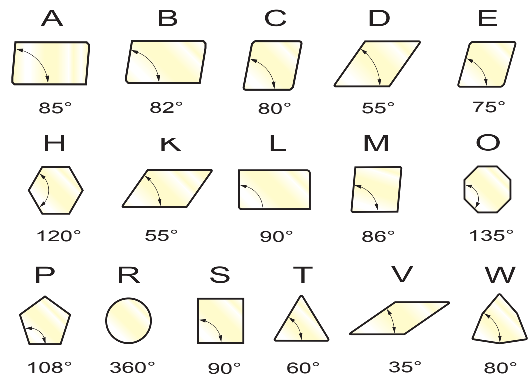
Turning Inserts

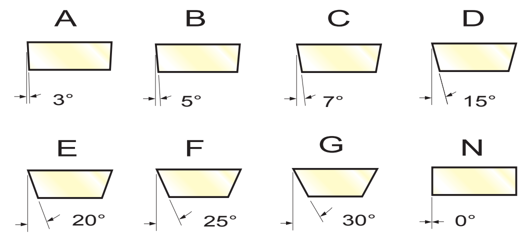
ISO Insert Designation

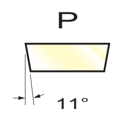
S	N	M	G
1	2	3	4

1 Shape



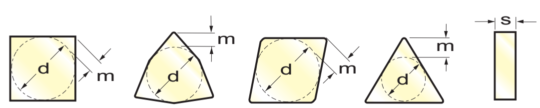
2 Clearance





Other normal clearances requiring **SPECIAL** specification Symbol O.

3 Tolerance



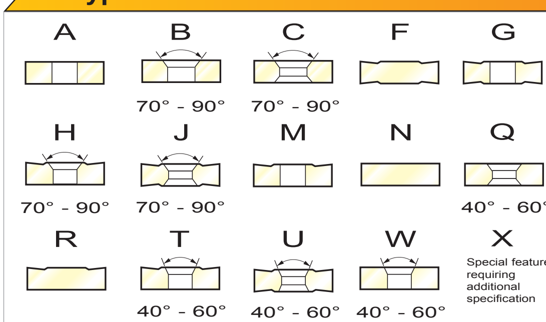
Class		d	m	s
A	mm	±0,025	±0,005	±0,025
C	mm	±0,025	±0,013	±0,025
E	mm	±0,025	±0,025	±0,025
F	mm	±0,013	±0,005	±0,025
G	mm	±0,025	±0,025	±0,13
H	mm	±0,013	±0,013	±0,025
J	mm	*	±0,005	±0,025
K	mm	*	±0,013	±0,025
L	mm	*	±0,025	±0,025
M	mm	*	*	±0,127
U	mm	*	*	±0,127
N	mm	*	*	±0,025

* See tables below.

Valid for shapes: C, E, H, M, O, P, S, T, R, W				
IC	d		m	
	J, K, L, M, N	U	M, N	U
4,76	±0,05	±0,08	±0,08	±0,13
5,56	±0,05	±0,08	±0,08	±0,13
6	±0,05	±0,08	±0,08	±0,13
6,35	±0,05	±0,08	±0,08	±0,13
7,94	±0,05	±0,08	±0,08	±0,13
8	±0,05	±0,08	±0,08	±0,13
9,525	±0,05	±0,08	±0,08	±0,13
10	±0,05	±0,08	±0,08	±0,13
12	±0,08	±0,13	±0,13	±0,2
12,7	±0,08	±0,13	±0,13	±0,2
15,875	±0,1	±0,18	±0,15	±0,27
16	±0,1	±0,18	±0,15	±0,27
19,05	±0,1	±0,18	±0,15	±0,27
20	±0,1	±0,18	±0,15	±0,27
25	±0,13	±0,25	±0,18	±0,38
25,4	±0,13	±0,25	±0,18	±0,38
31,75	±0,15	±0,25	±0,2	±0,38
32	±0,15	±0,25	±0,2	±0,38

Valid for shape D only (**M** & **N** Tolerance)		
IC	d	m
5,56	±0,05	±0,11
6,35	±0,05	±0,11
7,94	±0,05	±0,11
9,525	±0,05	±0,11
12,7	±0,08	±0,15
15,875	±0,10	±0,18
19,05	±0,10	±0,18

4 Type

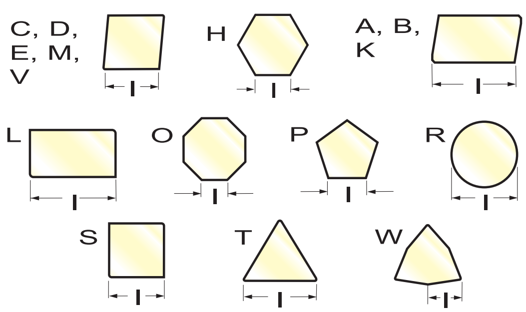


Stellram®
Cutting Tool Systems

12	04	08	E
5	6	7	8

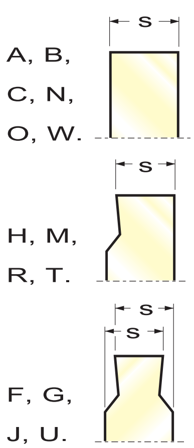
5 Size

Integers to be preceded by a **0** (zero).
Disregard any decimals. e.g. 9.525 = **09**



6 Thickness

Integers to be preceded by a 0 (zero) or the letter T.
Disregard any decimals.



Examples:

01	=	1,588
T1	=	1,984
02	=	2,381
03	=	3,175
T3	=	3,969
04	=	4,763
05	=	5,556
06	=	6,350
07	=	7,938
09	=	9,525
11	=	11,113
12	=	12,700
14	=	14,288
15	=	15,875

7 Corner

Inserts with wiper edges

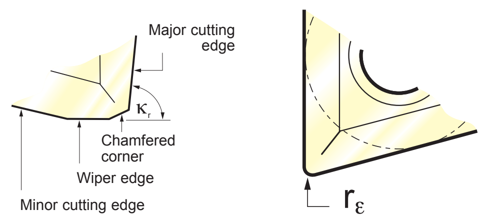
Cutting edge Angle (κ_r) 1st letter:			Wiper edge normal Clearance 2nd letter: (α_n)		
A	=	45°	**A**	=	3°
D	=	60°	**B**	=	5°
E	=	75°	**C**	=	7°
F	=	85°	**D**	=	15°
G	=	87°	**E**	=	20°
P	=	90°	**F**	=	25°
Z	=	ANY OTHER	**G**	=	30°
			N	=	0°
			P	=	11°
			Z	=	ANY OTHER

7 Corner *continued*

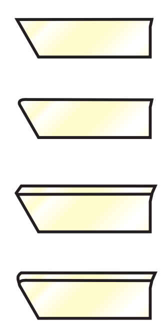
Inserts with rounded corners. The corner radius is indicated in 0.1mm. Integers to be preceded by a 0 (zero). If the corner is not rounded, use the symbol of designation 00 (zero zero).

Examples:

00	=	SHARP CORNER	**24**	=	2,4
01	=	0,1	**28**	=	2,8
02	=	0,2	**32**	=	3,2
04	=	0,4	**40**	=	4,0
08	=	0,8	**48**	=	4,8
12	=	1,2	**56**	=	5,6
16	=	1,6	**64**	=	6,4
20	=	2,0	**X**	=	ANY OTHER



8 Edge Condition



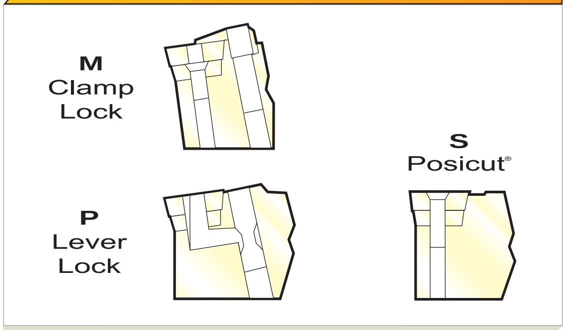
	Symbol
Sharp	**F**
Honed (Rounded)	**E**
Chamfered (Negative Land)	**T**
Chamfered + Honed	**S**

External Toolholders

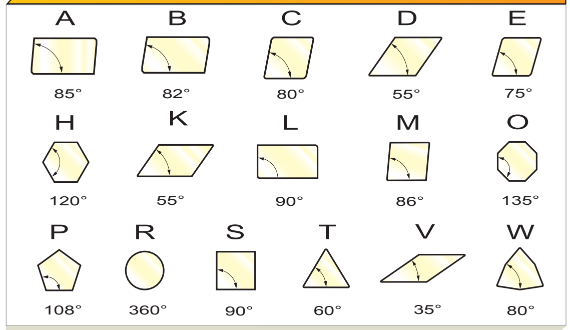
ISO Designation (ISO 5608)

P	D	J	N	R
1	2	3	4	5

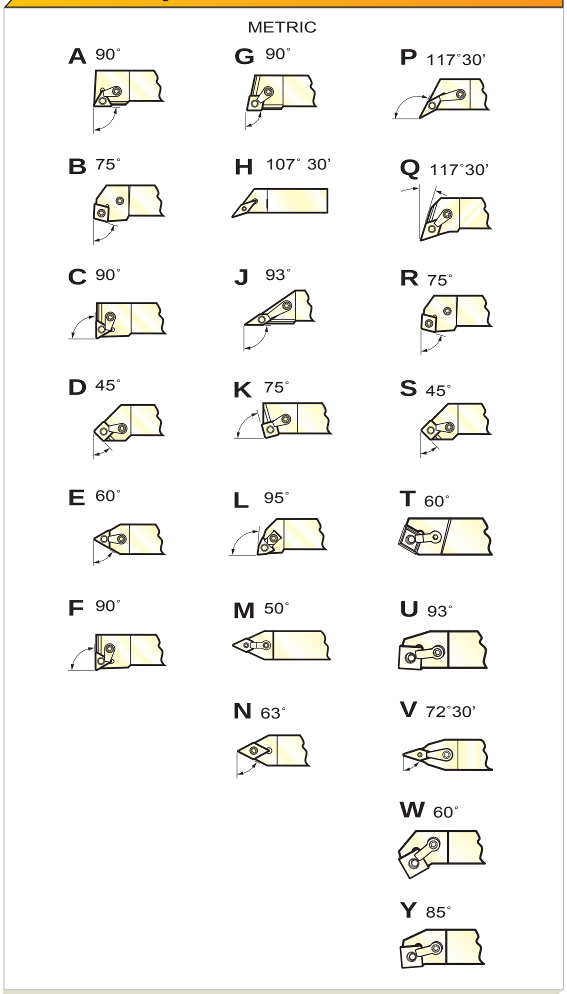
1 Assembly



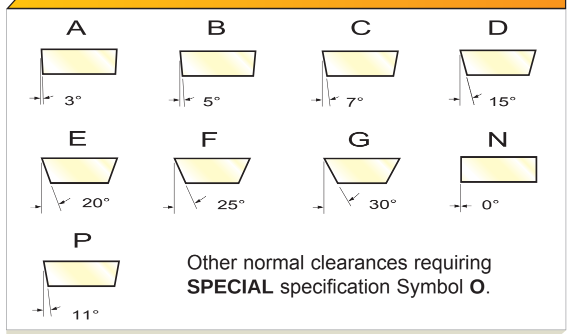
2 Insert Shape



3 Tool Style

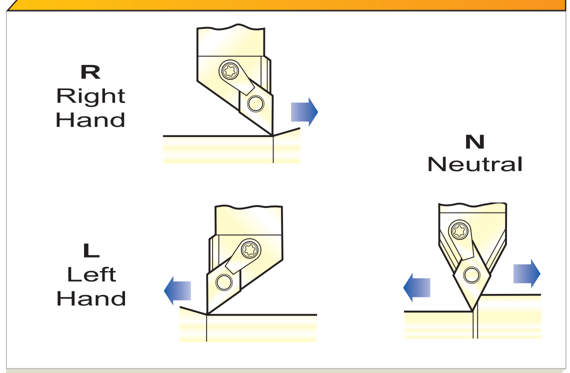


4 Clearance



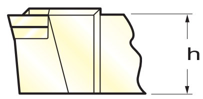
Other normal clearances requiring **SPECIAL** specification Symbol **O**.

5 Hand



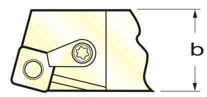
20	20	K	12	-	-
6	7	8	9	10	11

6 Tool Height



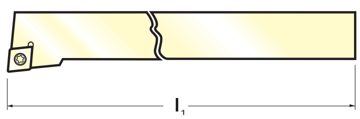
06	= 6
08	= 8
10	= 10
12	= 12
14	= 14
16	= 16
20	= 20
25	= 25
32	= 32
40	= 40
50	= 50

7 Tool Width



06	= 6
08	= 8
10	= 10
12	= 12
14	= 14
16	= 16
20	= 20
25	= 25
32	= 32
40	= 40
50	= 50

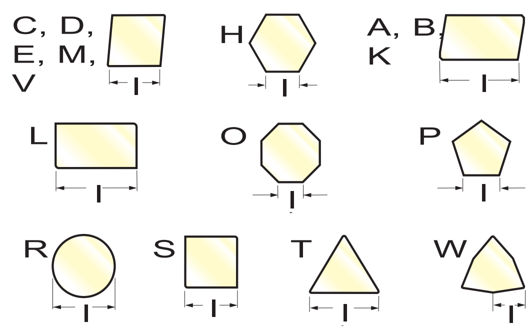
8 Tool Length



A	= 32
B	= 40
C	= 50
D	= 60
E	= 70
F	= 80
G	= 90
H	= 100
J	= 110
K	= 125
L	= 140
M	= 150
N	= 160
P	= 170
Q	= 180
R	= 200
S	= 250
T	= 300
U	= 350
V	= 400
W	= 450
Y	= 500
X	= SPECIAL

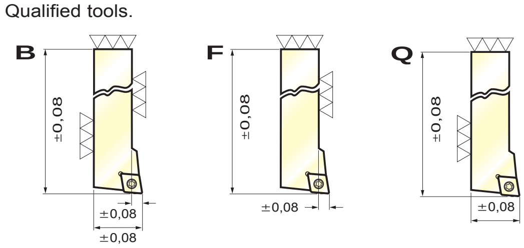
9 Insert Size

Integers to be preceded by a **0** (zero).
Disregard any decimals. e.g. 9,525 **= 09**



10 Optional

Qualified tools.



11 Optional

Supplementary optional symbol (numbers or letters) added by the manufacturer.

Must be separated from the standardised designation by a dash (-).

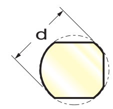
Stellram®
Cutting Tool Systems

A	25	R	-	P	C
1	2	3		4	5

1 Bar Type

- **A** Steel shank and coolant hole.
- **B** Steel shank and anti-vibration device.
- **C** Cemented carbide shank with steel head.
- **D** Steel shank, anti-vibration device and coolant hole.
- **E** Cemented carbide shank with steel head and coolant hole.
- **F** Cemented carbide shank with steel head and anti-vibration device.
- **G** Cemented carbide shank with steel head, coolant hole and anti-vibration device.
- **H** Heavy metal shank.
- **J** Heavy metal shank and coolant hole.
- **S** Steel shank.

