-DSSNR/L45054-15	63	125	190	45.0	34.8	54.0	64.2	-8º	0º	6.4	SNM.. 1506..
	PSC50-DSSNR/L35048-19	50	125	165	35.0	22.5	48.0	60.5	-8º	0º	6.4	SNM.. 1906..
	PSC63-DSSNR/L45052-19	63	125	190	45.0	32.5	52.0	64.5	-8º	0º	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

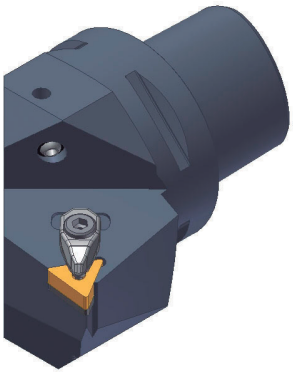
Ref.							
	PSC32-DSSNR/L22040-12	1766	ISSN-442	2712	1696	4295	5004
	PSC40-DSSNR/L27042-12	1766	ISSN-442	2712	1696	4295	5004
	PSC50-DSSNR/L35052-12	1766	ISSN-442	2712	1696	4295	5004
	PSC63-DSSNR/L45056-12	1766	ISSN-442	2712	1696	4295	5004
	PSC40-DSSNR/L27045-15	1768	ISSN-533	2716	1696	4295	5004
	PSC50-DSSNR/L35050-15	1768	ISSN-533	2716	1696	4295	5004
	PSC63-DSSNR/L45054-15	1768	ISSN-533	2716	1696	4295	5004
	PSC50-DSSNR/L35048-19	1770	ISSN-633	2719	1696	4295	5004
	PSC63-DSSNR/L45052-19	1770	ISSN-633	2719	1696	4295	5004

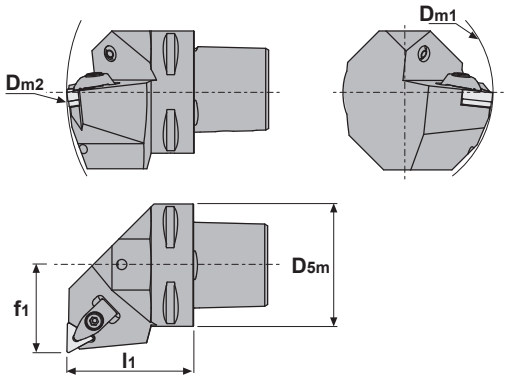


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





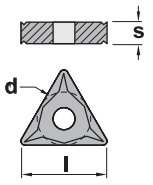
DTFN 90°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-DTFNR/L22040-16	32	60	116	22.0	40.0	-6°	-6°	1.7	TNM.. 1604..
	PSC40-DTFNR/L27050-16	40	110	140	27.0	50.0	-6°	-6°	1.7	TNM.. 1604..
	PSC50-DTFNR/L35060-16	50	110	165	35.0	60.0	-6°	-6°	1.7	TNM.. 1604..
	PSC63-DTFNR/L45065-16	63	110	190	45.0	65.0	-6°	-6°	1.7	TNM.. 1604..
	PSC40-DTFNR/L27050-22	40	110	140	27.0	50.0	-6°	-6°	3.9	TNM.. 2204..
	PSC50-DTFNR/L35060-22	50	110	165	35.0	60.0	-6°	-6°	3.9	TNM.. 2204..
	PSC63-DTFNR/L45065-22	63	110	190	45.0	65.0	-6°	-6°	3.9	TNM.. 2204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC32-DTFNR/L22040-16	1764	ITSN-342	2708	1695	4294	5003
	PSC40-DTFNR/L27050-16	1764	ITSN-342	2708	1695	4294	5003
	PSC50-DTFNR/L35060-16	1764	ITSN-342	2708	1695	4294	5003
	PSC63-DTFNR/L45065-16	1764	ITSN-342	2708	1695	4294	5003
	PSC40-DTFNR/L27050-22	1766	ITSN-442	2712	1696	4295	5004
	PSC50-DTFNR/L35060-22	1766	ITSN-442	2712	1696	4295	5004
	PSC63-DTFNR/L45065-22	1766	ITSN-442	2712	1696	4295	5004

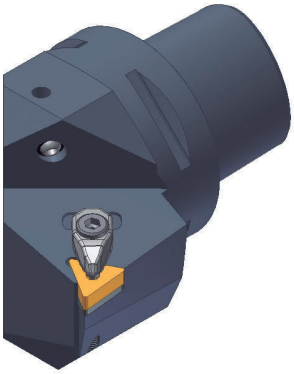


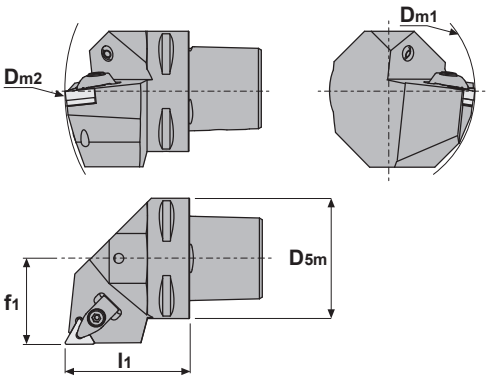
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

TNMA	TNMG-CF	TNMG-CFC
		

TNMG-CFM	TNMG-CM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMG-CS	TNMX R/L
						





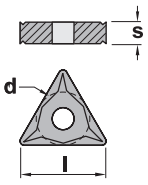
DTGN 90°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DTGNR/L27050-16	40	110	140	27.0	50.0	-6°	-6°	1.7	TNM.. 1604..
	PSC50-DTGNR/L35060-16	50	110	165	35.0	60.0	-6°	-6°	1.7	TNM.. 1604..
	PSC63-DTGNR/L45065-16	63	110	190	45.0	65.0	-6°	-6°	1.7	TNM.. 1604..
	PSC40-DTGNR/L27050-22	40	110	140	27.0	50.0	-6°	-6°	3.9	TNM.. 2204..
	PSC50-DTGNR/L35060-22	50	110	165	35.0	60.0	-6°	-6°	3.9	TNM.. 2204..
	PSC63-DTGNR/L45065-22	63	110	190	45.0	65.0	-6°	-6°	3.9	TNM.. 2204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-DTGNR/L27050-16	1764	ITSN-342	2708	1695	4294	5003
	PSC50-DTGNR/L35060-16	1764	ITSN-342	2708	1695	4294	5003
	PSC63-DTGNR/L45065-16	1764	ITSN-342	2708	1695	4294	5003
	PSC40-DTGNR/L27050-22	1766	ITSN-442	2712	1696	4295	5004
	PSC50-DTGNR/L35060-22	1766	ITSN-442	2712	1696	4295	5004
	PSC63-DTGNR/L45065-22	1766	ITSN-442	2712	1696	4295	5004

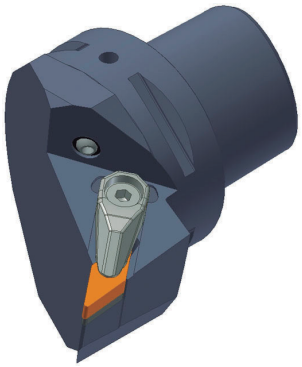


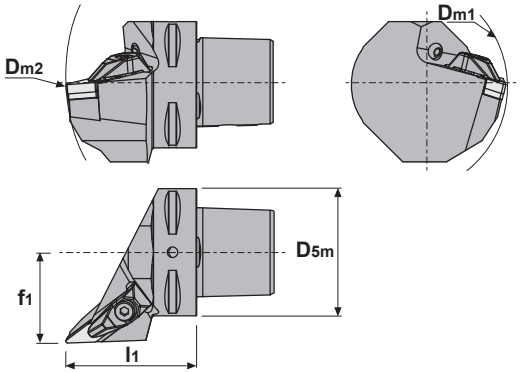
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

TNMA	TNMG-CF	TNMG-CFC
		

TNMG-CFM	TNMG-CM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMG-CS	TNMX R/L
						





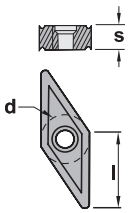
DVJN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-DVJNR/L27062-16	40	60	152	27.0	62.0	-4°	-13°	3.0	VN.. 1604..
	PSC50-DVJNR/L35065-16	50	65	170	35.0	65.0	-4°	-13°	3.0	VN.. 1604..
	PSC63-DVJNR/L45065-16	63	81	190	45.0	65.0	-4°	-13°	3.0	VN.. 1604..
	PSC80-DVJNR/L55080-16	80	100	250	55.0	80.0	-4°	-13°	3.0	VN.. 1604..

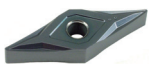
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

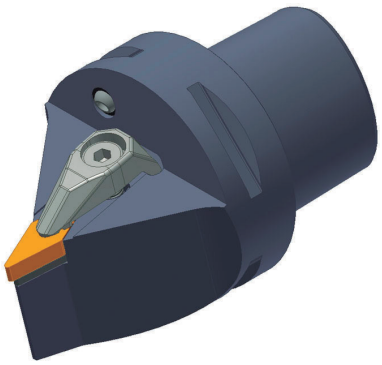
Ref.							
	PSC40-DVJNR/L27062-16	1764	IVSN-322	2708	1695	4294	5003
	PSC50-DVJNR/L35065-16	1764	IVSN-322	2708	1695	4294	5003
	PSC63-DVJNR/L45065-16	1764	IVSN-322	2708	1695	4294	5003
	PSC80-DVJNR/L55080-16	1764	IVSN-322	2708	1695	4294	5003

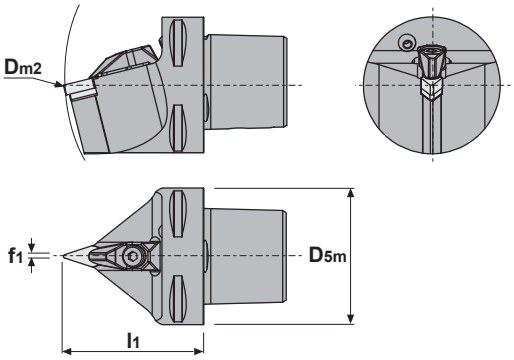


Ref.	VN..	l	s	d
	VN.. 1604..	16,50	4,76	9,52

Negative 35° rhombic inserts.

VNGP	VNMG	VNMG-CMC				
						





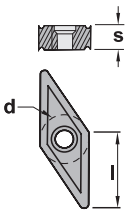
DVVN 72º 30’

Characteristics:
PSC with internal coolant.

Ref.		D_{5m}	D_{m2} min.	f_1	l_1	y[1]	λs[2]	Nm[3]	Insert
Ref.	**PSC40-DVVNN00062-16**	40	152	0.6	62.0	-4º	-13º	3.0	VN.. 1604..
	PSC50-DVVNN00065-16	50	170	0.6	65.0	-4º	-13º	3.0	VN.. 1604..
	PSC63-DVVNN00065-16	63	190	0.6	65.0	-4º	-13º	3.0	VN.. 1604..
	PSC80-DVVNN00080-16	80	250	0.6	80.0	-4º	-13º	3.0	VN.. 1604..

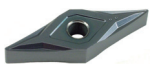
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

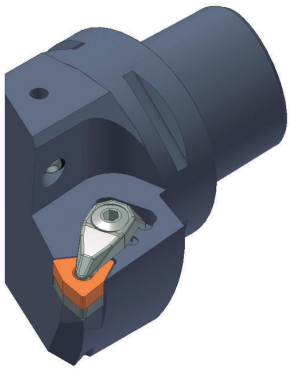
Ref.							
Ref.	**PSC40-DVVNN00062-16**	1764	IVSN-322	2708	1695	4294	5003
	PSC50-DVVNN00065-16	1764	IVSN-322	2708	1695	4294	5003
	PSC63-DVVNN00065-16	1764	IVSN-322	2708	1695	4294	5003
	PSC80-DVVNN00080-16	1764	IVSN-322	2708	1695	4294	5003

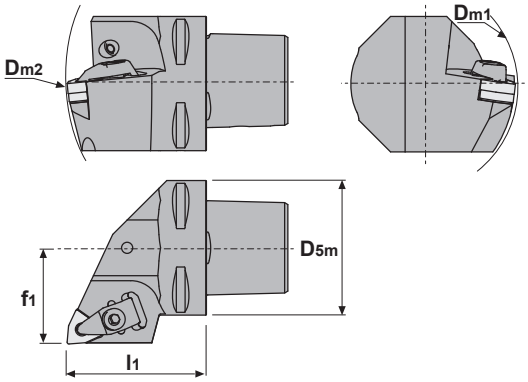


	VN..	l	s	d
Ref.	**VN.. 1604..**	16,50	4,76	9,52

Negative 35° rhombic inserts.

VNGP	VNMG	VNMG-CMC				
						





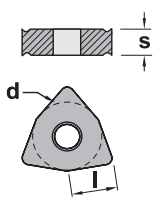
DWLN 95°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-DWLNR/L22040-06	32	60	116	22.0	40.0	-6°	-6°	1.7	WNMG 0604..
	PSC40-DWLNR/L27050-06	40	60	140	27.0	50.0	-6°	-6°	1.7	WNMG 0604..
	PSC50-DWLNR/L35060-06	50	65	165	35.0	60.0	-6°	-6°	1.7	WNMG 0604..
	PSC63-DWLNR/L45065-06	63	81	190	45.0	65.0	-6°	-6°	1.7	WNMG 0604..
	PSC40-DWLNR/L27050-08	40	110	140	27.0	50.0	-6°	-6°	3.9	WNMG 0804..
	PSC50-DWLNR/L35060-08	50	110	165	35.0	60.0	-6°	-6°	3.9	WNMG 0804..
	PSC63-DWLNR/L45065-08	63	110	190	45.0	65.0	-6°	-6°	3.9	WNMG 0804..
	PSC80-DWLNR/L55080-08	80	110	250	55.0	80.0	-6°	-6°	3.9	WNMG 0804..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

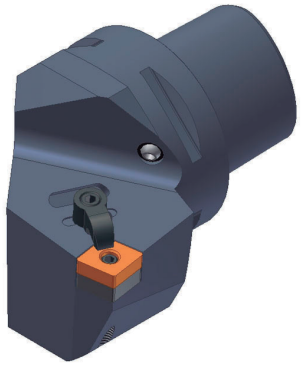
Ref.							
	PSC32-DWLNR/L22040-06	1764	IWSN-323	2708	1695	4294	5003
	PSC40-DWLNR/L27050-06	1764	IWSN-323	2708	1695	4294	5003
	PSC50-DWLNR/L35060-06	1764	IWSN-323	2708	1695	4294	5003
	PSC63-DWLNR/L45065-06	1764	IWSN-323	2708	1695	4294	5003
	PSC40-DWLNR/L27050-08	1766	IWSN-433	2712	1696	4295	5004
	PSC50-DWLNR/L35060-08	1766	IWSN-433	2712	1696	4295	5004
	PSC63-DWLNR/L45065-08	1766	IWSN-433	2712	1696	4295	5004
	PSC80-DWLNR/L55080-08	1766	IWSN-433	2712	1696	4295	5004

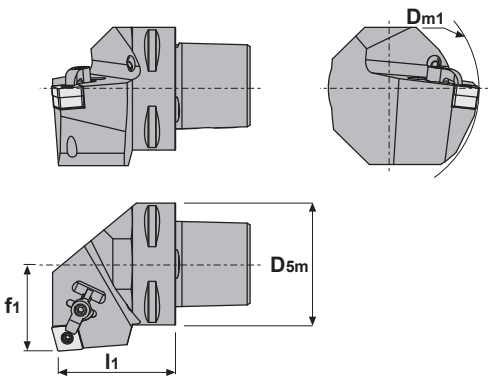


Ref.	WNMG	l	s	d
	WNMG 0604..	6,45	4,76	9,52
	WNMG 0804..	8,14	4,76	12,70

Negative 80° trigon inserts.

WNMG-CF	WNMG-CFM	WNMG-CM	WNMG-CMC	WNMG-CMF	WNMG-CMR	WNMG-CS
						





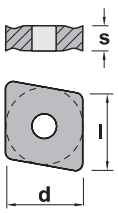
MCKN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-MCKNR/L27050-12	40	110	27.0	50.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-MCKNR/L35060-12	50	110	35.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-MCKNR/L45065-12	63	110	45.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-MCKNR/L27050-16	40	125	27.0	50.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-MCKNR/L35060-16	50	125	35.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-MCKNR/L45065-16	63	125	45.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-MCKNR/L45065-19	63	125	45.0	65.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-MCKNR/L55080-19	80	125	55.0	80.0	-6º	-6º	6.4	CN.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-MCKNR/L27050-12	2613	1086	5003	ICSN-442	1657	5025
	PSC50-MCKNR/L35060-12	2613	1086	5003	ICSN-442	1657	5025
	PSC63-MCKNR/L45065-12	2613	1086	5003	ICSN-442	1657	5025
	PSC40-MCKNR/L27050-16	2614	1086	5003	ICSN-533	1673	5003
	PSC50-MCKNR/L35060-16	2614	1086	5003	ICSN-533	1673	5003
	PSC63-MCKNR/L45065-16	2614	1086	5003	ICSN-533	1673	5003
	PSC63-MCKNR/L45065-19	2614	1086	5003	ICSN-633	1674	5004
	PSC80-MCKNR/L55080-19	2614	1086	5003	ICSN-633	1674	5004

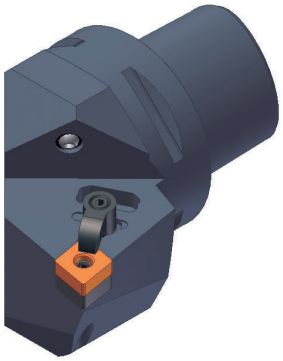


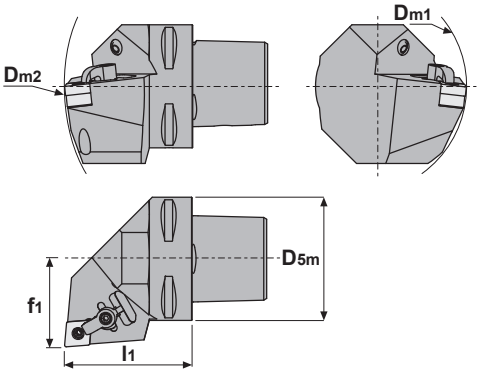
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





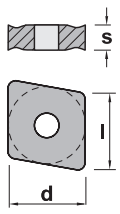
MCLN 95º

Characteristics:
PSC with internal coolant.

		D5m	Dm1 mín.4)	Dm2 mín.4)	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-MCLNR/L22040-09	32	60	116	22.0	40.0	-6º	-6º	1.7	CN.. 0903..
	PSC40-MCLNR/L27050-09	40	60	140	27.0	50.0	-6º	-6º	1.7	CN.. 0903..
	PSC32-MCLNR/L22045-12	32	60	121	22.0	45.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-MCLNR/L27050-12	40	110	140	27.0	50.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-MCLNR/L35060-12	50	110	165	35.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-MCLNR/L45065-12	63	110	190	45.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC80-MCLNR/L55080-12	80	110	250	55.0	80.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-MCLNR/L27055-16	40	125	145	27.0	55.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-MCLNR/L35060-16	50	125	165	35.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-MCLNR/L45065-16	63	125	190	45.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC80-MCLNR/L55080-16	80	125	250	55.0	80.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-MCLNR/L35060-19	50	125	165	35.0	60.0	-6º	-6º	6.4	CN.. 1906..
	PSC63-MCLNR/L45065-19	63	125	190	45.0	65.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-MCLNR/L55080-19	80	125	250	55.0	80.0	-6º	-6º	6.4	CN.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC32-MCLNR/L22040-09	2604	1085	5025	ICSN-332	1665	5002
	PSC40-MCLNR/L27050-09	2604	1085	5025	ICSN-332	1665	5002
	PSC32-MCLNR/L22045-12	2613	1086	5003	ICSN-442	1657	5025
	PSC40-MCLNR/L27050-12	2613	1086	5003	ICSN-442	1657	5025
	PSC50-MCLNR/L35060-12	2613	1086	5003	ICSN-442	1657	5025
	PSC63-MCLNR/L45065-12	2613	1086	5003	ICSN-442	1657	5025
	PSC80-MCLNR/L55080-12	2613	1086	5003	ICSN-442	1657	5025
	PSC40-MCLNR/L27055-16	2614	1086	5003	ICSN-533	1673	5003
	PSC50-MCLNR/L35060-16	2614	1086	5003	ICSN-533	1673	5003
	PSC63-MCLNR/L45065-16	2614	1086	5003	ICSN-533	1673	5003
	PSC80-MCLNR/L55080-16	2614	1086	5003	ICSN-533	1673	5003
	PSC50-MCLNR/L35060-19	2614	1086	5003	ICSN-633	1674	5004
	PSC63-MCLNR/L45065-19	2614	1086	5003	ICSN-633	1674	5004
	PSC80-MCLNR/L55080-19	2614	1086	5003	ICSN-633	1674	5004

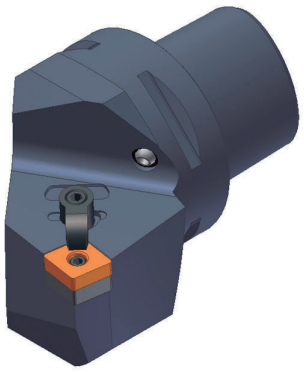


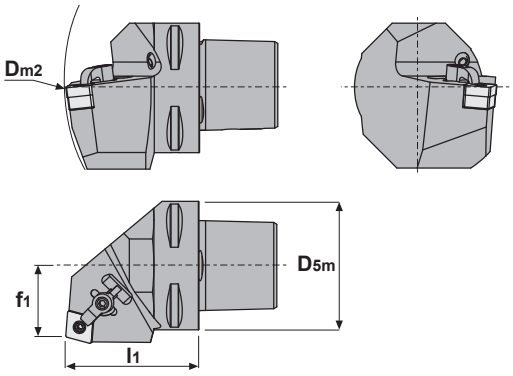
	CN..	l	s	d
Ref.	CN.. 0903..	9,65	3,18	9,52
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





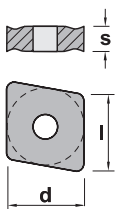
MCRN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-MCRNR/L22050-12	40	140	22.0	50.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-MCRNR/L27060-12	50	165	27.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-MCRNR/L35065-12	63	190	35.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-MCRNR/L27060-16	50	165	27.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-MCRNR/L35065-16	63	190	35.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC80-MCRNR/L55080-16	80	250	55.0	80.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-MCRNR/L27060-19	50	165	27.0	60.0	-6º	-6º	6.4	CN.. 1906..
	PSC63-MCRNR/L35065-19	63	190	35.0	65.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-MCRNR/L55080-19	80	250	55.0	80.0	-6º	-6º	6.4	CN.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-MCRNR/L22050-12	2613	1086	5003	ICSN-442	1657	5025
	PSC50-MCRNR/L27060-12	2613	1086	5003	ICSN-442	1657	5025
	PSC63-MCRNR/L35065-12	2613	1086	5003	ICSN-442	1657	5025
	PSC50-MCRNR/L27060-16	2614	1086	5003	ICSN-533	1673	5003
	PSC63-MCRNR/L35065-16	2614	1086	5003	ICSN-533	1673	5003
	PSC80-MCRNR/L55080-16	2614	1086	5003	ICSN-533	1673	5003
	PSC50-MCRNR/L27060-19	2614	1086	5003	ICSN-633	1674	5004
	PSC63-MCRNR/L35065-19	2614	1086	5003	ICSN-633	1674	5004
	PSC80-MCRNR/L55080-19	2614	1086	5003	ICSN-633	1674	5004

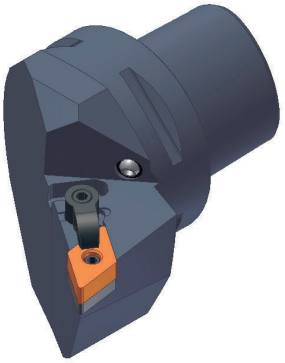


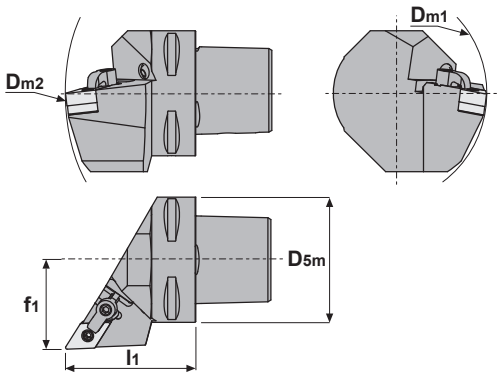
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





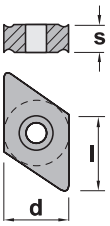
MDJN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-MDJNR/L22045-11	32	60	121	22.0	45.0	-6°	-7°	1.7	DN.. 1104..
	PSC40-MDJNR/L27050-11	40	60	140	27.0	50.0	-6°	-7°	1.7	DN.. 1104..
	PSC50-MDJNR/L35060-11	50	65	165	35.0	60.0	-6°	-7°	1.7	DN.. 1104..
	PSC63-MDJNR/L45065-11	63	81	190	45.0	65.0	-6°	-7°	1.7	DN.. 1104..
	PSC40-MDJNR/L27055-15	40	110	145	27.0	55.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-MDJNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-MDJNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-MDJNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

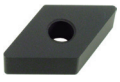
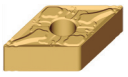
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

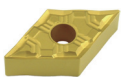
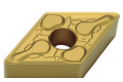
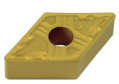
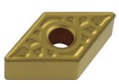
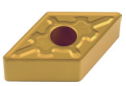
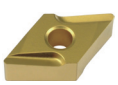
Ref.							
	PSC32-MDJNR/L22045-11	2604	1085	5025	IDSN-322	1665	5002
	PSC40-MDJNR/L27050-11	2604	1085	5025	IDSN-322	1665	5002
	PSC50-MDJNR/L35060-11	2604	1085	5025	IDSN-322	1665	5002
	PSC63-MDJNR/L45065-11	2604	1085	5025	IDSN-322	1665	5002
	PSC40-MDJNR/L27055-15	2613	1086	5003	IDSN-432	1657	5025
	PSC50-MDJNR/L35060-15	2613	1086	5003	IDSN-432	1657	5025
	PSC63-MDJNR/L45065-15	2613	1086	5003	IDSN-432	1657	5025
	PSC80-MDJNR/L55080-15	2613	1086	5003	IDSN-432	1657	5025

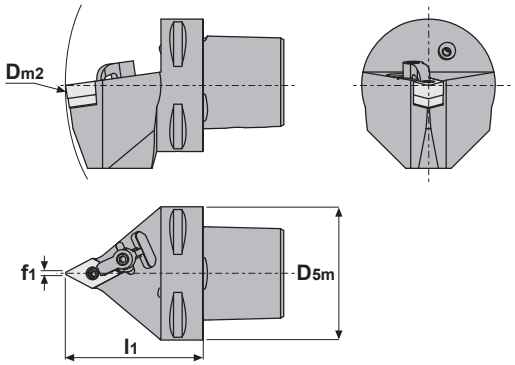


Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF
	

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX
					



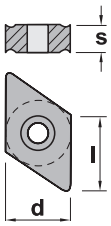
MDNN 63º

Characteristics:
PSC with internal coolant.

Ref.		D_{5m}	D_{m2} min.	f_1	l_1	$y^{1)}$	$\lambda s^{2)}$	$Nm^{3)}$	Insert
	PSC40-MDNNN00050-11	40	140	0.5	50.0	-5º	-9º	1.7	DN.. 1104..
	PSC50-MDNNN00060-11	50	165	0.5	60.0	-5º	-9º	1.7	DN.. 1104..
	PSC40-MDNNN00055-15	40	145	0.5	55.0	-5º	-9º	3.9	DN.. 1506..
	PSC50-MDNNN00060-15	50	165	0.5	60.0	-5º	-9º	3.9	DN.. 1506..
	PSC63-MDNNN00065-15	63	190	0.5	65.0	-5º	-9º	3.9	DN.. 1506..
	PSC80-MDNNN00080-15	80	250	0.5	80.0	-5º	-9º	3.9	DN.. 1506..