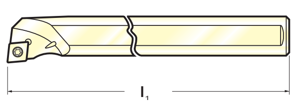
2 Bar Ø



METRIC

06	=	6
08	=	8
10	=	10
12	=	12
16	=	16
20	=	20
25	=	25
32	=	32
40	=	40
50	=	50

3 Bar Length

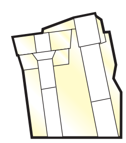


METRIC

F	=	80
H	=	100
K	=	125
M	=	150
P	=	170
Q	=	180
R	=	200
S	=	250
T	=	300
U	=	350
V	=	400
W	=	450
Y	=	500
X	=	SPECIAL

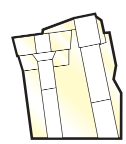
4 Assembly

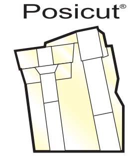
M
Clamp
Lock



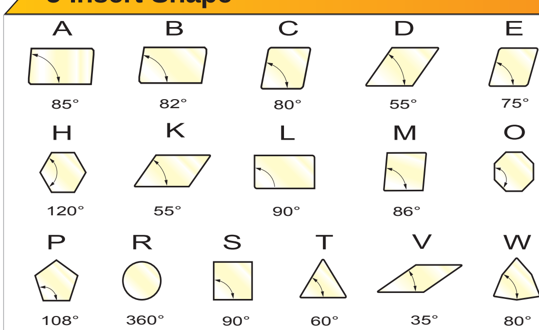
S
Posicut®

P
Lever
Lock





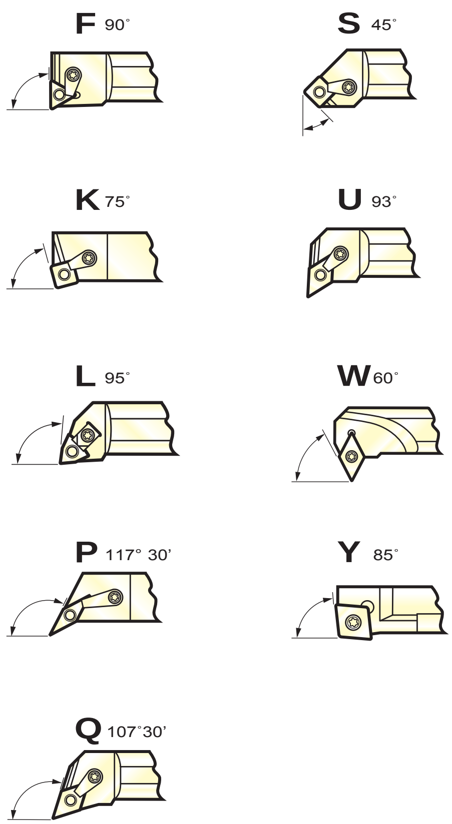
5 Insert Shape



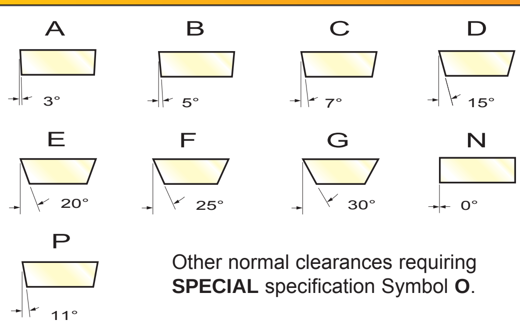
Stellram®
Cutting Tool Systems

L	N	R	12	-
6	7	8	9	10

6 Tool Style

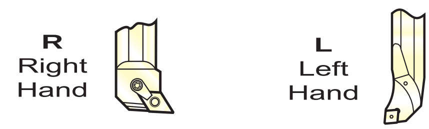


7 Clearance



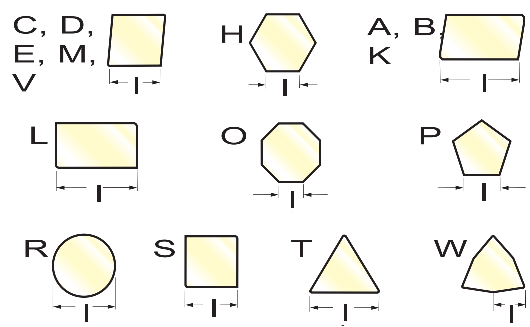
Other normal clearances requiring **SPECIAL** specification Symbol **O**.

8 Hand



9 Insert Size

Integers to be preceded by a **0** (zero).
Disregard any decimals. e.g. 9,525 = **09**

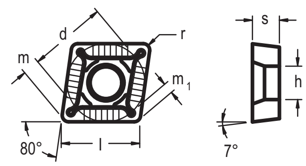


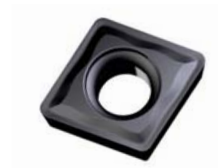
10 Optional

Supplementary optional symbol (numbers or letters) added by the manufacturer.

Must be separated from the standardised designation by a dash (-).

CCGT
-62 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
031243	CCGT060200E-62	SP4019	6,35	6,45	2,38	0,00	2,80		Finishing
030568	CCGT060201E-62	SP4019	6,35	6,45	2,38	0,10	2,80		Finishing
030569	CCGT060202E-62	SP4019	6,35	6,45	2,38	0,20	2,80		Finishing
030570	CCGT060204E-62	SP4019	6,35	6,45	2,38	0,40	2,80		Finishing
030571	CCGT09T300E-62	SP4019	9,52	9,57	3,97	0,00	4,40		Finishing
030572	CCGT09T301E-62	SP4019	9,52	9,57	3,97	0,10	4,40		Finishing
030573	CCGT09T302E-62	SP4019	9,52	9,57	3,97	0,20	4,40		Finishing
030574	CCGT09T304E-62	SP4019	9,52	9,57	3,97	0,40	4,40		Finishing
030575	CCGT09T308E-62	SP4019	9,52	9,57	3,97	0,80	4,40		Finishing

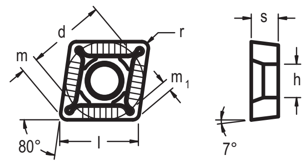
For Toolholders External: see page 46 | Internal: see page 47

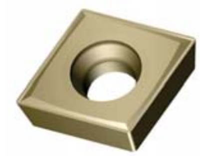
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CCMT
-73 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032365	CCMT060202E-73	SP4019	6,35	6,45	2,38	0,20	2,80		Medium
032366	CCMT060204E-73	SP4019	6,35	6,45	2,38	0,40	2,80		Medium
032367	CCMT060204E-73	NL300	6,35	6,45	2,38	0,40	2,80		Medium
032368	CCMT060208E-73	SP4019	6,35	6,45	2,38	0,80	2,80		Medium
032369	CCMT060208E-73	NL300	6,35	6,45	2,38	0,80	2,80		Medium
032370	CCMT09T304E-73	SP4019	9,52	9,57	3,97	0,40	4,40		Medium
032371	CCMT09T304E-73	NL300	9,52	9,57	3,97	0,40	4,40		Medium
032372	CCMT09T304E-73	NL920	9,52	9,57	3,97	0,40	4,40		Medium
032373	CCMT09T308E-73	SP4019	9,52	9,57	3,97	0,80	4,40		Medium
032374	CCMT09T308E-73	NL300	9,52	9,57	3,97	0,80	4,40		Medium
032375	CCMT09T308E-73	NL920	9,52	9,57	3,97	0,80	4,40		Medium
032376	CCMT120404E-73	SP4019	12,70	12,90	2,38	0,40	5,16		Medium
032377	CCMT120404E-73	NL300	12,70	12,90	2,38	0,40	5,16		Medium
032378	CCMT120404E-73	NL920	12,70	12,90	2,38	0,40	5,16		Medium
032379	CCMT120408E-73	SP4019	12,70	12,90	4,76	0,80	5,16		Medium
032380	CCMT120408E-73	NL300	12,70	12,90	4,76	0,80	5,16		Medium
032381	CCMT120408E-73	NL920	12,70	12,90	4,76	0,80	5,16		Medium
032382	CCMT120412E-73	SP4019	12,70	12,90	4,76	1,20	5,16		Medium
032383	CCMT120412E-73	NL300	12,70	12,90	4,76	1,20	5,16		Medium
032384	CCMT120412E-73	NL920	12,70	12,90	4,76	1,20	5,16		Medium

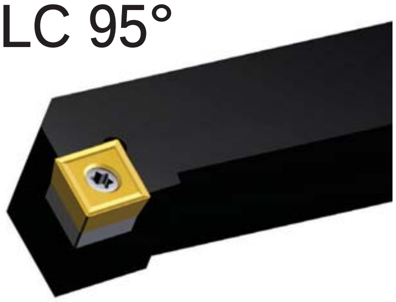
For Toolholders External: see page 46 | Internal: see page 47

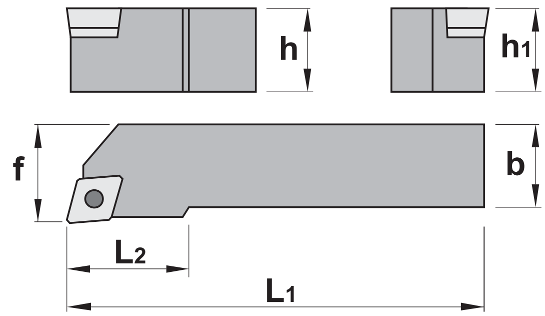
Material Guide – Key to Recommended Inserts

Material Designation

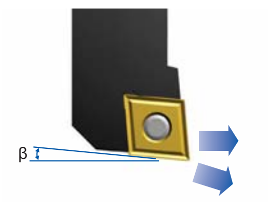
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

SCLC 95°





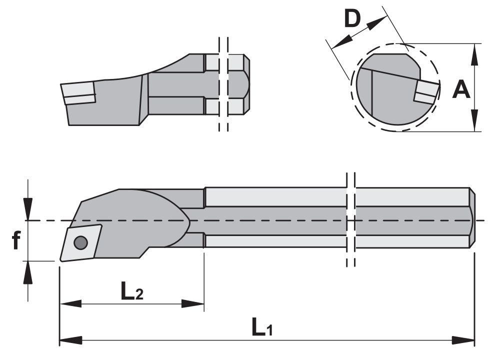
EDP	ISO Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
SCLC LH & RH External Square Shank Toolholders								
028507	SCLCL 1010 E06	LH	CC_0602	10	10	12	70	10
028513	SCLCR 1010 E06	RH	CC_0602	10	10	12	70	10
028508	SCLCL 1212 F09	LH	CC_09T3	12	12	16	80	16
028509	SCLCL 1616 H09	LH	CC_09T3	16	16	20	100	18
028510	SCLCL 2020 K09	LH	CC_09T3	20	20	25	125	22
028514	SCLCR 1212 F09	RH	CC_09T3	12	12	16	80	16
028515	SCLCR 1616 H09	RH	CC_09T3	16	16	20	100	18
028516	SCLCR 2020 K09	RH	CC_09T3	20	20	25	125	22
028512	SCLCL 2525 M12	LH	CC_1204	25	25	32	150	25
028518	SCLCR 2525 M12	RH	CC_1204	25	25	32	150	25



S Style External Toolholder
for Positive Inserts:
CC_06, CC_09, and CC_12
Application: Face and Turn O/D
Approach 95°
Axial 0°
Radial 0°
Profiling Clearance Angle β = 0°
RH Holder Shown

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SCLCL/R Spare Parts								
SCLCL/R 1010 E06	015061	F2507T	018488	T7	-	-	-	-
SCLCL/R 1212 F09 SCLCL/R 1616 H09 SCLCL/R 2020 K09	015262	D4010T	015240	T15	-	-	-	-
SCLCL/R 2525 M12	034500	1540	034577	K5517	028571	SA3614	028739	SAS1760

A.. SCLC 95°



A.. SCLC LH & RH Internal Boring Bars

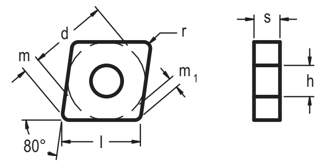
EDP	ISO Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	L2	Through Coolant
033481	A08F SCLCL 06	LH	CC_0602	11	8	5	80	20	
033903	A10H SCLCL 06	LH	CC_0602	13	10	7	100	21	
018349	A12K SCLCL 06	LH	CC_0602	16	12	9	125	23	
033482	A08F SCLCR 06	RH	CC_0602	11	8	5	80	20	
033483	A10H SCLCR 06	RH	CC_0602	13	10	7	100	21	
018350	A12K SCLCR 06	RH	CC_0602	16	12	9	125	23	
018351	A16M SCLCL 09	LH	CC_09T3	20	16	11	150	31	
018353	A20Q SCLCL 09	LH	CC_09T3	24	20	13	180	36	
018355	A25R SCLCL 09	LH	CC_09T3	31	25	17	200	42	
018352	A16M SCLCR 09	RH	CC_09T3	20	16	11	150	31	
018354	A20Q SCLCR 09	RH	CC_09T3	24	20	13	180	36	
018356	A25R SCLCR 09	RH	CC_09T3	31	25	17	200	42	
033904	A32S SCLCL 12	LH	CC_1204	39	32	22	250	45	
033905	A32S SCLCR 12	RH	CC_1204	39	32	22	250	45	

S Style Internal Boring Bar
for Positive Inserts:
CC_06, CC_09, and CC_1204
Application: I/D Boring
Approach 95°
Axial 0°
Radial -6°
Profiling Clearance Angle β = 0°
RH Bar shown

A.. SCLCL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
A08F SCLCL/R 06	034498	1425	018488	T7	-	-	-	-
A10H SCLCL/R 06								
A12K SCLCL/R 06								
A16M SCLCL/R 09	034499	1440	015240	T15	-	-	-	-
A20Q SCLCL/R 09								
A25R SCLCL/R 09								
A32S SCLCL/R 12	034500	1540	034577	K5517	028571	SA3614	028739	SAS1760

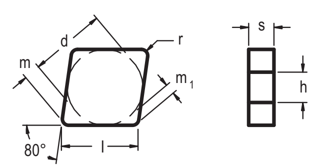
CNGG
3F Geometry

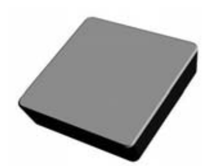


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031580	CNGG120401F-3F	SP0819	12,70	12,90	4,76	0,10	5,16		Medium
031543	CNGG120402F-3F	SP0819	12,70	12,90	4,76	0,20	5,16		Medium
031544	CNGG120404F-3F	SP0819	12,70	12,90	4,76	0,40	5,16		Medium
031545	CNGG120408F-3F	SP0819	12,70	12,90	4,76	0,80	5,16		Medium
031546	CNGG120412F-3F	SP0819	12,70	12,90	4,76	0,80	5,16		Medium

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

CNGN
Ceramics





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032314	CNGN120404 E010	SA6609	12,70	12,90	4,76	0,40	5,16		Roughing
032315	CNGN120408 E010	SA6609	12,70	12,90	4,76	0,80	5,16		Roughing
032316	CNGN120408 E030	SA6609	12,70	12,90	4,76	0,80	5,16		Roughing
032317	CNGN120412 E010	SA6609	12,70	12,90	4,76	1,20	5,16		Roughing
032318	CNGN120412 E030	SA6609	12,70	12,90	4,76	1,20	5,16		Roughing
032319	CNGN120416 E030	SA6609	12,70	12,90	4,76	1,60	5,16		Roughing
032320	CNGN120708 E010	SA6609	12,70	12,90	7,94	0,80	5,16		Roughing
032321	CNGN120712 E010	SA6609	12,70	12,90	7,94	1,20	5,16		Roughing
032322	CNGN120716 E030	SA6609	12,70	12,90	7,94	1,60	5,16		Roughing
032323	CNGN160612 E010	SA6609	15,88	16,10	6,35	1,20	6,35		Roughing

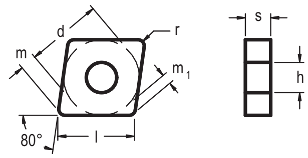
Note: For edge condition refer to Grade page 31

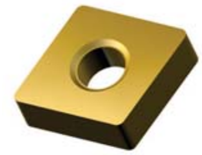
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

CNMA
Flat Top





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032385	CNMA120404E	NL250	12,70	12,90	4,76	0,40	5,16	♦	Heavy Roughing
032386	CNMA120408E	NL250	12,70	12,90	4,76	0,80	5,16	♦	Heavy Roughing
032387	CNMA120412E	NL250	12,70	12,90	4,76	1,20	5,16	♦	Heavy Roughing
032388	CNMA120416E	NL250	12,70	12,90	4,76	1,60	5,16	♦	Heavy Roughing
032389	CNMA160612E	NL250	15,88	16,10	6,35	1,20	6,35	♦	Heavy Roughing
032390	CNMA160616E	NL250	15,88	16,10	6,35	1,60	6,35	♦	Heavy Roughing
032391	CNMA160632E	NL250	15,88	16,10	6,35	3,20	6,35	♦	Heavy Roughing
032392	CNMA190612E	NL250	19,05	19,40	6,35	1,20	7,92	♦	Heavy Roughing
032393	CNMA190616E	NL250	19,05	19,40	6,35	1,60	7,92	♦	Heavy Roughing
032394	CNMA190632E	NL250	19,05	19,40	6,35	3,20	7,92	♦	Heavy Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

Material Guide – Key to Recommended Inserts

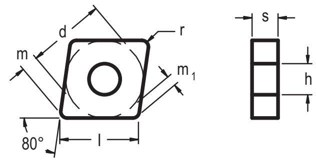
Material Designation

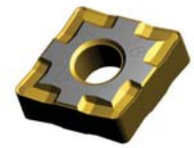
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

C Style

Turning Inserts

CNMG
1B Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032395	CNMG120404E-1B	NL250	12,70	12,90	4,76	0,40	5,16		Finishing
030864	CNMG120404E-1B	SP0819	12,70	12,90	4,76	0,40	5,16		Finishing
030865	CNMG120408E-1B	SP0819	12,70	12,90	4,76	0,80	5,16		Finishing
032396	CNMG120408E-1B	NL250	12,70	12,90	4,76	0,80	5,16		Finishing
032397	CNMG120412E-1B	NL250	12,70	12,90	4,76	1,20	5,16		Finishing
030866	CNMG120412E-1B	SP0819	12,70	12,90	4,76	1,20	5,16		Finishing

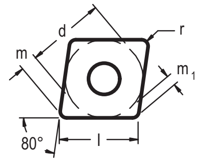
For Toolholders External: see pages 61 - 65 | Internal: see pages 66

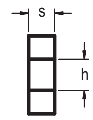
Material Guide – Key to Recommended Inserts

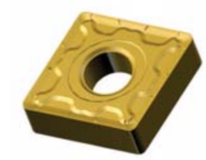
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CNMG
2N Geometry







EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032398	CNMG120404E-2N	NL250	12,70	12,90	4,76	0,40	5,16		Medium
032399	CNMG120404E-2N	NL300	12,70	12,90	4,76	0,40	5,16		Medium
032400	CNMG120404E-2N	NL920	12,70	12,90	4,76	0,40	5,16		Medium
032401	CNMG120408E-2N	NL250	12,70	12,90	4,76	0,80	5,16		Medium
032402	CNMG120408E-2N	NL300	12,70	12,90	4,76	0,80	5,16		Medium
032403	CNMG120408E-2N	NL920	12,70	12,90	4,76	0,80	5,16		Medium
032404	CNMG120412E-2N	NL250	12,70	12,90	4,76	1,20	5,16		Medium
032405	CNMG120412E-2N	NL300	12,70	12,90	4,76	1,20	5,16		Medium
032406	CNMG120412E-2N	NL920	12,70	12,90	4,76	1,20	5,16		Medium
032407	CNMG120416E-2N	NL250	12,70	12,90	4,76	1,60	5,16		Medium
032408	CNMG120416E-2N	NL300	12,70	12,90	4,76	1,60	5,16		Medium
032409	CNMG120416E-2N	NL920	12,70	12,90	4,76	1,60	5,16		Medium

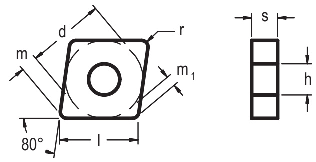
For Toolholders External: see pages 61 - 65 | Internal: see pages 66

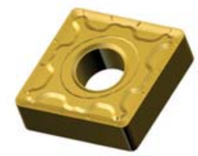
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CNMG
2N Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032410	CNMG160608E-2N	NL250	15,88	16,10	6,35	0,80	6,35		Medium
032411	CNMG160608E-2N	NL300	15,88	16,10	6,35	0,80	6,35		Medium
032412	CNMG160608E-2N	NL920	15,88	16,10	6,35	0,80	6,35		Medium
032413	CNMG160612E-2N	NL250	15,88	16,10	6,35	1,20	6,35		Medium
032414	CNMG160612E-2N	NL300	15,88	16,10	6,35	1,20	6,35		Medium
032415	CNMG160612E-2N	NL920	15,88	16,10	6,35	1,20	6,35		Medium
032416	CNMG160616E-2N	NL250	15,88	16,10	6,35	1,60	6,35		Medium
032417	CNMG160616E-2N	NL300	15,88	16,10	6,35	1,60	6,35		Medium
032418	CNMG160616E-2N	NL920	15,88	16,10	6,35	1,60	6,35		Medium
032419	CNMG190612E-2N	NL300	19,05	19,40	6,35	1,20	7,92		Medium
032420	CNMG190612E-2N	NL920	19,05	19,40	6,35	1,20	7,92		Medium
032421	CNMG190616E-2N	NL300	19,05	19,40	6,35	1,60	7,92		Medium
032422	CNMG190616E-2N	NL920	19,05	19,40	6,35	1,60	7,92		Medium

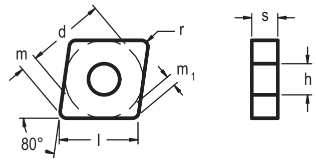
For Toolholders External: see pages 61 - 65 | Internal: see pages 66

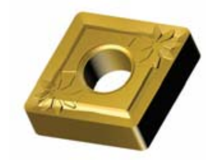
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CNMG
3J Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032423	CNMG120404E-3J	SP4019	12,70	12,90	4,76	0,40	5,16		Medium
032424	CNMG120408E-3J	SP4019	12,70	12,90	4,76	0,80	5,16		Medium
032425	CNMG120412E-3J	SP4019	12,70	12,90	4,76	1,20	5,16		Medium
032426	CNMG120416E-3J	SP4019	12,70	12,90	4,76	1,60	5,16		Medium
032427	CNMG160612E-3J	SP4019	15,88	16,10	6,35	1,20	6,35		Medium
032428	CNMG160616E-3J	SP4019	15,88	16,10	6,35	1,60	6,35		Medium
032429	CNMG190612E-3J	SP4019	19,05	19,40	6,35	1,20	7,92		Medium
032430	CNMG190616E-3J	SP4019	19,05	19,40	6,35	1,60	7,92		Medium

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

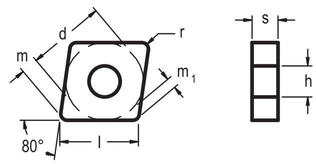
Material Guide – Key to Recommended Inserts

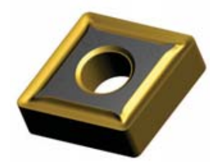
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CNMG

4E Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
030506	CNMG120404E-4E	SP0819	12,70	12,90	4,76	0,40	5,16		Medium-Roughing
032431	CNMG120404E-4E	NL400	12,70	12,90	4,76	0,40	5,16		Medium-Roughing
030507	CNMG120408E-4E	SP0819	12,70	12,90	4,76	0,80	5,16		Medium-Roughing
032432	CNMG120408E-4E	NL400	12,70	12,90	4,76	0,80	5,16		Medium-Roughing
030507	CNMG120408E-4E	SP0819	12,70	12,90	4,76	0,80	5,16		Medium-Roughing
032433	CNMG120412E-4E	NL400	12,70	12,90	4,76	1,20	5,16		Medium-Roughing
030508	CNMG120412E-4E	SP0819	12,70	12,90	4,76	1,20	5,16		Medium-Roughing
032434	CNMG160608E-4E	NL400	15,88	16,10	6,35	0,80	6,35		Medium-Roughing
030509	CNMG160608E-4E	SP0819	15,88	16,10	6,35	0,80	6,35		Medium-Roughing
030510	CNMG160612E-4E	SP0819	15,88	16,10	6,35	1,20	6,35		Medium-Roughing
032435	CNMG160612E-4E	NL400	15,88	16,10	6,35	1,20	6,35		Medium-Roughing
032436	CNMG160616E-4E	NL400	15,88	16,10	6,35	1,60	6,35		Medium-Roughing
030511	CNMG160616E-4E	SP0819	15,88	16,10	6,35	1,60	6,35		Medium-Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

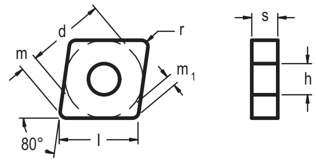
CNMG1906 See page 55

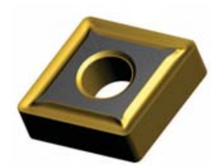
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CNMG
4E Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032437	CNMG190608E-4E	NL400	19,05	19,40	6,35	0,80	7,92		Medium-Roughing
030512	CNMG190608E-4E	SP0819	19,05	19,40	6,35	0,80	7,92		Medium-Roughing
030513	CNMG190612E-4E	SP0819	19,05	19,40	6,35	1,20	7,92		Medium-Roughing
032438	CNMG190612E-4E	NL400	19,05	19,40	6,35	1,20	7,92		Medium-Roughing
032439	CNMG190616E-4E	NL400	19,05	19,40	6,35	1,60	7,92		Medium-Roughing
030514	CNMG190616E-4E	SP0819	19,05	19,40	6,35	1,60	7,92		Medium-Roughing
032440	CNMG190624E-4E	NL400	19,05	19,40	6,35	2,40	7,92		Medium-Roughing
030515	CNMG190624E-4E	SP0819	19,05	19,40	6,35	2,40	7,92		Medium-Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

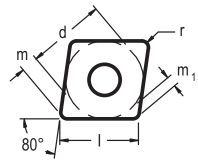
Material Guide – Key to Recommended Inserts

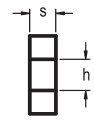
Material Designation

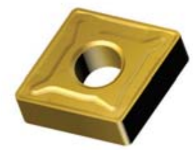
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

CNMG
4T Geometry







EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032442	CNMG120404E-4T	NL250	12,70	12,90	4,76	0,40	5,16		Roughing
032443	CNMG120404E-4T	NL300	12,70	12,90	4,76	0,40	5,16		Roughing
032444	CNMG120404E-4T	NL400	12,70	12,90	4,76	0,40	5,16		Roughing
032445	CNMG120404E-4T	NL920	12,70	12,90	4,76	0,40	5,16		Roughing
032446	CNMG120408E-4T	NL250	12,70	12,90	4,76	0,80	5,16		Roughing
032447	CNMG120408E-4T	NL300	12,70	12,90	4,76	0,80	5,16		Roughing
032448	CNMG120408E-4T	NL400	12,70	12,90	4,76	0,80	5,16		Roughing
032449	CNMG120408E-4T	NL920	12,70	12,90	4,76	0,80	5,16		Roughing
032450	CNMG120412E-4T	NL250	12,70	12,90	4,76	1,20	5,16		Roughing
032451	CNMG120412E-4T	NL300	12,70	12,90	4,76	1,20	5,16		Roughing
032452	CNMG120412E-4T	NL400	12,70	12,90	4,76	1,20	5,16		Roughing
032453	CNMG120412E-4T	NL920	12,70	12,90	4,76	1,20	5,16		Roughing
032454	CNMG120416E-4T	NL250	12,70	12,90	4,76	1,60	5,16		Roughing
032455	CNMG120416E-4T	NL300	12,70	12,90	4,76	1,60	5,16		Roughing
032456	CNMG120416E-4T	NL400	12,70	12,90	4,76	1,60	5,16		Roughing
032457	CNMG120416E-4T	NL920	12,70	12,90	4,76	1,60	5,16		Roughing

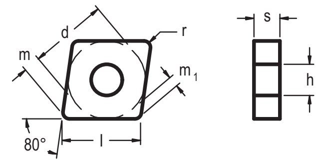
For Toolholders External: see pages 61 - 65 | Internal: see pages 66

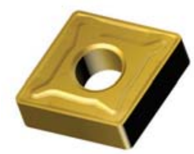
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

CNMG
4T Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032458	CNMG160608E-4T	NL250	15,88	16,10	6,35	0,80	6,35		Roughing
032459	CNMG160608E-4T	NL300	15,88	16,10	6,35	0,80	6,35		Roughing
032460	CNMG160608E-4T	NL400	15,88	16,10	6,35	0,80	6,35		Roughing
032461	CNMG160608E-4T	NL920	15,88	16,10	6,35	0,80	6,35		Roughing
032462	CNMG160612E-4T	NL250	15,88	16,10	6,35	1,20	6,35		Roughing
032463	CNMG160612E-4T	NL300	15,88	16,10	6,35	1,20	6,35		Roughing
032464	CNMG160612E-4T	NL400	15,88	16,10	6,35	1,20	6,35		Roughing
032465	CNMG160612E-4T	NL920	15,88	16,10	6,35	1,20	6,35		Roughing
032466	CNMG160616E-4T	NL250	15,88	16,10	6,35	1,60	6,35		Roughing
032467	CNMG160616E-4T	NL300	15,88	16,10	6,35	1,60	6,35		Roughing
032468	CNMG160616E-4T	NL400	15,88	16,10	6,35	1,60	6,35		Roughing
032469	CNMG160616E-4T	NL920	15,88	16,10	6,35	1,60	6,35		Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

Material Guide – Key to Recommended Inserts

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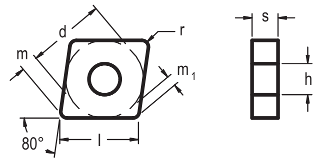
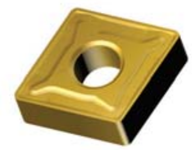
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

CNMG
4T Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032470	CNMG190608E-4T	NL250	19,05	19,40	6,35	0,80	7,92		Roughing
032471	CNMG190608E-4T	NL300	19,05	19,40	6,35	0,80	7,92		Roughing
032472	CNMG190608E-4T	NL400	19,05	19,40	6,35	0,80	7,92		Roughing
032473	CNMG190608E-4T	NL920	19,05	19,40	6,35	0,80	7,92		Roughing
032474	CNMG190612E-4T	NL250	19,05	19,40	6,35	1,20	7,92		Roughing
032475	CNMG190612E-4T	NL300	19,05	19,40	6,35	1,20	7,92		Roughing
032476	CNMG190612E-4T	NL400	19,05	19,40	6,35	1,20	7,92		Roughing
032477	CNMG190612E-4T	NL920	19,05	19,40	6,35	1,20	7,92		Roughing
032478	CNMG190616E-4T	NL250	19,05	19,40	6,35	1,60	7,92		Roughing
032479	CNMG190616E-4T	NL300	19,05	19,40	6,35	1,60	7,92		Roughing
032480	CNMG190616E-4T	NL400	19,05	19,40	6,35	1,60	7,92		Roughing
032481	CNMG190616E-4T	NL920	19,05	19,40	6,35	1,60	7,92		Roughing
032482	CNMG250924E-4T	NL300	25,40	25,79	9,53	2,40	9,12		Roughing
032483	CNMG250924E-4T	NL400	25,40	25,79	9,53	2,40	9,12		Roughing
032484	CNMG250924E-4T	NL920	25,40	25,79	9,53	2,40	9,12		Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

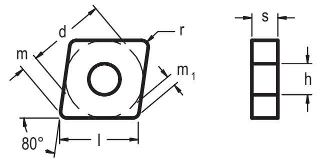
Material Guide – Key to Recommended Inserts

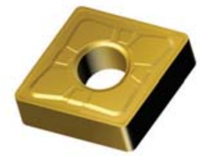
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