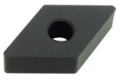
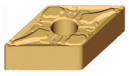
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

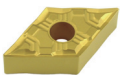
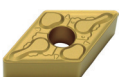
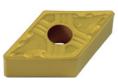
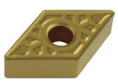
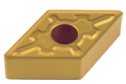
Ref.							
	PSC40-MDNNN00050-11	2604	1085	5025	IDSN-322	1665	5002
	PSC50-MDNNN00060-11	2604	1085	5025	IDSN-322	1665	5002
	PSC40-MDNNN00055-15	2613	1086	5003	IDSN-432	1657	5025
	PSC50-MDNNN00060-15	2613	1086	5003	IDSN-432	1657	5025
	PSC63-MDNNN00065-15	2613	1086	5003	IDSN-432	1657	5025
	PSC80-MDNNN00080-15	2613	1086	5003	IDSN-432	1657	5025

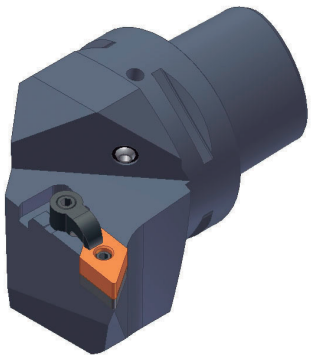


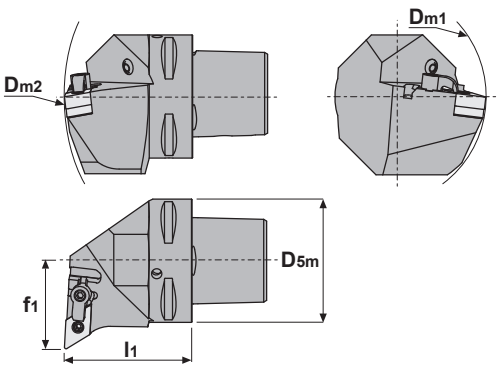
Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF
	

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX
					





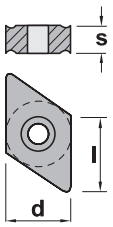
MDUN 93°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-MDUNR/L27050-15	40	110	140	27.0	50.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-MDUNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-MDUNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-MDUNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

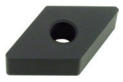
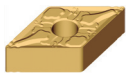
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

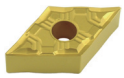
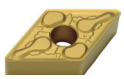
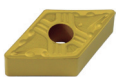
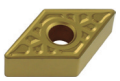
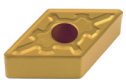
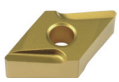
Ref.	PSC40-MDUNR/L27050-15	2613	1086	5003	IDSN-432	1657	5025
	PSC50-MDUNR/L35060-15	2613	1086	5003	IDSN-432	1657	5025
	PSC63-MDUNR/L45065-15	2613	1086	5003	IDSN-432	1657	5025
	PSC80-MDUNR/L55080-15	2613	1086	5003	IDSN-432	1657	5025

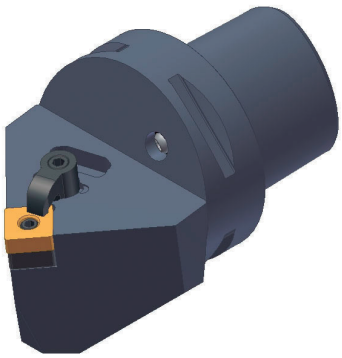


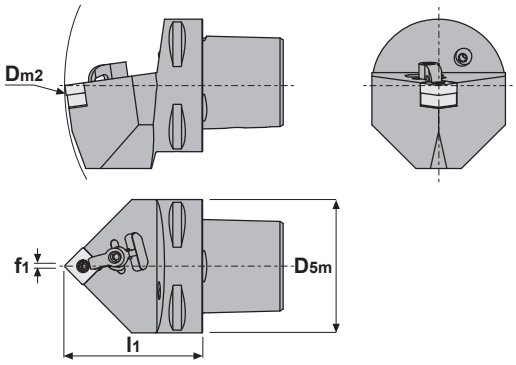
	DN..	l	s	d
Ref.	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						





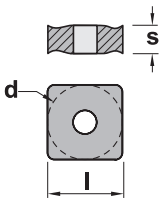
MSDN 45°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-MSDNN00048-12	32	124	0.3	48.0	-6°	-6°	3.9	SNM.. 1204..
	PSC40-MSDNN00050-12	40	140	0.3	50.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-MSDNN00060-12	50	165	0.3	60.0	-6°	-6°	3.9	SNM.. 1204..
	PSC63-MSDNN00065-12	63	190	0.3	65.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-MSDNN00060-15	50	165	0.5	60.0	-6°	-6°	6.4	SNM.. 1508..
	PSC63-MSDNN00065-15	63	190	0.5	65.0	-6°	-6°	6.4	SNM.. 1508..
	PSC50-MSDNN00065-19	50	170	0.5	65.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-MSDNN00070-19	63	195	0.5	70.0	-6°	-6°	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

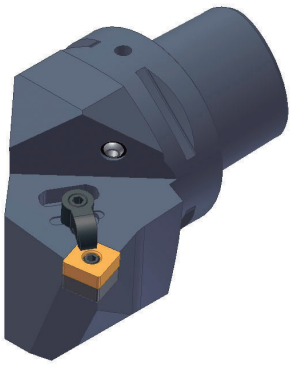
Ref.							
	PSC32-MSDNN00048-12	2613	1086	5003	ISSN-442	1657	5025
	PSC40-MSDNN00050-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSDNN00060-12	2613	1086	5003	ISSN-442	1657	5025
	PSC63-MSDNN00065-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSDNN00060-15	2614	1086	5003	ISSN-533	1673	5003
	PSC63-MSDNN00065-15	2614	1086	5003	ISSN-533	1673	5003
	PSC50-MSDNN00065-19	2614	1086	5003	ISSN-633	1674	5004
	PSC63-MSDNN00070-19	2614	1086	5003	ISSN-633	1674	5004

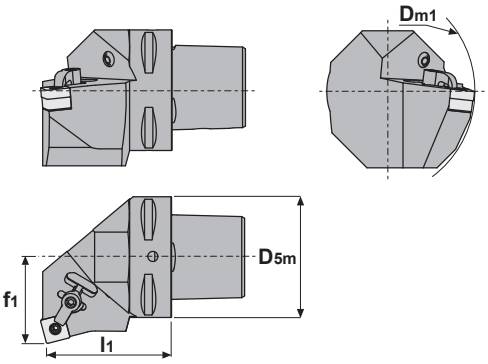


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





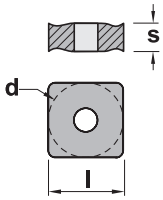
MSKN 75°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-MSKNR/L22040-12	32	60	22.0	40.0	-6°	-6°	3.9	SNM.. 1204..
	PSC40-MSKNR/L27050-12	40	110	27.0	50.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-MSKNR/L35060-12	50	110	35.0	60.0	-6°	-6°	3.9	SNM.. 1204..
	PSC63-MSKNR/L45065-12	63	110	45.0	65.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-MSKNR/L35060-15	50	125	35.0	60.0	-6°	-6°	6.4	SNM..1506..
	PSC63-MSKNR/L45065-15	63	125	45.0	65.0	-6°	-6°	6.4	SNM..1506..
	PSC50-MSKNR/L35060-19	50	125	35.0	60.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-MSKNR/L45065-19	63	125	45.0	65.0	-6°	-6°	6.4	SNM.. 1906..
	PSC80-MSKNR/L55080-19	80	125	55.0	80.0	-6°	-6°	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

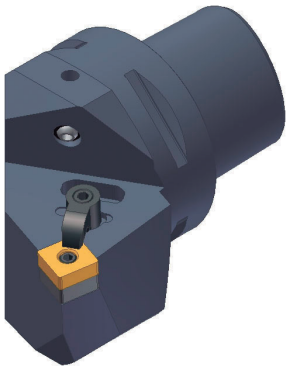
Ref.							
	PSC32-MSKNR/L22040-12	2613	1086	5003	ISSN-442	1657	5025
	PSC40-MSKNR/L27050-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSKNR/L35060-12	2613	1086	5003	ISSN-442	1657	5025
	PSC63-MSKNR/L45065-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSKNR/L35060-15	2614	1086	5003	ISSN-533	1673	5003
	PSC63-MSKNR/L45065-15	2614	1086	5003	ISSN-533	1673	5003
	PSC50-MSKNR/L35060-19	2614	1086	5003	ISSN-633	1674	5004
	PSC63-MSKNR/L45065-19	2614	1086	5003	ISSN-633	1674	5004
	PSC80-MSKNR/L55080-19	2614	1086	5003	ISSN-633	1674	5004

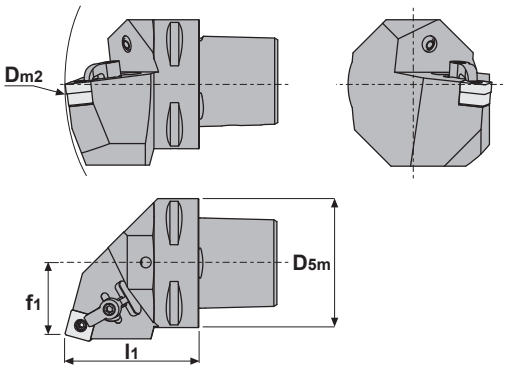


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





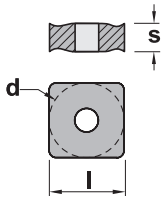
MSRN 75°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-MSRNR/L19048-12	32	124	19.0	48.0	-6°	-6°	3.9	SNM.. 1204..
	PSC40-MSRNR/L22050-12	40	140	22.0	50.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-MSRNR/L27060-12	50	165	27.0	60.0	-6°	-6°	3.9	SNM.. 1204..
	PSC63-MSRNR/L35065-12	63	190	35.0	65.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-MSRNR/L27060-15	50	165	27.0	60.0	-6°	-6°	6.4	SNM.. 1506..
	PSC63-MSRNR/L35065-15	63	190	35.0	65.0	-6°	-6°	6.4	SNM.. 1506..
	PSC50-MSRNR/L27060-19	50	165	27.0	60.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-MSRNR/L35065-19	63	190	35.0	65.0	-6°	-6°	6.4	SNM.. 1906..
	PSC80-MSRNR/L45080-19	80	250	45.0	80.0	-6°	-6°	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

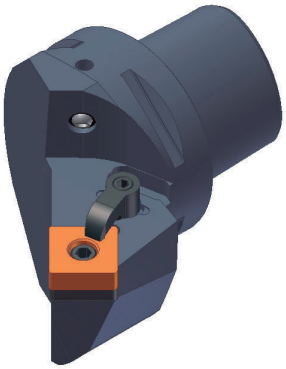
Ref.							
	PSC32-MSRNR/L19048-12	2613	1086	5003	ISSN-442	1657	5025
	PSC40-MSRNR/L22050-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSRNR/L27060-12	2613	1086	5003	ISSN-442	1657	5025
	PSC63-MSRNR/L35065-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSRNR/L27060-15	2614	1086	5003	ISSN-533	1673	5003
	PSC63-MSRNR/L35065-15	2614	1086	5003	ISSN-533	1673	5003
	PSC50-MSRNR/L27060-19	2614	1086	5003	ISSN-633	1674	5004
	PSC63-MSRNR/L35065-19	2614	1086	5003	ISSN-633	1674	5004
	PSC80-MSRNR/L45080-19	2614	1086	5003	ISSN-633	1674	5004

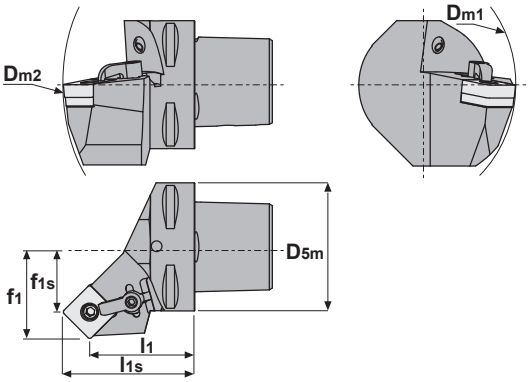


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





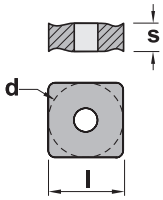
MSSN 45°

Characteristics:
PSC with internal coolant.

Ref.		D_{5m}	D_{m1} min.	D_{m2} min.	f_1	f_{1s}	l_1	l_{1s}	$y^{1)}$	$\lambda s^{2)}$	$Nm^{3)}$	Insert
	PSC32-MSSNR/L22040-12	32	60	124	22.0	13.7	40.0	48.3	-8°	0°	3.9	SNM.. 1204..
	PSC40-MSSNR/L27042-12	40	110	140	27.0	18.7	42.0	50.3	-8°	0°	3.9	SNM.. 1204..
	PSC50-MSSNR/L35052-12	50	110	165	35.0	26.7	52.0	60.3	-8°	0°	3.9	SNM.. 1204..
	PSC63-MSSNR/L45056-12	63	110	190	45.0	36.7	56.0	64.3	-8°	0°	3.9	SNM.. 1204..
	PSC40-MSSNR/L27045-15	40	125	145	27.0	16.8	45.0	55.2	-8°	0°	6.4	SNM.. 1506..
	PSC50-MSSNR/L35050-15	50	125	165	35.0	24.8	50.0	60.2	-8°	0°	6.4	SNM.. 1506..
	PSC63-MSSNR/L45054-15	63	125	190	45.0	34.8	54.0	64.2	-8°	0°	6.4	SNM.. 1506..
	PSC50-MSSNR/L35048-19	50	125	165	35.0	22.5	48.0	60.5	-8°	0°	6.4	SNM.. 1906..
	PSC63-MSSNR/L45052-19	63	125	190	45.0	32.5	52.0	64.5	-8°	0°	6.4	SNM.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

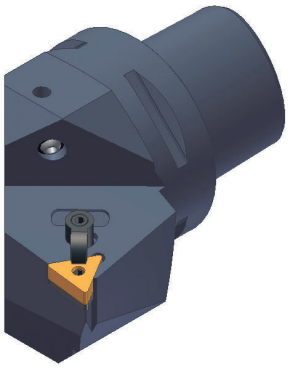
Ref.							
	PSC32-MSSNR/L22040-12	2613	1086	5003	ISSN-442	1657	5025
	PSC40-MSSNR/L27042-12	2613	1086	5003	ISSN-442	1657	5025
	PSC50-MSSNR/L35052-12	2613	1086	5003	ISSN-442	1657	5025
	PSC63-MSSNR/L45056-12	2613	1086	5003	ISSN-442	1657	5025
	PSC40-MSSNR/L27045-15	2614	1086	5003	ISSN-533	1673	5003
	PSC50-MSSNR/L35050-15	2614	1086	5003	ISSN-533	1673	5003
	PSC63-MSSNR/L45054-15	2614	1086	5003	ISSN-533	1673	5003
	PSC50-MSSNR/L35048-19	2614	1086	5003	ISSN-633	1674	5004
	PSC63-MSSNR/L45052-19	2614	1086	5003	ISSN-633	1674	5004

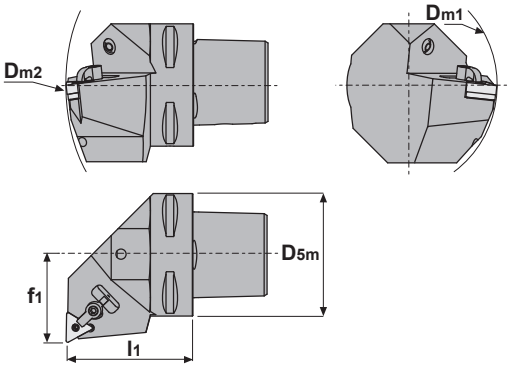


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





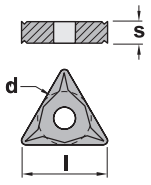
MTFN 90°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-MTFNR/L22040-16	32	60	116	22.0	40.0	-6°	-6°	1.7	TNM.. 1604..
	PSC40-MTFNR/L27050-16	40	110	140	27.0	50.0	-6°	-6°	1.7	TNM.. 1604..
	PSC50-MTFNR/L35060-16	50	110	165	35.0	60.0	-6°	-6°	1.7	TNM.. 1604..
	PSC63-MTFNR/L45065-16	63	110	190	45.0	65.0	-6°	-6°	1.7	TNM.. 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC32-MTFNR/L22040-16	2604	1085	5025	ITSN-342	1675	5002
	PSC40-MTFNR/L27050-16	2604	1085	5025	ITSN-342	1675	5002
	PSC50-MTFNR/L35060-16	2604	1085	5025	ITSN-342	1675	5002
	PSC63-MTFNR/L45065-16	2604	1085	5025	ITSN-342	1675	5002

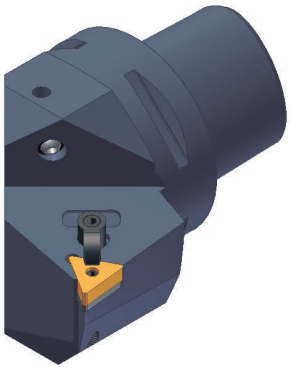


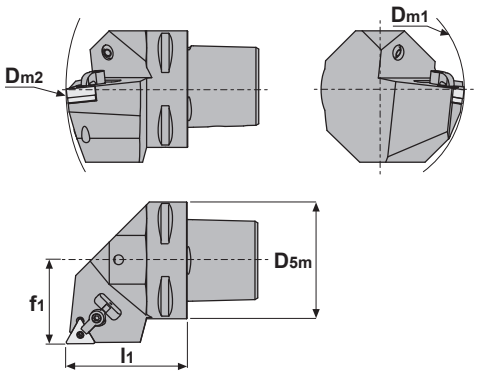
	TNM..	l	s	d
Ref.	TNM.. 1604..	16,50	4,76	9,52

Negative triangular inserts.

TNMA	TNMG-CF	TNMG-CFC
		

TNMG-CFM	TNMG-CM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMG-CS	TNMX R/L
						





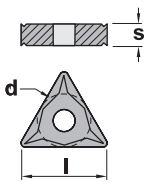
MTGN 90º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-MTGNR/L27050-16	40	110	140	27.0	50.0	-6º	-6º	1.7	TNM.. 1604..
	PSC50-MTGNR/L35060-16	50	110	165	35.0	60.0	-6º	-6º	1.7	TNM.. 1604..
	PSC63-MTGNR/L45065-16	63	110	190	45.0	65.0	-6º	-6º	1.7	TNM.. 1604..
	PSC63-MTGNR/L45065-22	63	110	190	45.0	65.0	-6º	-6º	3.9	TNM.. 2204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-MTGNR/L27050-16	2604	1085	5025	ITSN-342	1675	5002
	PSC50-MTGNR/L35060-16	2604	1085	5025	ITSN-342	1675	5002
	PSC63-MTGNR/L45065-16	2604	1085	5025	ITSN-342	1675	5002
	PSC63-MTGNR/L45065-22	2613	1086	5003	ITSN-442	1657	5025

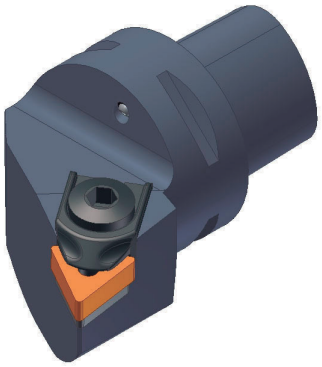


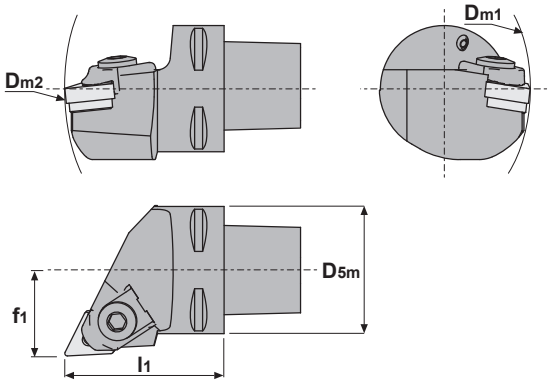
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

TNMA	TNMG-CF	TNMG-CFC
		

TNMG-CFM	TNMG-CM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMG-CS	TNMX R/L
						





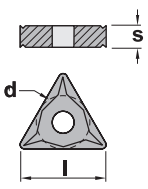
MTJN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-MTJNR/L22040-16	32	60	116	22.0	40.0	-6°	-6°	1.7	TNM.. 1604..
	PSC40-MTJNR/L27050-16	40	110	140	27.0	50.0	-6°	-6°	1.7	TNM.. 1604..
	PSC50-MTJNR/L35060-16	50	110	165	35.0	60.0	-6°	-6°	1.7	TNM.. 1604..
	PSC63-MTJNR/L45065-16	63	110	190	45.0	65.0	-6°	-6°	1.7	TNM.. 1604..
	PSC40-MTJNR/L27050-22	40	110	140	27.0	50.0	-6°	-6°	3.9	TNM.. 2204..
	PSC50-MTJNR/L35060-22	50	110	165	35.0	60.0	-6°	-6°	3.9	TNM.. 2204..
	PSC63-MTJNR/L45065-22	63	110	190	45.0	65.0	-6°	-6°	3.9	TNM.. 2204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.						
	PSC32-MTJNR/L22040-16	2014	5005	3414	1642	1393
	PSC40-MTJNR/L27050-16	2014	5005	3414	1642	1393
	PSC50-MTJNR/L35060-16	2014	5005	3414	1642	1393
	PSC63-MTJNR/L45065-16	2014	5005	3414	1642	1393
	PSC40-MTJNR/L27050-22	2024	5005	ITSN-433	1661	1394
	PSC50-MTJNR/L35060-22	2024	5005	ITSN-433	1661	1394
	PSC63-MTJNR/L45065-22	2024	5005	ITSN-433	1661	1394

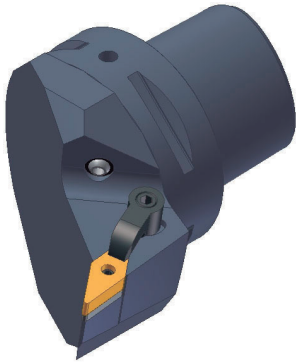


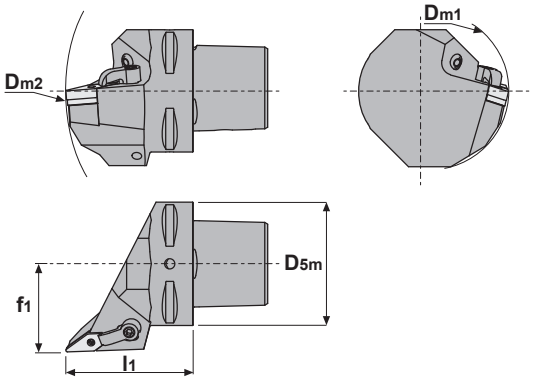
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52
	TNM.. 2204..	22,00	4,76	12,70

Negative triangular inserts.

TNMA	TNMG-CF	TNMG-CFC
		

TNMG-CFM	TNMG-CM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMG-CS	TNMX R/L
						





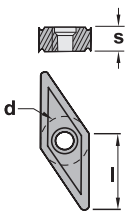
MVJN 93º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-MVJNR/L27062-16	40	60	152	27.0	62.0	-4º	-13º	3.0	VN.. 1604..
	PSC50-MVJNR/L35065-16	50	65	170	35.0	65.0	-4º	-13º	3.0	VN.. 1604..
	PSC63-MVJNR/L45065-16	63	81	190	45.0	65.0	-4º	-13º	3.0	VN.. 1604..
	PSC80-MVJNR/L55080-16	80	100	250	55.0	80.0	-4º	-13º	3.0	VN.. 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

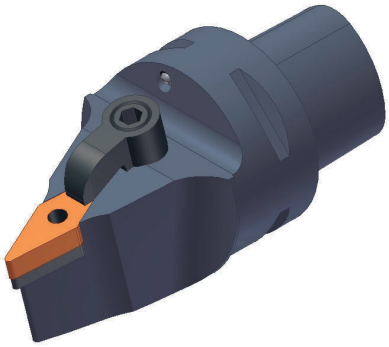
Ref.							
	PSC40-MVJNR/L27062-16	2616	1086	5003	IVSN-322	5002	1665
	PSC50-MVJNR/L35065-16	2616	1086	5003	IVSN-322	5002	1665
	PSC63-MVJNR/L45065-16	2616	1086	5003	IVSN-322	5002	1665
	PSC80-MVJNR/L55080-16	2616	1086	5003	IVSN-322	5002	1665

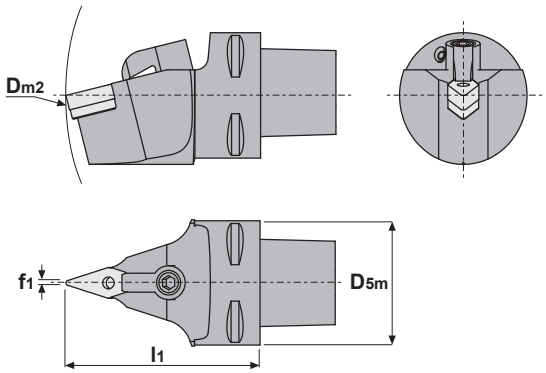


Ref.	VN..	l	s	d
	VN.. 1604..	16,50	4,76	9,52

Negative 35° rhombic inserts.

VNGP	VNMG	VNMG-CMC				
						





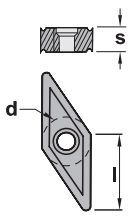
MVVN 72° 30’

Characteristics:
PSC with internal coolant.

		D_{5m}	D_{m2} min.	f_1	l_1	$y^{1)}$	$\lambda s^{2)}$	$Nm^{3)}$	Insert
Ref.	**PSC40-MVVNN00062-16**	40	152	0.6	62.0	-4°	-13°	3.0	VN.. 1604..
	PSC50-MVVNN00065-16	50	170	0.6	65.0	-4°	-13°	3.0	VN.. 1604..
	PSC63-MVVNN00065-16	63	190	0.6	65.0	-4°	-13°	3.0	VN.. 1604..
	PSC80-MVVNN00080-16	80	250	0.6	80.0	-4°	-13°	3.0	VN.. 1604..

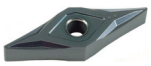
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

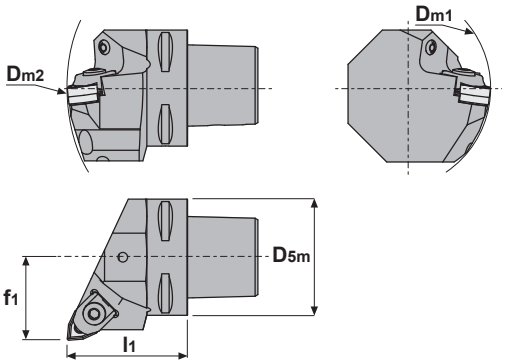
Ref.	**PSC40-MVVNN00062-16**	2604	1085	5025	IVSN-322	5002	1665
	PSC50-MVVNN00065-16	2604	1085	5025	IVSN-322	5002	1665
	PSC63-MVVNN00065-16	2604	1085	5025	IVSN-322	5002	1665
	PSC80-MVVNN00080-16	2604	1085	5025	IVSN-322	5002	1665



	VN..	l	s	d
Ref.	**VN.. 1604..**	16,50	4,76	9,52

Negative 35° rhombic inserts.

VNGP	VNMG	VNMG-CMC				
						



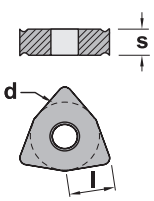
MWLN 95°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-MWLNR/L22040-06	32	60	116	22.0	40.0	-6°	-6°	1.7	WNMG 0604..
	PSC40-MWLNR/L27050-06	40	60	140	27.0	50.0	-6°	-6°	1.7	WNMG 0604..
	PSC40-MWLNR/L27050-08	40	110	140	27.0	50.0	-6°	-6°	3.9	WNMG 0804..
	PSC50-MWLNR/L35060-08	50	110	165	35.0	60.0	-6°	-6°	3.9	WNMG 0804..
	PSC63-MWLNR/L45065-08	63	110	190	45.0	65.0	-6°	-6°	3.9	WNMG 0804..
	PSC80-MWLNR/L55080-08	80	110	250	55.0	80.0	-6°	-6°	3.9	WNMG 0804..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

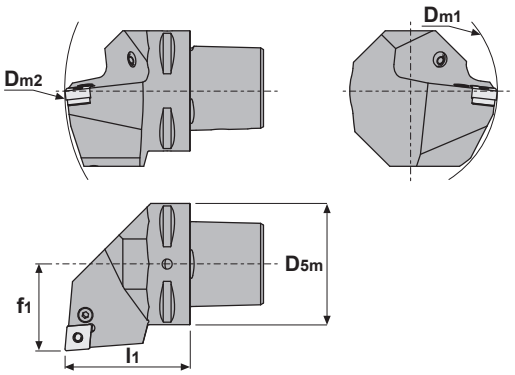
Ref.						
	PSC32-MWLNR/L22040-06	2006	5005	3006	1644	1813
	PSC40-MWLNR/L27050-06	2006	5005	3006	1642	1393
	PSC40-MWLNR/L27050-08	2011	5005	IWSN-433	1661	1394
	PSC50-MWLNR/L35060-08	2011	5005	IWSN-433	1661	1394
	PSC63-MWLNR/L45065-08	2011	5005	IWSN-433	1661	1394
	PSC80-MWLNR/L55080-08	2011	5005	IWSN-433	1661	1394



Ref.	WNMG	l	s	d
	WNMG 0604..	6,45	4,76	9,52
	WNMG 0804..	8,14	4,76	12,70

Negative 80° trigon inserts.

WNMG-CF	WNMG-CFM	WNMG-CM	WNMG-CMC	WNMG-CMF	WNMG-CMR	WNMG-CS
						



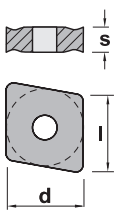
PCLN 95º

Characteristics:
PSC with internal coolant.

		D5m	Dm1 mín.	Dm2 mín.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-PCLNR/L22040-12	32	60	124	22.0	40.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-PCLNR/L27050-12	40	110	140	27.0	50.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-PCLNR/L35060-12	50	110	165	35.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-PCLNR/L45065-12	63	110	190	45.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC80-PCLNR/L55080-12	80	110	250	55.0	80.0	-6º	-6º	3.9	CN.. 1204..
	PSC40-PCLNR/L27050-16	40	125	140	27.0	50.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-PCLNR/L35060-16	50	125	165	35.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-PCLNR/L45065-16	63	125	190	45.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC80-PCLNR/L55080-16	80	125	250	55.0	80.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-PCLNR/L35060-19	50	125	165	35.0	60.0	-6º	-6º	6.4	CN.. 1906..
	PSC63-PCLNR/L45065-19	63	125	190	45.0	65.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-PCLNR/L55080-19	80	125	250	55.0	80.0	-6º	-6º	6.4	CN.. 1906..
	PSC80-PCLNR/L55080-25	80	150	250	55.0	80.0	-6º	-6º	9.5	CN.. 2509..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC32-PCLNR/L22040-12	8012	1608	5003	3612	4112	0012
	PSC40-PCLNR/L27050-12	8012	1608	5003	3612	4112	0012
	PSC50-PCLNR/L35060-12	8012	1608	5003	3612	4112	0012
	PSC63-PCLNR/L45065-12	8012	1608	5003	3612	4112	0012
	PSC80-PCLNR/L55080-12	8012	1608	5003	3612	4112	0012
	PSC40-PCLNR/L27050-16	8016	1618	5003	3616	4115	0015
	PSC50-PCLNR/L35060-16	8016	1618	5003	3616	4115	0015
	PSC63-PCLNR/L45065-16	8016	1618	5003	3616	4115	0015
	PSC80-PCLNR/L55080-16	8016	1618	5003	3616	4115	0015
	PSC50-PCLNR/L35060-19	8019	1610	5004	3619	4119	0019
	PSC63-PCLNR/L45065-19	8019	1610	5004	3619	4119	0019
	PSC80-PCLNR/L55080-19	8019	1610	5004	3619	4119	0019
	PSC80-PCLNR/L55080-25	8025	1612	5005	3625	4125	0025

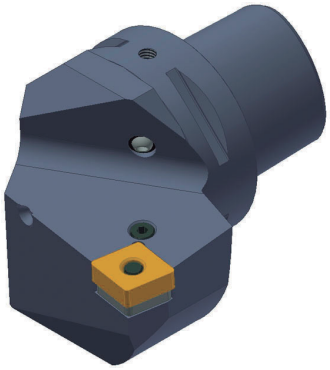


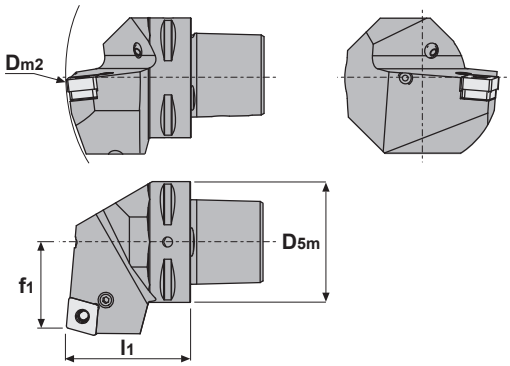
CN..	l	s	d
Ref. CN.. 1204..	12,90	4,76	12,70
CN.. 1606..	16,10	6,35	15,88
CN.. 1906..	19,30	6,35	19,05
CN.. 2509..	25,80	9,52	25,40

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





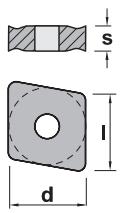
PCRN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC50-PCRNR/L27060-12	50	165	27.0	60.0	-6º	-6º	3.9	CN.. 1204..
	PSC63-PCRNR/L35065-12	63	190	35.0	65.0	-6º	-6º	3.9	CN.. 1204..
	PSC50-PCRNR/L27060-16	50	165	27.0	60.0	-6º	-6º	6.4	CN.. 1606..
	PSC63-PCRNR/L35065-16	63	190	35.0	65.0	-6º	-6º	6.4	CN.. 1606..
	PSC50-PCRNR/L27060-19	50	165	27.0	60.0	-6º	-6º	6.4	CN.. 1906..
	PSC63-PCRNR/L35065-19	63	190	35.0	65.0	-6º	-6º	6.4	CN.. 1906..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC50-PCRNR/L27060-12	8012	1608	5003	3612	4112	0012
	PSC63-PCRNR/L35065-12	8012	1608	5003	3612	4112	0012
	PSC50-PCRNR/L27060-16	8016	1618	5003	3616	4115	0015
	PSC63-PCRNR/L35065-16	8016	1618	5003	3616	4115	0015
	PSC50-PCRNR/L27060-19	8019	1610	5004	3619	4119	0019
	PSC63-PCRNR/L35065-19	8019	1610	5004	3619	4119	0019

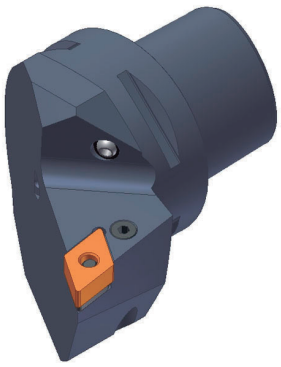


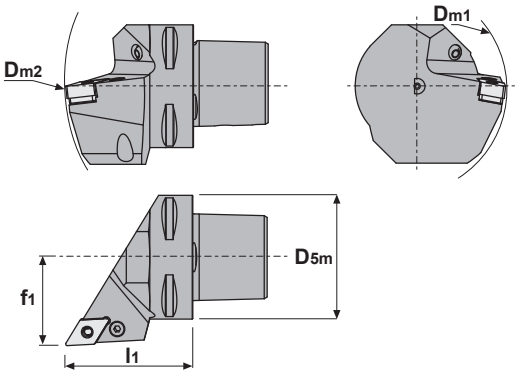
Ref.	CN..	l	s	d
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88
	CN.. 1906..	19,30	6,35	19,05

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





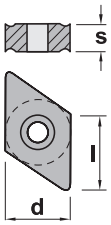
PDJN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-PDJNR/L27055-15	40	110	145	27.0	55.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-PDJNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-PDJNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-PDJNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

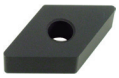
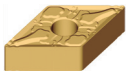
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

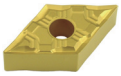
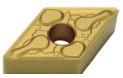
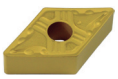
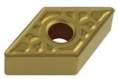
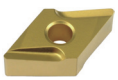
Ref.									
	PSC40-PDJNR/L27055-15	8415	1638	5003	3715	4112	0012	3725	4135
	PSC50-PDJNR/L35060-15	8415	1638	5003	3715	4112	0012	3725	4135
	PSC63-PDJNR/L45065-15	8415	1638	5003	3715	4112	0012	3725	4135
	PSC80-PDJNR/L55080-15	8415	1638	5003	3715	4112	0012	3725	4135
								For inserts DNM.. 1504..	

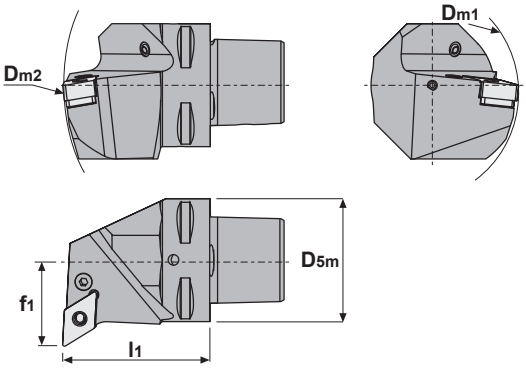


Ref.	DN..	l	s	d
	DN.. 1504..	15,50	4,76	12,70
	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						



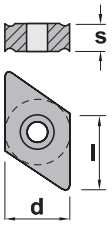
PDUN 93°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-PDUNR/L27050-15	40	110	140	27.0	50.0	-6°	-7°	3.9	DN.. 1506..
	PSC50-PDUNR/L35060-15	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1506..
	PSC63-PDUNR/L45065-15	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1506..
	PSC80-PDUNR/L55080-15	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1506..

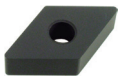
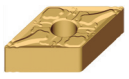
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

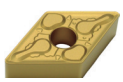
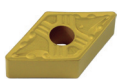
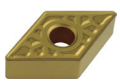
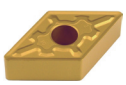
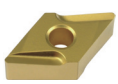
Ref.	PSC40-PDUNR/L27050-15	8415	1638	5003	3715	4112	0012
	PSC50-PDUNR/L35060-15	8415	1638	5003	3715	4112	0012
	PSC63-PDUNR/L45065-15	8415	1638	5003	3715	4112	0012
	PSC80-PDUNR/L55080-15	8415	1638	5003	3715	4112	0012

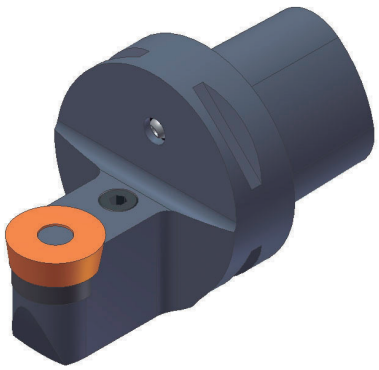


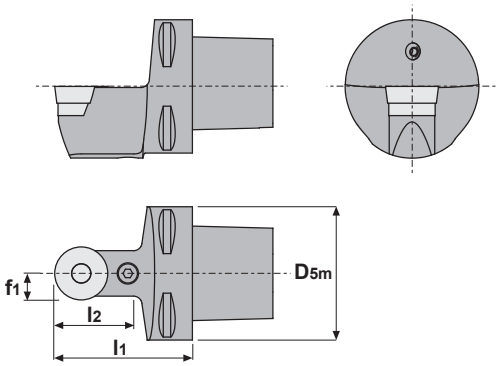
	DN..	l	s	d
Ref.	DN.. 1506..	15,50	6,35	12,70

Negative 55° rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						





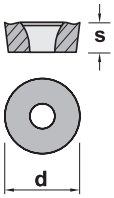
PRDC

Characteristics:
PSC with internal coolant.

Ref.		D_{5m}	f_1	l_1	$y^{1)}$	$\lambda s^{2)}$	l_2	Insert
	PSC63-PRDCN00065-25	63	12.5	65.0	0°	0°	40	RC.. 2507M0
	PSC80-PRDCN00080-25	80	12.5	80.0	0°	0°	40	RC.. 2507M0
	PSC80-PRDCN00080-32	80	16.0	80.0	0°	0°	45	RC.. 3209M0

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

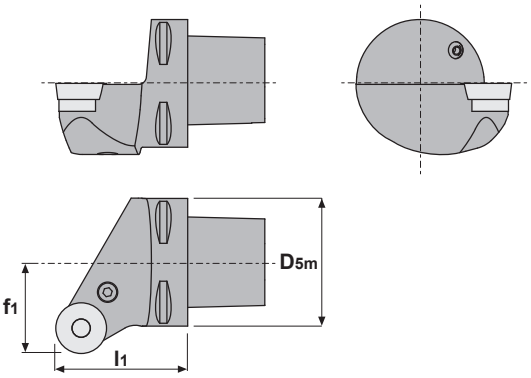
Ref.							
	PSC63-PRDCN00065-25	8125	1710	5004	3825	4119	0019
	PSC80-PRDCN00080-25	8125	1710	5004	3825	4119	0019
	PSC80-PRDCN00080-32	8132	1612	5005	3832	4125	0025



Ref.	RC..	s	d
	RC.. 2507M0	7,94	25,00
	RC.. 3209M0	9,52	32,00

Positive 7° clearance - Round inserts.

RCGT-AL	RCGT-AP	RCMT				
						



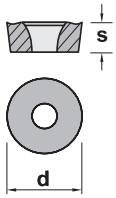
PRSC

Characteristics:
PSC with internal coolant.

Ref.		D5m	f1	l1	y1)	λs2)	Insert
	PSC80-PRSCR/L55080-20	80	55.0	80.0	0°	0°	RC.. 2006M0
	PSC63-PRSCR/L45065-25	63	45.0	65.0	0°	0°	RC.. 2507M0
	PSC80-PRSCR/L55080-25	80	55.0	80.0	0°	0°	RC.. 2507M0
	PSC80-PRSCR/L55080-32	80	55.0	80.0	0°	0°	RC.. 3209M0

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

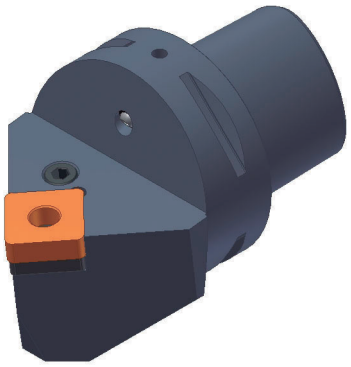
Ref.							
	PSC80-PRSCR/L55080-20	8120	1708	5003	3820	4115	0015
	PSC63-PRSCR/L45065-25	8125	1710	5004	3825	4119	0019
	PSC80-PRSCR/L55080-25	8125	1710	5004	3825	4119	0019
	PSC80-PRSCR/L55080-32	8132	1612	5005	3832	4125	0025

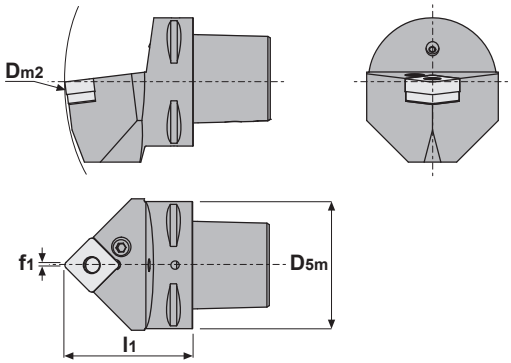


Ref.	RC..	s	d
	RC.. 2006M0	6,35	20,00
	RC.. 2507M0	7,94	25,00
	RC.. 3209M0	9,52	32,00

Positive 7° clearance - Round inserts.

RCGT-AL	RCGT-AP	RCMT				
						





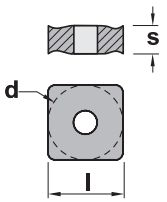
PSDN 45°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-PSDNN00050-12	40	140	0.3	50.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-PSDNN00060-12	50	165	0.3	60.0	-6°	-6°	3.9	SNM.. 1204..
	PSC63-PSDNN00065-12	63	190	0.3	65.0	-6°	-6°	3.9	SNM.. 1204..
	PSC40-PSDNN00050-15	40	140	0.5	50.0	-6°	-6°	6.4	SNM.. 1506..
	PSC50-PSDNN00060-15	50	165	0.5	60.0	-6°	-6°	6.4	SNM.. 1506..
	PSC63-PSDNN00065-15	63	190	0.5	65.0	-6°	-6°	6.4	SNM.. 1506..
	PSC50-PSDNN00060-19	50	170	0.5	60.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-PSDNN00065-19	63	195	0.5	65.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-PSDNN00065-25	63	195	1.0	65.0	-6°	-6°	9.5	SNM.. 2507..
	PSC80-PSDNN00080-25	80	250	1.0	80.0	-6°	-6°	9.5	SNM.. 2507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

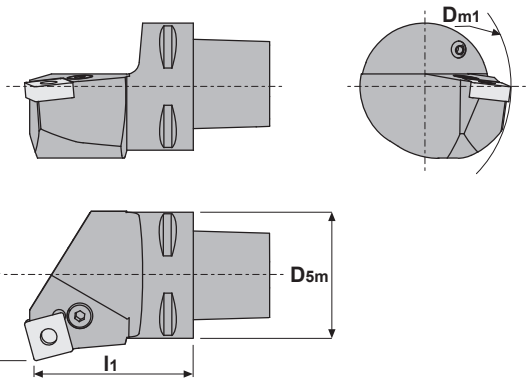
Ref.							
	PSC40-PSDNN00050-12	8012	1608	5003	3512	4112	0012
	PSC50-PSDNN00060-12	8012	1608	5003	3512	4112	0012
	PSC63-PSDNN00065-12	8012	1608	5003	3512	4112	0012
	PSC40-PSDNN00050-15	8016	1618	5003	3515	4115	0015
	PSC50-PSDNN00060-15	8016	1618	5003	3515	4115	0015
	PSC63-PSDNN00065-15	8016	1618	5003	3515	4115	0015
	PSC50-PSDNN00060-19	8019	1610	5004	3519	4119	0019
	PSC63-PSDNN00065-19	8019	1610	5004	3519	4119	0019
	PSC63-PSDNN00065-25	8025	1612	5005	3525	4125	0025
	PSC80-PSDNN00080-25	8025	1612	5005	3525	4125	0025



Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						



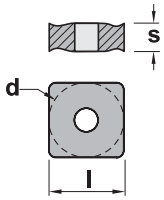
PSKN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-PSKNR/L27050-12	40	110	27.0	50.0	-6º	-6º	3.9	SNM.. 1204..
	PSC50-PSKNR/L35060-12	50	110	35.0	60.0	-6º	-6º	3.9	SNM.. 1204..
	PSC63-PSKNR/L45065-12	63	110	45.0	65.0	-6º	-6º	3.9	SNM.. 1204..
	PSC50-PSKNR/L35060-15	50	125	35.0	60.0	-6º	-6º	3.9	SNM.. 1506..
	PSC63-PSKNR/L45065-15	63	125	45.0	65.0	-6º	-6º	3.9	SNM.. 1506..
	PSC50-PSKNR/L35060-19	50	125	35.0	60.0	-6º	-6º	6.4	SNM.. 1906..
	PSC63-PSKNR/L45065-19	63	125	45.0	65.0	-6º	-6º	6.4	SNM.. 1906..
	PSC80-PSKNR/L55080-19	80	125	55.0	80.0	-6º	-6º	6.4	SNM.. 1906..
	PSC80-PSKNR/L55080-25	80	150	55.0	80.0	-6º	-6º	9.5	SNM.. 2507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

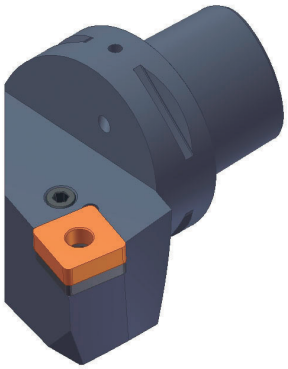
Ref.							
	PSC40-PSKNR/L27050-12	8012	1608	5003	3512	4112	0012
	PSC50-PSKNR/L35060-12	8012	1608	5003	3512	4112	0012
	PSC63-PSKNR/L45065-12	8012	1608	5003	3512	4112	0012
	PSC50-PSKNR/L35060-15	8016	1618	5003	3515	4115	0015
	PSC63-PSKNR/L45065-15	8016	1618	5003	3515	4115	0015
	PSC50-PSKNR/L35060-19	8019	1610	5004	3519	4119	0019
	PSC63-PSKNR/L45065-19	8019	1610	5004	3519	4119	0019
	PSC80-PSKNR/L55080-19	8019	1610	5004	3519	4119	0019
	PSC80-PSKNR/L55080-25	8025	1612	5005	3525	4125	0025

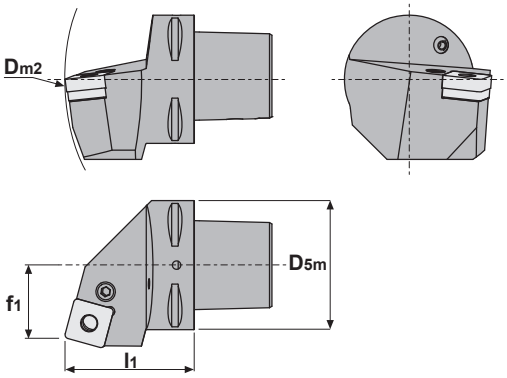


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





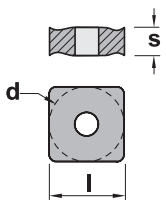
PSRN 75°

Characteristics:
PSC with internal coolant.

		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-PSRNR/L17040-12	32	124	17.0	40.0	-6°	-6°	3.9	SNM.. 1204..
	PSC40-PSRNR/L22050-12	40	140	22.0	50.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-PSRNR/L27060-12	50	165	27.0	60.0	-6°	-6°	3.9	SNM.. 1204..
	PSC63-PSRNR/L35065-12	63	190	35.0	65.0	-6°	-6°	3.9	SNM.. 1204..
	PSC50-PSRNR/L27060-15	50	165	27.0	60.0	-6°	-6°	6.4	SNM.. 1506..
	PSC63-PSRNR/L35065-15	63	190	35.0	65.0	-6°	-6°	6.4	SNM.. 1506..
	PSC50-PSRNR/L27060-19	50	165	27.0	60.0	-6°	-6°	6.4	SNM.. 1906..
	PSC63-PSRNR/L35065-19	63	190	35.0	65.0	-6°	-6°	6.4	SNM.. 1906..
	PSC80-PSRNR/L45080-19	80	250	45.0	80.0	-6°	-6°	6.4	SNM.. 1906..
	PSC80-PSRNR/L45080-25	80	250	45.0	80.0	-6°	-6°	9.5	SNM.. 2507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

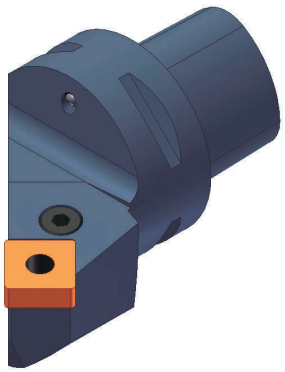
Ref.	PSC32-PSRNR/L17040-12	8012	1608	5003	3512	4112	0012
	PSC40-PSRNR/L22050-12	8012	1608	5003	3512	4112	0012
	PSC50-PSRNR/L27060-12	8012	1608	5003	3512	4112	0012
	PSC63-PSRNR/L35065-12	8012	1608	5003	3512	4112	0012
	PSC50-PSRNR/L27060-15	8016	1618	5003	3515	4115	0015
	PSC63-PSRNR/L35065-15	8016	1618	5003	3515	4115	0015
	PSC50-PSRNR/L27060-19	8019	1610	5004	3519	4119	0019
	PSC63-PSRNR/L35065-19	8019	1610	5004	3519	4119	0019
	PSC80-PSRNR/L45080-19	8019	1610	5004	3519	4119	0019
	PSC80-PSRNR/L45080-25	8025	1612	5005	3525	4125	0025

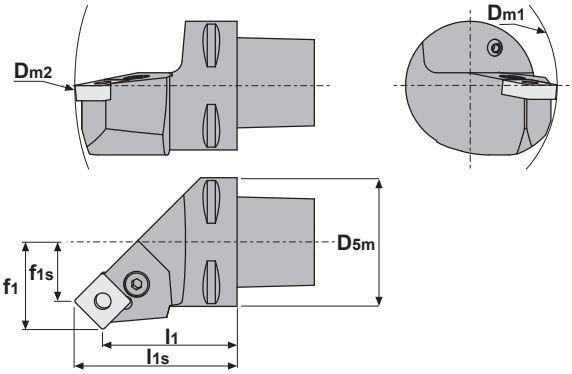


	SNM..	l	s	d
Ref.	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





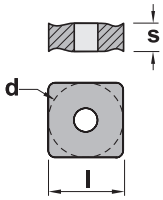
PSSN 45°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	f1s	l1	l1s	y1)	λs2)	Nm3)	Insert
	PSC32-PSSNR/L22032-12	32	60	124	22.0	13.7	32.0	40.3	-8°	0°	3.9	SNM.. 1204..
	PSC40-PSSNR/L27042-12	40	110	140	27.0	18.7	42.0	50.3	-8°	0°	3.9	SNM.. 1204..
	PSC50-PSSNR/L35052-12	50	110	165	35.0	26.7	52.0	60.3	-8°	0°	3.9	SNM.. 1204..
	PSC63-PSSNR/L45056-12	63	110	190	45.0	36.7	56.0	64.3	-8°	0°	3.9	SNM.. 1204..
	PSC63-PSSNR/L45054-15	63	125	190	45.0	34.8	54.0	64.2	-8°	0°	6.4	SNM.. 1506..
	PSC63-PSSNR/L45052-19	63	125	190	45.0	32.5	52.0	64.5	-8°	0°	6.4	SNM.. 1906..
	PSC80-PSSNR/L55070-25	80	150	256	55.0	39.0	70.0	86.0	-8°	0°	9.5	SNM.. 2507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

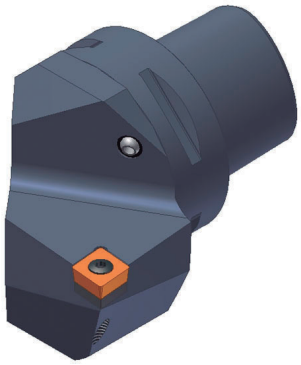
Ref.							
	PSC32-PSSNR/L22032-12	8012	1608	5003	3512	4112	0012
	PSC40-PSSNR/L27042-12	8012	1608	5003	3512	4112	0012
	PSC50-PSSNR/L35052-12	8012	1608	5003	3512	4112	0012
	PSC63-PSSNR/L45056-12	8012	1608	5003	3512	4112	0012
	PSC63-PSSNR/L45054-15	8016	1618	5003	3515	4115	0015
	PSC63-PSSNR/L45052-19	8019	1610	5004	3519	4119	0019
	PSC80-PSSNR/L55070-25	8025	1612	5005	3525	4125	0025

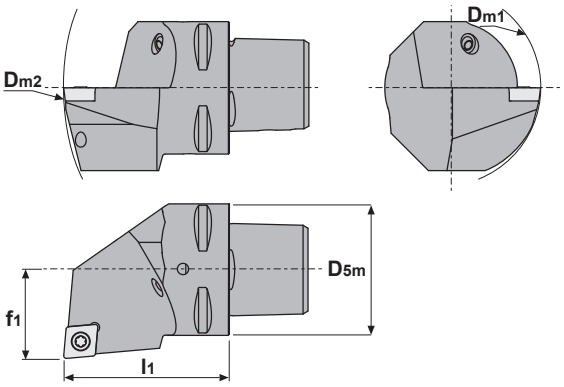


Ref.	SNM..	l	s	d
	SNM.. 1204..	12,70	4,76	12,70
	SNM.. 1506..	15,88	6,35	15,88
	SNM.. 1906..	19,05	6,35	19,05
	SNM.. 2507..	25,40	7,94	25,40

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						





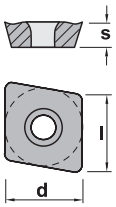
SCLC 95°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-SCLCR/L22040-09	32	80	124	22.0	40.0	0°	0°	3.0	CC.. 09T3..
	PSC40-SCLCR/L27050-09	40	80	140	27.0	50.0	0°	0°	3.0	CC.. 09T3..
	PSC50-SCLCR/L35060-09	50	80	165	35.0	60.0	0°	0°	3.0	CC.. 09T3..
	PSC63-SCLCR/L45065-09	63	80	190	45.0	65.0	0°	0°	3.0	CC.. 09T3..
	PSC32-SCLCR/L22040-12	32	110	124	22.0	40.0	0°	0°	3.0	CC.. 1204..
	PSC40-SCLCR/L27050-12	40	110	140	27.0	50.0	0°	0°	3.0	CC.. 1204..
	PSC50-SCLCR/L35060-12	50	110	165	35.0	60.0	0°	0°	3.0	CC.. 1204..
	PSC63-SCLCR/L45065-12	63	110	190	45.0	65.0	0°	0°	3.0	CC.. 1204..

1) γ= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

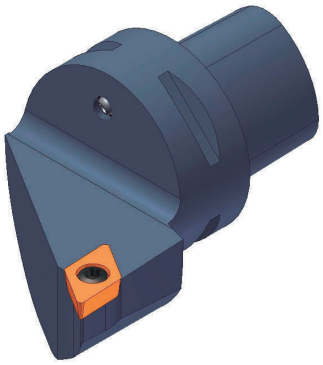
Ref.					
	PSC32-SCLCR/L22040-09	1240	5515	-	-
	PSC40-SCLCR/L27050-09	1240	5515	-	-
	PSC50-SCLCR/L35060-09	1240	5515	-	-
	PSC63-SCLCR/L45065-09	1240	5515	-	-
	PSC32-SCLCR/L22040-12	1540	5517	3614	1760
	PSC40-SCLCR/L27050-12	1540	5517	3614	1760
	PSC50-SCLCR/L35060-12	1540	5517	3614	1760
	PSC63-SCLCR/L45065-12	1540	5517	3614	1760

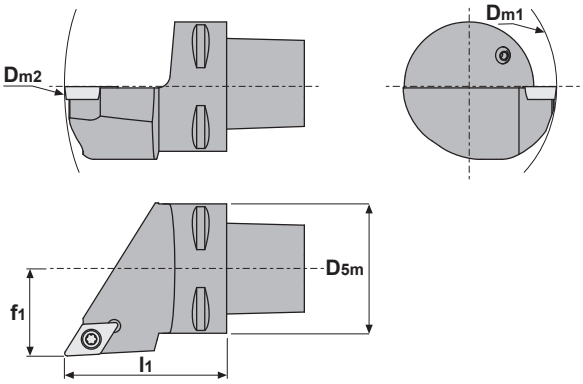


Ref.	CC..	l	s	d
	CC.. 09T3..	9,65	3,97	9,52
	CC.. 1204..	12,90	4,76	12,70

Positive 7° clearance - 80° rhombic inserts.

CCGT-AL	CCGT-AP	CCMT-03	CCMW			
						





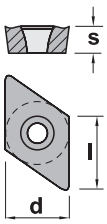
SDJC 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-SDJCR/L22040-07	32	80	124	22.0	40.0	0°	0°	0.9	DC.. 0702..
	PSC40-SDJCR/L27050-07	40	80	140	27.0	50.0	0°	0°	0.9	DC.. 0702..
	PSC32-SDJCR/L22040-11	32	110	124	22.0	40.0	0°	0°	3.0	DC.. 11T3..
	PSC40-SDJCR/L27050-11	40	110	140	27.0	50.0	0°	0°	3.0	DC.. 11T3..
	PSC50-SDJCR/L35060-11	50	110	165	35.0	60.0	0°	0°	3.0	DC.. 11T3..
	PSC63-SDJCR/L45065-11	63	110	190	45.0	65.0	0°	0°	3.0	DC.. 11T3..

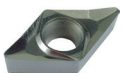
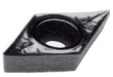
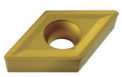
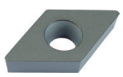
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

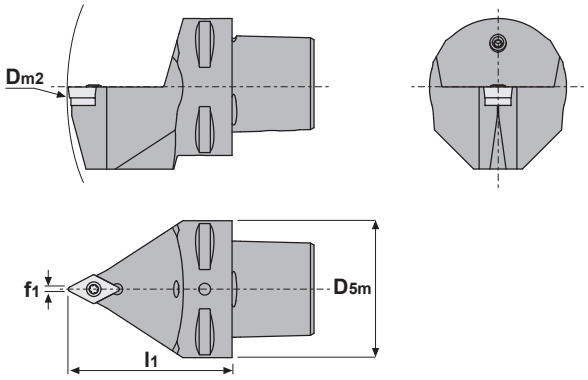
Ref.					
	PSC32-SDJCR/L22040-07	1225	5507	-	-
	PSC40-SDJCR/L27050-07	1225	5507	-	-
	PSC32-SDJCR/L22040-11	1335	5516	3714	1750
	PSC40-SDJCR/L27050-11	1335	5516	3714	1750
	PSC50-SDJCR/L35060-11	1335	5516	3714	1750
	PSC63-SDJCR/L45065-11	1335	5516	3714	1750



Ref.	DC..	l	s	d
	DC.. 0702..	7,75	2,38	6,35
	DC.. 11T3..	11,60	3,97	9,52

Positive 7° clearance - 55° rhombic inserts.

DCGT-AL	DCGT-AP	DCMT-03	DCMW			
						



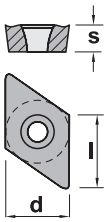
SDNC 62° 30'

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-SDNCN00040-11	32	124	0.5	40.0	0°	0°	3.0	DC.. 11T3..
	PSC40-SDNCN00050-11	40	140	0.5	50.0	0°	0°	3.0	DC.. 11T3..
	PSC50-SDNCN00060-11	50	165	0.5	60.0	0°	0°	3.0	DC.. 11T3..

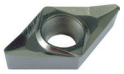
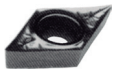
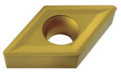
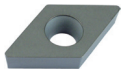
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

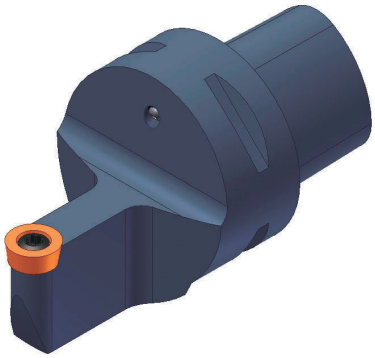
Ref.					
	PSC32-SDNCN00040-11	1335	5516	3714	1750
	PSC40-SDNCN00050-11	1335	5516	3714	1750
	PSC50-SDNCN00060-11	1335	5516	3714	1750

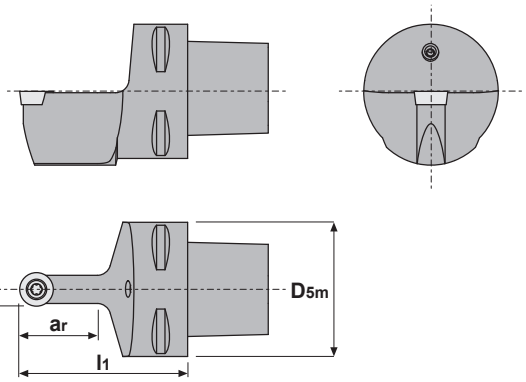


Ref.	DC..	l	s	d
	DC.. 11T3..	11,60	3,97	9,52

Positive 7° clearance - 55° rhombic inserts.

DCGT-AL	DCGT-AP	DCMT-03	DCMW			
						



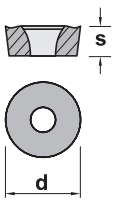


SRDC

Characteristics:
PSC with internal coolant.

Ref.		ar	D5m	f1	l1	y1)	λs2)	Nm3)	Insert				
	PSC32-SRDCN00040-06	12	32	3.0	40.0	0°	0°	0.9	RC.. 0602M0	1225	5507	-	-
	PSC40-SRDCN00050-06	12	40	3.0	50.0	0°	0°	0.9	RC.. 0602M0	1225	5507	-	-
	PSC50-SRDCN00060-06	12	50	3.0	60.0	0°	0°	0.9	RC.. 0602M0	1225	5507	-	-
	PSC32-SRDCN00040-08	16	32	4.0	40.0	0°	0°	1.4	RC.. 0803M0	1230	5508	-	-
	PSC40-SRDCN00050-08	16	40	4.0	50.0	0°	0°	1.4	RC.. 0803M0	1230	5508	-	-
	PSC50-SRDCN00060-08	16	50	4.0	60.0	0°	0°	1.4	RC.. 0803M0	1230	5508	-	-
	PSC32-SRDCN00040-10	20	32	5.0	40.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC40-SRDCN00050-10	25	40	5.0	50.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC50-SRDCN00060-10	25	50	5.0	60.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC63-SRDCN00065-10	25	63	5.0	65.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC40-SRDCN00050-12	28	40	6.0	50.0	0°	0°	3.0	RC.. 1204M0	1335	5516	3814	1750
	PSC50-SRDCN00060-12	28	50	6.0	60.0	0°	0°	3.0	RC.. 1204M0	1335	5516	3814	1750
	PSC63-SRDCN00065-12	28	63	6.0	65.0	0°	0°	3.0	RC.. 1204M0	1335	5516	3814	1750
	PSC50-SRDCN00060-16	35	50	8.0	60.0	0°	0°	6.4	RC.. 1606M0	1540	5517	3816	1765
	PSC63-SRDCN00065-16	35	63	8.0	65.0	0°	0°	6.4	RC.. 1606M0	1540	5517	3816	1765
	PSC50-SRDCN00060-20	40	50	10.0	60.0	0°	0°	9.5	RC.. 2006M0	1360	5520	3919	1059
	PSC63-SRDCN00065-20	40	63	10.0	65.0	0°	0°	9.5	RC.. 2006M0	1360	5520	3919	1059

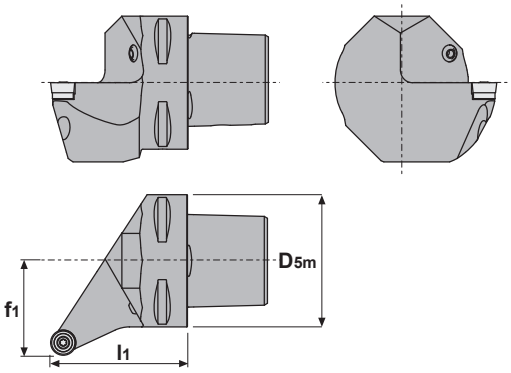
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.



Ref.	RC..	s	d
	RC.. 0602M0	2,38	6,00
	RC.. 0803M0	3,18	8,00
	RC.. 10T3M0	3,97	10,00
	RC.. 1204M0	4,76	12,00
	RC.. 1606M0	6,35	16,00
	RC.. 2006M0	6,35	20,00

Positive 7° clearance - Round inserts.

RCGT-AL	RCMT					
						

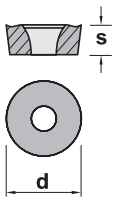


SRSC 45°

Characteristics:
PSC with internal coolant.