CNMG
4U Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032485	CNMG120404E-4U	NL200	12,70	12,90	4,76	0,40	5,16	P P K H	Roughing
032486	CNMG120408E-4U	NL200	12,70	12,90	4,76	0,80	5,16	P P K H	Roughing
032487	CNMG120412E-4U	NL200	12,70	12,90	4,76	1,20	5,16	P P K H	Roughing
032488	CNMG120416E-4U	NL200	12,70	12,90	4,76	1,60	5,16	P P K H	Roughing
032489	CNMG160608E-4U	NL200	15,88	16,10	6,35	0,80	6,35	P P K H	Roughing
032490	CNMG160612E-4U	NL200	15,88	16,10	6,35	1,20	6,35	P P K H	Roughing
032491	CNMG160616E-4U	NL200	15,88	16,10	6,35	1,60	6,35	P P K H	Roughing
032492	CNMG190612E-4U	NL200	19,05	19,40	6,35	1,20	7,92	P P K H	Roughing
032493	CNMG190616E-4U	NL200	19,05	19,40	6,35	1,60	7,92	P P K H	Roughing
032494	CNMG190624E-4U	NL200	19,05	19,40	6,35	2,40	7,92	P P K H	Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

Material Guide – Key to Recommended Inserts

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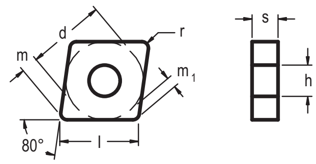
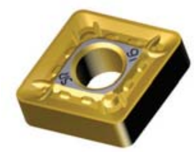
Stellram® Cutting Tool Systems

CNMM
5R Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031684	CNMM160612E-5R	NL300	15,88	16,10	6,35	1,20	6,35		Heavy Roughing
031668	CNMM160612E-5R	NL400	15,88	16,10	6,35	1,20	6,35		Heavy Roughing
031685	CNMM160616E-5R	NL300	15,88	16,10	6,35	1,60	6,35		Heavy Roughing
031669	CNMM160616E-5R	NL400	15,88	16,10	6,35	1,60	6,35		Heavy Roughing
031686	CNMM160624E-5R	NL300	15,88	16,10	6,35	2,40	6,35		Heavy Roughing
031670	CNMM160624E-5R	NL400	15,88	16,10	6,35	2,40	6,35		Heavy Roughing
031687	CNMM190612E-5R	NL300	19,05	19,40	6,35	1,20	7,92		Heavy Roughing
031671	CNMM190612E-5R	NL400	19,05	19,40	6,35	1,20	7,92		Heavy Roughing
031688	CNMM190616E-5R	NL300	19,05	19,40	6,35	1,60	7,92		Heavy Roughing
031672	CNMM190616E-5R	NL400	19,05	19,40	6,35	1,60	7,92		Heavy Roughing
031689	CNMM190624E-5R	NL300	19,05	19,40	6,35	2,40	7,92		Heavy Roughing
031673	CNMM190624E-5R	NL400	19,05	19,40	6,35	2,40	7,92		Heavy Roughing
031683	CNMM250924E-5R	NL300	25,40	25,78	9,53	2,40	9,12		Heavy Roughing
031682	CNMM250924E-5R	NL920	25,40	25,78	9,53	2,40	9,12		Heavy Roughing

For Toolholders External: see pages 61 - 65 | Internal: see pages 66

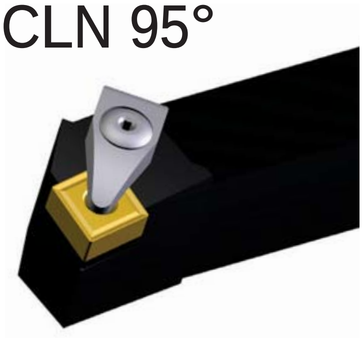
Material Guide – Key to Recommended Inserts

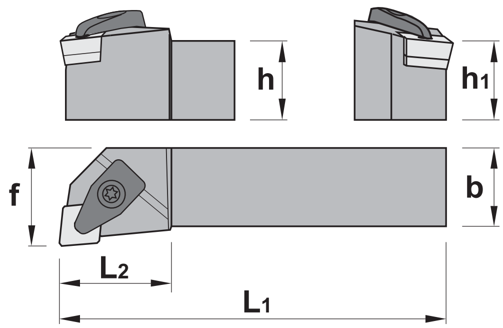
Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

Stellram®
Cutting Tool Systems

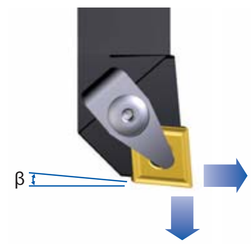
DCLN 95°





DCLN LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
033245	DCLNL 2020 K12	LH	CN_1204	20	20	25	125	34
033246	DCLNL 2525 M12	LH	CN_1204	25	25	32	150	34
033247	DCLNL 3232 P12	LH	CN_1204	32	32	40	170	34
033248	DCLNR 2020 K12	RH	CN_1204	20	20	25	125	34
033249	DCLNR 2525 M12	RH	CN_1204	25	25	32	150	34
033250	DCLNR 3232 P12	RH	CN_1204	32	32	40	170	34
033251	DCLNL 2525 M16	LH	CN_1606	25	25	32	150	36
033252	DCLNL 3232 P16	LH	CN_1606	32	32	40	170	40
033253	DCLNR 2525 M16	RH	CN_1606	25	25	32	150	36
033254	DCLNR 3232 P16	RH	CN_1606	32	32	40	170	40
033255	DCLNL 3232 P19	LH	CN_1906	32	32	40	170	42
033256	DCLNL 4040 S19	LH	CN_1906	40	40	50	250	42
033257	DCLNR 3232 P19	RH	CN_1906	32	32	40	170	42
033258	DCLNR 4040 S19	RH	CN_1906	40	40	50	250	42



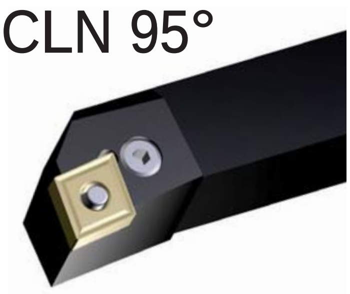
D style External Toolholder
for Negative Inserts:
CN_1204, CN_1606 & CN_1906
Application: Face and Turn O/D
Approach 95°
Axial -6°
Radial -6°
Profiling Clearance Angle β = 0°
RH Holder Shown

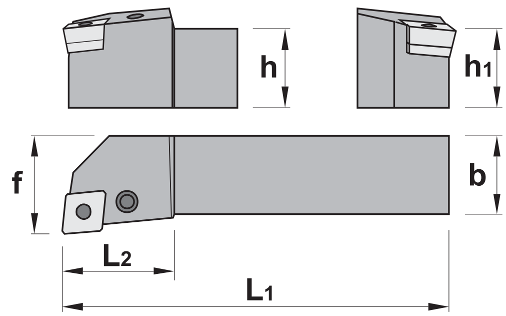
DCLNL/R Spare Parts

Item Description	*Clamp Screw EDP*		*Clamp EDP*		*Clamp Spring EDP*		*Anvil EDP*		*Anvil Screw EDP*		*Clamp & Anvil Screw Key*	
DCLNL/R 2020 K12	*033710*	1696	*033707*	DC2712	*033719*	4295	*033712*	ICSN442	*033716*	1766	*018287*	KH5004
DCLNL/R 2525 M12												
DCLNL/R 3232 P12												
DCLNL/R 2525 M16			*034495*	DC2716			*001685*	ICSN533	*034509*	1768		
DCLNL/R 3232 P16												
DCLNL/R 3232 P19			*033708*	DC2719			*001686*	ICSN633	*033717*	1770		
DCLNL/R 4040 S19												

Stellram®
Cutting Tool Systems

PCLN 95°

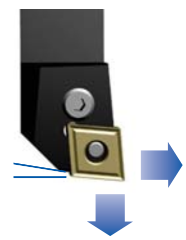




PCLN LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
033273	*PCLNL 4040 S25	LH	CN_2509	40	40	50	250	45
033274	*PCLNL 5050 T25	LH	CN_2509	50	50	60	300	50
033275	*PCLNR 4040 S25	RH	CN_2509	40	40	50	250	45
033276	*PCLNR 5050 T25	RH	CN_2509	50	50	60	300	50

* Non Stock Items, subject to extended delivery time

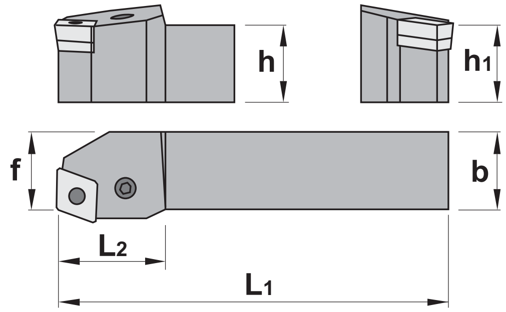


P Style External Toolholder
for Negative Inserts: CN_2509
Application: Face and Turn O/D
Approach 95°
Axial -6°
Radial -6°
Profiling Clearance Angle β = 0°
RH Holder Shown

PCLNL/R Spare Parts

Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PCLNL/R 4040 S25 PCLNL/R 5050 T25	028408	PL8025	028409	PLS1612	034483	PA3625	028418	PC4125	034506	PCP0025	018285	KH5005

PCBN 75°



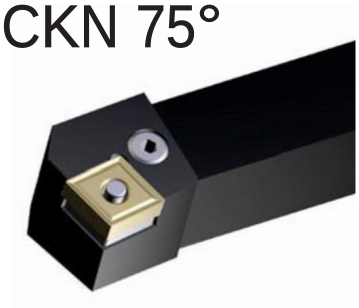
PCBN LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
017118	PCBNL 2020 K12	LH	CN_1204	20	20	17	125	28
017120	PCBNL 2525 M12	LH	CN_1204	25	25	22	150	28
017119	PCBNR 2020 K12	RH	CN_1204	20	20	17	125	28
017121	PCBNR 2525 M12	RH	CN_1204	25	25	22	150	28
028373	PCBNL 3232 P16	LH	CN_1606	32	32	27	170	34
017127	PCBNR 3232 P16	RH	CN_1606	32	32	27	170	34

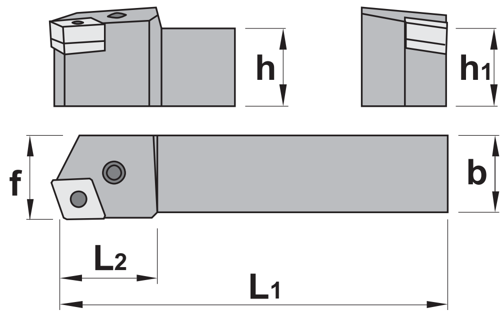
P Style External Toolholder
for Negative Inserts:
CN_1204 & CN_1606
Application: Turn O/D
Approach 75°
Axial -7,25°
Radial -4,25°
RH Holder Shown

PCBNL/R Spare Parts												
Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PCBNL/R 2020 K12	017443	PL8012	017448	PLS1608	017456	PA3612	017453	PC4112	028054	PCP0012	018286	KH5003
PCBNL/R 2525 M12												
PCBNL/R 3232 P16	017445	PL8016	017450	PLS1618	017457	PA3616	028051	PC4115	034505	PCP0015		

Stellram®
Cutting Tool Systems

PCKN 75°



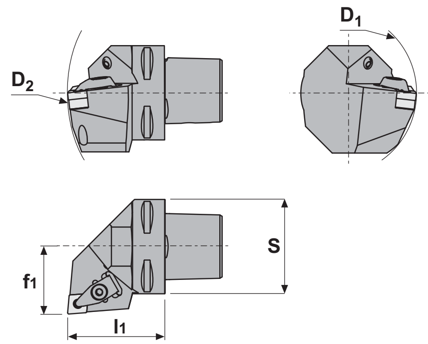


PCKN LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
017130	PCKNL 2020 K 12	LH	CN_1204	20	20	25	125	28
017132	PCKNL 2525 M 12	LH	CN_1204	25	25	32	150	28
033280	PCKNL 3225 P 12	LH	CN_1204	32	25	32	170	28
017131	PCKNR 2020 K 12	RH	CN_1204	20	20	25	125	28
017133	PCKNR 2525 M 12	RH	CN_1204	25	25	32	150	28
033281	PCKNR 3225 P 12	RH	CN_1204	32	25	32	170	28

P Style External Toolholder
for Negative Inserts: CN_1204
Application: Facing
Approach 75°
Axial -6,5°
Radial -5,5°
RH Holder Shown

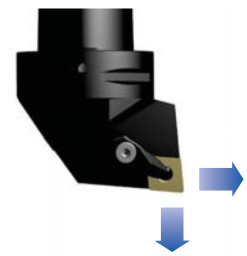
PCKNL/R Spare Parts												
Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PCKNL/R 2020 K12 PCKNL/R 2525 M12 PCKNL/R 3225 P12	017443	PL8012	017448	PLS1608	017456	PA3612	017453	PC4112	028054	PCP0012	018286	KH5003

DCLN 95°



EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				S	D1	D2	f1	l1
033691	C5-50-DCLNL35060-12	LH	CN_1204	50	110	165	35	60
033692	C5-50-DCLNR35060-12	RH	CN_1204	50	110	165	35	60
033693	C6-63-DCLNL45065-12	LH	CN_1204	63	110	190	45	65
033694	C6-63-DCLNR45065-12	RH	CN_1204	63	110	190	45	65
033695	C8-80-DCLNL55080-19	LH	CN_1906	80	125	250	55	80
033696	C8-80-DCLNR55080-19	RH	CN_1906	80	125	250	55	80

Table title: DCLN LH & RH External PSC Toolholders

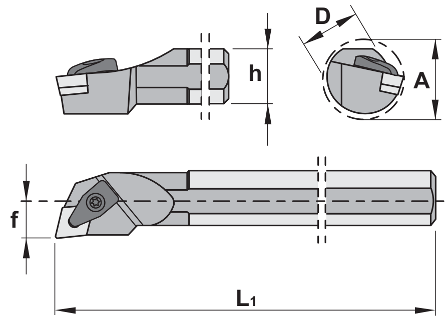


D Style External Toolholder
for Negative Inserts:
CN_1204 & CN_1906
Application: External Face, Turn O/D
Approch 95°
Axial -5°
Radial -6°
Profilling Clearance Angle β = 0°
RH Holder Shown

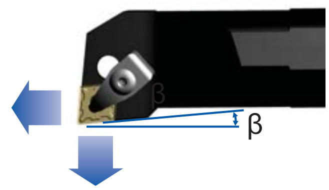
DCLNL/R Spare Parts

Item Description	*Clamp EDP*		*Clamp Screw EDP*		*Anvil EDP*		*Anvil Screw EDP*		*Clamp Spring EDP*		*Screw Key EDP*	
C5-50-DCLNL/R 35060-12	*033707*	2712	*033710*	1696	*033712*	ICSN442	*033716*	1766	*033719*	4295	*018287*	KH5004
C6-63-DCLNL/R 45065-12	*033707*	2712	*033710*	1696	*033712*	ICSN442	*033716*	1766	*033719*	4295	*018287*	KH5004
C8-80-DCLNL/R 55080-19	*033708*	2719	*033710*	1696	*001686*	ICSN633	*033717*	1770	*033719*	4295	*018287*	KH5004

S..DCLN 95°



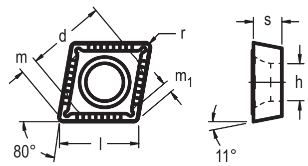
S..DCLN LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	h	Through Coolant
033286	S25T DCLNL 12	LH	CN_1204	31	25	17	300	23	⃠
033287	S32U DCLNL 12	LH	CN_1204	39	32	22	350	30	⃠
033288	S40V DCLNL 12	LH	CN_1204	48	40	27	400	37	⃠
033289	S25T DCLNR 12	RH	CN_1204	31	25	17	300	23	⃠
033290	S32U DCLNR 12	RH	CN_1204	39	32	22	350	30	⃠
033291	S40V DCLNR 12	RH	CN_1204	48	40	27	400	37	⃠
033292	*S40V DCLNL 16	LH	CN_1606	48	40	27	400	37	⃠
033293	*S50W DCLNL 16	LH	CN_1606	61	50	35	450	47	⃠
033294	*S40V DCLNR 16	RH	CN_1606	48	40	27	400	37	⃠
033295	*S50W DCLNR 16	RH	CN_1606	61	50	35	450	47	⃠

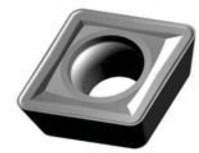


D Style Internal Boring Bar
for Negative Inserts:
CN_1204 & CN_1606
Application:- I/D Face and Bore
Axial Approach 95°
Axial -5°
Radial -13,5°
Profiling Clearance Angle β = 0°
RH Bar Shown

S..DCLNL/R Spare Parts											
Item Description	Clamp Screw EDP		Clamp EDP		Clamp Spring EDP		Anvil EDP		Anvil Screw EDP		Clamp & Anvil Screw Key
S25T DCLNL/R 12	033710	1696	033707	DC2712	033719	4295	017456	3612	029095	1765	018287	KH5004
S32U DCLNL/R 12							029079	ICCN432	034508	1161		
S40V DCLNL/R 12									034507	1160		
*S40V DCLNL/R 16			034495	DC2716			001685	ICSN-533	034509	1768		
*S50W DCLNL/R 16												

CPMT
-73 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032496	CPMT060204E-73	SP4019	6,35	6,45	2,38	0,40	2,80	◆◆◆◆◆	Medium
032497	CPMT080302E-73	SP4019	9,52	7,94	3,18	0,20	3,05	◆◆◆◆◆	Medium
032498	CPMT080304E -73	SP4019	9,52	7,94	3,18	0,40	3,05	◆◆◆◆◆	Medium
032499	CPMT080308E-73	SP4019	9,52	7,94	3,18	0,80	3,05	◆◆◆◆◆	Medium

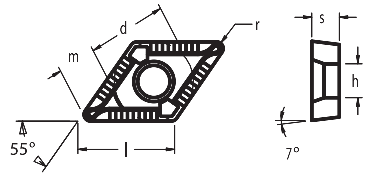
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram® Cutting Tool Systems

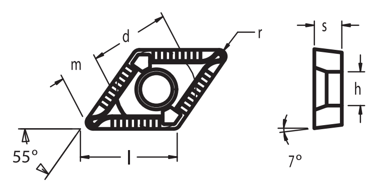
DCGT & DCGX
-62 Geometry

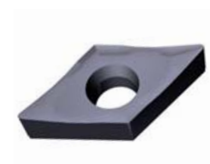


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031401	DCGX0702005E-62	SP4019	6,35	7,70	2,38	0,05	2,79		Finishing
030577	DCGT070201E-62	SP4019	6,35	7,70	2,38	0,10	2,79		Finishing
030578	DCGT070202E-62	SP4019	6,35	7,70	2,38	0,20	2,79		Finishing
030579	DCGT070204E-62	SP4019	6,35	7,70	2,38	0,40	2,79		Finishing
031402	DCGX11T3005E-62	SP4019	9,52	11,60	3,97	0,05	4,39		Finishing
030581	DCGT11T301E-62	SP4019	9,52	11,60	3,97	0,10	4,39		Finishing
030582	DCGT11T302E-62	SP4019	9,52	11,60	3,97	0,20	4,39		Finishing
030583	DCGT11T304E-62	SP4019	9,52	11,60	3,97	0,40	4,39		Finishing
030584	DCGT11T308E-62	SP4019	9,52	11,60	3,97	0,80	4,39		Finishing

For Toolholders External: see pages 70 - 72 | Internal: see pages 73 - 75

DCGT
-64 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
034465	DCGT11T302F-64	GH1	9,52	11,60	3,97	0,20	4,39		Finishing
014068	DCGT11T304F-64	GH1	9,52	11,60	3,97	0,40	4,39		Finishing
014069	DCGT11T308F-64	GH1	9,52	11,60	3,97	0,80	4,39		Finishing

For Toolholders External: see pages 70 - 72 | Internal: see pages 73 - 75

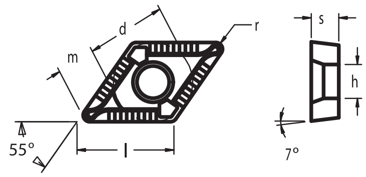
Material Guide – Key to Recommended Inserts

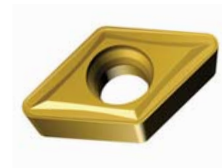
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

DCMT
-73 Geometry

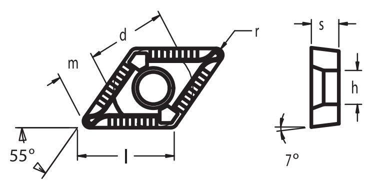




EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032501	DCMT070202E-73	SP4019	6,35	7,70	2,38	0,20	2,79		Medium
032502	DCMT070202E-73	NL300	6,35	7,70	2,38	0,20	2,79		Medium
032503	DCMT070204E-73	SP4019	6,35	7,70	2,38	0,40	2,79		Medium
032504	DCMT070204E-73	NL300	6,35	7,70	2,38	0,40	2,79		Medium
032285	DCMT11T304E-73	SP4019	9,52	11,60	3,97	0,40	4,39		Medium
032505	DCMT11T304E-73	NL300	9,52	11,60	3,97	0,40	4,39		Medium
032506	DCMT11T304E-73	NL920	9,52	11,60	3,97	0,40	4,39		Medium
032297	DCMT11T308E-73	SP4019	9,52	11,60	3,97	0,80	4,39		Medium
032507	DCMT11T308E-73	NL300	9,52	11,60	3,97	0,80	4,39		Medium
032508	DCMT11T308E-73	NL920	9,52	11,60	3,97	0,80	4,39		Medium

For Toolholders External: see pages 70 - 72 | Internal: see pages 73 - 75

DCMT
M Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032509	DCMT150404E-M	SP4019	12,70	15,50	4,76	0,40	5,16		Medium
032510	DCMT150404E-M	NL300	12,70	15,50	4,76	0,40	5,16		Medium
032511	DCMT150408E-M	SP4019	12,70	15,50	4,76	0,80	5,16		Medium
032512	DCMT150408E-M	NL300	12,70	15,50	4,76	0,80	5,16		Medium
032513	DCMT150408E-M	NL920	12,70	15,50	4,76	0,80	5,16		Medium

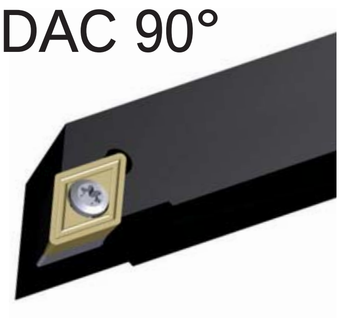
For Toolholders External: see pages 70 - 72 | Internal: see pages 73 - 75

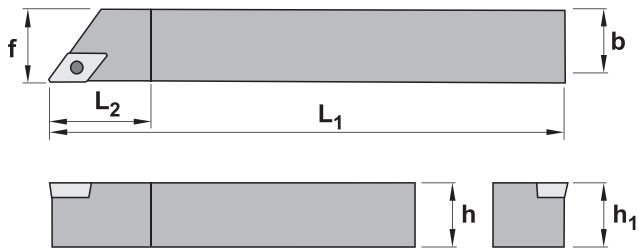
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

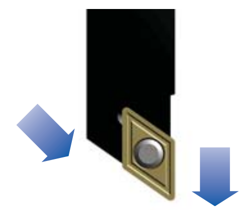
SDAC 90°





SDAC LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
025072	SDACL 1010 M07	LH	DC_0702	10	10	10	150	15
033486	SDACL 1212 M07	LH	DC_0702	12	12	12	150	15
025071	SDACR 1010 M07	RH	DC_0702	10	10	10	150	15
033487	SDACR 1212 M07	RH	DC_0702	12	12	12	150	15
025074	SDACL 1212 M11	LH	DC_11T3	12	12	12	150	19
025076	SDACL 1616 M11	LH	DC_11T3	16	16	16	150	19
025078	SDACL 2020 K11	LH	DC_11T3	20	20	20	125	20
025073	SDACR 1212 M11	RH	DC_11T3	12	12	12	150	19
025075	SDACR 1616 M11	RH	DC_11T3	16	16	16	150	19
025077	SDACR 2020 K11	RH	DC_11T3	20	20	20	125	20

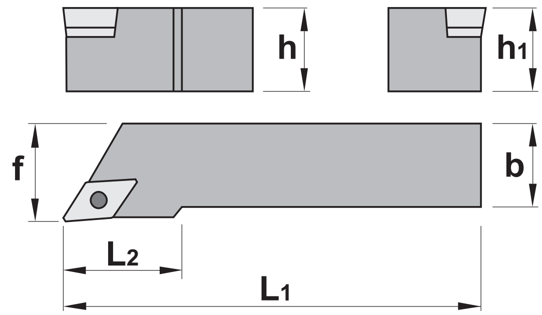


S Style External Toolholder
for Positive Inserts:
DC_0702 and DC_11T3
Application: O/D Profiling
Approach 90°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 32°
RH Holder Shown

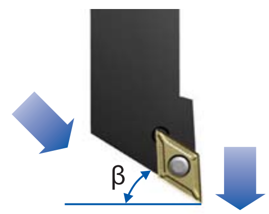
SDACL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SDACL/R 1010 M07	015061	F25007T	018488	T7	-	-	-	-
SDACL/R 1212 M07								
SDACL/R 1212 M11	015262	D4010T	015240	T15	-	-	-	-
SDACL/R 1616 M11								
SDACL/R 2020 K11								

SDJC 93°



SDJC LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h_1	b	f	L_1	L_2
028462	SDJCL 1010 E07	LH	DC_0702	10	10	12	70	14
018001	SDJCL 1212 F07	LH	DC_0702	12	12	16	80	16
028469	SDJCR 1010 E07	RH	DC_0702	10	10	12	70	14
018010	SDJCR 1212 F07	RH	DC_0702	12	12	16	80	16
018002	SDJCL 1212 F11	LH	DC_11T3	12	12	16	80	20
028464	SDJCL 1616 H11	LH	DC_11T3	16	16	20	100	18
028465	SDJCL 2020 K11	LH	DC_11T3	20	20	25	125	22
028466	SDJCL 2525 M11	LH	DC_11T3	25	25	32	150	28
018011	SDJCR 1212 F11	RH	DC_11T3	12	12	16	80	20
028470	SDJCR 1616 H11	RH	DC_11T3	16	16	20	100	18
028471	SDJCR 2020 K11	RH	DC_11T3	20	20	25	125	22
028472	SDJCR 2525 M11	RH	DC_11T3	25	25	32	150	28

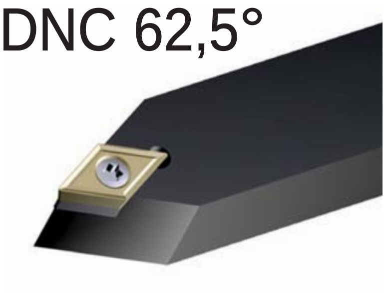


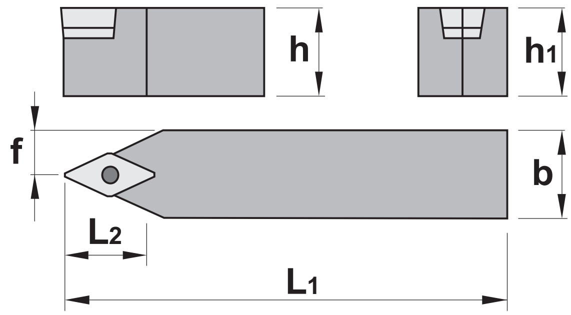
S Style External Toolholder
for Positive Inserts:
DC_0702 and DC_11T3
Application: Facing and O/D Profiling
Approach 93°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 29°
RH Holder Shown

SDJCL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SDJCL/R 1010 E07 SDJCL/R 1212 F07	015061	F2507T	018488	T7	-	-	-	-
SDJCL/R 1212 F11	015262	D4010T	015240	T15	-	-	-	-
SDJCL/R 1616 H11 SDJCL/R 2020 K11 SDJCL/R 2525 M11	034497	1335	028475	K5516	028477	SA3714	028478	SAS1750

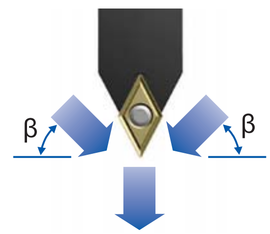
Stellram®
Cutting Tool Systems

SDNC 62,5°





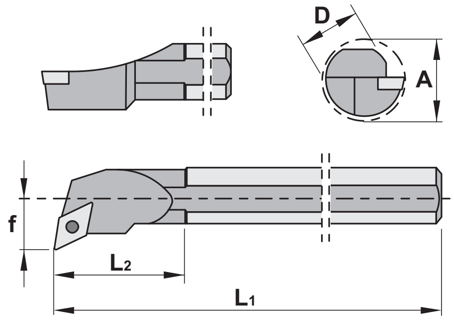
SDNC Neutral External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
028519	SDNC N 1010 E07	Neutral	DC_0702	10	10	5	70	16
028520	SDNC N 1212 F07	Neutral	DC_0702	12	12	6	80	16
028522	SDNC N 1616 H11	Neutral	DC_11T3	16	16	8	100	22
028523	SDNC N 2020 K11	Neutral	DC_11T3	20	20	10	125	22
028524	SDNC N 2525 M11	Neutral	DC_11T3	25	25	12,5	150	22



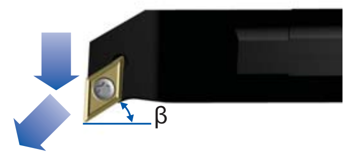
S Style External Toolholder
for Positive Inserts:
DC_0702, and DC_11T3
Application: Plunge and O/D Profiling
Approach 62,5°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 59,5°
Neutral Holder Shown

SDNC Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SDNC N 1010 E07	015061	F2507T	018488	T7	-	-	-	-
SDNC N 1212 F07								
SDNC N 1010 E07	034497	1335	028475	K5516	028477	SA3714	028739	SAS1750
SDNC N 1212 F07								
SDJCL/R 2525 M11								

A.. SDUC 93°



A.. SDUC LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	L2	Through Coolant
018357	A12K SDUCL 07	LH	DC_0702	16	12	9	125	23	
018359	A16M SDUCL 07	LH	DC_0702	20	16	11	150	31	
018358	A12K SDUCR 07	RH	DC_0702	16	12	9	125	23	
018360	A16M SDUCR 07	RH	DC_0702	20	16	11	150	31	
018361	A20Q SDUCL 11	LH	DC_11T3	24	20	13	180	36	
017990	A25R SDUCL 11	LH	DC_11T3	31	25	17	200	42	
018363	A32S SDUCL 11	LH	DC_11T3	39	32	22	250	45	
018362	A20Q SDUCR 11	RH	DC_11T3	24	20	13	180	36	
017991	A25R SDUCR 11	RH	DC_11T3	31	25	17	200	42	
018364	A32S SDUCR 11	RH	DC_11T3	39	32	22	250	45	

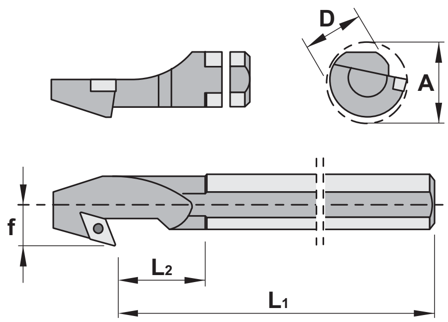


S Style Boring Bar
for Positive Inserts:
DC_0702, and DC_11T3
Application: I/D Profiling
Aproach 93°
Axial 0°
Radial -6°
Profilling Claerance Angle β = 29°
RH Bar Shown