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

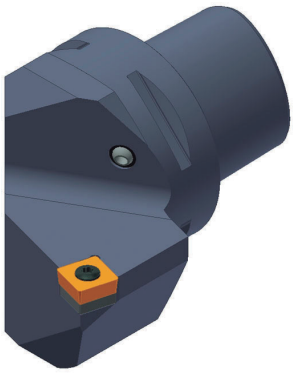
Ref.		D5m	f1	l1	y1)	λs2)	Nm3)	Insert				
	PSC32-SRSCR/L22040-06	32	22.0	40.0	0°	0°	0.9	RC.. 0602M0	1225	5507	-	-
	PSC40-SRSCR/L27050-06	40	27.0	50.0	0°	0°	0.9	RC.. 0602M0	1225	5507	-	-
	PSC50-SRSCR/L35060-06	50	35.0	60.0	0°	0°	0.9	RC.. 0602M0	1225	5507	-	-
	PSC32-SRSCR/L22040-08	32	22.0	40.0	0°	0°	1.4	RC.. 0803M0	1230	5508	-	-
	PSC40-SRSCR/L27050-08	40	27.0	50.0	0°	0°	1.4	RC.. 0803M0	1230	5508	-	-
	PSC50-SRSCR/L35060-08	50	35.0	60.0	0°	0°	1.4	RC.. 0803M0	1230	5508	-	-
	PSC32-SRSCR/L22040-10	32	22.0	40.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC40-SRSCR/L27050-10	40	27.0	50.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC50-SRSCR/L35060-10	50	35.0	60.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC63-SRSCR/L45065-10	63	45.0	65.0	0°	0°	3.0	RC.. 10T3M0	1335	5516	3811	1750
	PSC40-SRSCR/L27050-12	40	27.0	50.0	0°	0°	3.0	RC.. 1204M0	1335	5516	3814	1750
	PSC50-SRSCR/L35060-12	50	35.0	60.0	0°	0°	3.0	RC.. 1204M0	1335	5516	3814	1750
	PSC63-SRSCR/L45065-12	63	45.0	65.0	0°	0°	3.0	RC.. 1204M0	1335	5516	3814	1750
	PSC50-SRSCR/L35060-16	50	35.0	60.0	0°	0°	6.4	RC.. 1606M0	1540	5517	3816	1765
	PSC63-SRSCR/L45065-16	63	45.0	65.0	0°	0°	6.4	RC.. 1606M0	1540	5517	3816	1765
	PSC50-SRSCR/L35060-20	50	35.0	60.0	0°	0°	9.5	RC.. 2006M0	1360	5520	3919	1059
	PSC63-SRSCR/L45065-20	63	45.0	65.0	0°	0°	9.5	RC.. 2006M0	1360	5520	3919	1059

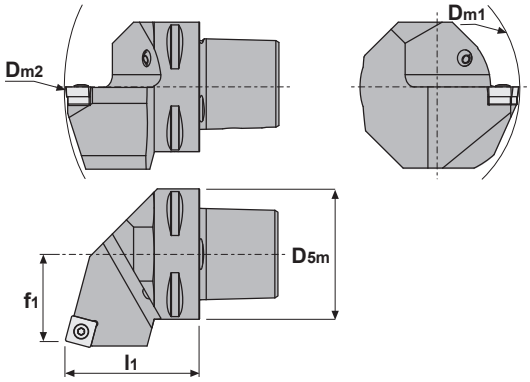


Ref.	RC..	s	d
	RC.. 0602M0	2,38	6,00
	RC.. 0803M0	3,18	8,00
	RC.. 10T3M0	3,97	10,00
	RC.. 1204M0	4,76	12,00
	RC.. 1606M0	6,35	16,00
	RC.. 2006M0	6,35	20,00

Positive 7° clearance - Round inserts.

RCGT-AL	RCMT	
		





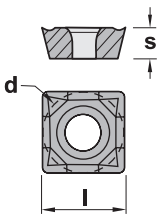
SSRC 75°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-SSRCR/L22050-12	40	110	140	22.0	50.0	0°	0°	3.0	SC.. 1204..
	PSC50-SSRCR/L27060-12	50	110	165	27.0	60.0	0°	0°	3.0	SC.. 1204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

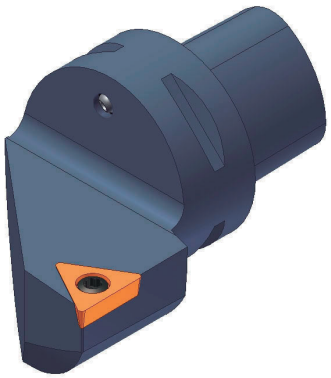
Ref.					
	PSC40-SSRCR/L22050-12	1540	5517	3514	1760
	PSC50-SSRCR/L27060-12	1540	5517	3514	1760

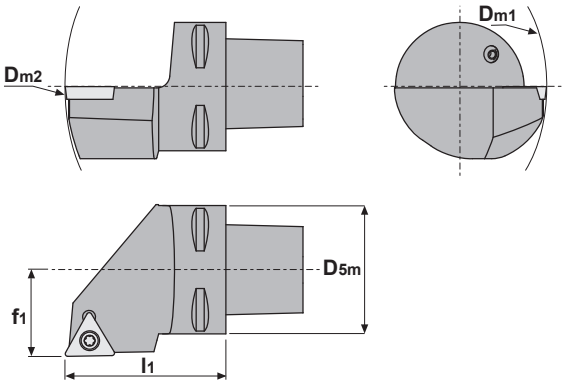


Ref.	SC..	l	s	d
	SC.. 1204..	12,70	4,76	12,70

Positive 7° clearance - Square inserts.

SCGT-AL	SCMT-03	SCMT-39				
						





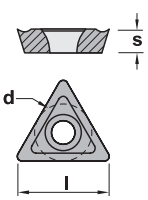
STGC 90°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-STGCR/L22040-11	32	80	124	22.0	40.0	0°	0°	0.9	TC.. 1102..
	PSC40-STGCR/L27050-11	40	80	140	27.0	50.0	0°	0°	0.9	TC.. 1102..
	PSC32-STGCR/L22040-16	32	110	124	22.0	40.0	0°	0°	3.0	TC.. 16T3..
	PSC40-STGCR/L27050-16	40	110	140	27.0	50.0	0°	0°	3.0	TC.. 16T3..
	PSC50-STGCR/L35060-16	50	110	165	35.0	60.0	0°	0°	3.0	TC.. 16T3..
	PSC63-STGCR/L45065-16	63	110	190	45.0	65.0	0°	0°	3.0	TC.. 16T3..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

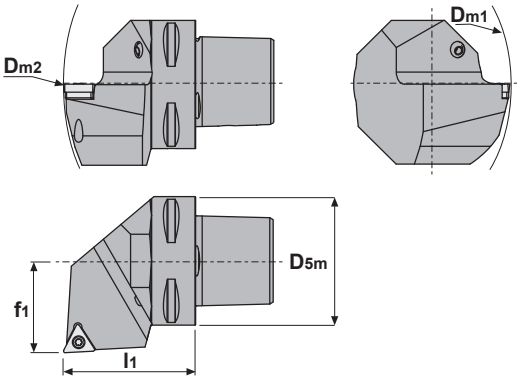
Ref.	PSC32-STGCR/L22040-11	1225	5507	-	-
	PSC40-STGCR/L27050-11	1225	5507	-	-
	PSC32-STGCR/L22040-16	1335	5516	3414	1750
	PSC40-STGCR/L27050-16	1335	5516	3414	1750
	PSC50-STGCR/L35060-16	1335	5516	3414	1750
	PSC63-STGCR/L45065-16	1335	5516	3414	1750



	TC..	l	s	d
Ref.	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

TCGT-AL	TCMT-03	TCMW				
						



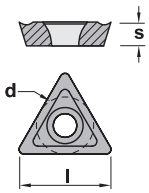
STJC 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-STJCR/L22040-11	32	80	124	22.0	40.0	0°	0°	0.9	TC.. 1102..
	PSC40-STJCR/L27050-11	40	80	140	27.0	50.0	0°	0°	0.9	TC.. 1102..
	PSC32-STJCR/L22040-16	32	110	124	22.0	40.0	0°	0°	3.0	TC.. 16T3..
	PSC40-STJCR/L27050-16	40	110	140	27.0	50.0	0°	0°	3.0	TC.. 16T3..
	PSC50-STJCR/L35060-16	50	110	165	35.0	60.0	0°	0°	3.0	TC.. 16T3..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

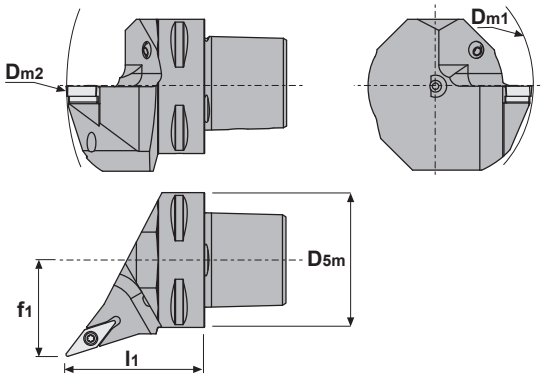
Ref.					
	PSC32-STJCR/L22040-11	1225	5507	-	-
	PSC40-STJCR/L27050-11	1225	5507	-	-
	PSC32-STJCR/L22040-16	1335	5516	3414	1750
	PSC40-STJCR/L27050-16	1335	5516	3414	1750
	PSC50-STJCR/L35060-16	1335	5516	3414	1750



Ref.	TC..	l	s	d
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

TCGT-AL	TCMT-03	TCMW				
						



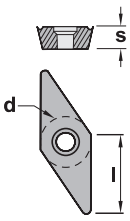
SVHB 107° 30’

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-SVHBR/L27050-16	40	110	140	27.0	50.0	0°	0°	3.0	VBMT 1604..
	PSC50-SVHBR/L35060-16	50	110	165	35.0	60.0	0°	0°	3.0	VBMT 1604..
	PSC63-SVHBR/L45065-16	63	110	190	45.0	65.0	0°	0°	3.0	VBMT 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

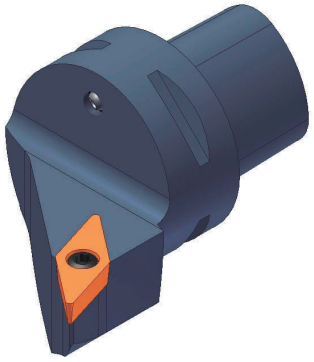
					
Ref.	PSC40-SVHBR/L27050-16	1335	5516	3718	1750
	PSC50-SVHBR/L35060-16	1335	5516	3718	1750
	PSC63-SVHBR/L45065-16	1335	5516	3718	1750

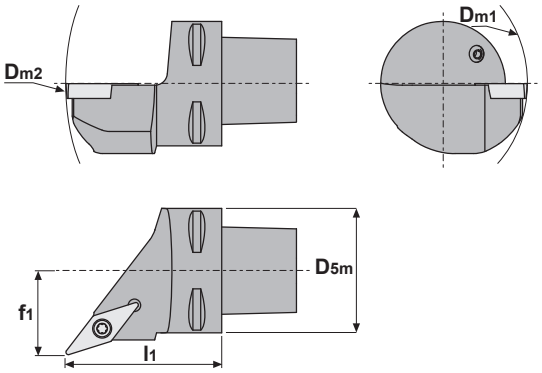


	VBMT	l	s	d
Ref.	VBMT 1604..	16,50	4,76	9,52

Positive 5° clearance - 35° rhombic inserts.

VBMT						
						





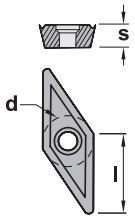
SVHC 107° 30'

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-SVHCR/L22040-11	32	80	124	22.0	40.0	0°	0°	0.9	VC.. 1103..
	PSC40-SVHCR/L27050-11	40	80	140	27.0	50.0	0°	0°	0.9	VC.. 1103..
	PSC50-SVHCR/L35060-11	50	80	165	35.0	60.0	0°	0°	0.9	VC.. 1103..
	PSC40-SVHCR/L27050-16	40	110	140	27.0	50.0	0°	0°	3.0	VC.. 1604..
	PSC50-SVHCR/L35060-16	50	110	165	35.0	60.0	0°	0°	3.0	VC.. 1604..
	PSC63-SVHCR/L45065-16	63	110	190	45.0	65.0	0°	0°	3.0	VC.. 1604..

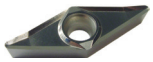
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

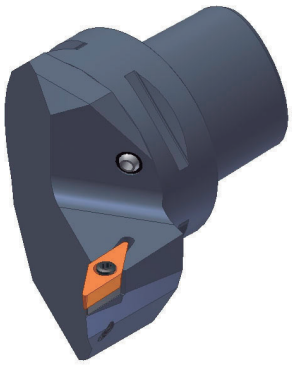
Ref.					
	PSC32-SVHCR/L22040-11	1225	5507	-	-
	PSC40-SVHCR/L27050-11	1225	5507	-	-
	PSC50-SVHCR/L35060-11	1225	5507	-	-
	PSC40-SVHCR/L27050-16	1335	5516	3718	1750
	PSC50-SVHCR/L35060-16	1335	5516	3718	1750
	PSC63-SVHCR/L45065-16	1335	5516	3718	1750

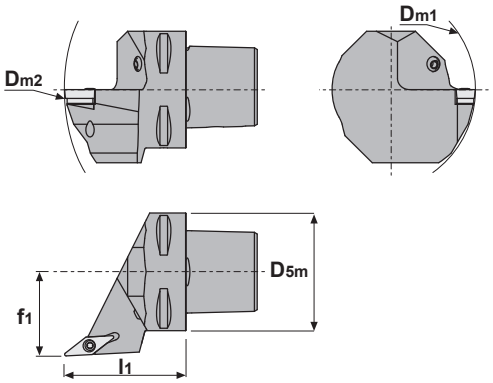


Ref.	VC..	l	s	d
	VC.. 1103..	11,00	3,18	6,35
	VC.. 1604..	16,50	4,76	9,52

Positive 7° clearance - 35° rhombic inserts.

VCGT-AL	VCGT-AP	VCMT-03				
						





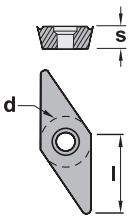
SVJB 93°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-SVJBR/L27050-16	40	110	145	27.0	50.0	0°	0°	3.0	VBMT 1604..
	PSC50-SVJBR/L35060-16	50	110	165	35.0	60.0	0°	0°	3.0	VBMT 1604..
	PSC63-SVJBR/L45065-16	63	110	190	45.0	65.0	0°	0°	3.0	VBMT 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

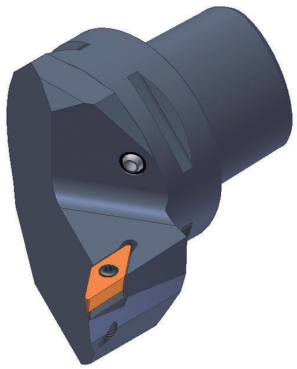
Ref.	PSC40-SVJBR/L27050-16	1335	5516	3718	1750
	PSC50-SVJBR/L35060-16	1335	5516	3718	1750
	PSC63-SVJBR/L45065-16	1335	5516	3718	1750

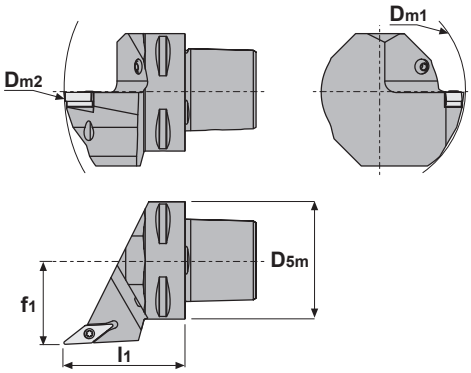


VBMT	l	s	d
Ref. VBMT 1604..	16,50	4,76	9,52

Positive 5° clearance - 35° rhombic inserts.

VBMT						
						





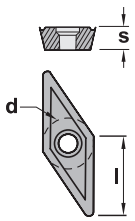
SVJC 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-SVJCR/L22040-11	32	80	121	22.0	40.0	0°	0°	0.9	VC.. 1103..
	PSC40-SVJCR/L27050-11	40	80	145	27.0	50.0	0°	0°	0.9	VC.. 1103..
	PSC50-SVJCR/L35060-11	50	80	165	35.0	60.0	0°	0°	0.9	VC.. 1103..
	PSC40-SVJCR/L27050-16	40	110	145	27.0	50.0	0°	0°	3.0	VC.. 1604..
	PSC50-SVJCR/L35060-16	50	110	165	35.0	60.0	0°	0°	3.0	VC.. 1604..
	PSC63-SVJCR/L45065-16	63	110	190	45.0	65.0	0°	0°	3.0	VC.. 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

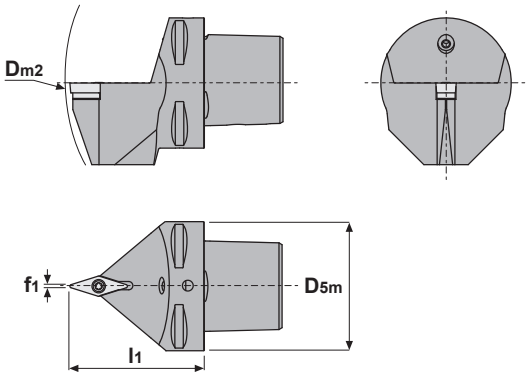
Ref.					
	PSC32-SVJCR/L22040-11	1225	5507	-	-
	PSC40-SVJCR/L27050-11	1225	5507	-	-
	PSC50-SVJCR/L35060-11	1225	5507	-	-
	PSC40-SVJCR/L27050-16	1335	5516	3718	1750
	PSC50-SVJCR/L35060-16	1335	5516	3718	1750
	PSC63-SVJCR/L45065-16	1335	5516	3718	1750



Ref.	VC..	l	s	d
	VC.. 1103..	11,00	3,18	6,35
	VC.. 1604..	16,50	4,76	9,52

Positive 7° clearance - 35° rhombic inserts.

VCGT-AL	VCGT-AP	VCMT-03				
						



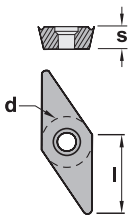
SVVB 72° 30'

Characteristics:
PSC with internal coolant.

		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-SVVBN00050-16	40	140	0.6	50.0	0°	0°	3.0	VBMT 1604..
	PSC50-SVVBN00060-16	50	165	0.6	60.0	0°	0°	3.0	VBMT 1604..
	PSC63-SVVBN00065-16	63	190	0.6	65.0	0°	0°	3.0	VBMT 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

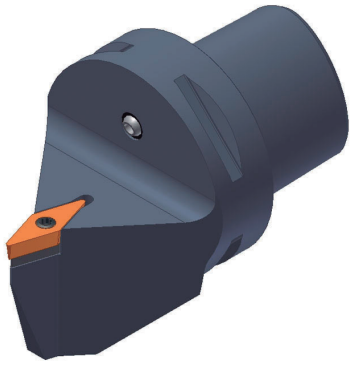
Ref.	PSC40-SVVBN00050-16	1335	5516	3718	1750
	PSC50-SVVBN00060-16	1335	5516	3718	1750
	PSC63-SVVBN00065-16	1335	5516	3718	1750

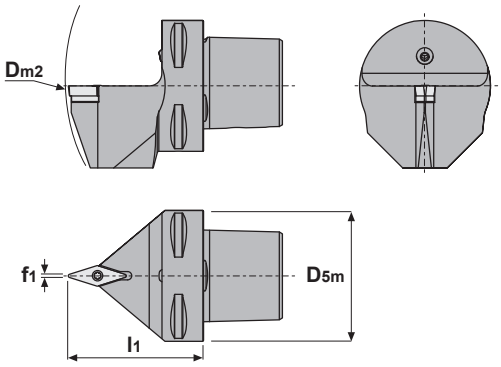


	VBMT	l	s	d
Ref.	VBMT 1604..	16,50	4,76	9,52

Positive 5° clearance - 35° rhombic inserts.

VBMT						
						





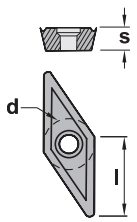
SVVC 72° 30'

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC32-SVVCN00040-11	32	124	0.3	40.0	0°	0°	0.9	VC.. 1103..
	PSC40-SVVCN00050-11	40	140	0.3	50.0	0°	0°	0.9	VC.. 1103..
	PSC40-SVVCN00050-16	40	140	0.6	50.0	0°	0°	3.0	VC.. 1604..
	PSC50-SVVCN00060-16	50	165	0.6	60.0	0°	0°	3.0	VC.. 1604..
	PSC63-SVVCN00065-16	63	190	0.6	65.0	0°	0°	3.0	VC.. 1604..

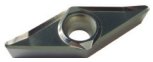
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.					
	PSC32-SVVCN00040-11	1225	5507	-	-
	PSC40-SVVCN00050-11	1225	5507	-	-
	PSC40-SVVCN00050-16	1335	5516	3718	1750
	PSC50-SVVCN00060-16	1335	5516	3718	1750
	PSC63-SVVCN00065-16	1335	5516	3718	1750

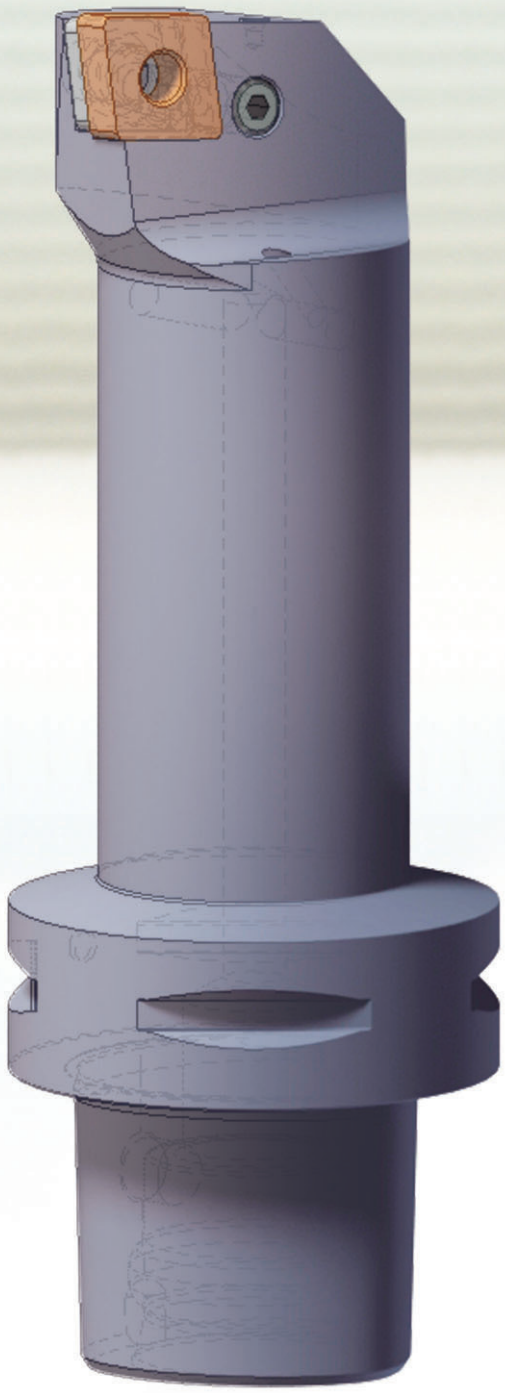


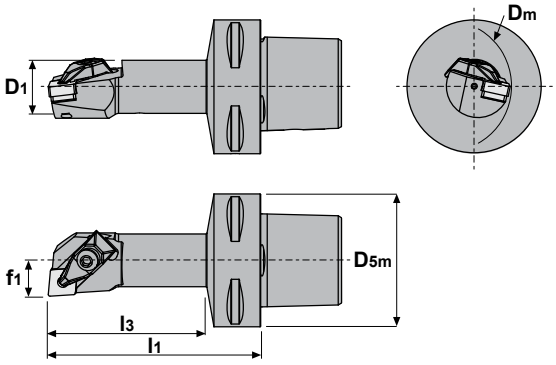
Ref.	VC..	l	s	d
	VC.. 1103..	11,00	3,18	6,35
	VC.. 1604..	16,50	4,76	9,52

Positive 7° clearance - 35° rhombic inserts.

VCGT-AL	VCGT-AP	VCMT-03				
						

PSC Boring bars





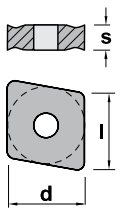
DCLN 95°

Characteristics:
PSC with internal coolant.

		Dm min.	D1	D5m	f1	l1	l3	y[1)]	λs[2)]	Insert
Ref.	**PSC40-DCLNR/L13080-09**	25.0	20	40	13.0	80.0	57.0	-6°	-14°	CN.. 0903..
	PSC50-DCLNR/L13080-09	25.0	20	50	13.0	80.0	56.0	-6°	-14°	CN.. 0903..
	PSC40-DCLNR/L17090-12	32.0	25	40	17.0	90.0	68.0	-6°	-12°	CN.. 1204..
	PSC50-DCLNR/L17090-12	32.0	25	50	17.0	90.0	66.0	-6°	-12°	CN.. 1204..
	PSC63-DCLNR/L17100-12	32.0	25	63	17.0	100.0	72.0	-6°	-12°	CN.. 1204..
	PSC63-DCLNR/L27140-16	50.0	40	63	27.0	140.0	114.0	-6°	-16°	CN.. 1606..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

							
Ref.	**PSC40-DCLNR/L13080-09**	-	-	2708	1695	4294	5003
	PSC50-DCLNR/L13080-09	-	-	2708	1695	4294	5003
	PSC40-DCLNR/L17090-12	1766	ICSN-442	2712	1696	4295	5004
	PSC50-DCLNR/L17090-12	1766	ICSN-442	2712	1696	4295	5004
	PSC63-DCLNR/L17100-12	1766	ICSN-442	2712	1696	4295	5004
	PSC63-DCLNR/L27140-16	1768	ICSN-533	2716	1696	4295	5004

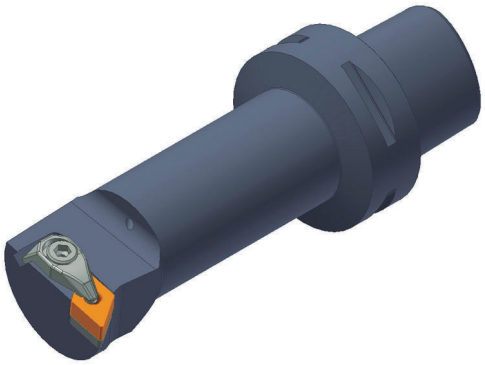


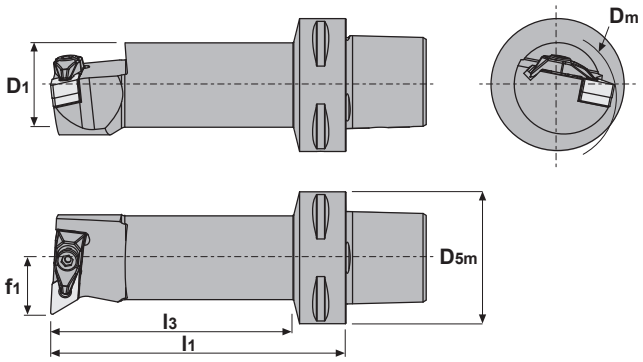
	CN..	l	s	d
Ref.	**CN.. 0903..**	9,65	3,18	9,52
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





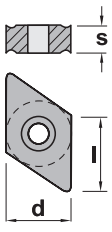
DDUN 93°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC40-DDUNR/L17090-11	32.0	25.0	40	17.0	90.0	68.0	-6°	-12°	DN.. 1104..
	PSC50-DDUNR/L17090-11	32.0	25.0	50	17.0	90.0	66.0	-6°	-12°	DN.. 1104..
	PSC40-DDUNR/L27080-15	50.0	39.7	40	27.0	80.0	59.0	-6°	-11°	DN.. 1506..
	PSC50-DDUNR/L27140-15	50.0	40.0	50	27.0	140.0	118.0	-6°	-11°	DN.. 1506..
	PSC63-DDUNR/L27140-15	50.0	40.0	63	27.0	140.0	114.0	-6°	-11°	DN.. 1506..

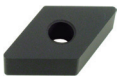
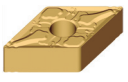
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

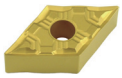
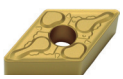
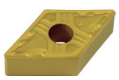
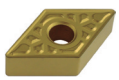
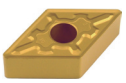
Ref.							
	PSC40-DDUNR/L17090-11	1764	IDSN-322	2708	1695	4294	5003
	PSC50-DDUNR/L17090-11	1764	IDSN-322	2708	1695	4294	5003
	PSC40-DDUNR/L27080-15	1766	IDSN-432	2712	1696	4295	5004
	PSC50-DDUNR/L27140-15	1766	IDSN-432	2712	1696	4295	5004
	PSC63-DDUNR/L27140-15	1766	IDSN-432	2712	1696	4295	5004

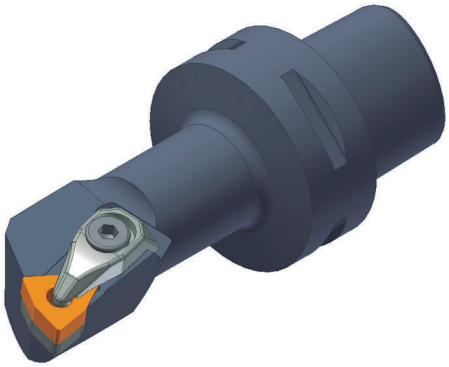


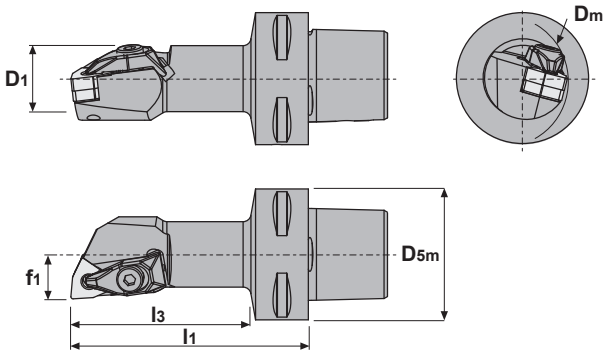
Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1506..	15,50	6,35	12,70

Negative 55º rhombic inserts.

DNMA	DNMG-CF	
		

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX	
						





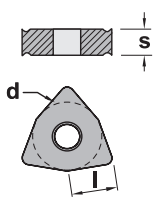
DWLN 95°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC40-DWLNR/L13075-06	27.0	20	40	13.0	75.0	52.0	-6°	-17°	WNMG 0604..
	PSC40-DWLNR/L17090-08	33.0	25	40	17.0	90.0	68.0	-6°	-12°	WNMG 0804..
	PSC50-DWLNR/L17090-08	33.0	25	50	17.0	90.0	66.0	-6°	-12°	WNMG 0804..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

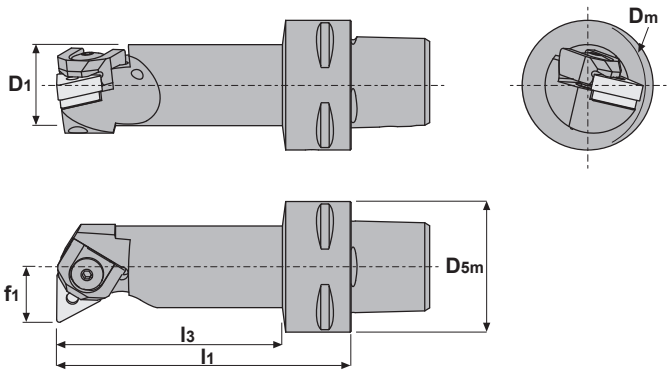
Ref.							
	PSC40-DWLNR/L13075-06	1764	IWSN-322	2708	1695	4294	5003
	PSC40-DWLNR/L17090-08	1766	IWSN-433	2712	1696	4295	5004
	PSC50-DWLNR/L17090-08	1766	IWSN-433	2712	1696	4295	5004



Ref.	WNMG	l	s	d
	WNMG 0604..	6,45	4,76	9,52
	WNMG 0804..	8,14	4,76	12,70

Negative 80° trigon inserts.