A.. SDUCL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
A12K SDUCL/R 07 A16M SDUCL/R 07	015061	F2507T	018488	T7	-	-	-	-
A20Q SDUCL/R 11 A25R SDUCL/R 11	015262	D4010T	018488	T7	-	-	-	-
A32S SDUCL/R 11	034497	1335	028475	K5516	028477	SA3714	028478	SAS1750

Stellram®
Cutting Tool Systems

A.. SDUC 93°-EX



A.. SDUC -EX LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L_1	L_2	Through Coolant
034596	A12K SDUCL 07-EX	LH	DC_0702	16	12	9	125	32	
034597	A16M SDUCL 07-EX	LH	DC_0702	20	16	11	150	40	
034598	A12K SDUCR 07-EX	RH	DC_0702	16	12	9	125	32	
034599	A16M SDUCR 07-EX	RH	DC_0702	20	16	11	150	40	
034600	A20Q SDUCL 11-EX	LH	DC_11T3	24	20	13	180	45	
034601	A25R SDUCL 11-EX	LH	DC_11T3	31	25	17	200	50	
034602	A20Q SDUCR 11-EX	RH	DC_11T3	24	20	13	180	45	
034603	A25R SDUCR 11-EX	RH	DC_11T3	31	25	17	200	50	

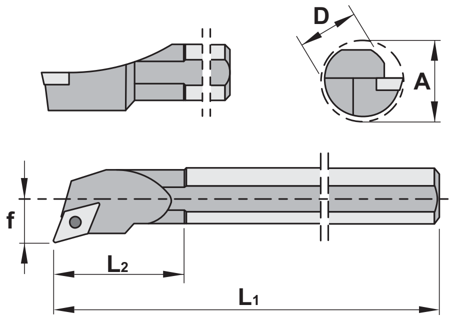
S Style Boring Bar
for Positive Inserts:
DC_0702, and DC_11T3
Application: Back Boring and Profiling
Approach 93°
Axial 0°
Radial -6°
Profilling Clearance Angle β = 29°
RH Bar Shown

A.. SDUCL/R -EX Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
A12K SDUCL/R 07	015061	F2507T	018488	T7	-	-	-	-
A16M SDUCL/R 07	015061	F2507T	018488	T7	-	-	-	-
A20Q SDUCL/R 11	034499	1440	015240	T15	-	-	-	-
A25R SDUCL/R 11	015262	D4010T	015240	T15	-	-	-	-

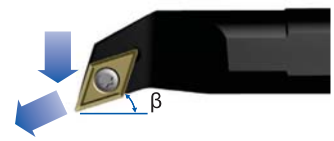
Stellram®
Cutting Tool Systems

A.. SDQC 107,5°



A.. SDQC LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm) Min Bore Ø A	ØD	f	L_1	L_2	Through Coolant
033507	A12K SDQCL 07	LH	DC_0702	16	12	9	125	23	
033508	A16M SDQCL 07	LH	DC_0702	20	16	11	150	31	
033509	A12K SDQCR 07	RH	DC_0702	16	12	9	125	23	
033510	A16M SDQCR 07	RH	DC_0702	20	16	11	150	31	
033511	A20Q SDQCL 11	LH	DC_11T3	24	20	13	180	36	
033512	A25R SDQCL 11	LH	DC_11T3	31	25	17	200	42	
033513	A20Q SDQCR 11	RH	DC_11T3	24	20	13	180	36	
033514	A25R SDQCR 11	RH	DC_11T3	31	25	17	200	42	



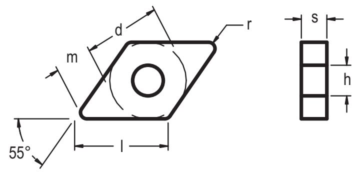
S Style Boring Bar
for Positive Inserts:
DC_0702, and DC_11T3
Application: Face and I/D Profiling
Approach 107,5°
Axial: 0°
Radial -6°
Profilling Clearance Angle β = 14,5°
RH Bar Shown

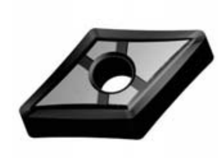
A.. SDQCL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
A12K SDQCL/R 07 A16M SDQCL/R 07	015061	F2507T	018488	T7	-	-	-	-
A20Q SDQCL/R 11 A25R SDQCL/R 11	015262	D4010T	015240	T15	-	-	-	-

Stellram®
Cutting Tool Systems

DNGG
3F Geometry

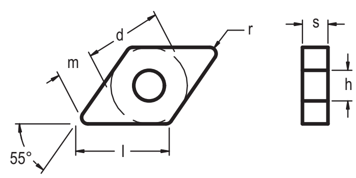




EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031561	DNGG150402F-3F	SP0819	12,70	15,50	4,76	0,20	5,16		Medium
031562	DNGG150404F-3F	SP0819	12,70	15,50	4,76	0,40	5,16		Medium
031563	DNGG150408F-3F	SP0819	12,70	15,50	4,76	0,80	5,16		Medium
031564	DNGG150412F-3F	SP0819	12,70	15,50	4,76	1,20	5,16		Medium
031547	DNGG150602F-3F	SP0819	12,70	15,50	6,35	0,20	5,16		Medium
031548	DNGG150604F-3F	SP0819	12,70	15,50	6,35	0,40	5,16		Medium
031565	DNGG150608F-3F	SP0819	12,70	15,50	6,35	0,80	5,16		Medium
031566	DNGG150612F-3F	SP0819	12,70	15,50	6,35	1,20	5,16		Medium

For Toolholders External: see pages 85 - 87 | Internal: see pages 88 - 89

DNMA
Flat Top



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032514	DNMA150408E	NL250	12,70	15,50	4,76	0,80	5,16		Heavy-Roughing
034471	DNMA150412E	NL250	12,70	15,50	4,76	1,20	5,16		Heavy-Roughing
032515	DNMA150608E	NL250	12,70	15,50	6,35	0,80	5,16		Heavy-Roughing
032516	DNMA150612E	NL250	12,70	15,50	6,35	1,20	5,16		Heavy-Roughing

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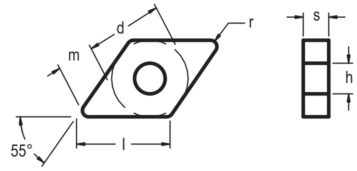
Material Guide – Key to Recommended Inserts

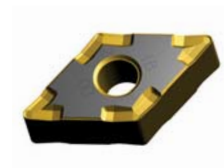
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

DNMG
1B Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032517	DNMG110404E-1B	NL250	9,52	11,00	4,76	0,40	4,39		Finishing
030869	DNMG110404E-1B	SP0819	9,52	11,00	4,76	0,40	4,39		Finishing
032518	DNMG110408E-1B	NL250	9,52	11,00	4,76	0,80	4,39		Finishing
030870	DNMG110408E-1B	SP0819	9,52	11,00	4,76	0,80	4,39		Finishing
032519	DNMG150404E-1B	NL250	12,70	15,50	4,76	0,40	5,16		Finishing
030872	DNMG150404E-1B	SP0819	12,70	15,50	4,76	0,40	5,16		Finishing
032520	DNMG150408E-1B	NL250	12,70	15,50	4,76	0,80	5,16		Finishing
030873	DNMG150408E-1B	SP0819	12,70	15,50	4,76	0,80	5,16		Finishing
030874	DNMG150412E-1B	SP0819	12,70	15,50	4,76	1,20	5,16		Finishing
032521	DNMG150412E-1B	NL250	12,70	15,50	4,76	1,20	5,16		Finishing
030875	DNMG150604E-1B	SP0819	12,70	15,50	6,35	0,40	5,16		Finishing
032522	DNMG150604E-1B	NL250	12,70	15,50	6,35	0,40	5,16		Finishing
032523	DNMG150608E-1B	NL250	12,70	15,50	6,35	0,80	5,16		Finishing
030876	DNMG150608E-1B	SP0819	12,70	15,50	6,35	0,80	5,16		Finishing
030877	DNMG150612E-1B	SP0819	12,70	15,50	6,35	1,20	5,16		Finishing
032524	DNMG150612E-1B	NL250	12,70	15,50	6,35	1,20	5,16		Finishing

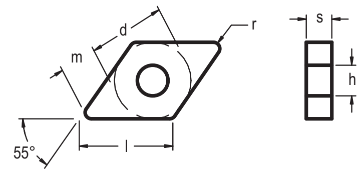
For Toolholders External: see pages 85 - 87 | Internal: see pages 88 - 89

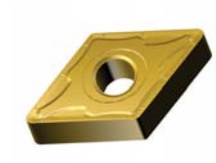
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

DNMG
2N Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032525	DNMG110404E-2N	NL250	9,52	11,00	4,76	0,40	4,39		Medium
032526	DNMG110404E-2N	NL300	9,52	11,00	4,76	0,40	4,39		Medium
032527	DNMG110404E-2N	NL920	9,52	11,00	4,76	0,40	4,39		Medium
032528	DNMG110408E-2N	NL250	9,52	11,00	4,76	0,80	4,39		Medium
032529	DNMG110408E-2N	NL300	9,52	11,00	4,76	0,80	4,39		Medium
032530	DNMG110408E-2N	NL920	9,52	11,00	4,76	0,80	4,39		Medium

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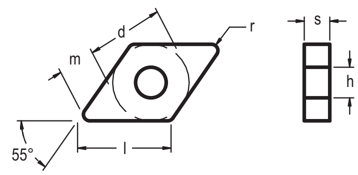
Material Guide – Key to Recommended Inserts

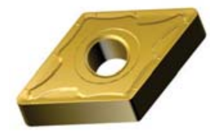
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

DNMG

2N Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032531	DNMG150404E-2N	NL250	12,70	15,50	4,76	0,40	5,16		Medium
032532	DNMG150404E-2N	NL300	12,70	15,50	4,76	0,40	5,16		Medium
032533	DNMG150404E-2N	NL920	12,70	15,50	4,76	0,40	5,16		Medium
032534	DNMG150408E-2N	NL250	12,70	15,50	4,76	0,80	5,16		Medium
032535	DNMG150408E-2N	NL300	12,70	15,50	4,76	0,80	5,16		Medium
032536	DNMG150408E-2N	NL920	12,70	15,50	4,76	0,80	5,16		Medium
032537	DNMG150412E-2N	NL250	12,70	15,50	4,76	1,20	5,16		Medium
034472	DNMG150412E-2N	NL300	12,70	15,50	4,76	1,20	5,16		Medium
032539	DNMG150604E-2N	NL250	12,70	15,50	6,35	0,40	5,16		Medium
032540	DNMG150604E-2N	NL300	12,70	15,50	6,35	0,40	5,16		Medium
032541	DNMG150604E-2N	NL920	12,70	15,50	6,35	0,40	5,16		Medium
032542	DNMG150608E-2N	NL250	12,70	15,50	6,35	0,80	5,16		Medium
032543	DNMG150608E-2N	NL300	12,70	15,50	6,35	0,80	5,16		Medium
032544	DNMG150608E-2N	NL920	12,70	15,50	6,35	0,80	5,16		Medium
032545	DNMG150612E-2N	NL250	12,70	15,50	6,35	1,20	5,16		Medium
032546	DNMG150612E-2N	NL300	12,70	15,50	6,35	1,20	5,16		Medium
032547	DNMG150612E-2N	NL920	12,70	15,50	6,35	1,20	5,16		Medium

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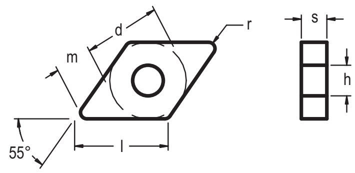
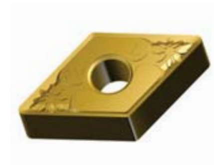
Material Designation

P	P	M	M	K	N	S	H
Unalloyed Steels	Alloyed Steels	Stainless Steels	PH Stainless	Cast Irons	Aluminum & Alloys	High Temp. Alloys	Hard Materials

DNMG
3J Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032548	DNMG110404E-3J	SP4019	9,52	11,00	4,76	0,40	4,39		Medium
032549	DNMG110408E-3J	SP4019	9,52	11,00	4,76	0,80	4,39		Medium
032550	DNMG150404E-3J	SP4019	12,70	15,50	4,76	0,40	5,16		Medium
032551	DNMG150408E-3J	SP4019	12,70	15,50	4,76	0,80	5,16		Medium
032552	DNMG150412E-3J	SP4019	12,70	15,50	4,76	1,20	5,16		Medium
032553	DNMG150604E-3J	SP4019	12,70	15,50	6,35	0,40	5,16		Medium
032554	DNMG150608E-3J	SP4019	12,70	15,50	6,35	0,80	5,16		Medium
032555	DNMG150612E-3J	SP4019	12,70	15,50	6,35	1,20	5,16		Medium

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Material Guide – Key to Recommended Inserts

Material Designation

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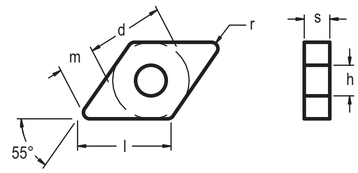
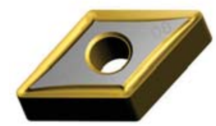
Stellram®
Cutting Tool Systems

DNMG

4E Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
030516	DNMG150404E-4E	SP0819	12,70	15,50	4,76	0,40	5,16		Medium-Roughing
030517	DNMG150408E-4E	SP0819	12,70	15,50	4,76	0,80	5,16		Medium-Roughing
032556	DNMG150408E-4E	NL400	12,70	15,50	4,76	0,80	5,16		Medium-Roughing
030518	DNMG150412E-4E	SP0819	12,70	15,50	4,76	1,20	5,16		Medium-Roughing
032557	DNMG150412E-4E	NL400	12,70	15,50	4,76	1,20	5,16		Medium-Roughing
030524	DNMG150604E-4E	SP0819	12,70	15,50	6,35	0,40	5,16		Medium-Roughing
030525	DNMG150608E-4E	SP0819	12,70	15,50	6,35	0,80	5,16		Medium-Roughing
032558	DNMG150608E-4E	NL400	12,70	15,50	6,35	0,80	5,16		Medium-Roughing
030526	DNMG150612E-4E	SP0819	12,70	15,50	6,35	1,20	5,16		Medium-Roughing
032559	DNMG150612E-4E	NL400	12,70	15,50	6,35	1,20	5,16		Medium-Roughing

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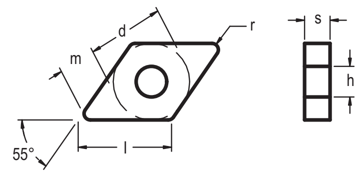
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

DNMG
4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032560	DNMG150404E-4T	NL250	12,70	15,50	4,76	0,40	5,16		Roughing
032561	DNMG150404E-4T	NL300	12,70	15,50	4,76	0,40	5,16		Roughing
032562	DNMG150404E-4T	NL400	12,70	15,50	4,76	0,40	5,16		Roughing
032563	DNMG150404E-4T	NL920	12,70	15,50	4,76	0,40	5,16		Roughing
032564	DNMG150408E-4T	NL250	12,70	15,50	4,76	0,80	5,16		Roughing
032565	DNMG150408E-4T	NL300	12,70	15,50	4,76	0,80	5,16		Roughing
032566	DNMG150408E-4T	NL400	12,70	15,50	4,76	0,80	5,16		Roughing
032567	DNMG150408E-4T	NL920	12,70	15,50	4,76	0,80	5,16		Roughing
032568	DNMG150412E-4T	NL250	12,70	15,50	4,76	1,20	5,16		Roughing
032569	DNMG150412E-4T	NL300	12,70	15,50	4,76	1,20	5,16		Roughing
032570	DNMG150412E-4T	NL400	12,70	15,50	4,76	1,20	5,16		Roughing
032571	DNMG150412E-4T	NL920	12,70	15,50	4,76	1,20	5,16		Roughing
032572	DNMG150604E-4T	NL250	12,70	15,50	6,35	0,40	5,16		Roughing
032573	DNMG150604E-4T	NL300	12,70	15,50	6,35	0,40	5,16		Roughing
032574	DNMG150604E-4T	NL400	12,70	15,50	6,35	0,40	5,16		Roughing
032575	DNMG150604E-4T	NL920	12,70	15,50	6,35	0,40	5,16		Roughing
032576	DNMG150608E-4T	NL250	12,70	15,50	6,35	0,80	5,16		Roughing
032577	DNMG150608E-4T	NL300	12,70	15,50	6,35	0,80	5,16		Roughing
032578	DNMG150608E-4T	NL400	12,70	15,50	6,35	0,80	5,16		Roughing
032579	DNMG150608E-4T	NL920	12,70	15,50	6,35	0,80	5,16		Roughing