WNMG-CF	WNMG-CFM	WNMG-CM	WNMG-CMC	WNMG-CMF	WNMG-CMR	WNMG-CS
						



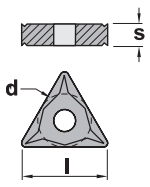
MTFN 90°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC40-MTFNR/L17090-16	32.0	25	40	17.0	90.0	69.0	-6°	-13°	TNM.. 1604..
	PSC40-MTFNR/L22110-16	40.0	32	40	22.0	110.0	89.0	-6°	-12°	TNM.. 1604..
	PSC40-MTFNR/L27120-16	50.0	40	40	27.0	120.0	100.0	-6°	-11°	TNM.. 1604..
	PSC50-MTFNR/L17090-16	32.0	25	50	17.0	90.0	67.0	-6°	-13°	TNM.. 1604..
	PSC50-MTFNR/L22110-16	40.0	32	50	22.0	110.0	88.0	-6°	-12°	TNM.. 1604..
	PSC50-MTFNR/L27140-16	50.0	40	50	27.0	140.0	119.0	-6°	-11°	TNM.. 1604..
	PSC63-MTFNR/L22110-16	40.0	32	63	22.0	110.0	84.0	-6°	-12°	TNM.. 1604..
	PSC63-MTFNR/L27140-16	50.0	40	63	27.0	140.0	115.0	-6°	-11°	TNM.. 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

Ref.						
	PSC40-MTFNR/L17090-16	2017	1644	5025	3414	1813
	PSC40-MTFNR/L22110-16	2017	1644	5025	3414	1393
	PSC40-MTFNR/L27120-16	2017	1644	5025	3414	1393
	PSC50-MTFNR/L17090-16	2017	1644	5025	3414	1393
	PSC50-MTFNR/L22110-16	2017	1644	5025	3414	1393
	PSC50-MTFNR/L27140-16	2017	1644	5025	3414	1393
	PSC63-MTFNR/L22110-16	2017	1644	5025	3414	1393
	PSC63-MTFNR/L27140-16	2017	1644	5025	3414	1393

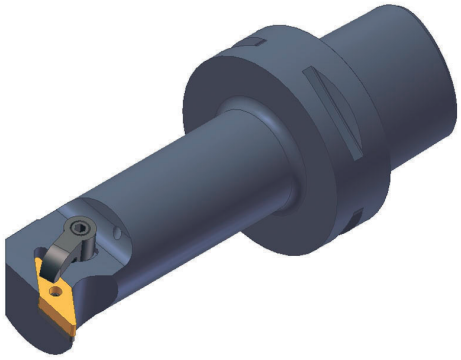


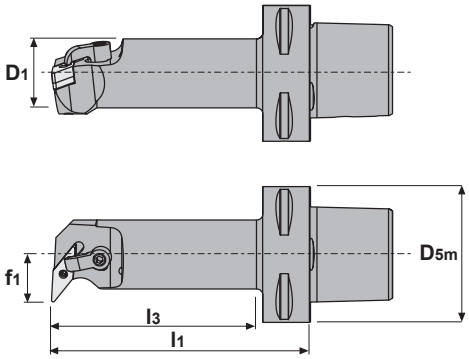
Ref.	TNM..	l	s	d
	TNM.. 1604..	16,50	4,76	9,52

Negative triangular inserts.

TNMA	TNMG-CF	TNMG-CFC
		

TNMG-CFM	TNMG-CM	TNMG-CMC	TNMG-CMF	TNMG-CMR	TNMG-CS	TNMX R/L
						





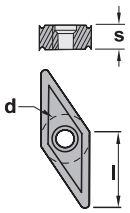
MVUN 93°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC40-MVUNR/L27120-16	50.0	40	40	27.0	120.0	100.0	-6°	-10°	VN.. 1604..
	PSC50-MVUNR/L27140-16	50.0	40	50	27.0	140.0	119.0	-6°	-10°	VN.. 1604..
	PSC50-MVUNR/L35150-16	63.0	50	50	35.0	150.0	131.0	-6°	-10°	VN.. 1604..
	PSC63-MVUNR/L22120-16	40.0	32	63	22.0	120.0	94.0	-6°	-12°	VN.. 1604..
	PSC63-MVUNR/L35175-16	63.0	50	63	35.0	175.0	152.0	-6°	-10°	VN.. 1604..

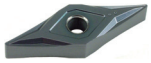
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

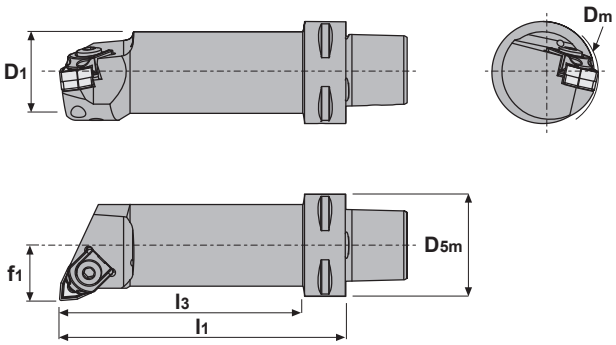
Ref.							
	PSC40-MVUNR/L27120-16	2614	5003	IVSN-322	1086	1665	5002
	PSC50-MVUNR/L27140-16	2614	5003	IVSN-322	1086	1665	5002
	PSC50-MVUNR/L35150-16	2614	5003	IVSN-322	1086	1665	5002
	PSC63-MVUNR/L22120-16	2614	5003	IVSN-322	1186	1665	5002
	PSC63-MVUNR/L35175-16	2614	5003	IVSN-322	1086	1665	5002



Ref.	VN..	l	s	d
	VN.. 1604..	16,50	4,76	9,52

Negative 35° rhombic inserts.

VNGP	VNMG	VNMG-CMC				
						



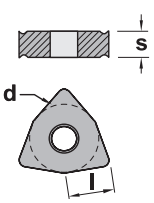
MWLN 95º

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC32-MWLNR/L13075-06	25.0	20	32	13.0	75.0	59.0	-6º	-14º	WNMG 0604..
	PSC32-MWLNR/L17090-06	32.0	25	32	17.0	90.0	75.0	-6º	-12º	WNMG 0604..
	PSC40-MWLNR/L13075-06	25.0	20	40	13.0	75.0	53.0	-6º	-14º	WNMG 0604..
	PSC40-MWLNR/L17090-06	32.0	25	40	17.0	90.0	69.0	-6º	-12º	WNMG 0604..
	PSC40-MWLNR/L17090-08	32.0	25	40	17.0	90.0	69.0	-6º	-14º	WNMG 0804..
	PSC40-MWLNR/L22110-08	40.0	32	40	22.0	110.0	89.0	-6º	-14º	WNMG 0804..
	PSC40-MWLNR/L27120-08	50.0	40	40	27.0	120.0	100.0	-6º	-12º	WNMG 0804..
	PSC50-MWLNR/L17090-08	32.0	25	50	17.0	90.0	67.0	-6º	-14º	WNMG 0804..
	PSC50-MWLNR/L22110-08	40.0	32	50	22.0	110.0	88.0	-6º	-14º	WNMG 0804..
	PSC50-MWLNR/L27140-08	50.0	40	50	27.0	140.0	119.0	-6º	-12º	WNMG 0804..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

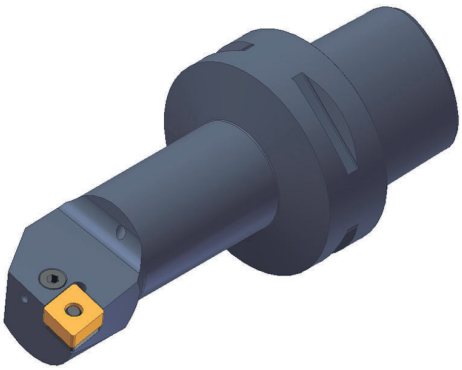
Ref.						
	PSC32-MWLNR/L13075-06	2006	5025	-	1643	1813
	PSC32-MWLNR/L17090-06	2006	5025	3006	1644	1813
	PSC40-MWLNR/L13075-06	2006	5025	-	1643	1813
	PSC40-MWLNR/L17090-06	2006	5025	3006	1644	1813
	PSC40-MWLNR/L17090-08	2011	5005	-	1647	1814
	PSC40-MWLNR/L22110-08	2011	5005	IWSN-433	1661	1814
	PSC40-MWLNR/L27120-08	2011	5005	IWSN-433	1661	1814
	PSC50-MWLNR/L17090-08	2011	5005	-	1647	1814
	PSC50-MWLNR/L22110-08	2011	5005	IWSN-433	1661	1814
	PSC50-MWLNR/L27140-08	2011	5005	IWSN-433	1661	1814

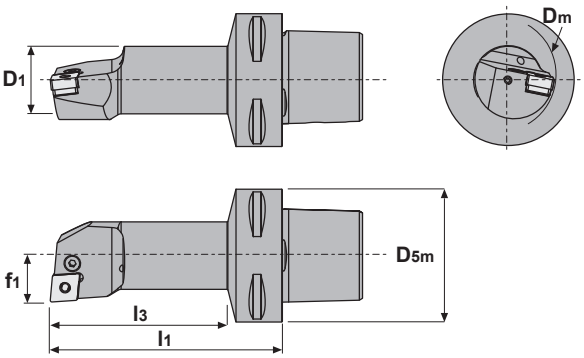


Ref.	WNMG	l	s	d
	WNMG 0604..	6,45	4,76	9,52
	WNMG 0804..	8,14	4,76	12,70

Negative 80º trigon inserts.

WNMG-CF	WNMG-CFM	WNMG-CM	WNMG-CMC	WNMG-CMF	WNMG-CMR	WNMG-CS
						



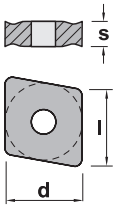


PCLN 95°

Characteristics:
PSC with internal coolant.

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert						
	PSC40-PCLNR/L13080-09	25.0	20	40	13.0	80.0	58.0	-6°	-11°	CN.. 0903..	8005	1605	5002	-	-	-
	PSC50-PCLNR/L13080-09	25.0	20	50	13.0	80.0	56.0	-6°	-11°	CN.. 0903..	8005	1605	5002	-	-	-
	PSC32-PCLNR/L17090-12	32.0	25	32	17.0	90.0	75.0	-6°	-11°	CN.. 1204..	8212	1626	5025	-	-	-
	PSC32-PCLNR/L22064-12	40.0	32	32	22.0	64.0	50.0	-6°	-11°	CN.. 1204..	8312	1648	5003	3612	4112	0012
	PSC32-PCLNR/L22096-12	40.0	32	32	22.0	96.0	82.0	-6°	-11°	CN.. 1204..	8312	1648	5003	3612	4112	0012
	PSC40-PCLNR/L17090-12	32.0	25	40	17.0	90.0	69.0	-6°	-11°	CN.. 1204..	8212	1626	5025	-	-	-
	PSC40-PCLNR/L22110-12	40.0	32	40	22.0	110.0	89.0	-6°	-11°	CN.. 1204..	8312	1648	5003	3612	4112	0012
	PSC40-PCLNR/L27080-12	50.0	40	40	27.0	80.0	60.0	-6°	-10°	CN.. 1204..	8012	1608	5003	3612	4112	0012
	PSC40-PCLNR/L27120-12	50.0	40	40	27.0	120.0	100.0	-6°	-11°	CN.. 1204..	8012	1608	5003	3612	4112	0012
	PSC50-PCLNR/L17090-12	32.0	25	50	17.0	90.0	67.0	-6°	-11°	CN.. 1204..	8212	1626	5025	-	-	-
	PSC50-PCLNR/L22110-12	40.0	32	50	22.0	110.0	88.0	-6°	-11°	CN.. 1204..	8312	1648	5003	3612	4112	0012
	PSC50-PCLNR/L27140-12	50.0	40	50	27.0	140.0	119.0	-6°	-10°	CN.. 1204..	8012	1608	5003	3612	4112	0012
	PSC50-PCLNR/L35100-12	63.0	50	50	35.0	100.0	81.0	-6°	-7°	CN.. 1204..	8012	1608	5003	3612	4112	0012
	PSC63-PCLNR/L17100-12	32.0	25	63	17.0	100.0	74.0	-6°	-11°	CN.. 1204..	8212	1626	5025	-	-	-
	PSC63-PCLNR/L22110-12	40.0	32	63	22.0	110.0	84.0	-6°	-11°	CN.. 1204..	8312	1648	5003	3612	4112	0012
	PSC50-PCLNR/L35150-16	63.0	50	50	35.0	150.0	131.0	-6°	-11°	CN.. 1606..	8016	1618	5003	3616	4115	0015
	PSC63-PCLNR/L27140-16	50.0	40	63	27.0	140.0	115.0	-6°	-11°	CN.. 1606..	8016	1618	5003	3616	4115	0015
	PSC63-PCLNR/L35175-16	63.0	50	63	35.0	175.0	152.0	-6°	-11°	CN.. 1606..	8016	1618	5003	3616	4115	0015

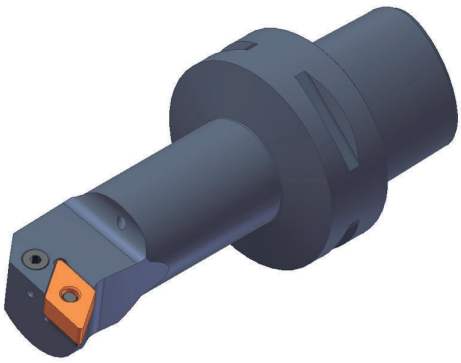


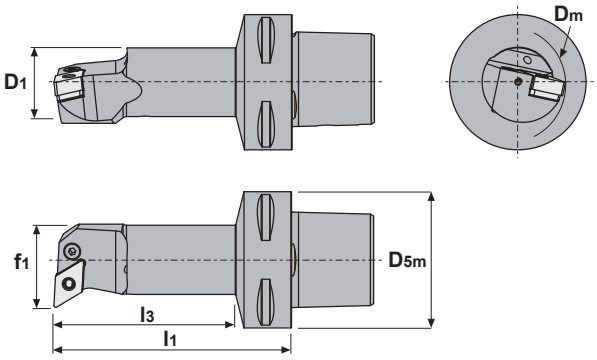
Ref.	CN..	l	s	d
	CN.. 0903..	9,65	3,18	9,52
	CN.. 1204..	12,90	4,76	12,70
	CN.. 1606..	16,10	6,35	15,88

Negative 80° rhombic inserts.

CNMG-CF	CNMG-CM	CNMG-CR	CNMG-CS
			

CNGP	CNMA	CNMG-CFM	CNMG-CFC	CNMG-CMC	CNMG-CMF	CNMG-CMR	CNMM
							





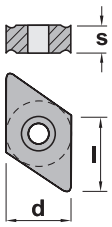
PDUN 93º

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC32-PDUNR/L17090-11	32.0	25	32	17.0	90.0	75.0	-6º	-11º	DN.. 1104..
	PSC40-PDUNR/L17090-11	32.0	25	40	17.0	90.0	69.0	-6º	-11º	DN.. 1104..
	PSC40-PDUNR/L22110-11	40.0	32	40	22.0	110.0	89.0	-6º	-10º	DN.. 1104..
	PSC50-PDUNR/L17090-11	32.0	25	50	17.0	90.0	67.0	-6º	-11º	DN.. 1104..
	PSC50-PDUNR/L22110-11	40.0	32	50	22.0	110.0	88.0	-6º	-10º	DN.. 1104..
	PSC63-PDUNR/L17100-11	32.0	25	63	17.0	100.0	74.0	-6º	-11º	DN.. 1104..
	PSC40-PDUNR/L27080-15	50.0	40	40	27.0	80.0	60.0	-6º	-11º	DN.. 1506..
	PSC40-PDUNR/L27120-15	50.0	40	40	27.0	120.0	100.0	-6º	-11º	DN.. 1506..
	PSC50-PDUNR/L27140-15	50.0	40	50	27.0	140.0	119.0	-6º	-11º	DN.. 1506..
	PSC50-PDUNR/L35100-15	63.0	50	50	35.0	100.0	81.0	-6º	-10º	DN.. 1506..
	PSC50-PDUNR/L35150-15	63.0	50	50	35.0	150.0	131.0	-6º	-10º	DN.. 1506..
	PSC63-PDUNR/L22110-15	40.0	32	63	22.0	110.0	84.0	-6º	-12º	DN.. 1506..
	PSC63-PDUNR/L27140-15	50.0	40	63	27.0	140.0	115.0	-6º	-11º	DN.. 1506..
	PSC63-PDUNR/L35175-15	63.0	50	63	35.0	175.0	152.0	-6º	-10º	DN.. 1506..

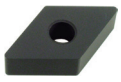
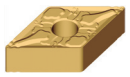
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

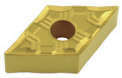
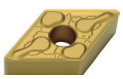
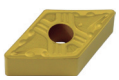
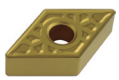
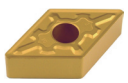
Ref.							
	PSC32-PDUNR/L17090-11	8009	1606	5025	3711	4109	0009
	PSC40-PDUNR/L17090-11	8009	1606	5025	3711	4109	0009
	PSC40-PDUNR/L22110-11	8009	1606	5025	3711	4109	0009
	PSC50-PDUNR/L17090-11	8009	1606	5025	3711	4109	0009
	PSC50-PDUNR/L22110-11	8009	1606	5025	3711	4109	0009
	PSC63-PDUNR/L17100-11	8009	1606	5025	3711	4109	0009
	PSC40-PDUNR/L27080-15	8415	1638	5003	3715	4112	0012
	PSC40-PDUNR/L27120-15	8415	1638	5003	3715	4112	0012
	PSC50-PDUNR/L27140-15	8415	1638	5003	3715	4112	0012
	PSC50-PDUNR/L35100-15	8415	1638	5003	3715	4112	0012
	PSC50-PDUNR/L35150-15	8415	1638	5003	3715	4112	0012
	PSC63-PDUNR/L22110-15	8415	1638	5003	3715	4112	0012
	PSC63-PDUNR/L27140-15	8415	1638	5003	3715	4112	0012
	PSC63-PDUNR/L35175-15	8415	1638	5003	3715	4112	0012

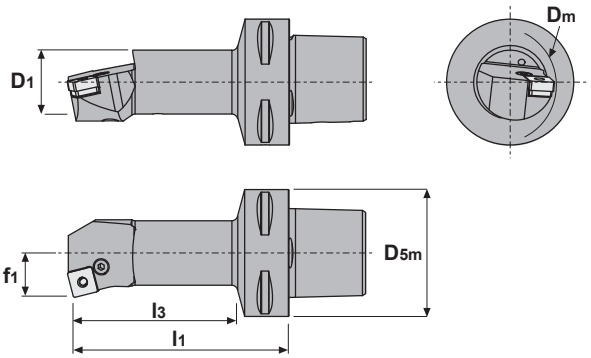


Ref.	DN..	l	s	d
	DN.. 1104..	11,60	4,76	9,52
	DN.. 1506..	15,50	6,35	12,70

Negative 55º rhombic inserts.

DNMA	DNMG-CF
	

DNMG-CFM	DNMG-CM	DNMG-CMF	DNMG-CMR	DNMG-CS	DNMX
					



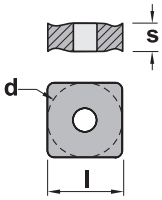
PSKN 75°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Insert
	PSC40-PSKNR/L17090-12	32.0	25	40	17.0	90.0	69.0	-6°	-11°	SNM.. 1204..
	PSC50-PSKNR/L17090-12	32.0	25	50	17.0	90.0	67.0	-6°	-11°	SNM.. 1204..
	PSC50-PSKNR/L22110-12	40.0	32	50	22.0	110.0	68.0	-6°	-10°	SNM.. 1204..
	PSC50-PSKNR/L27140-12	50.0	40	50	27.0	140.0	119.0	-6°	-10°	SNM.. 1204..
	PSC63-PSKNR/L22110-12	40.0	32	63	22.0	110.0	84.0	-6°	-10°	SNM.. 1204..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.

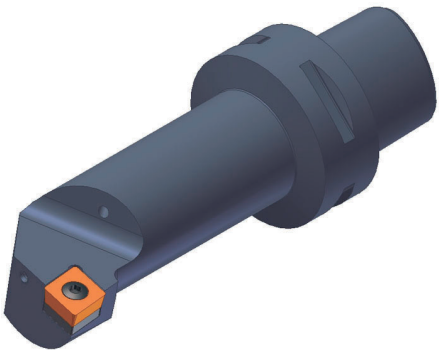
Ref.							
	PSC40-PSKNR/L17090-12	8212	1626	5025	-	-	-
	PSC50-PSKNR/L17090-12	8212	1626	5025	-	-	-
	PSC50-PSKNR/L22110-12	8312	1648	5003	3512	4112	0012
	PSC50-PSKNR/L27140-12	8012	1608	5003	3512	4112	0012
	PSC63-PSKNR/L22110-12	8012	1608	5003	3512	4112	0012

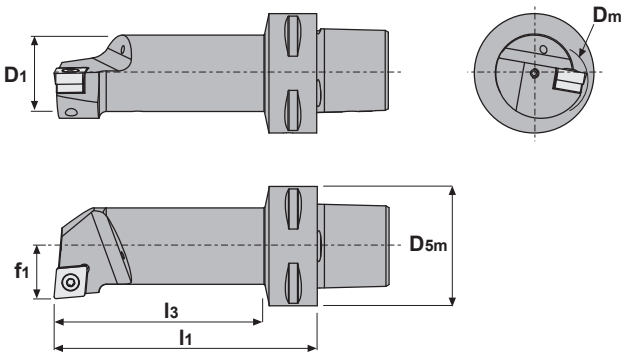


SNM..	l	s	d
Ref. SNM.. 1204..	12,70	4,76	12,70

Negative square inserts.

SNMA	SNMG-CFM	SNMG-CMR	SNMG-CR	SNMM		
						



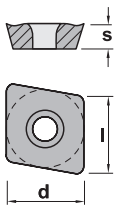


SCLC 95°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Nm3)	Insert				
	PSC32-SCLCR/L11065-09	20.0	16.0	32	11.0	65.0	48.0	0°	-12°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC32-SCLCR/L13075-09	25.0	20.0	32	13.0	75.0	59.0	0°	-8°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC32-SCLCR/L17090-09	32.0	25.0	32	17.0	90.0	75.0	0°	-6°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC40-SCLCR/L11070-09	20.0	16.0	40	11.0	70.0	47.0	0°	-12°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC40-SCLCR/L13080-09	25.0	20.0	40	13.0	80.0	58.0	0°	-8°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC40-SCLCR/L17090-09	32.0	25.0	40	17.0	90.0	69.0	0°	-6°	3.0	CC.. 09T3..	1240	5515	-	-
	PSC40-SCLCR/L27080-09	50.0	39.7	40	27.0	80.0	60.0	0°	-6°	3.0	CC.. 09T3..	1240	5515	-	-
	PSC50-SCLCR/L11070-09	20.0	16.0	50	11.0	70.0	46.0	0°	-12°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC50-SCLCR/L13080-09	25.0	20.0	50	13.0	80.0	56.0	0°	-8°	3.0	CC.. 09T3..	1440	5515	-	-
	PSC50-SCLCR/L17090-09	32.0	25.0	50	17.0	90.0	67.0	0°	-6°	3.0	CC.. 09T3..	1240	5515	-	-
	PSC50-SCLCR/L35100-09	63.0	49.7	50	35.0	100.0	81.0	0°	-4°	3.0	CC.. 09T3..	1240	5515	-	-
	PSC32-SCLCR/L17090-12	32.0	25.0	32	17.0	90.0	75.0	0°	-6°	3.0	CC.. 1204..	1250	5515	-	-
	PSC32-SCLCR/L22064-12	40.0	31.7	32	22.0	64.0	50.0	0°	-10°	3.0	CC.. 1204..	1540	5517	3614	1760
	PSC32-SCLCR/L22096-12	40.0	34.7	32	22.0	96.0	82.0	0°	-10°	3.0	CC.. 1204..	1540	5517	3614	1760
	PSC40-SCLCR/L17090-12	32.0	25.0	40	17.0	90.0	69.0	0°	-6°	3.0	CC.. 1204..	1250	5520	-	-
	PSC40-SCLCR/L22110-12	40.0	32.0	40	22.0	110.0	89.0	0°	-10°	3.0	CC.. 1204..	1540	5517	3614	1760
	PSC40-SCLCR/L27080-12	50.0	39.7	40	27.0	80.0	60.0	0°	-8°	3.0	CC.. 1204..	1540	5517	3614	1760
	PSC50-SCLCR/L17090-12	32.0	25.0	50	17.0	90.0	67.0	0°	-6°	3.0	CC.. 1204..	1250	5520	-	-
	PSC50-SCLCR/L22110-12	40.0	32.0	50	22.0	110.0	88.0	0°	-10°	3.0	CC.. 1204..	1540	5517	3614	1760
	PSC50-SCLCR/L27140-12	50.0	40.0	50	27.0	140.0	119.0	0°	-8°	3.0	CC.. 1204..	1540	5517	3614	1760
	PSC50-SCLCR/L35100-12	63.0	49.7	50	35.0	100.0	80.0	0°	-5°	3.0	CC.. 1204..	1540	5517	3614	1760

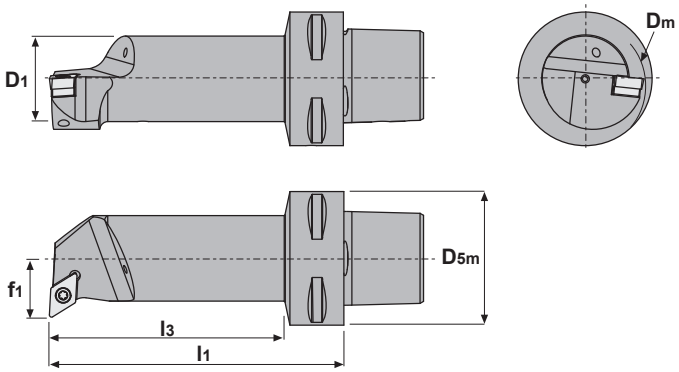
1) γ= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.



Ref.	CC..	l	s	d
	CC.. 09T3..	9,65	3,97	9,52
	CC.. 1204..	12,90	4,76	12,70

Positive 7° clearance - 80° rhombic inserts.

CCGT-AL	CCGT-AP	CCMT-03	CCMW			
						



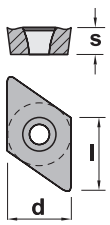
SDUC 93°

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y[1]	λs[2]	Nm[3]	Insert
	PSC32-SDUCR/L11065-07	20.0	16.0	32	11.0	65.0	48.0	0°	-6°	0.9	DC.. 0702..
	PSC40-SDUCR/L11070-07	20.0	16.0	40	11.0	70.0	47.0	0°	-8°	0.9	DC.. 0702..
	PSC50-SDUCR/L11070-07	20.0	16.0	50	11.0	70.0	46.0	0°	-8°	0.9	DC.. 0702..
	PSC32-SDUCR/L13075-11	25.0	20.0	32	13.0	75.0	59.0	0°	-6°	3.0	DC.. 11T3..
	PSC32-SDUCR/L17090-11	32.0	25.0	32	17.0	90.0	75.0	0°	-6°	3.0	DC.. 11T3..
	PSC32-SDUCR/L22064-11	40.0	31.7	32	22.0	64.0	50.0	0°	-6°	3.0	DC.. 11T3..
	PSC32-SDUCR/L22096-11	40.0	31.7	32	22.0	96.0	82.0	0°	-6°	3.0	DC.. 11T3..
	PSC40-SDUCR/L13080-11	25.0	20.0	40	13.0	80.0	58.0	0°	-6°	3.0	DC.. 11T3..
	PSC40-SDUCR/L17090-11	32.0	25.0	40	17.0	90.0	69.0	0°	-6°	3.0	DC.. 11T3..
	PSC40-SDUCR/L22110-11	40.0	32.0	40	22.0	110.0	89.0	0°	-6°	3.0	DC.. 11T3..
	PSC40-SDUCR/L27080-11	50.0	40.0	40	27.0	80.0	60.0	0°	-6°	3.0	DC.. 11T3..
	PSC50-SDUCR/L13080-11	25.0	20.0	50	13.0	80.0	56.0	0°	-6°	3.0	DC.. 11T3..
	PSC50-SDUCR/L17090-11	32.0	25.0	50	17.0	90.0	67.0	0°	-6°	3.0	DC.. 11T3..
	PSC50-SDUCR/L22110-11	40.0	32.0	50	22.0	110.0	88.0	0°	-6°	3.0	DC.. 11T3..
	PSC50-SDUCR/L35100-11	63.0	49.7	50	35.0	100.0	81.0	0°	-4°	3.0	DC.. 11T3..

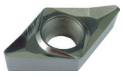
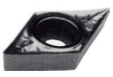
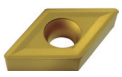
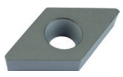
1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

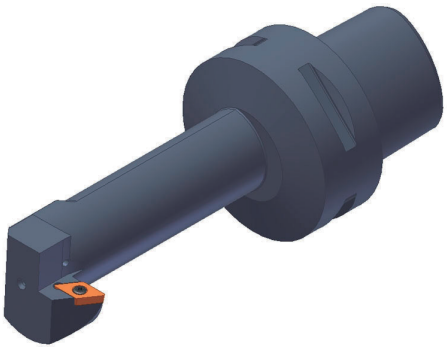
Ref.					
	PSC32-SDUCR/L11065-07	1225	5507	-	-
	PSC40-SDUCR/L11070-07	1225	5507	-	-
	PSC50-SDUCR/L11070-07	1225	5507	-	-
	PSC32-SDUCR/L13075-11	1240	5515	-	-
	PSC32-SDUCR/L17090-11	1240	5515	-	-
	PSC32-SDUCR/L22064-11	1335	5516	3714	1750
	PSC32-SDUCR/L22096-11	1335	5516	3714	1750
	PSC40-SDUCR/L13080-11	1240	5515	-	-
	PSC40-SDUCR/L17090-11	1240	5515	-	-
	PSC40-SDUCR/L22110-11	1335	5516	3714	1750
	PSC40-SDUCR/L27080-11	1335	5516	3714	1750
	PSC50-SDUCR/L13080-11	1240	5515	-	-
	PSC50-SDUCR/L17090-11	1240	5515	-	-
	PSC50-SDUCR/L22110-11	1335	5516	3714	1750
	PSC50-SDUCR/L35100-11	1335	5516	3714	1750

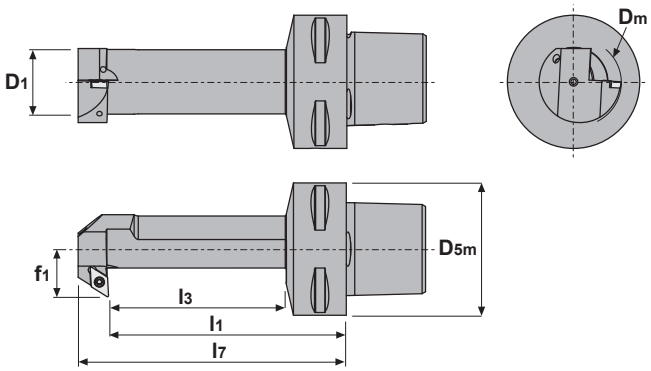


Ref.	DC..	l	s	d
	DC.. 0702..	7,75	2,38	6,35
	DC.. 11T3..	11,60	3,97	9,52

Positive 7° clearance - 55° rhombic inserts.

DCGT-AL	DCGT-AP	DCMT-03	DCMW			
						





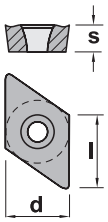
SDUC-X 93°

Characteristics:
PSC with internal coolant.

		Dm min.	D1	D5m	f1	l1	l3	l7	y1)	λs2)	Nm3)	Insert
Ref.	PSC32-SDUCR/L13070-07X	22.0	16	32	13.0	70.0	54.0	80.7	0°	-6°	0.9	DC.. 0702..
	PSC32-SDUCR/L15080-07X	27.0	20	32	15.0	80.0	64.0	80.7	0°	-3°	0.9	DC.. 0702..
	PSC40-SDUCR/L13070-07X	22.0	16	40	13.0	70.0	48.0	80.7	0°	-6°	0.9	DC.. 0702..
	PSC40-SDUCR/L15080-07X	27.0	20	40	15.0	80.0	58.0	91.5	0°	-3°	0.9	DC.. 0702..
	PSC40-SDUCR/L18090-07X	32.0	25	40	18.0	90.0	69.0	101.5	0°	-3°	0.9	DC.. 0702..
	PSC50-SDUCR/L15080-07X	27.0	20	50	15.0	80.0	57.0	91.5	0°	-3°	0.9	DC.. 0702..
	PSC50-SDUCR/L18090-07X	32.0	25	50	18.0	90.0	67.0	101.5	0°	-3°	0.9	DC.. 0702..