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Material Designation

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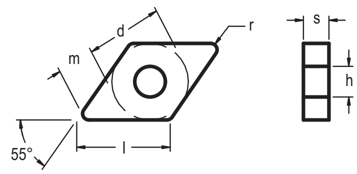
Stellram®
Cutting Tool Systems

DNMG
4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032580	DNMG150612E-4T	NL250	12,70	15,50	6,35	1,20	5,16		Roughing
032581	DNMG150612E-4T	NL300	12,70	15,50	6,35	1,20	5,16		Roughing
032582	DNMG150612E-4T	NL400	12,70	15,50	6,35	1,20	5,16		Roughing
032583	DNMG150612E-4T	NL920	12,70	15,50	6,35	1,20	5,16		Roughing
032584	DNMG190608E-4T	NL250	15,88	19,40	6,35	0,80	6,35		Roughing
032585	DNMG190608E-4T	NL300	15,88	19,40	6,35	0,80	6,35		Roughing
032586	DNMG190608E-4T	NL400	15,88	19,40	6,35	0,80	6,35		Roughing
032587	DNMG190608E-4T	NL920	15,88	19,40	6,35	0,80	6,35		Roughing
032588	DNMG190612E-4T	NL250	15,88	19,40	6,35	1,20	6,35		Roughing
032589	DNMG190612E-4T	NL300	15,88	19,40	6,35	1,20	6,35		Roughing
032590	DNMG190612E-4T	NL400	15,88	19,40	6,35	1,20	6,35		Roughing
032591	DNMG190612E-4T	NL920	15,88	19,40	6,35	1,20	6,35		Roughing

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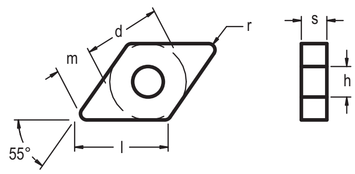
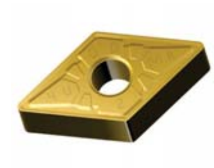
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

DNMG

4U Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032592	DNMG150408E-4U	NL200	12,70	15,50	4,76	0,80	5,16		Roughing
032593	DNMG150412E-4U	NL200	12,70	15,50	4,76	1,20	5,16		Roughing
032594	DNMG150608E-4U	NL200	12,70	15,50	6,35	0,80	5,16		Roughing
032595	DNMG150612E-4U	NL200	12,70	15,50	6,35	1,20	5,16		Roughing

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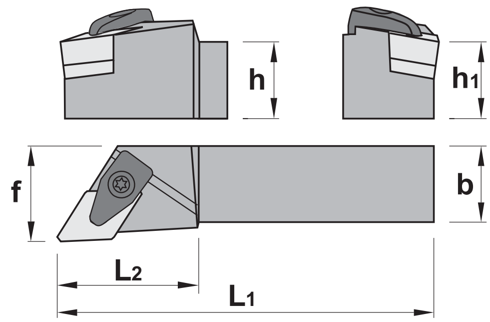
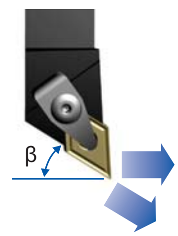
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

DDJN 93°



EDP	Item Description	Hand	Insert Sizes	Dimensions (mm) h = h1	b	f	L1	L2
DDJN LH & RH External Square Shank Toolholders								
033306	DDJNL 2020 K 11	LH	DN_1104	20	20	25	125	34
033307	DDJNL 2525 M11	LH	DN_1104	25	25	32	150	34
033308	DDJNR 2020 K11	RH	DN_1104	20	20	25	125	34
033309	DDJNR 2525 M11	RH	DN_1104	25	25	32	150	34
033310	DDJNL 2020 K 15	LH	DN_1506	20	20	25	125	38
033311	DDJNL 2525 M15	LH	DN_1506	25	25	32	150	38
033312	DDJNL 3232 P15	LH	DN_1506	32	32	40	170	38
033313	DDJNR 2020 K15	RH	DN_1506	20	20	25	125	38
033314	DDJNR 2525 M15	RH	DN_1506	25	25	32	150	38
033315	DDJNR 3232 P15	RH	DN_1506	32	32	40	170	38



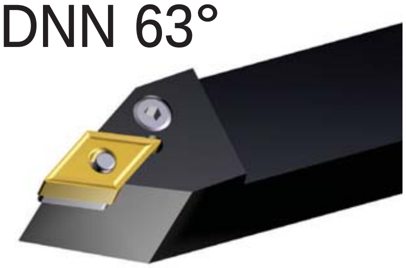
D Style External Toolholder
for Negative Inserts:
DN_1104 & DN_1506
Application: Turn and Profile
Axial Approach 93°
Axial -6,25
Radial -6,75
Profiling Clearance Angle β = 29°
RH Holder Shown

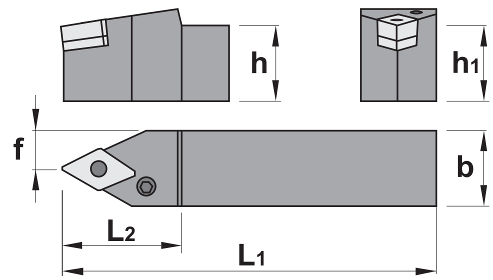
DDJNL/R Spare Parts

Item Description	*Clamp Screw EDP*		*Clamp EDP*		*Clamp Spring EDP*		*Anvil EDP*		*Anvil Screw EDP*		*Clamp & Anvil Screw Key*	
DDJNL/R 2020 K11 DDJNL/R 2525 M11	*033711*	1695	*033709*	DC2708	*033720*	4294	*034496*	IDSN322	*033718*	1764	*018286*	KH5003
DDJNL/R 2020 K15 DDJNL/R 2525 M15 DDJNL/R 3232 P15	*033710*	1696	*033707*	DC2712	*033719*	4295	*001689*	IDSN433	*033716*	1766	*018287*	KH5004

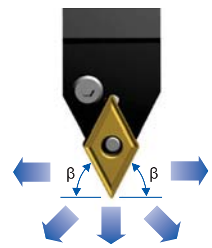
Stellram®
Cutting Tool Systems

PDNN 63°





PDNN External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
017140	PDNN N 2020 K15	Neutral	DN_1506	20	20	10	125	34
017142	PDNN N 2525 M15	Neutral	DN_1506	25	25	12,5	150	34
017144	PDNN N 3232 P15	Neutral	DN_1506	32	32	16	170	34

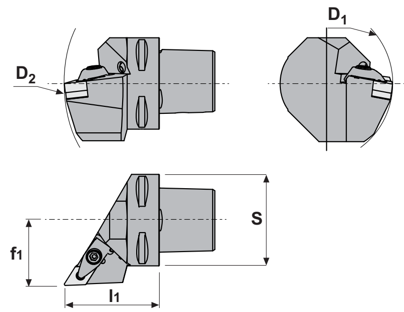


P Style External Toolholder
for Negative Inserts: DN_1506
Application: External Plunge, Turn & Profile
Axial Approach 63°
Axial -8°
Radial -2,5°
Profiling Clearance Angle β = 59.5°
Neutral Holder Shown

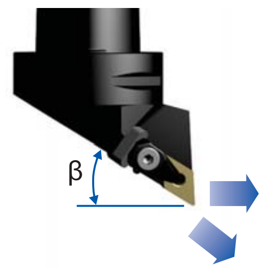
PDNN Spare Parts												
Item Description	*Lever EDP*		*Lever Screw EDP*		*Anvil EDP*		*Anvil Clip EDP*		*Clip Punch EDP*		*Key EDP*	
PDNN N 2020 K15 PDNN N 2525 M15 PDNN N 3232 P15	*017444*	PL8415	*017499*	PLS1638	*017459*	PA3715	*017453*	PC4112	*028054*	PCP0012	*018286*	KH5003

Stellram®
Cutting Tool Systems

DDJN 93°



DDJN LH & RH External PSC Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				S	D1	D2	f1	l1
033697	C5-50-DDJNL35060-15	LH	DN_1506	50	110	165	35	60
033698	C5-50-DDJNR35060-15	RH	DN_1506	50	110	165	35	60
033699	C6-63-DDJNL45065-15	LH	DN_1506	63	110	190	45	65
033700	C6-63-DDJNR45065-15	RH	DN_1506	63	110	190	45	65

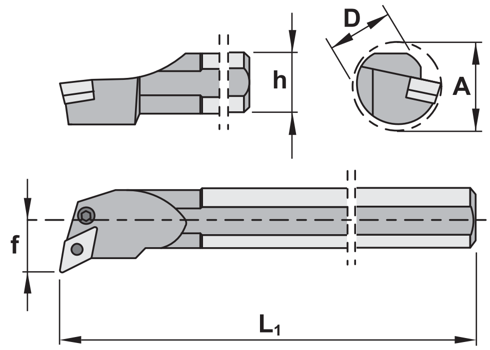


D Style External Toolholder
for Negative Inserts:
DN_1506
Application: External Profile Turn O/D
Approach 93
Axial -6°
Radial -7°
Profilling Clearance Angle β= 27°
RH Holder Shown

DDJNL/R Spare Parts												
Item Description	*Clamp EDP*		*Clamp Screw EDP*		*Anvil EDP*		*Anvil Screw EDP*		*Clamp Spring EDP*		*Screw Key EDP*	
C5-50-DDJNL/R 35060-15	*033707*	2712	*033710*	1696	*033713*	IDSN432	*033716*	1766	*033719*	4295	*018287*	KH5004
C6-63-DDJNL/R 45065-15												

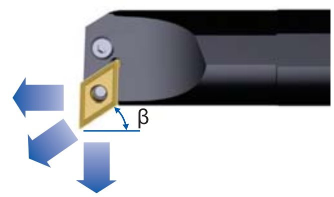
Stellram®
Cutting Tool Systems

A..PDUN 93°



A..PDUN LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L_1	h	Through Coolant
033334	A25R PDUNL 11	LH	DN_1104	31	25	17	200	23	💧
033335	A25R PDUNR 11	RH	DN_1104	31	25	17	200	23	💧
033336	A32S PDUNL 15	LH	DN_1506	39	32	22	250	30	💧
033337	A40T PDUNL 15	LH	DN_1506	48	40	27	300	37	💧
033338	A32S PDUNR 15	RH	DN_1506	39	32	22	250	30	💧
033339	A40T PDUNR 15	RH	DN_1506	48	40	27	300	37	💧

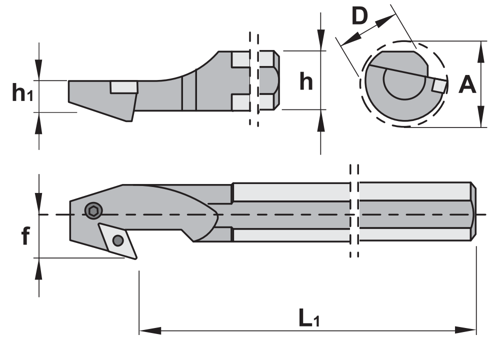


P Style Boring Bar
for Negative Inserts:
DN_1104 & DN_1506
Application: Bore and profile
Axial Approach 93°
Axial -6°
Radial -14°
Profiling Clearance Angle β= 29°
RH Bar Shown

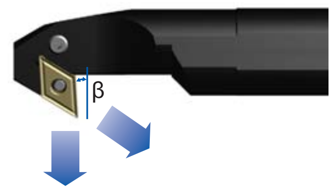
A..PDUNL/R Spare Parts

Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
A25R PDUNL/R 11	017442	PL8009	017447	PLS1606	028375	PA3711	000000	PC4109	028053	PCP0009	018285	KH5025
A32S PDUNL/R 15 A40T PDUNL/R 15	017444	PL8415	022625	PLS1648	017459	PA3715	017453	PC4112	028054	PCP0012	018286	KH5003

S..PDUN 93°-EX



S..PDUN LH & RH Internal Boring Bars										
				Dimensions (mm)						
EDP	Item Description	Hand	Insert Sizes	Min Bore Ø A	ØD	f	L_1	h	h_1	Through Coolant
033346	S32U PDUNL 15-EX	LH	DN_1506	39	32	22	350	30	15	
033347	S40V PDUNL 15-EX	LH	DN_1506	48	40	27	400	37	18,5	
033348	S32U PDUNR 15-EX	RH	DN_1506	39	32	22	350	30	15	
033349	S40V PDUNR 15-EX	RH	DN_1506	48	40	27	400	37	18,5	

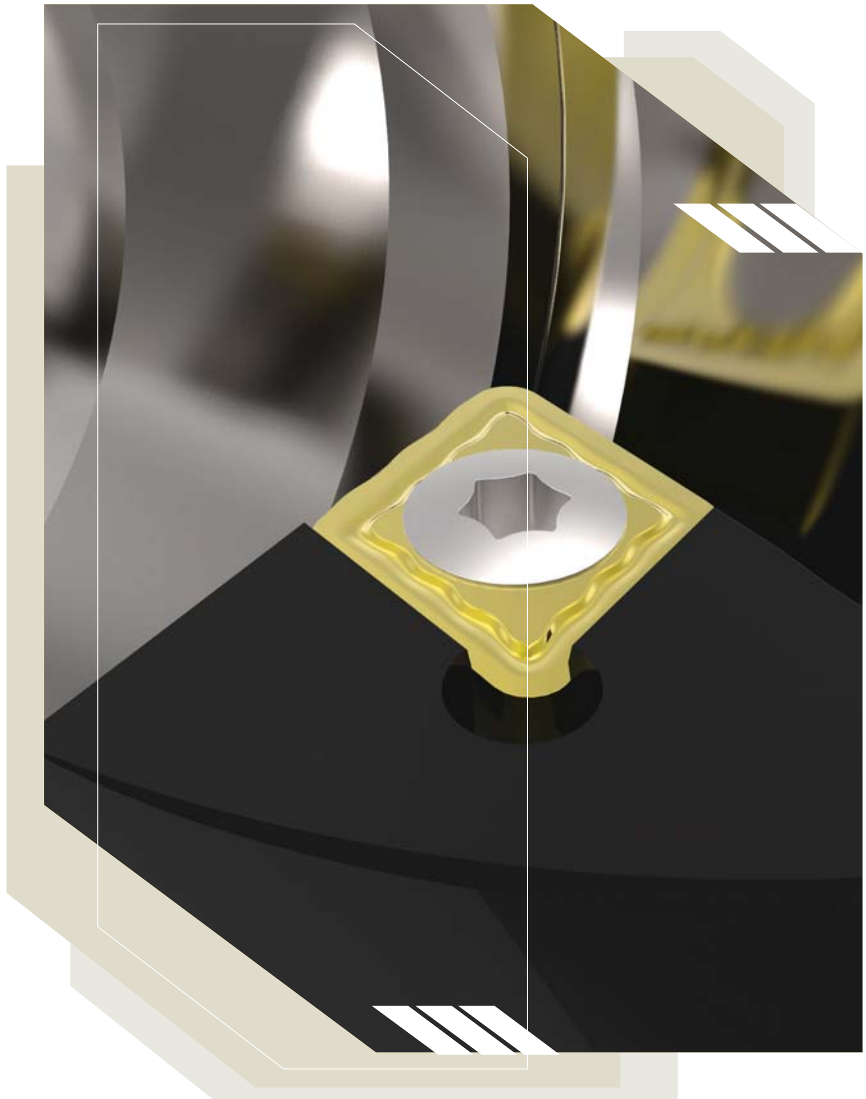


P Style Internal Boring Bar
Negative Inserts: DN_1506
Application: Internal Back Boring & Profiling
Axial Approach 93°
Profiling Clearance Angle β = 29°
RH Bar Shown

S..PDUNL/R -EX Spare Parts												
Item Description	*Lever EDP*		*Lever Screw EDP*		*Anvil EDP*		*Anvil Clip EDP*		*Clip Punch EDP*		*Key EDP*	
S32U PDUNL/R 15-EX	*017444*	PL8415	*022625*	PLS1648	-	-	-	-	-	-	*018286*	KH5003
S40V PDUNL/R 15-EX			*017499*	PLS1638	*017459*	PA3715	*017453*	PC4112	*028054*	PCP0012		

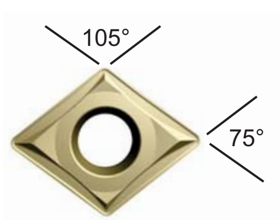
E Style

ATI Stellram's Posicut® range of positive inserts and holders, along with the Poismatic® range for small part machining for medical and watchmaker components.