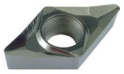
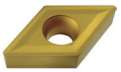
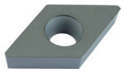
1) γ= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

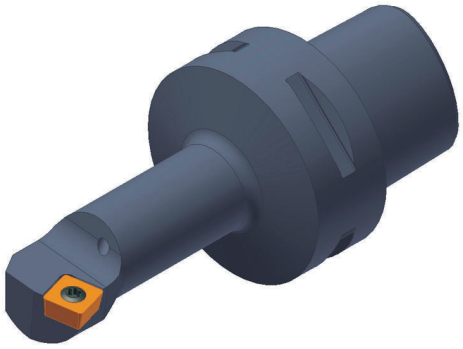
Ref.	PSC32-SDUCR/L13070-07X	1225	5507
	PSC32-SDUCR/L15080-07X	1225	5507
	PSC40-SDUCR/L13070-07X	1225	5507
	PSC40-SDUCR/L15080-07X	1225	5507
	PSC40-SDUCR/L18090-07X	1225	5507
	PSC50-SDUCR/L15080-07X	1225	5507
	PSC50-SDUCR/L18090-07X	1225	5507

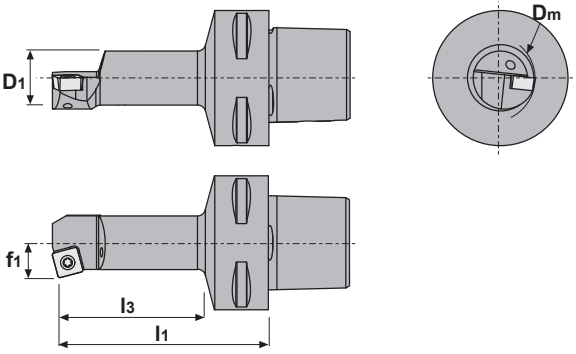


	DC..	l	s	d
Ref.	DC.. 0702..	7,75	2,38	6,35

Positive 7° clearance - 55° rhombic inserts.

DCGT-AL	DCGT-AP	DCMT-03	DCMW			
						





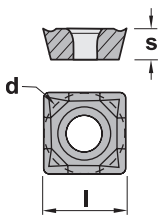
SSKC 75º

Characteristics:
PSC with internal coolant.

		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Nm3)	Insert
Ref.	**PSC40-SSKCR/L13080-09**	25.0	20	40	13.0	80.0	58.0	0º	-6º	3.0	SC.. 09T3..
	PSC50-SSKCR/L13080-09	25.0	20	50	13.0	80.0	56.0	0º	-6º	3.0	SC.. 09T3..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

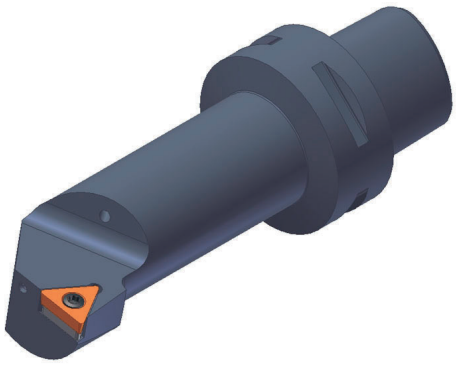
Ref.	**PSC40-SSKCR/L13080-09**	1240	5515
	PSC50-SSKCR/L13080-09	1240	5515

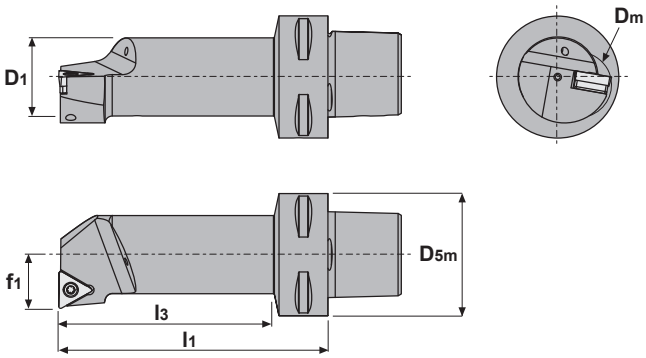


	SC..	l	s	d
Ref.	**SC.. 09T3..**	9,52	3,97	9,52

Positive 7° clearance - Square inserts.

SCGT-AL	SCMT-03	SCMT-39				
						





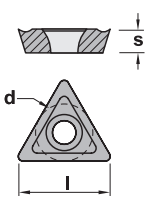
STFC 90º

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Nm3)	Insert
	PSC32-STFCR/L11065-11	20.0	16	32	11.0	65.0	48.0	0º	-4º	0.9	TC.. 1102..
	PSC32-STFCR/L13075-11	25.0	20	32	13.0	75.0	59.0	0º	-3º	0.9	TC.. 1102..
	PSC40-STFCR/L11070-11	20.0	16	40	11.0	70.0	47.0	0º	-4º	0.9	TC.. 1102..
	PSC40-STFCR/L13080-11	25.0	20	40	13.0	80.0	57.0	0º	-3º	0.9	TC.. 1102..
	PSC50-STFCR/L11070-11	20.0	16	50	11.0	70.0	46.0	0º	-4º	0.9	TC.. 1102..
	PSC50-STFCR/L13080-11	25.0	20	50	13.0	80.0	56.0	0º	-3º	0.9	TC.. 1102..
	PSC32-STFCR/L17090-16	32.0	25	32	17.0	90.0	74.0	0º	-3.5º	3.0	TC.. 16T3..
	PSC40-STFCR/L17090-16	32.0	25	40	17.0	90.0	69.0	0º	-6º	3.0	TC.. 16T3..
	PSC40-STFCR/L22110-16	40.0	32	40	22.0	110.0	89.0	0º	-10º	3.0	TC.. 16T3..
	PSC50-STFCR/L17090-16	32.0	25	50	17.0	90.0	67.0	0º	-6º	3.0	TC.. 16T3..
	PSC50-STFCR/L22110-16	40.0	32	50	22.0	110.0	88.0	0º	-10º	3.0	TC.. 16T3..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

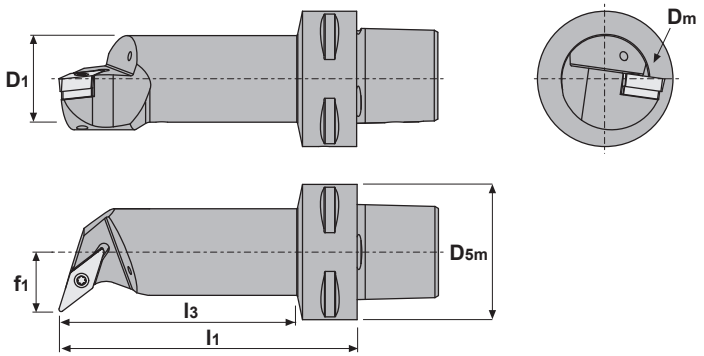
Ref.					
	PSC32-STFCR/L11065-11	1225	5507	-	-
	PSC32-STFCR/L13075-11	1225	5507	-	-
	PSC40-STFCR/L11070-11	1225	5507	-	-
	PSC40-STFCR/L13080-11	1225	5507	-	-
	PSC50-STFCR/L11070-11	1225	5507	-	-
	PSC50-STFCR/L13080-11	1225	5507	-	-
	PSC32-STFCR/L17090-16	1240	5515	-	-
	PSC40-STFCR/L17090-16	1240	5515	-	-
	PSC40-STFCR/L22110-16	1335	5516	3414	1750
	PSC50-STFCR/L17090-16	1240	5515	-	-
	PSC50-STFCR/L22110-16	1335	5516	3414	1750



Ref.	TC..	l	s	d
	TC.. 1102..	11,00	2,38	6,35
	TC.. 16T3..	16,50	3,97	9,52

Positive 7° clearance - Triangular inserts.

TCGT-AL	TCMT-03	TCMW				
						



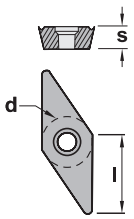
SVQB 107° 30'

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	y1)	λs2)	Nm3)	Insert
	PSC32-SVQBR/L18090-16	33.0	25.0	32	18.0	90.0	75.0	0°	-6°	3.0	VBMT 1604..
	PSC32-SVQBR/L22096-16	40.0	31.7	32	22.0	96.0	82.0	0°	-8°	3.0	VBMT 1604..
	PSC32-SVQBR/L22064-16	40.0	31.7	32	22.0	64.0	49.0	0°	-7.5°	3.0	VBMT 1604..
	PSC40-SVQBR/L18090-16	33.0	25.0	40	18.0	90.0	69.0	0°	-6°	3.0	VBMT 1604..
	PSC40-SVQBR/L22110-16	40.0	32.0	40	22.0	110.0	89.0	0°	-8°	3.0	VBMT 1604..
	PSC40-SVQBR/L27080-16	50.0	40.0	40	27.0	80.0	60.0	0°	-8°	3.0	VBMT 1604..
	PSC40-SVQBR/L27120-16	50.0	40.0	40	27.0	120.0	100.0	0°	-8°	3.0	VBMT 1604..
	PSC50-SVQBR/L18090-16	33.0	25.0	50	18.0	90.0	67.0	0°	-6°	3.0	VBMT 1604..
	PSC50-SVQBR/L22110-16	40.0	32.0	50	22.0	110.0	88.0	0°	-8°	3.0	VBMT 1604..
	PSC50-SVQBR/L27140-16	50.0	40.0	50	27.0	140.0	119.0	0°	-8°	3.0	VBMT 1604..
	PSC50-SVQBR/L35100-16	63.0	50.0	50	35.0	100.0	81.0	0°	-7°	3.0	VBMT 1604..
	PSC50-SVQBR/L35150-16	63.0	50.0	50	35.0	150.0	131.0	0°	-7°	3.0	VBMT 1604..
	PSC63-SVQBR/L22120-16	40.0	32.0	63	22.0	120.0	94.0	0°	-8°	3.0	VBMT 1604..
	PSC63-SVQBR/L27145-16	50.0	40.0	63	27.0	145.0	120.0	0°	-8°	3.0	VBMT 1604..
	PSC63-SVQBR/L35175-16	63.0	50.0	63	35.0	175.0	152.0	0°	-8°	3.0	VBMT 1604..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

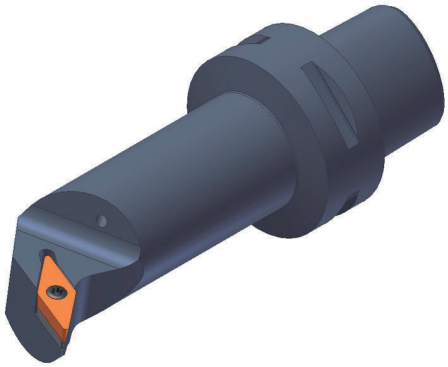
Ref.					
	PSC32-SVQBR/L18090-16	1335	5516	3718	1750
	PSC32-SVQBR/L22096-16	1335	5516	3718	1750
	PSC32-SVQBR/L22064-16	1335	5516	3718	1750
	PSC40-SVQBR/L18090-16	1335	5516	3718	1750
	PSC40-SVQBR/L22110-16	1335	5516	3718	1750
	PSC40-SVQBR/L27080-16	1335	5516	3718	1750
	PSC40-SVQBR/L27120-16	1335	5516	3718	1750
	PSC50-SVQBR/L18090-16	1335	5516	3718	1750
	PSC50-SVQBR/L22110-16	1335	5516	3718	1750
	PSC50-SVQBR/L27140-16	1335	5516	3718	1750
	PSC50-SVQBR/L35100-16	1335	5516	3718	1750
	PSC50-SVQBR/L35150-16	1335	5516	3718	1750
	PSC63-SVQBR/L22120-16	1335	5516	3718	1750
	PSC63-SVQBR/L27145-16	1335	5516	3718	1750
	PSC63-SVQBR/L35175-16	1335	5516	3718	1750

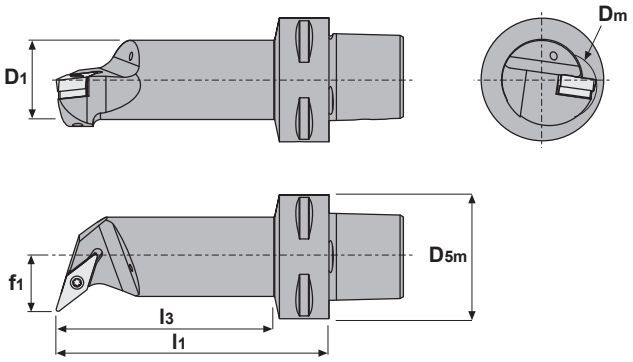


	VBMT	l	s	d
Ref.	VBMT 1604..	16,50	4,76	9,52

Positive 5° clearance - 35° rhombic inserts.

VBMT						
						





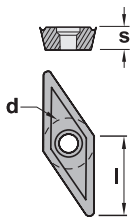
SVQC 107° 30'

Characteristics:
PSC with internal coolant.

1) γ= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

		Dm min.	D1	D5m	f1	l1	l3	γ1)	λs2)	Nm3)	Insert
Ref.	PSC32-SVQCR/L13070-11	22.0	16	32	13.0	70.0	53.4	0°	-7°	0.9	VC.. 1103..
	PSC32-SVQCR/L15080-11	27.0	20	32	15.0	80.0	63.9	0°	-5°	0.9	VC.. 1103..
	PSC40-SVQCR/L13070-11	25.0	20	40	13.0	70.0	47.9	0°	-5.5°	0.9	VC.. 1103..
	PSC40-SVQCR/L15080-11	27.0	20	40	15.0	80.0	57.9	0°	-5°	0.9	VC.. 1103..
	PSC40-SVQCR/L18090-16	33.0	25	40	18.0	90.0	69.0	0°	-12°	3.0	VC.. 1604..
	PSC40-SVQCR/L22110-16	40.0	32	40	22.0	110.0	89.0	0°	-8°	3.0	VC.. 1604..
	PSC40-SVQCR/L27080-16	50.0	40	40	27.0	80.0	60.0	0°	-8°	3.0	VC.. 1604..
	PSC40-SVQCR/L27120-16	50.0	40	40	27.0	120.0	100.0	0°	-8°	3.0	VC.. 1604..
	PSC50-SVQCR/L18090-16	33.0	25	50	18.0	90.0	67.0	0°	-12°	3.0	VC.. 1604..
	PSC50-SVQCR/L22110-16	40.0	32	50	22.0	110.0	88.0	0°	-8°	3.0	VC.. 1604..
	PSC50-SVQCR/L27140-16	50.0	40	50	27.0	140.0	119.0	0°	-8°	3.0	VC.. 1604..
	PSC50-SVQCR/L35100-16	63.0	50	50	35.0	100.0	81.0	0°	-7°	3.0	VC.. 1604..
	PSC50-SVQCR/L35150-16	63.0	50	50	35.0	150.0	131.0	0°	-7°	3.0	VC.. 1604..
	PSC63-SVQCR/L22120-16	40.0	32	63	22.0	120.0	94.0	0°	-8°	3.0	VC.. 1604..
	PSC63-SVQCR/L27145-16	50.0	40	63	27.0	145.0	120.0	0°	-8°	3.0	VC.. 1604..
	PSC63-SVQCR/L35175-16	63.0	50	63	35.0	175.0	152.0	0°	-8°	3.0	VC.. 1604..

Ref.	PSC32-SVQCR/L13070-11	1225	5507	-	-
	PSC32-SVQCR/L15080-11	1225	5507	-	-
	PSC40-SVQCR/L13070-11	1225	5507	-	-
	PSC40-SVQCR/L15080-11	1225	5507	-	-
	PSC40-SVQCR/L18090-16	1335	5516	3718	1750
	PSC40-SVQCR/L22110-16	1335	5516	3718	1750
	PSC40-SVQCR/L27080-16	1335	5516	3718	1750
	PSC40-SVQCR/L27120-16	1335	5516	3718	1750
	PSC50-SVQCR/L18090-16	1335	5516	3718	1750
	PSC50-SVQCR/L22110-16	1335	5516	3718	1750
	PSC50-SVQCR/L27140-16	1335	5516	3718	1750
	PSC50-SVQCR/L35100-16	1335	5516	3718	1750
	PSC50-SVQCR/L35150-16	1335	5516	3718	1750
	PSC63-SVQCR/L22120-16	1335	5516	3718	1750
	PSC63-SVQCR/L27145-16	1335	5516	3718	1750
	PSC63-SVQCR/L35175-16	1335	5516	3718	1750

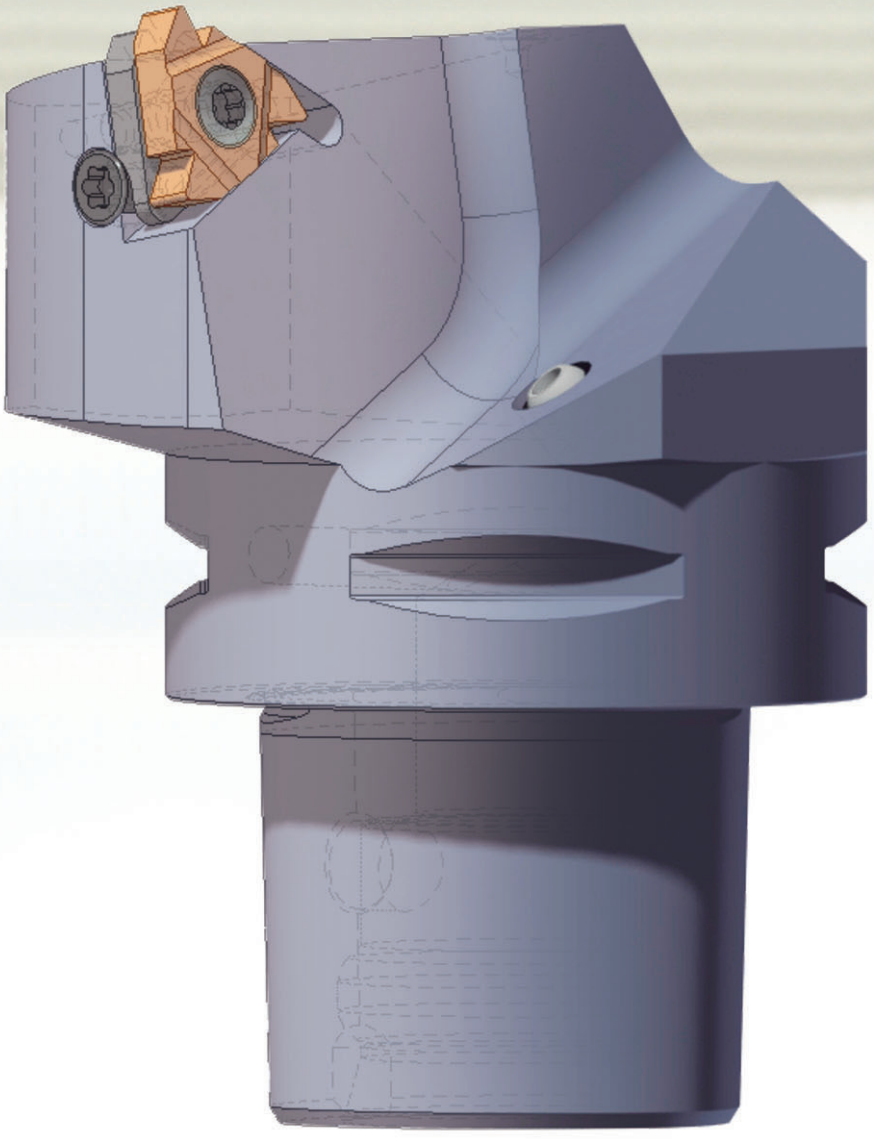


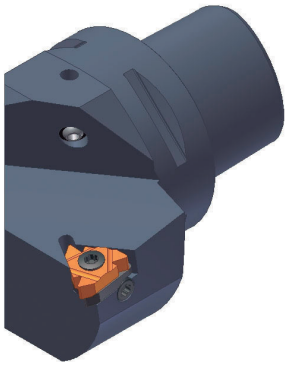
VC..	l	s	d
Ref. VC.. 1103..	11,00	3,18	6,35
VC.. 1604..	16,50	4,76	9,52

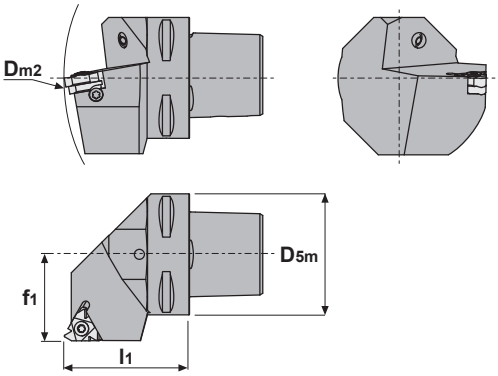
Positive 7° clearance - 35° rhombic inserts.

VCGT-AL	VCGT-AP	VCMT-03				
						

PSC Threading







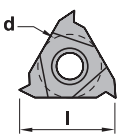
SE 90º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	Nm1)	Insert
	PSC32-SER/L22040-16	32	124	22	40	1.7	16 ER/L..
	PSC40-SER/L27050-16	40	140	27	50	1.7	16 ER/L..
	PSC50-SER/L35060-16	50	165	35	60	1.7	16 ER/L..
	PSC63-SER/L45065-16	63	190	45	65	1.7	16 ER/L..
	PSC32-SER/L22040-22	32	124	22	40	3.9	22 ER/L..
	PSC40-SER/L27050-22	40	140	27	50	3.9	22 ER/L..
	PSC50-SER/L35060-22	50	165	35	60	3.9	22 ER/L..
	PSC63-SER/L45065-22	63	190	45	65	3.9	22 ER/L..
	PSC80-SER/L55080-22	80	250	55	80	3.9	22 ER/L..

1) Nm= Insert moment of force.

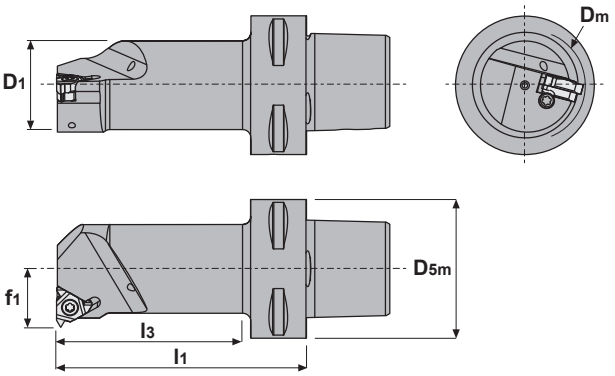
Ref.				 L	 R	
	PSC32-SER/L22040-16	SA3	5510	YI3	YE3	SY3
	PSC40-SER/L27050-16	SA3	5510	YI3	YE3	SY3
	PSC50-SER/L35060-16	SA3	5510	YI3	YE3	SY3
	PSC63-SER/L45065-16	SA3	5510	YI3	YE3	SY3
	PSC32-SER/L22040-22	SA4	5520	YI4	YE4	SY4
	PSC40-SER/L27050-22	SA4	5520	YI4	YE4	SY4
	PSC50-SER/L35060-22	SA4	5520	YI4	YE4	SY4
	PSC63-SER/L45065-22	SA4	5520	YI4	YE4	SY4
	PSC80-SER/L55080-22	SA4	5520	YI4	YE4	SY4



Ref.	E R/L	l	d
	16 ER/L..	16,00	9,52
	22 ER/L..	22,00	12,70

Negative triangular inserts for external threading.

E R/L	E R/L TD					
						

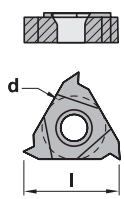


SI 90°

Characteristics:
PSC with internal coolant.

1) Nm= Insert moment of force.

Ref.		D1	Dm min.	D5m	f1	l1	l3	Nm1)	Insert			L	R	
	PSC32-SIR/L12050-16	15.5	20	32	12	50	33	1.7	16 NR/L..	SN3	5510	-	-	-
	PSC32-SIR/L14060-16	18.5	25	32	14	60	44	1.7	16 NR/L..	SA3T	5510	YE3	YI3	SY3
	PSC32-SIR/L17065-16	24.5	32	32	17	65	49	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC32-SIR/L22085-16	31.5	40	32	22	85	70	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC40-SIR/L12060-16	15.5	20	40	12	60	37	1.7	16 NR/L..	SN3	5510	-	-	-
	PSC40-SIR/L14060-16	18.5	25	40	14	60	38	1.7	16 NR/L..	SA3T	5510	YE3	YI3	SY3
	PSC40-SIR/L17070-16	24.5	32	40	17	70	48	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC40-SIR/L22090-16	32.0	40	40	22	90	69	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC40-SIR/L27080-16	39.5	50	40	27	80	60	1.7	16 NR/L..	SA4	5520	YE3	YI3	SY3
	PSC50-SIR/L12060-16	15.5	20	50	12	60	35	1.7	16 NR/L..	SN3	5510	-	-	-
	PSC50-SIR/L14060-16	18.5	25	50	14	60	36	1.7	16 NR/L..	SA3T	5510	YE3	YI3	SY3
	PSC50-SIR/L17070-16	24.5	32	50	17	70	47	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC50-SIR/L22090-16	24.5	40	50	22	90	68	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC50-SIR/L27105-16	40.0	50	50	27	105	84	1.7	16 NR/L..	SA4	5520	YE3	YI3	SY3
	PSC63-SIR/L14070-16	18.5	25	63	14	70	42	1.7	16 NR/L..	SA3T	5510	YE3	YI3	SY3
	PSC63-SIR/L17075-16	24.5	32	63	17	75	48	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC63-SIR/L22090-16	32.0	40	63	22	90	64	1.7	16 NR/L..	SA3	5510	YE3	YI3	SY3
	PSC63-SIR/L27105-16	40.0	50	63	27	105	80	1.7	16 NR/L..	SA4	5520	YE3	YI3	SY3
	PSC40-SIR/L15065-22	18.5	25	40	15	65	42	3.9	22 NR/L..	SN4	5520	-	-	-
	PSC40-SIR/L19070-22	25.0	32	40	19	70	48	3.9	22 NR/L..	SA3	5510	YE4	YI4	SY4
	PSC40-SIR/L22090-22	31.5	40	40	22	90	69	3.9	22 NR/L..	SA3	5510	YE4	YI4	SY4
	PSC40-SIR/L27080-22	39.5	50	40	27	80	60	3.9	22 NR/L..	SA4	5520	YE4	YI4	SY4
	PSC50-SIR/L15065-22	18.5	25	50	15	65	41	3.9	22 NR/L..	SN4	5520	-	-	-
	PSC50-SIR/L19070-22	25.0	32	50	19	70	47	3.9	22 NR/L..	SA3	5510	YE4	YI4	SY4
	PSC50-SIR/L22090-22	31.5	40	50	22	90	68	3.9	22 NR/L..	SA3	5510	YE4	YI4	SY4
	PSC50-SIR/L27105-22	40.0	50	50	27	105	84	3.9	22 NR/L..	SA4	5520	YE4	YI4	SY4
	PSC63-SIR/L19075-22	25.0	32	63	19	75	48	3.9	22 NR/L..	SA3	5510	YE4	YI4	SY4
	PSC63-SIR/L22090-22	31.5	40	63	22	90	64	3.9	22 NR/L..	SA3	5510	YE4	YI4	SY4
	PSC63-SIR/L27105-22	40.0	50	63	27	105	80	3.9	22 NR/L..	SA4	5520	YE4	YI4	SY4

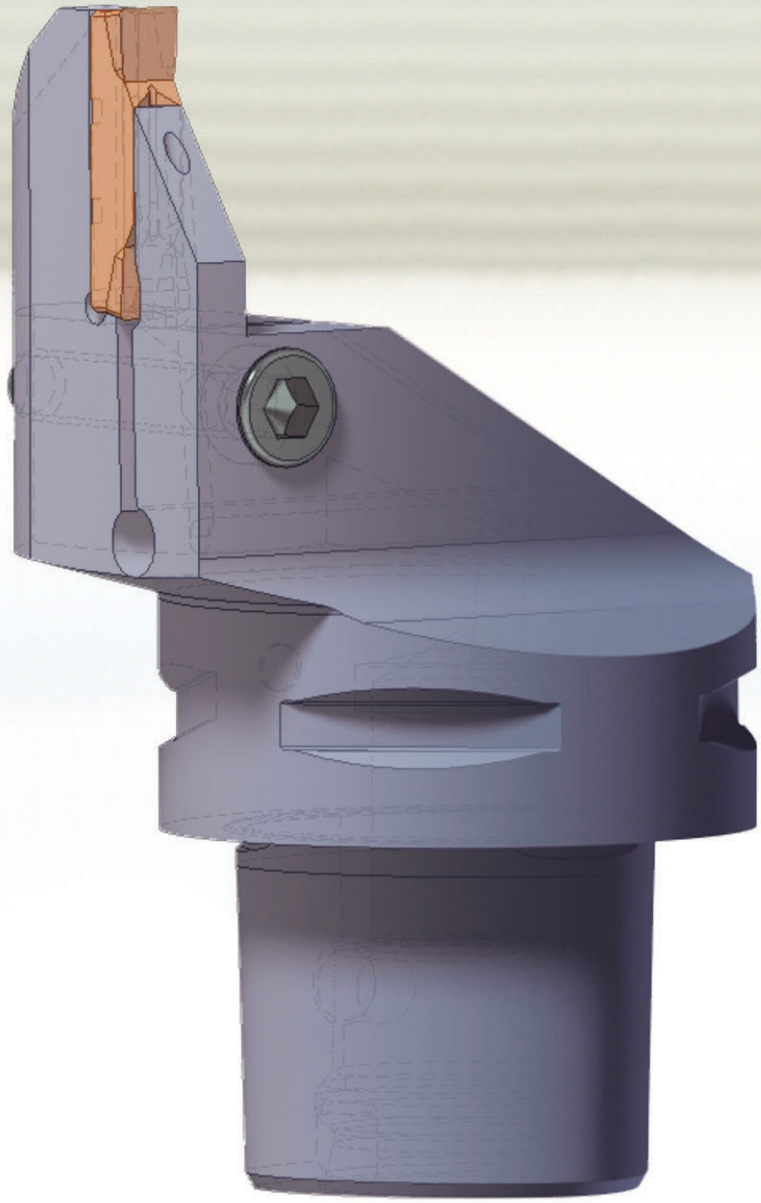


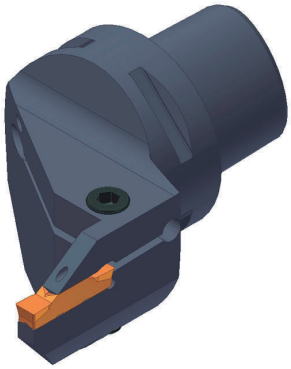
Ref.	N R/L	l	d
	16 NR/L..	16,00	9,52
	22 NR/L..	22,00	12,70

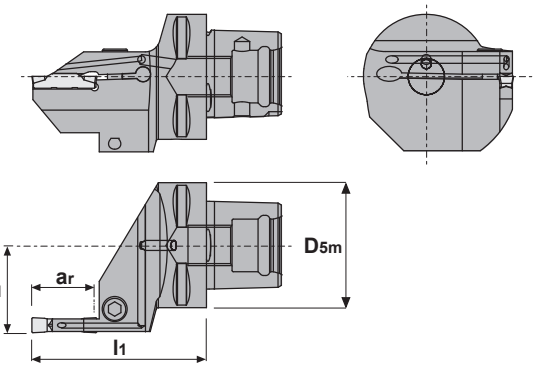
Negative triangular inserts for external threading.

N R/L	N R/L TD					
						

PSC Parting and grooving





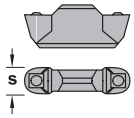


CZCD

Characteristics:
PSC with internal coolant.

1) Nm= Insert moment of force.

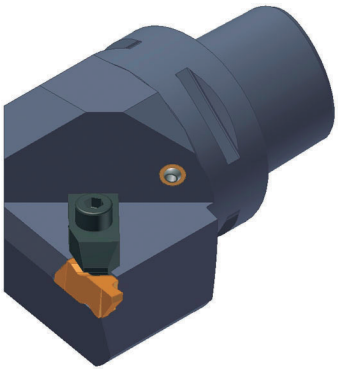
Ref.		D5m	f1	l1	Nm1)	ar max	Insert		
	PSC32-CZCDR/L22055-02	32	22	55	4.0	15	WDM.. 02	1296	5005
	PSC40-CZCDR/L27055-02	40	27	55	4.0	15	WDM.. 02	1096	5005
	PSC50-CZCDR/L35060-02	50	35	60	4.0	15	WDM.. 02	1096	5005
	PSC32-CZCDR/L22055-03	32	22	55	5.0	20	WDM.. 03	1296	5005
	PSC40-CZCDR/L27060-03	40	27	60	5.0	20	WDM.. 03	1096	5005
	PSC50-CZCDR/L35060-03	50	35	60	5.0	20	WDM.. 03	1096	5005
	PSC63-CZCDR/L45065-03	63	45	65	5.0	20	WDM.. 03	1096	5005
	PSC32-CZCDR/L22060-04	32	22	60	7.0	20	WDM.. 04	1296	5005
	PSC40-CZCDR/L27067-04	40	27	67	7.0	25	WDM.. 04	1096	5005
	PSC50-CZCDR/L35067-04	50	35	67	7.0	25	WDM.. 04	1096	5005
	PSC63-CZCDR/L45070-04	63	45	70	7.0	25	WDM.. 04	1096	5005
	PSC40-CZCDR/L27067-05	40	27	67	6.0	25	WDM.. 05	1096	5005
	PSC50-CZCDR/L35067-05	50	35	67	6.0	25	WDM.. 05	1096	5005
	PSC63-CZCDR/L45070-05	63	45	70	6.0	25	WDM.. 05	1096	5005
	PSC40-CZCDR/L27070-06	40	27	70	6.0	25	WDM.. 06	1096	5005
	PSC50-CZCDR/L35070-06	50	35	70	6.0	25	WDM.. 06	1096	5005
	PSC63-CZCDR/L45075-06	63	45	75	6.0	25	WDM.. 06	1096	5005

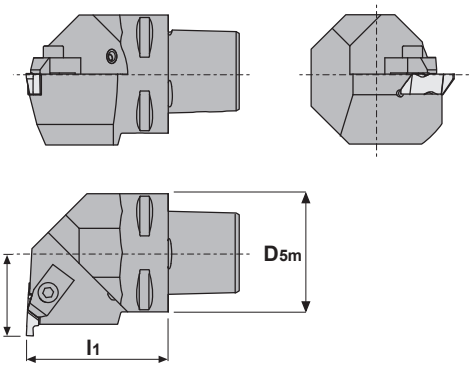


Ref.	WDM..	s
	WDM.. 02	2,0
	WDM.. 03	3,0
	WDM.. 04	4,0
	WDM.. 05	5,0
	WDM.. 06	6,0

WDMP: Insert for parting
WDMG: Insert for grooving
WDMT: Insert for turning
WDMR: Insert for parting with radius

WDMP	WDMG	WDMT	WDMR			
						



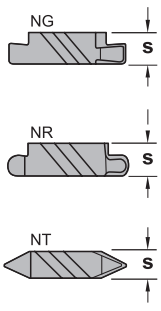


NE 93º

Characteristics:
PSC with internal coolant.

Ref.		D_{5m}	f_1	l_1	Insert
	PSC40-NER/L27050-03	40	27	50	N.. 3
	PSC50-NER/L35060-03	50	35	60	N.. 3
	PSC63-NER/L45065-03	63	45	65	N.. 3

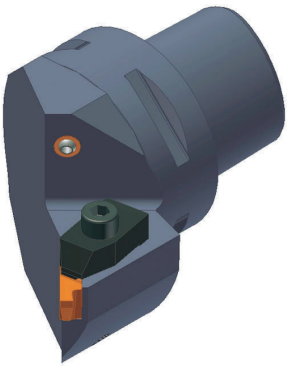
Ref.					
	PSC40-NER/L27050-03	TF-73	TF-72	5004	1495
	PSC50-NER/L35060-03	TF-73	TF-72	5004	1495
	PSC63-NER/L45065-03	TF-73	TF-72	5004	1495

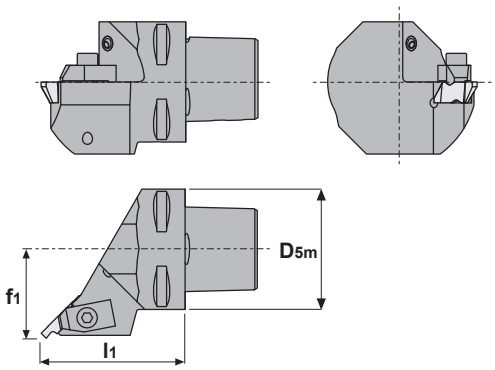


Ref.	N..	d	a	s
	N.. 3	9,53	8,74	4,95

NG: Insert for parting
NR: Insert for parting with radius
NT: Insert for threading

NG	NR	NT				
						



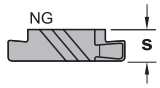


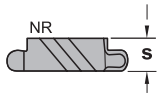
NR 45º

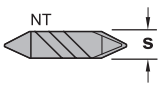
Characteristics:
PSC with internal coolant.

Ref.		D5m	f1	l1	Insert
	PSC40-NRR/L27050-03	40	27	50	N.. 3
	PSC50-NRR/L35060-03	50	35	60	N.. 3
	PSC63-NRR/L45065-03	63	45	65	N.. 3

Ref.					
	PSC40-NRR/L27050-03	TF-73	TF-72	5004	1495
	PSC50-NRR/L35060-03	TF-73	TF-72	5004	1495
	PSC63-NRR/L45065-03	TF-73	TF-72	5004	1495



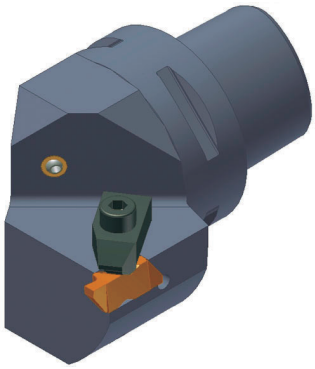


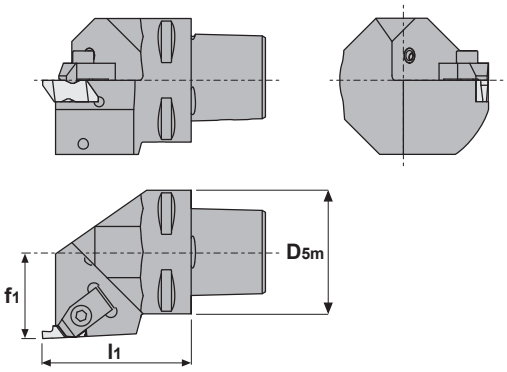


	N..	d	a	s
Ref.	**N.. 3**	9,53	8,74	4,95

NG: Insert for parting
NR: Insert for parting with radius
NT: Insert for threading

NG	NR	NT				
						



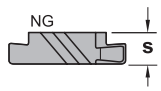


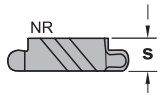
NS 93º

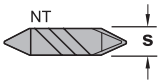
Characteristics:
PSC with internal coolant.

Ref.		D5m	f1	l1	Insert
	PSC32-NSR22040-02	32	22	40	N.. 2
	PSC40-NSR/L27050-02	40	27	50	N.. 2
	PSC32-NSR22045-03	32	22	45	N.. 3
	PSC40-NSR/L27050-03	40	27	50	N.. 3
	PSC50-NSR/L35060-03	50	35	60	N.. 3
	PSC63-NSR/L45065-03	63	45	65	N.. 3
	PSC40-NSR/L27055-04	40	27	55	N.. 4
	PSC50-NSR/L35060-04	50	35	60	N.. 4
	PSC63-NSR/L45065-04	63	45	65	N.. 4

Ref.							
	PSC32-NSR22040-02	TF-74	TF-75	-	-	5003	1494
	PSC40-NSR/L27050-02	TF-74	TF-75	-	-	5003	1494
	PSC32-NSR22045-03	TF-72	TF-73	-	-	5004	1495
	PSC40-NSR/L27050-03	TF-72	TF-73	-	-	5004	1495
	PSC50-NSR/L35060-03	TF-72	TF-73	-	-	5004	1495
	PSC63-NSR/L45065-03	TF-72	TF-73	-	-	5004	1495
	PSC40-NSR/L27055-04	TF-72	TF-73	3521	1625	5004	1495
	PSC50-NSR/L35060-04	TF-72	TF-73	3521	1625	5004	1495
	PSC63-NSR/L45065-04	TF-72	TF-73	3521	1625	5004	1495



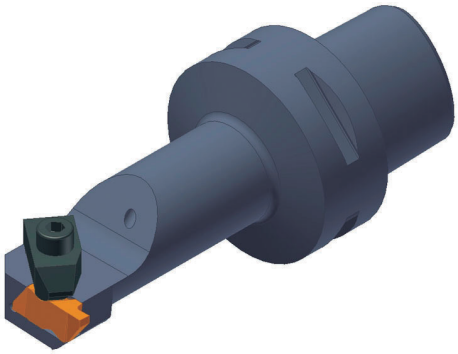


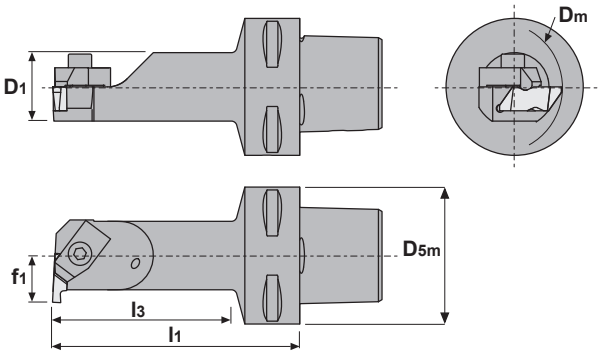


Ref.	N..	d	a	s
	N.. 2	4,76	5,56	3,81
	N.. 3	9,53	8,74	4,95
	N.. 4	9,53	11,51	6,48

NG: Insert for parting
NR: Insert for parting with radius
NT: Insert for threading

NG	NR	NT				
						



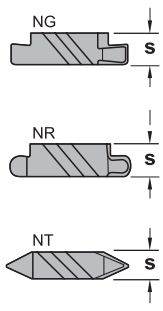


NNTO 93º

Characteristics:
PSC with internal coolant.

Ref.		Dm min.	D1	D5m	f1	l1	l3	Insert
	PSC40-NNTOR/L11070-02	22.0	16.0	40	11	70	47.0	N.. 2
	PSC40-NNTOR/L13080-02	26.0	20.0	40	13	80	58.0	N.. 2
	PSC50-NNTOR/L11070-02	22.0	16.0	50	11	70	46.0	N.. 2
	PSC50-NNTOR/L13080-02	26.0	20.0	50	13	80	56.0	N.. 2
	PSC50-NNTOR/L17090-02	34.0	25.0	50	17	90	67.0	N.. 2
	PSC40-NNTOR/L17090-03	34.0	25.0	40	17	90	69.0	N.. 3
	PSC50-NNTOR/L17090-03	34.0	25.0	50	17	90	67.0	N.. 3
	PSC50-NNTOR/L22110-03	44.0	32.0	50	22	110	88.0	N.. 3
	PSC63-NNTOR/L27140-04	54.0	40.0	63	27	140	115.0	N.. 4
	PSC63-NNTOR/L35175-04	70.0	50.0	63	35	175	152.0	N.. 4

Ref.					
	PSC40-NNTOR/L11070-02	TF-147	TF-146	5003	1494
	PSC40-NNTOR/L13080-02	TF-75	TF-146	5003	1494
	PSC50-NNTOR/L11070-02	TF-75	TF-146	5003	1494
	PSC50-NNTOR/L13080-02	TF-75	TF-146	5003	1494
	PSC50-NNTOR/L17090-02	TF-75	TF-146	5003	1494
	PSC40-NNTOR/L17090-03	TF-73	TF-72	5004	1495
	PSC50-NNTOR/L17090-03	TF-73	TF-72	5004	1495
	PSC50-NNTOR/L22110-03	TF-73	TF-72	5004	1495
	PSC63-NNTOR/L27140-04	TF-73	TF-72	5004	1495
	PSC63-NNTOR/L35175-04	TF-73	TF-72	5004	1495

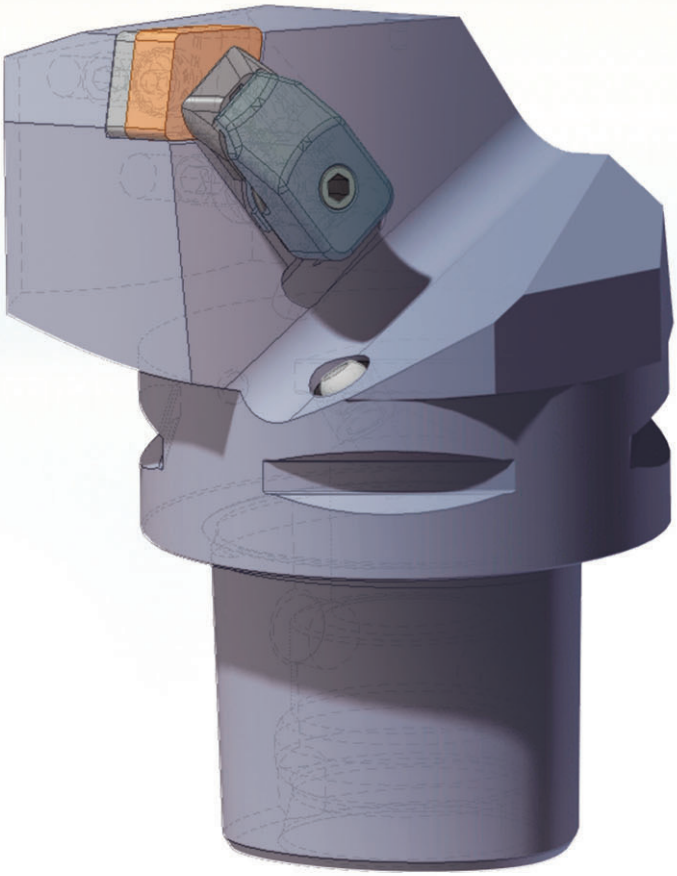


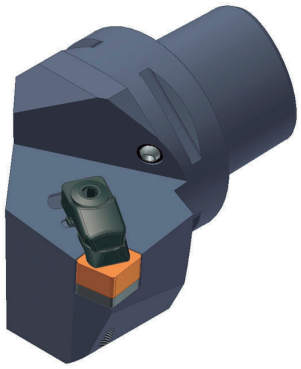
Ref.	N..	d	a	s
	N.. 2	4,76	5,56	3,81
	N.. 3	9,53	8,74	4,95
	N.. 4	9,53	11,51	6,48

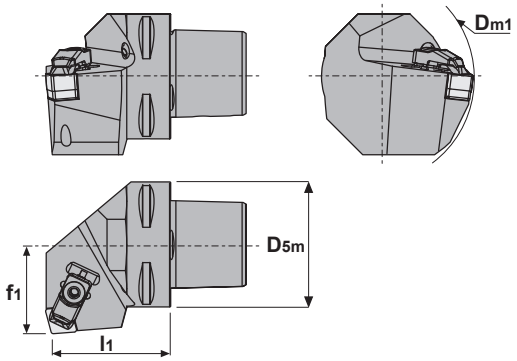
NG: Insert for parting
NR: Insert for parting with radius
NT: Insert for threading

NG	NR	NT				
						

PSC Ceramic







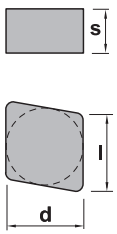
CCKN 75°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CCKNR/L27050-12-4CD	40	110	27.0	50.0	-6°	-6°	3.9	CNGN 1204..
	PSC40-CCKNR/L27050-12-7CD	40	110	27.0	50.0	-6°	-6°	3.9	CNGN 1207..
	PSC50-CCKNR/L35060-12-4CD	50	110	35.0	60.0	-6°	-6°	3.9	CNGN 1204..
	PSC50-CCKNR/L35060-12-7CD	50	110	35.0	60.0	-6°	-6°	3.9	CNGN 1207..
	PSC63-CCKNR/L45065-12-4CD	63	110	45.0	65.0	-6°	-6°	3.9	CNGN 1204..
	PSC63-CCKNR/L45065-12-7CD	63	110	45.0	65.0	-6°	-6°	3.9	CNGN 1207..
	PSC40-CCKNR/L27050-16CD	40	125	27.0	50.0	-6°	-6°	6.4	CNGN 1607..
	PSC50-CCKNR/L35060-16CD	50	125	35.0	60.0	-6°	-6°	6.4	CNGN 1607..
	PSC63-CCKNR/L45065-16CD	63	125	45.0	65.0	-6°	-6°	6.4	CNGN 1607..
	PSC63-CCKNR/L45065-19CD	63	125	45.0	65.0	-6°	-6°	6.4	CNGN 1907..
	PSC80-CCKNR/L55080-19CD	80	125	55.0	80.0	-6°	-6°	6.4	CNGN 1907..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CCKNR/L27050-12-4CD	ICSN-442	1766	9414	2713	1086	5003
	PSC40-CCKNR/L27050-12-7CD	ICSN-422	1766	9414	2713	1086	5003
	PSC50-CCKNR/L35060-12-4CD	ICSN-442	1766	9414	2713	1086	5003
	PSC50-CCKNR/L35060-12-7CD	ICSN-422	1766	9414	2713	1086	5003
	PSC63-CCKNR/L45065-12-4CD	ICSN-442	1766	9414	2713	1086	5003
	PSC63-CCKNR/L45065-12-7CD	ICSN-422	1766	9414	2713	1086	5003
	PSC40-CCKNR/L27050-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC50-CCKNR/L35060-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC63-CCKNR/L45065-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC63-CCKNR/L45065-19CD	ICSN-623	1770	9414	2713	1086	5003
	PSC80-CCKNR/L55080-19CD	ICSN-623	1770	9414	2713	1086	5003

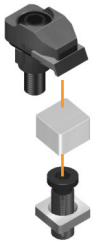


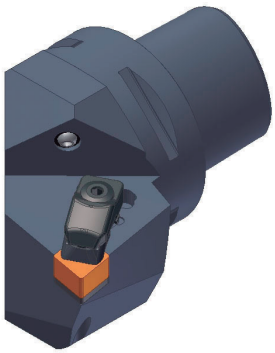
Ref.	CNGN	l	s	d
	CNGN 1204..	12,90	4,76	12,70
	CNGN 1207..	12,90	7,94	12,70
	CNGN 1607..	16,10	7,94	15,88
	CNGN 1907..	19,30	7,94	19,05

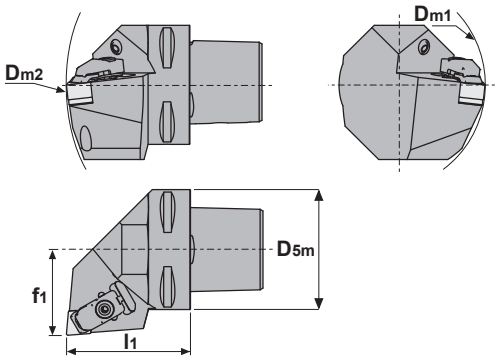
Negative 80° rhombic inserts.

CNGN			
			

CD







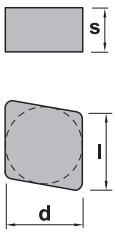
CCLN 95º

Characteristics:
PSC with internal coolant.

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

		D5m	Dm1 min.4)	Dm2 min.4)	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CCLNR/L27050-12-4CD	40	110	140	27.0	50.0	-6º	-6º	3.9	CNGN 1204..
	PSC40-CCLNR/L27050-12-7CD	40	110	140	27.0	50.0	-6º	-6º	3.9	CNGN 1207..
	PSC50-CCLNR/L35060-12-4CD	50	110	165	35.0	60.0	-6º	-6º	3.9	CNGN 1204..
	PSC50-CCLNR/L35060-12-7CD	50	110	165	35.0	60.0	-6º	-6º	3.9	CNGN 1207..
	PSC63-CCLNR/L45065-12-4CD	63	110	190	45.0	65.0	-6º	-6º	3.9	CNGN 1204..
	PSC63-CCLNR/L45065-12-7CD	63	110	190	45.0	65.0	-6º	-6º	3.9	CNGN 1207..
	PSC63-CCLNR/L45065-16CD	63	125	190	45.0	65.0	-6º	-6º	6.4	CNGN 1607..
	PSC80-CCLNR/L55080-16CD	80	125	250	55.0	80.0	-6º	-6º	6.4	CNGN 1607..

							
Ref.	PSC40-CCLNR/L27050-12-4CD	ICSN-443	1766	9414	2713	1086	5003
	PSC40-CCLNR/L27050-12-7CD	ICSN-424	1766	9414	2713	1086	5003
	PSC50-CCLNR/L35060-12-4CD	ICSN-443	1766	9414	2713	1086	5003
	PSC50-CCLNR/L35060-12-7CD	ICSN-424	1766	9414	2713	1086	5003
	PSC63-CCLNR/L45065-12-4CD	ICSN-443	1766	9414	2713	1086	5003
	PSC63-CCLNR/L45065-12-7CD	ICSN-424	1766	9414	2713	1086	5003
	PSC63-CCLNR/L45065-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC80-CCLNR/L55080-16CD	ICSN-523	1768	9414	2713	1086	5003

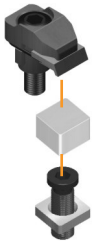


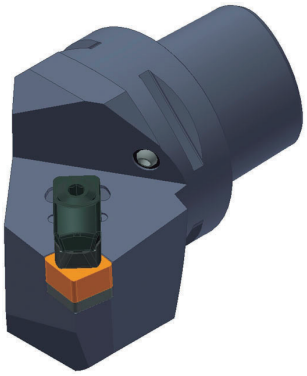
	CNGN	l	s	d
Ref.	CNGN 1204..	12,90	4,76	12,70
	CNGN 1207..	12,90	7,94	12,70
	CNGN 1607..	16,10	7,94	15,88

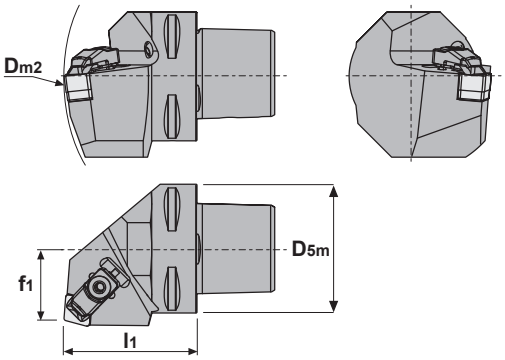
Negative 80° rhombic inserts.

CNGN			
			

CD







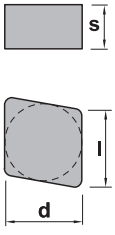
CCRN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CCRNR/L22050-12-4CD	40	140	22.0	50.0	-6º	-6º	3.9	CNGN 1204..
	PSC40-CCRNR/L22050-12-7CD	40	140	22.0	50.0	-6º	-6º	3.9	CNGN 1207..
	PSC50-CCRNR/L27060-12-4CD	50	165	27.0	60.0	-6º	-6º	3.9	CNGN 1204..
	PSC50-CCRNR/L27060-12-7CD	50	165	27.0	60.0	-6º	-6º	3.9	CNGN 1207..
	PSC63-CCRNR/L35065-12-4CD	63	190	35.0	65.0	-6º	-6º	3.9	CNGN 1204..
	PSC63-CCRNR/L35065-12-7CD	63	190	35.0	65.0	-6º	-6º	3.9	CNGN 1207..
	PSC50-CCRNR/L27060-16CD	50	165	27.0	60.0	-6º	-6º	6.4	CNGN 1607..
	PSC63-CCRNR/L35065-16CD	63	190	35.0	65.0	-6º	-6º	6.4	CNGN 1607..
	PSC80-CCRNR/L55080-16CD	80	250	55.0	80.0	-6º	-6º	6.4	CNGN 1607..
	PSC50-CCRNR/L27060-19CD	50	165	27.0	60.0	-6º	-6º	6.4	CNGN 1907..
	PSC63-CCRNR/L35065-19CD	63	190	35.0	65.0	-6º	-6º	6.4	CNGN 1907..
	PSC80-CCRNR/L55080-19CD	80	250	55.0	80.0	-6º	-6º	6.4	CNGN 1907..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CCRNR/L22050-12-4CD	ICSN-442	1766	9414	2713	1086	5003
	PSC40-CCRNR/L22050-12-7CD	ICSN-422	1766	9414	2713	1086	5003
	PSC50-CCRNR/L27060-12-4CD	ICSN-442	1766	9414	2713	1086	5003
	PSC50-CCRNR/L27060-12-7CD	ICSN-422	1766	9414	2713	1086	5003
	PSC63-CCRNR/L35065-12-4CD	ICSN-442	1766	9414	2713	1086	5003
	PSC63-CCRNR/L35065-12-7CD	ICSN-422	1766	9414	2713	1086	5003
	PSC50-CCRNR/L27060-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC63-CCRNR/L35065-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC80-CCRNR/L55080-16CD	ICSN-523	1768	9414	2713	1086	5003
	PSC50-CCRNR/L27060-19CD	ICSN-623	1770	9414	2713	1086	5003
	PSC63-CCRNR/L35065-19CD	ICSN-623	1770	9414	2713	1086	5003
	PSC80-CCRNR/L55080-19CD	ICSN-623	1770	9414	2713	1086	5003

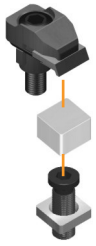


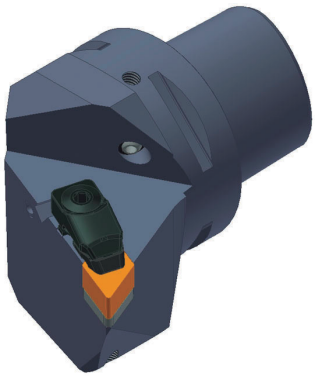
Ref.	CNGN	l	s	d
	CNGN 1204..	12,90	4,76	12,70
	CNGN 1207..	12,90	7,94	12,70
	CNGN 1607..	16,10	7,94	15,88
	CNGN 1907..	19,30	7,94	19,05

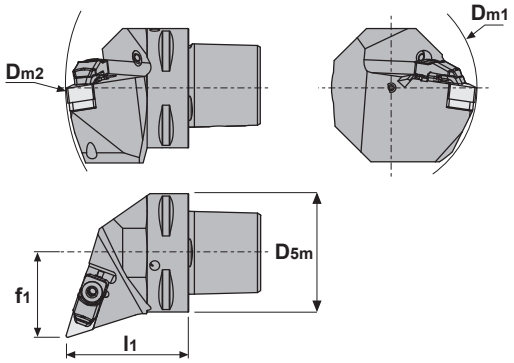
Negative 80° rhombic inserts.

CNGN			
			

CD







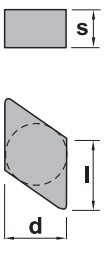
CDHN 107° 30’

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CDHNR/L27055-15-CD	40	110	145	27.0	55.0	-6°	-7°	3.9	DN.. 1507..
	PSC50-CDHNR/L35060-15-CD	50	110	165	35.0	60.0	-6°	-7°	3.9	DN.. 1507..
	PSC63-CDHNR/L45065-15-CD	63	110	190	45.0	65.0	-6°	-7°	3.9	DN.. 1507..
	PSC80-CDHNR/L55080-15-CD	80	110	250	55.0	80.0	-6°	-7°	3.9	DN.. 1507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC40-CDHNR/L27055-15-CD	IDSN-422	1766	9416	2717	1086	5003
	PSC50-CDHNR/L35060-15-CD	IDSN-422	1766	9416	2717	1086	5003
	PSC63-CDHNR/L45065-15-CD	IDSN-422	1766	9416	2717	1086	5003
	PSC80-CDHNR/L55080-15-CD	IDSN-422	1766	9416	2717	1086	5003

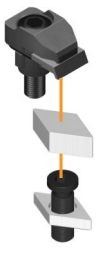


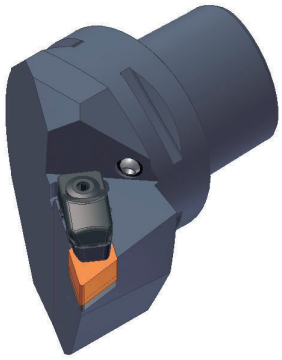
	DNGN	l	s	d
Ref.	DNGN 1507..	15,50	7,94	12,70

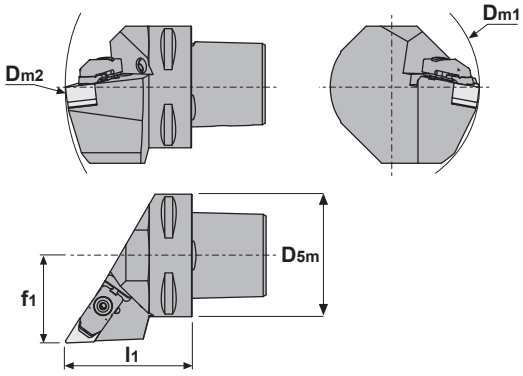
Negative 55° rhombic inserts.

DNGN			
			

CD







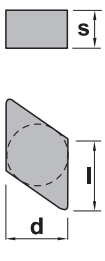
CDJN 93°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	**PSC40-CDJNR/L27055-15CD**	40	110	145	27.0	55.0	-6°	-7°	3.9	DNGN 1507..
	PSC50-CDJNR/L35060-15CD	50	110	165	35.0	60.0	-6°	-7°	3.9	DNGN 1507..
	PSC63-CDJNR/L45065-15CD	63	110	190	45.0	65.0	-6°	-7°	3.9	DNGN 1507..
	PSC80-CDJNR/L55080-15CD	80	110	250	55.0	80.0	-6°	-7°	3.9	DNGN 1507..

1) γ= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
Ref.	**PSC40-CDJNR/L27055-15CD**	IDSN-422	1766	9416	2717	1086	5003
	PSC50-CDJNR/L35060-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC63-CDJNR/L45065-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC80-CDJNR/L55080-15CD	IDSN-422	1766	9416	2717	1086	5003

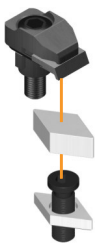


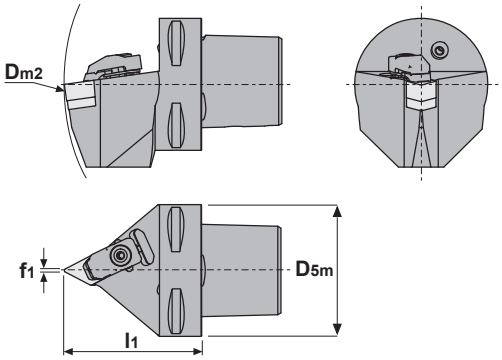
	DNGN	l	s	d
Ref.	**DNGN 1507..**	15,50	7,94	12,70

Negative 55° rhombic inserts.

DNGN			
			

CD





CDNN 63°

Characteristics:
PSC with internal coolant.

		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CDNNN00055-15CD	40	145	0.5	55.0	-5°	-9°	3.9	DNGN 1507..
	PSC50-CDNNN00060-15CD	50	165	0.5	60.0	-5°	-9°	3.9	DNGN 1507..
	PSC63-CDNNN00065-15CD	63	190	0.5	65.0	-5°	-9°	3.9	DNGN 1507..
	PSC80-CDNNN00080-15CD	80	250	0.5	80.0	-5°	-9°	3.9	DNGN 1507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

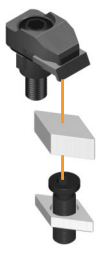
							
Ref.	PSC40-CDNNN00055-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC50-CDNNN00060-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC63-CDNNN00065-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC80-CDNNN00080-15CD	IDSN-422	1766	9416	2717	1086	5003

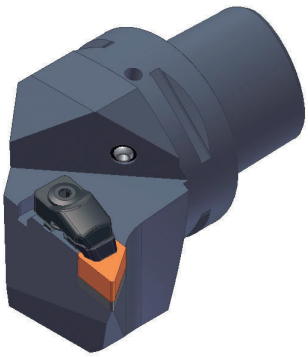
	DNGN	l	s	d
Ref.	DNGN 1507..	15,50	7,94	12,70

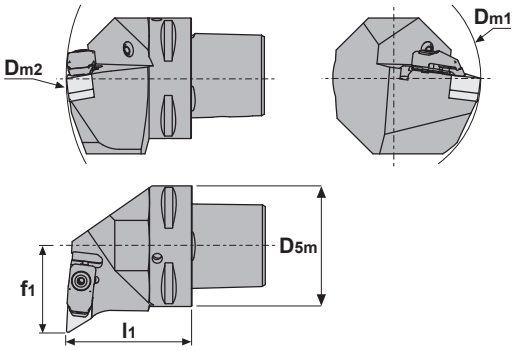
Negative 55° rhombic inserts.

DNGN			
			

CD







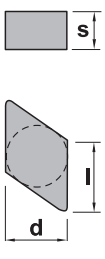
CDUN 93°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CDUNR/L27050-15CD	40	110	140	27.0	50.0	-6°	-7°	3.9	DNGN 1507..
	PSC50-CDUNR/L35060-15CD	50	110	165	35.0	60.0	-6°	-7°	3.9	DNGN 1507..
	PSC63-CDUNR/L45065-15CD	63	110	190	45.0	65.0	-6°	-7°	3.9	DNGN 1507..
	PSC80-CDUNR/L55080-15CD	80	110	250	55.0	80.0	-6°	-7°	3.9	DNGN 1507..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC40-CDUNR/L27050-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC50-CDUNR/L35060-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC63-CDUNR/L45065-15CD	IDSN-422	1766	9416	2717	1086	5003
	PSC80-CDUNR/L55080-15CD	IDSN-422	1766	9416	2717	1086	5003

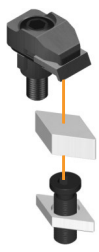


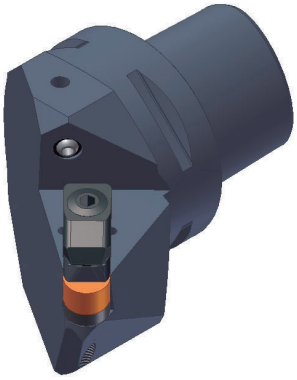
	DNGN	l	s	d
Ref.	DNGN 1507..	15,50	7,94	12,70

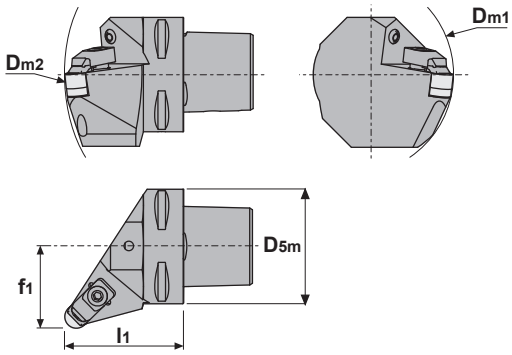
Negative 55° rhombic inserts.

DNGN			
			

CD







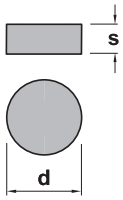
CRSN

Characteristics:
PSC with internal coolant.

Ref.		D_{5m}	D_{m1} min.	D_{m2} min.	f_1	l_1	$y^{1)}$	$\lambda s^{2)}$	$Nm^{3)}$	Insert
	PSC40-CRSNR/L27050-12-4CD	40	110	140	27.0	50.0	-6°	-6°	3.9	RNGN 1204..
	PSC40-CRSNR/L27050-12-7CD	40	110	140	27.0	50.0	-6°	-6°	3.9	RNGN 1207..
	PSC50-CRSNR/L35060-12-4CD	50	110	165	35.0	60.0	-6°	-6°	3.9	RNGN 1204..
	PSC50-CRSNR/L35060-12-7CD	50	110	165	35.0	60.0	-6°	-6°	3.9	RNGN 1207..
	PSC63-CRSNR/L45065-12-4CD	63	110	190	45.0	65.0	-6°	-6°	3.9	RNGN 1204..
	PSC63-CRSNR/L45065-12-7CD	63	110	190	45.0	65.0	-6°	-6°	3.9	RNGN 1207..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CRSNR/L27050-12-4CD	IRSN 44	1766	2713	1086	9414	5003
	PSC40-CRSNR/L27050-12-7CD	IRSN 42	1766	2713	1086	9414	5003
	PSC50-CRSNR/L35060-12-4CD	IRSN 44	1766	2713	1086	9414	5003
	PSC50-CRSNR/L35060-12-7CD	IRSN 42	1766	2713	1086	9414	5003
	PSC63-CRSNR/L45065-12-4CD	IRSN 44	1766	2713	1086	9414	5003
	PSC63-CRSNR/L45065-12-7CD	IRSN 42	1766	2713	1086	9414	5003

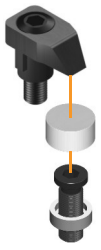


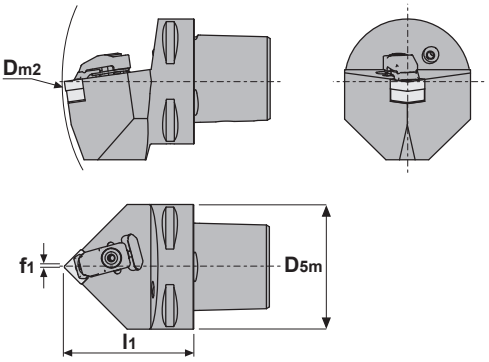
Ref.	RNGN	s	d
	RNGN 1204..	4,76	12,70
	RNGN 1207..	7,94	12,70

Negative round insert.

RNGN			
			

CD





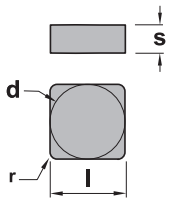
CSDN 45º

Characteristics:
PSC with internal coolant.

		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CSDNN00050-12-4CD	40	140	0.3	50.0	-6º	-6º	3.9	SNGN 1204..
	PSC40-CSDNN00050-12-7CD	40	140	0.3	50.0	-6º	-6º	3.9	SNGN 1207..
	PSC50-CSDNN00060-12-4CD	50	165	0.3	60.0	-6º	-6º	3.9	SNGN 1204..
	PSC50-CSDNN00060-12-7CD	50	165	0.3	60.0	-6º	-6º	3.9	SNGN 1207..
	PSC63-CSDNN00065-12-4CD	63	190	0.3	65.0	-6º	-6º	3.9	SNGN 1204..
	PSC63-CSDNN00065-12-7CD	63	190	0.3	65.0	-6º	-6º	3.9	SNGN 1207..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

							
Ref.	PSC40-CSDNN00050-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC40-CSDNN00050-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC50-CSDNN00060-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC50-CSDNN00060-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC63-CSDNN00065-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC63-CSDNN00065-12-7CD	ISSN-424	1766	9414	2713	1086	5003

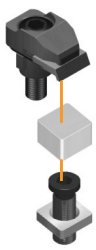


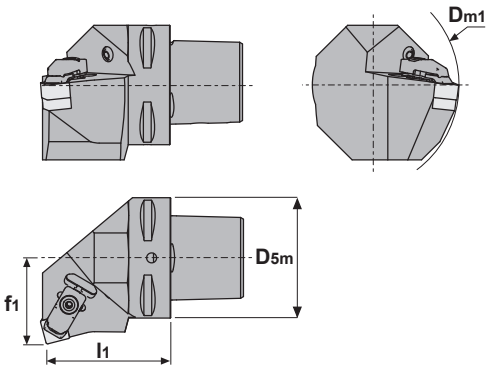
	SNGN	l	s	d
Ref.	SNGN 1204..	12,70	4,76	12,70
	SNGN 1207..	12,70	7,94	12,70

Negative square inserts.

SNGN			
			

CD





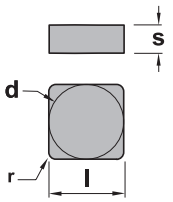
CSKN 75°

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CSKNR/L27050-12-4CD	40	110	27.0	50.0	-6°	-6°	3.9	SNGN 1204..
	PSC40-CSKNR/L27050-12-7CD	40	110	27.0	50.0	-6°	-6°	3.9	SNGN 1207..
	PSC50-CSKNR/L35060-12-4CD	50	110	35.0	60.0	-6°	-6°	3.9	SNGN 1204..
	PSC50-CSKNR/L35060-12-7CD	50	110	35.0	60.0	-6°	-6°	3.9	SNGN 1207..
	PSC63-CSKNR/L45065-12-4CD	63	110	45.0	65.0	-6°	-6°	3.9	SNGN 1204..
	PSC63-CSKNR/L45065-12-7CD	63	110	45.0	65.0	-6°	-6°	3.9	SNGN 1207..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CSKNR/L27050-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC40-CSKNR/L27050-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC50-CSKNR/L35060-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC50-CSKNR/L35060-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC63-CSKNR/L45065-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC63-CSKNR/L45065-12-7CD	ISSN-424	1766	9414	2713	1086	5003

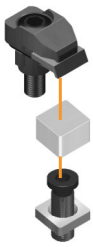


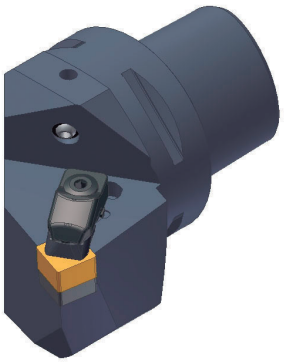
Ref.	SNGN	l	s	d
	SNGN 1204..	12,70	4,76	12,70
	SNGN 1207..	12,70	7,94	12,70

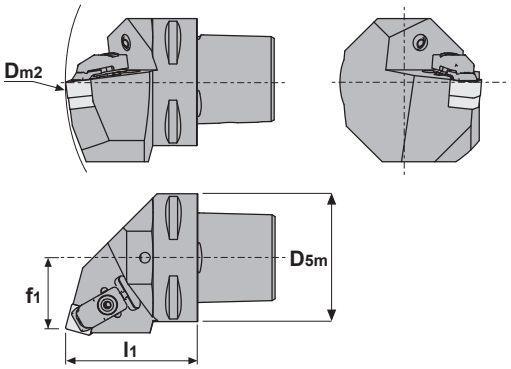
Negative square inserts.

SNGN			
			

CD







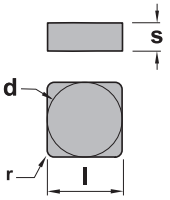
CSRN 75º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CSRNR/L22050-12-4CD	40	140	22.0	50.0	-6º	-6º	3.9	SNGN 1204..
	PSC40-CSRNR/L22050-12-7CD	40	140	22.0	50.0	-6º	-6º	3.9	SNGN 1207..
	PSC50-CSRNR/L27060-12-4CD	50	165	27.0	60.0	-6º	-6º	3.9	SNGN 1204..
	PSC50-CSRNR/L27060-12-7CD	50	165	27.0	60.0	-6º	-6º	3.9	SNGN 1207..
	PSC63-CSRNR/L35065-12-4CD	63	190	35.0	65.0	-6º	-6º	3.9	SNGN 1204..
	PSC63-CSRNR/L35065-12-7CD	63	190	35.0	65.0	-6º	-6º	3.9	SNGN 1207..
	PSC63-CSRNR/L35065-19CD	63	190	35.0	65.0	-6º	-6º	6.4	SNGN 1907..
	PSC80-CSRNR/L45080-19CD	80	250	45.0	80.0	-6º	-6º	6.4	SNGN 1907..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CSRNR/L22050-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC40-CSRNR/L22050-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC50-CSRNR/L27060-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC50-CSRNR/L27060-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC63-CSRNR/L35065-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC63-CSRNR/L35065-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC63-CSRNR/L35065-19CD	ISSN-633	1770	9414	2713	1086	5003
	PSC80-CSRNR/L45080-19CD	ISSN-633	1770	9414	2713	1086	5003

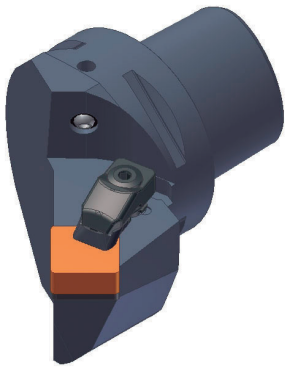


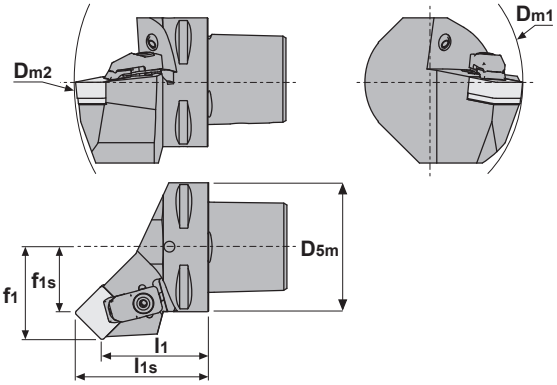
Ref.	SNGN	l	s	d
	SNGN 1204..	12,70	4,76	12,70
	SNGN 1207..	12,70	7,94	12,70
	SNGN 1907..	19,05	7,94	19,05

Negative square inserts.

SNGN			
			

CD





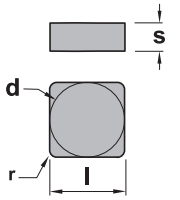
CSSN 45º

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	f1s	l1	l1s	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CSSNR/L27042-12-4CD	40	110	140	27.0	18.7	42.0	50.3	-8º	-0º	3.9	SNGN 1204..
	PSC40-CSSNR/L27042-12-7CD	40	110	140	27.0	18.7	42.0	50.3	-8º	-0º	3.9	SNGN 1207..
	PSC50-CSSNR/L35052-12-4CD	50	110	165	35.0	26.7	52.0	60.3	-8º	-0º	3.9	SNGN 1204..
	PSC50-CSSNR/L35052-12-7CD	50	110	165	35.0	26.7	52.0	60.3	-8º	-0º	3.9	SNGN 1207..
	PSC63-CSSNR/L45056-12-4CD	63	110	190	45.0	36.7	56.0	64.3	-8º	-0º	3.9	SNGN 1204..
	PSC63-CSSNR/L45056-12-7CD	63	110	190	45.0	36.7	56.0	64.3	-8º	-0º	3.9	SNGN 1207..
	PSC63-CSSNR/L45052-19CD	63	125	190	45.0	32.5	52.0	64.5	-8º	-0º	6.4	SNGN 1907..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC40-CSSNR/L27042-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC40-CSSNR/L27042-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC50-CSSNR/L35052-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC50-CSSNR/L35052-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC63-CSSNR/L45056-12-4CD	ISSN-442	1766	9414	2713	1086	5003
	PSC63-CSSNR/L45056-12-7CD	ISSN-424	1766	9414	2713	1086	5003
	PSC63-CSSNR/L45052-19CD	ISSN-633	1770	9414	2713	1086	5003

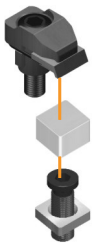


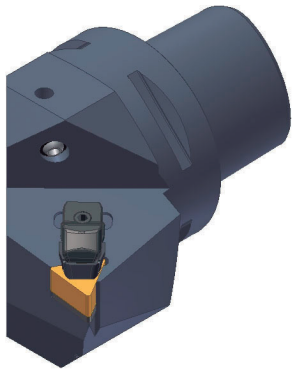
	SNGN	l	s	d
Ref.	SNGN 1204..	12,70	4,76	12,70
	SNGN 1207..	12,70	7,94	12,70
	SNGN 1907..	19,05	7,94	19,05

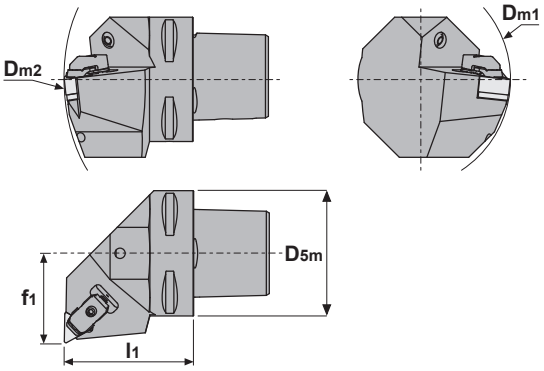
Negative square inserts.

SNGN			
			

CD







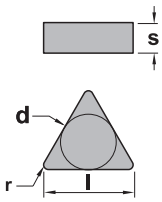
CTFN 90º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CTFNR/L27050-16-4CD	40	110	140	27.0	50.0	-6º	-6º	1.7	TNGN 1604..
	PSC40-CTFNR/L27050-16-7CD	40	110	140	27.0	50.0	-6º	-6º	1.7	TNGN 1607..
	PSC50-CTFNR/L35060-16-4CD	50	110	165	35.0	60.0	-6º	-6º	1.7	TNGN 1604..
	PSC50-CTFNR/L35060-16-7CD	50	110	165	35.0	60.0	-6º	-6º	1.7	TNGN 1607..
	PSC63-CTFNR/L45065-16-4CD	63	110	190	45.0	65.0	-6º	-6º	1.7	TNGN 1604..
	PSC63-CTFNR/L45065-16-7CD	63	110	190	45.0	65.0	-6º	-6º	1.7	TNGN 1607..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CTFNR/L27050-16-4CD	ITSN-342	1764	9416	2718	1085	5025
	PSC40-CTFNR/L27050-16-7CD	ITSN-322	1764	9416	2718	1085	5025
	PSC50-CTFNR/L35060-16-4CD	ITSN-342	1764	9416	2718	1085	5025
	PSC50-CTFNR/L35060-16-7CD	ITSN-322	1764	9416	2718	1085	5025
	PSC63-CTFNR/L45065-16-4CD	ITSN-342	1764	9416	2718	1085	5025
	PSC63-CTFNR/L45065-16-7CD	ITSN-322	1764	9416	2718	1085	5025

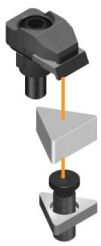


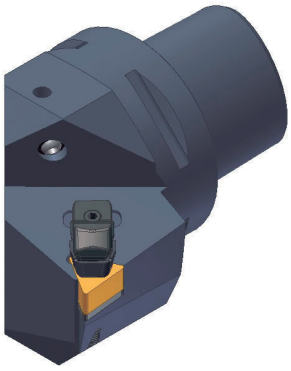
Ref.	TNGN	l	s	d
	TNGN 1604..	16,50	4,76	9,52
	TNGN 1607..	16,50	7,94	9,52

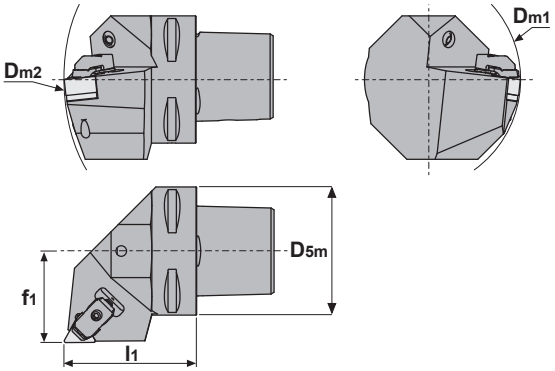
Negative triangular inserts.

TNGN			
			

CD







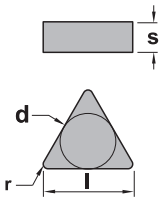
CTGN 90°

Characteristics:
PSC with internal coolant.

		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
Ref.	PSC40-CTGNR/L27050-16-4CD	40	110	140	27.0	50.0	-6°	-6°	1.7	TNGN 1604..
	PSC40-CTGNR/L27050-16-7CD	40	110	140	27.0	50.0	-6°	-6°	1.7	TNGN 1607..
	PSC50-CTGNR/L35060-16-4CD	50	110	165	35.0	60.0	-6°	-6°	1.7	TNGN 1604..
	PSC50-CTGNR/L35060-16-7CD	50	110	165	35.0	60.0	-6°	-6°	1.7	TNGN 1607..
	PSC63-CTGNR/L45065-16-4CD	63	110	190	45.0	65.0	-6°	-6°	1.7	TNGN 1604..
	PSC63-CTGNR/L45065-16-7CD	63	110	190	45.0	65.0	-6°	-6°	1.7	TNGN 1607..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.	PSC40-CTGNR/L27050-16-4CD	ITSN-342	1764	9416	2718	1085	5025
	PSC40-CTGNR/L27050-16-7CD	ITSN-322	1764	9416	2718	1085	5025
	PSC50-CTGNR/L35060-16-4CD	ITSN-342	1764	9416	2718	1085	5025
	PSC50-CTGNR/L35060-16-7CD	ITSN-322	1764	9416	2718	1085	5025
	PSC63-CTGNR/L45065-16-4CD	ITSN-342	1764	9416	2718	1085	5025
	PSC63-CTGNR/L45065-16-7CD	ITSN-322	1764	9416	2718	1085	5025

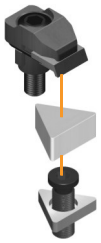


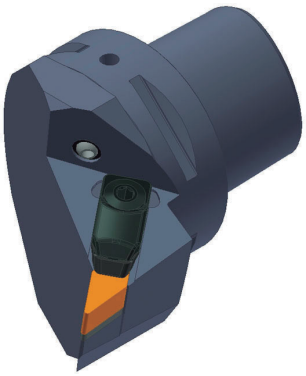
	TNGN	l	s	d
Ref.	TNGN 1604..	16,50	4,76	9,52
	TNGN 1607..	16,50	7,94	9,52

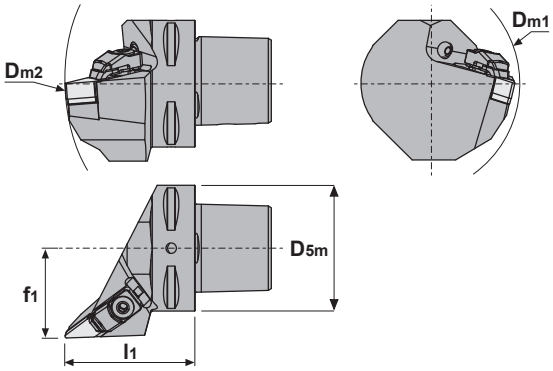
Negative triangular inserts.

TNGN			
			

CD







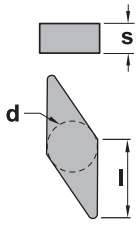
CVJN 93º

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm1 min.	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CVJNR/L27062-16-4CD	40	60	152	27.0	62.0	-4º	-13º	3.0	VNGN 1604..
	PSC40-CVJNR/L27062-16-7CD	40	60	152	27.0	62.0	-4º	-13º	3.0	VNGN 1607..
	PSC50-CVJNR/L35065-16-4CD	50	65	170	35.0	65.0	-4º	-13º	3.0	VNGN 1604..
	PSC50-CVJNR/L35065-16-7CD	50	65	170	35.0	65.0	-4º	-13º	3.0	VNGN 1607..
	PSC63-CVJNR/L45065-16-4CD	63	81	190	45.0	65.0	-4º	-13º	3.0	VNGN 1604..
	PSC63-CVJNR/L45065-16-7CD	63	81	190	45.0	65.0	-4º	-13º	3.0	VNGN 1607..
	PSC80-CVJNR/L55080-16-4CD	80	100	250	55.0	80.0	-4º	-13º	3.0	VNGN 1604..
	PSC80-CVJNR/L55080-16-7CD	80	100	250	55.0	80.0	-4º	-13º	3.0	VNGN 1607..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CVJNR/L27062-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC40-CVJNR/L27062-16-7CD	IVSN-322	1764	9416	2718	1085	5025
	PSC50-CVJNR/L35065-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC50-CVJNR/L35065-16-7CD	IVSN-322	1764	9416	2718	1085	5025
	PSC63-CVJNR/L45065-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC63-CVJNR/L45065-16-7CD	IVSN-322	1764	9416	2718	1085	5025
	PSC80-CVJNR/L55080-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC80-CVJNR/L55080-16-7CD	IVSN-322	1764	9416	2718	1085	5025

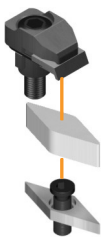


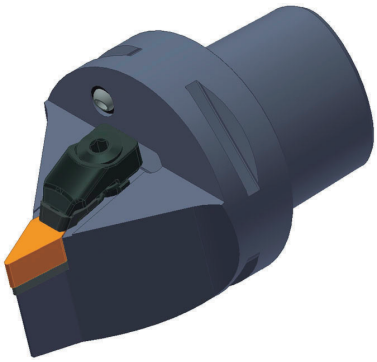
Ref.	VNGN	l	s	d
	VNGN 1604..	16,50	4,76	9,52
	VNGN 1607..	16,50	7,94	9,52

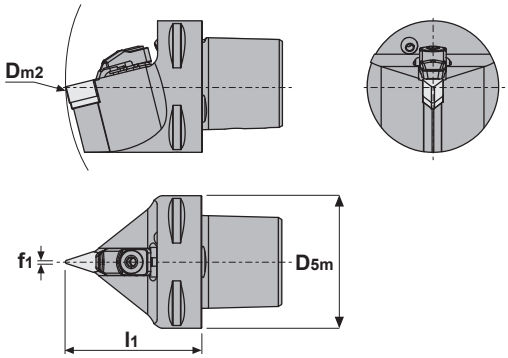
Negative 35º rhombic inserts.

VNGN			
			

CD







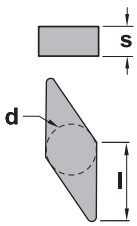
CVVN 72º 30'

Characteristics:
PSC with internal coolant.

Ref.		D5m	Dm2 min.	f1	l1	y1)	λs2)	Nm3)	Insert
	PSC40-CVVNN00062-16-4CD	40	152	0.6	62.0	-4º	-13º	3.0	VNGN 1604..
	PSC40-CVVNN00062-16-7CD	40	152	0.6	62.0	-4º	-13º	3.0	VNGN 1607..
	PSC50-CVVNN00065-16-4CD	50	170	0.6	65.0	-4º	-13º	3.0	VNGN 1604..
	PSC50-CVVNN00065-16-7CD	50	170	0.6	65.0	-4º	-13º	3.0	VNGN 1607..
	PSC63-CVVNN00065-16-4CD	63	190	0.6	65.0	-4º	-13º	3.0	VNGN 1604..
	PSC63-CVVNN00065-16-7CD	63	190	0.6	65.0	-4º	-13º	3.0	VNGN 1607..
	PSC80-CVVNN00080-16-4CD	80	250	0.6	80.0	-4º	-13º	3.0	VNGN 1604..
	PSC80-CVVNN00080-16-7CD	80	250	0.6	80.0	-4º	-13º	3.0	VNGN 1607..

1) y= Rake angle (valid a smooth insert).
2) λs= Angle of inclination.
3) Nm= Insert moment of force.

Ref.							
	PSC40-CVVNN00062-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC40-CVVNN00062-16-7CD	IVSN-322	1764	9416	2718	1085	5025
	PSC50-CVVNN00065-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC50-CVVNN00065-16-7CD	IVSN-322	1764	9416	2718	1085	5025
	PSC63-CVVNN00065-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC63-CVVNN00065-16-7CD	IVSN-322	1764	9416	2718	1085	5025
	PSC80-CVVNN00080-16-4CD	IVSN-342	1764	9416	2718	1085	5025
	PSC80-CVVNN00080-16-7CD	IVSN-322	1764	9416	2718	1085	5025



Ref.	VNGN	l	s	d
	VNGN 1604..	16,50	4,76	9,52
	VNGN 1607..	16,50	7,94	9,52

Negative 35º rhombic inserts.

VNGN			
			

CD

ARBORS AND ADAPTORS

CAP

DRILLS

TOOLHOLDERS
Dimple clamp D

TOOLHOLDERS
Wedge clamp / Double lock M

TOOLHOLDERS
Lever lock P

TOOLHOLDERS
Center screw S

BORING BARS
Dimple clamp D

BORING BARS
Wedge clamp / Double lock M

BORING BARS
Lever lock P

BORING BARS
Center screw S

THREADING

PARTING AND GROOVING

CERAMIC TOOLS

Conditions of sale:
All sales are made in accordance with our standard conditions of sale, current at the time orders are accepted. Specifications and prices subject to change without notice.

Product warranty:
Mexin will repair or replace any of its products, which in its judgement, are found to be defective in material of worTSanship. All claims must be made in writing within thirty days after receipt of product. No claims for labor or damages will be allowed. In no event shall Mexin be liable for consequential or special damages of any kind.

Special tool quotation:
Orders for special tools must be confirmed in writing before manufacturing can begin. Special items and non-stock standard items cannot be cancelled or returned for exchange or credit.

Delivery terms:
Arenys de Munt. Full transportation costs will be charged to the buyer. Specify shipment to be made by other than regular means of transportation.

Claims:
Claims for loss in transit must be made against the transportation company. The foregoing shall constitute the sole and exclusive remedies of the customer and are in lieu of all other warranties, expressed, implied or statutory, including but not limited to any implied warranty of merchantability or fitness.

Returns:
No merchandise will be accepted for return after 30 days of shipment. All returns must be pre-paid and must be accompanied by our Return Goods Authorization (RGA) number. This number must appear on the outside of the box. Merchandise must be received in good condition or will be refused.

This catalogue contains information and specifications concerning cutting tools sold by Mexin. Although some of the cutting tools made from carbides are very tough and resist breakage, most are brittle and special safety precautions are required when using them.
Small fragment and chips may be thrown from a cutting tool when a fracture occurs. Since these fragments or chips are thrown at very high speeds and are very hot, contact with the skin or eyes could cause severe injury. Also, the grinding of these cutting tools will produce fine carbide and cobalt or nickel dust which may be harmful to the lungs.
Listed below are some suggestions on how to minimize the potential for injury while using cutting tools.
For more information about the product hazards and safety precautions that must be taken to minimize the possibility of injury while using cutting tools, please call your Mexin Sales Engineer. Mexin has no control over use of these cutting tools. The user must determine the suitability of these tools in its particular application.

WARNING: Very hot chip fragments may be thrown from cutting tools at very high speeds. These chips can cause severe burns, cuts or punctures to the skin, or damage to the eyes. The following are some of the safety precautions that must be followed by operators and observers while using cutting tools:

1. Make sure that the insert size and shape are adequate for use to which it is being put.
2. Chip control is necessary to prevent a continuous chip catching in the workpiece.
3. Chips are very hot and have sharp edges and should not be moved by hand.
4. Turn off the machine whenever chips are removed or when the cutting tools are changed.
5. Do not use air hoses to blow chips away from the machine.
6. To prevent tool breakage use the correct size toolholder.
7. Make sure that the overhang on the toolholder is as short as possible. Too much overhang can result in chatter and tool break ge.
8. To prevent the workpiece from coming loose during use, be sure the workpiece is tight and secure in its holder.
9. Overloading of tungsten carbide cutting tools may cause fractures of these tools.
10. A slug may be ejected at high speeds during drilling.

To protect the operator and observer from possible flying objects which could result in severe injury, the following protective devices should be worn or used while using cutting tools:

1. Wear hard hats.
2. Wear safety glasses with side shields.
3. Wear closed shoes with steel toes.
4. Keep protective enclosure on machine in place during operation.

WARNING: Grinding or finishing carbide produces fine carbide and cobalt or nickel dust. This dust may cause injury to the lungs. Operators and observers must take the following safety precautions to minimize the possibility of such injury:

1. Use with adequate ventilation.
2. Maintain the dust or mist level below recommended levels.
3. Avoid breathing dust or mist. If not possible, wear appropiate respirators, particularly when grinding tungsten carbide.
4. Minimize prolonged skin contact.
5. Wash hands thoroughly after handling.

WARNING: Use of cutting fluids and work materials create hazards. Be careful at all times.

1. Keep the cutting fluid clean so no particles can be carried back across the workpiece and possibly scratch it.
2. Cutting fluids may catch on fire when exposed to high temperatures generated during cutting.
3. Work materials such as aluminium, magnesium, uranium and titanium are flammable and could catch on fire.
4. Cutting fluids should be treated or replaced to reduce bacterial levels which may cause illness.

-WARNING-

Speeds, Feeds and Grade information within this catalogue are for reference only. If the operator does not feel safe using our speeds, feeds and grades, then the operator should use what is comfortable to him or her. Mexin is not responsible for any damage or injury that occurs using the speeds, feeds and grades information within catalogue.

Conditions, terms, and prices are subject to change without notice. Any typographical or other error in this catalogue is subject to correction.


PSC ISO 26623-1