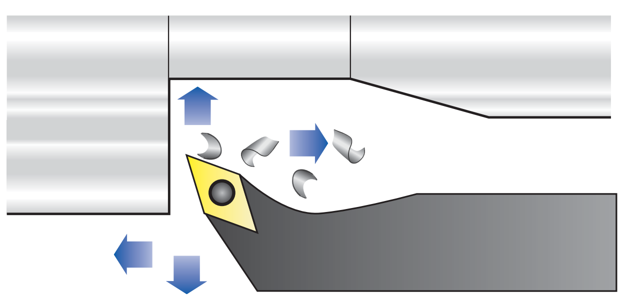
The "E" Style Program, developed exclusively by ATI Stellram:

With the 75° inclusive cutting angle this gives the "E" inserts an advantage over the "C" style inserts, allowing for greater radial clearance between the work piece and insert for profiling and chip evacuation. Also improves insert location with a more secure pocket design whilst not compromising insert edge strength.

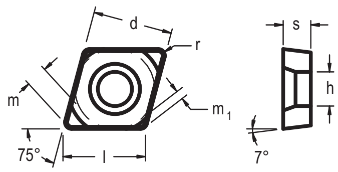


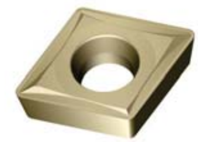
ATI Stellram Posicut™ The worlds first, for screw-on inserts

E" Style Inserts in combination with the Stellram Boring Bar's give greater radial clearance, and with the improved design of Insert and Boring Bar, allows for greater profiling capability and chip evacuation.



ECMT
-73 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
034429	ECMT09T304E-73	NL300	9,52	9,85	3,97	0,40	4,40		Medium
034456	ECMT09T308E-73	NL300	9,52	9,85	3,97	0,80	4,40		Medium
032295	ECMT12T304E-73	SP4019	12,00	12,40	3,97	0,40	5,40		Medium
032598	ECMT12T304E-73	NL300	12,00	12,40	3,97	0,40	5,40		Medium
032599	ECMT12T304E-73	NL920	12,00	12,40	3,97	0,40	5,40		Medium
032296	ECMT12T308E-73	SP4019	12,00	12,40	3,97	0,80	5,40		Medium
032600	ECMT12T308E-73	NL300	12,00	12,40	3,97	0,80	5,40		Medium
032601	ECMT12T308E-73	NL920	12,00	12,40	3,97	0,80	5,40		Medium
032602	ECMT12T312E-73	NL300	12,00	12,40	3,97	1,20	5,40		Medium
032603	ECMT12T312E-73	NL920	12,00	12,40	3,97	1,20	5,40		Medium
032604	ECMT16M608E-73	NL300	15,88	16,40	6,00	0,80	6,40		Medium
032605	ECMT16M608E-73	NL920	15,88	16,40	6,00	0,80	6,40		Medium
032606	ECMT16M612E-73	NL300	15,88	16,40	6,00	1,20	6,40		Medium
032607	ECMT16M612E-73	NL920	15,88	16,40	6,00	1,20	6,40		Medium

For Toolholders External: see pages 97 - 102 | Internal: see pages 103 - 105

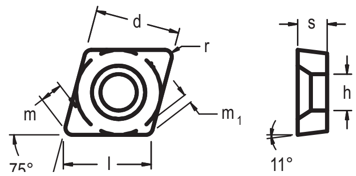
Material Guide – Key to Recommended Inserts

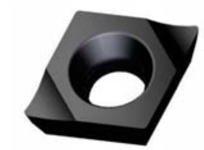
Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

Stellram®
Cutting Tool Systems

EPEX
-15 Geometry

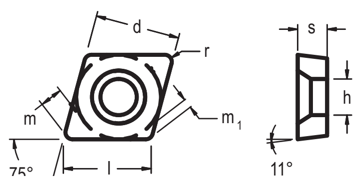


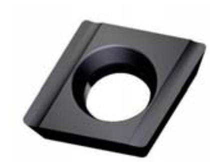


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
022212	EPEX040202F-15	GH1	4,76	4,93	2,38	0,20	2,30		Finishing
032608	EPEX040202F-15	SP4019	4,76	4,93	2,38	0,20	2,30		Finishing
032609	EPEX060202F-15	GH1	6,35	6,54	2,38	0,20	2,80		Finishing
032610	EPEX060202F-15	SP4019	6,35	6,54	2,38	0,20	2,80		Finishing

For Toolholders External: see pages 97 - 102 | Internal: see pages 103 - 105

EPEX





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032611	EPEX060202FL	SP4019	6,35	6,54	2,38	0,20	2,80		Medium
032612	EPEX060202FR	SP4019	6,35	6,54	2,38	0,20	2,80		Medium
017378	EPEX060202FL	GH1	6,35	6,54	2,38	0,20	2,80		Medium
018118	EPEX060202FR	GH1	6,35	6,54	2,38	0,20	2,80		Medium
032613	EPEX060204FL	SP4019	6,35	6,54	2,38	0,40	2,80		Medium
034460	EPEX060204FR	SP4019	6,35	6,54	2,38	0,40	2,80		Medium
017280	EPEX060204FL	GH1	6,35	6,54	2,38	0,40	2,80		Medium
017387	EPEX060204FR	GH1	6,35	6,54	2,38	0,40	2,80		Medium

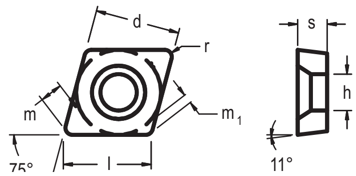
For Toolholders External: see pages 97 - 102 | Internal: see pages 103 - 105

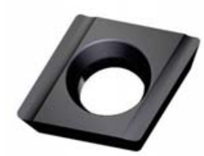
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

EPEX





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
034592	EPEX08M3005FL	SP4019	8.00	8.20	3.00	0.05	4.20		Medium
034593	EPEX08M3005FR	SP4019	8.00	8.20	3.00	0.05	4.20		Medium
034594	EPEX08M3005FL	GH1	8.00	8.20	3.00	0.05	4.20		Medium
034595	EPEX08M3005FR	GH1	8.00	8.20	3.00	0.05	4.20		Medium
032310	EPEX08M301FL	SP4019	8.00	8.20	3.00	0.10	4.20		Medium
032618	EPEX08M301FR	SP4019	8.00	8.20	3.00	0.10	4.20		Medium
032619	EPEX08M301FL	GH1	8.00	8.20	3.00	0.10	4.20		Medium
032620	EPEX08M301FR	GH1	8.00	8.20	3.00	0.10	4.20		Medium
032306	EPEX08M302FL	SP4019	8.00	8.20	3.00	0.20	4.20		Medium
032304	EPEX08M302FR	SP4019	8.00	8.20	3.00	0.20	4.20		Medium
017853	EPEX08M302FL	GH1	8.00	8.20	3.00	0.20	4.20		Medium
017854	EPEX08M302FR	GH1	8.00	8.20	3.00	0.20	4.20		Medium
032312	EPEX08M304FL	SP4019	8.00	8.20	3.00	0.40	4.20		Medium
032311	EPEX08M304FR	SP4019	8.00	8.20	3.00	0.40	4.20		Medium

For Toolholders External: see pages 129 - 135 | Internal: see pages 136 - 139

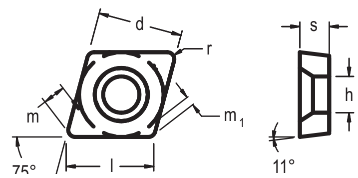
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

EPGT
-62 Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031612	EPGT040201E-62	SP4019	4,76	4,93	2,38	0,10	2,30		Finishing
030585	EPGT040202E-62	SP4019	4,76	4,93	2,38	0,20	2,30		Finishing
030586	EPGT040204E-62	SP4019	4,76	4,93	2,38	0,40	2,30		Finishing
030587	EPGT060202E-62	SP4019	6,35	6,54	2,38	0,20	2,80		Finishing
030588	EPGT060204E-62	SP4019	6,35	6,54	2,38	0,40	2,80		Finishing
030590	EPGT08M301E-62	SP4019	8,00	8,20	3,00	0,10	4,20		Finishing
030591	EPGT08M302E-62	SP4019	8,00	8,20	3,00	0,20	4,20		Finishing
030592	EPGT08M304E-62	SP4019	8,00	8,20	3,00	0,40	4,20		Finishing
030593	EPGT08M308E-62	SP4019	8,00	8,20	3,00	0,80	4,20		Finishing
031403	EPGX08M3005E-62	SP4019	8,00	8,20	3,00	0,05	4,20		Finishing

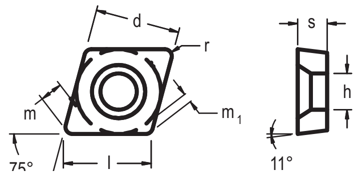
For Toolholders External: see pages 97 - 102 | Internal: see pages 103 - 105

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

EPMT



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032299	EPMT060202E	SP4019	6,35	6,54	2,38	0,20	2,80		Medium
032622	EPMT060202E	NL300	6,35	6,54	2,38	0,20	2,80		Medium
018135	EPMT060204E	GH1	6,35	6,54	2,38	0,40	2,80		Medium
032274	EPMT060204E	SP4019	6,35	6,54	2,38	0,40	2,80		Medium
032623	EPMT060204E	NL300	6,35	6,54	2,38	0,40	2,80		Medium
034464	EPMT060204E	NL920	6,35	6,54	2,38	0,40	2,80		Medium
018142	EPMT08M302E	GH1	8,00	8,20	3,00	0,20	4,20		Medium
032286	EPMT08M302E	SP4019	8,00	8,20	3,00	0,20	4,20		Medium
032624	EPMT08M302E	NL300	8,00	8,20	3,00	0,20	4,20		Medium
017335	EPMT08M304E	GH1	8,00	8,20	3,00	0,40	4,20		Medium
032275	EPMT08M304E	SP4019	8,00	8,20	3,00	0,40	4,20		Medium
032625	EPMT08M304E	NL300	8,00	8,20	3,00	0,40	4,20		Medium
034589	EPMT08M304E	NL920	8,00	8,20	3,00	0,40	4,20		Medium
018156	EPMT08M308E	GH1	8,00	8,20	3,00	0,80	4,20		Medium
032290	EPMT08M308E	SP4019	8,00	8,20	3,00	0,80	4,20		Medium
032626	EPMT08M308E	NL300	8,00	8,20	3,00	0,80	4,20		Medium
034590	EPMT08M308E	NL920	8,00	8,20	3,00	0,80	4,20		Medium

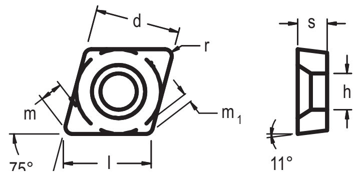
For Toolholders External: see pages 97 - 102 | Internal: see pages 103 - 105

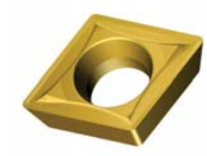
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

EPMT
-73 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032279	EPMT08M302E-73	SP4019	8,00	8,20	3,00	0,20	4,20		Medium
032627	EPMT08M302E-73	NL300	8,00	8,20	3,00	0,20	4,20		Medium
031245	EPMT08M304E-73	SP4019	8,00	8,20	3,00	0,40	4,20		Medium
032628	EPMT08M304E-73	NL300	8,00	8,20	3,00	0,40	4,20		Medium
032629	EPMT08M304E-73	NL920	8,00	8,20	3,00	0,40	4,20		Medium
032287	EPMT08M308E-73	SP4019	8,00	8,20	3,00	0,80	4,20		Medium
032630	EPMT08M308E-73	NL300	8,00	8,20	3,00	0,80	4,20		Medium
032631	EPMT08M308E-73	NL920	8,00	8,20	3,00	0,80	4,20		Medium

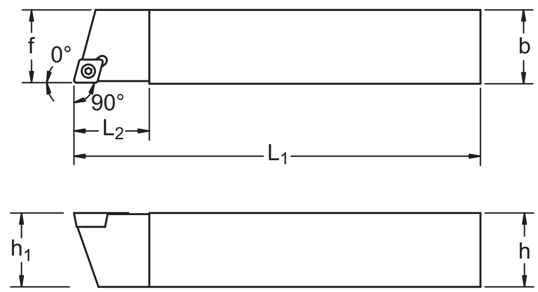
For Toolholders External: see pages 97 - 102 | Internal: see pages 103 - 105

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

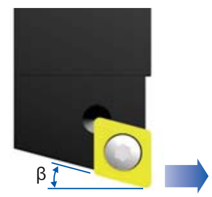
SEAP 90°



Inserts - EPGT08M3 & EPMT08M3

SEAP LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
018024	SEAPL 1010 M08	LH	EP_08M3	10	10	10	150	16
018025	SEAPL 1212 M08	LH	EP_08M3	12	12	12	150	16
025044	SEAPL 1616 M08	LH	EP_08M3	16	16	16	150	16
025046	SEAPL 2020 K08	LH	EP_08M3	20	20	20	125	16
018027	SEAPR 1010 M08	RH	EP_08M3	10	10	10	150	16
018028	SEAPR 1212 M08	RH	EP_08M3	12	12	12	150	16
025043	SEAPR 1616 M08	RH	EP_08M3	16	16	16	150	16
025045	SEAPR 2020 K08	RH	EP_08M3	20	20	20	125	16

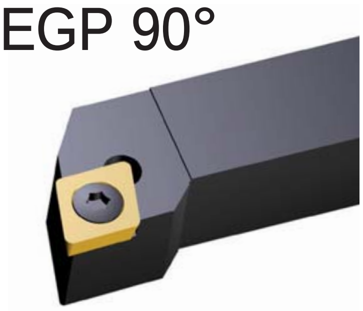


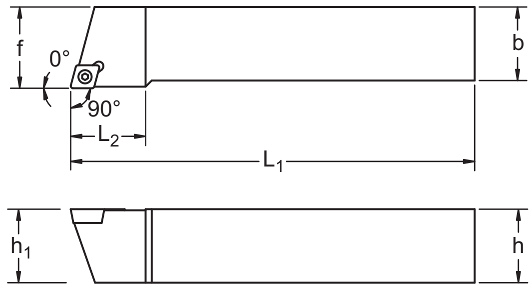
S Style External Toolholder
for Positive Inserts: EP_08M3
Application: Face, Turning and Profile
Approach 90°
Axial: 0°
Radial 0°
Profilling Clearance Angle β = 12°
RH Holder Shown

SEAPL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SEAPL/R 1010 E06	017032	A3006T	013214	T9	-	-	-	-
SEAPL/R 1212 F09								
SEAPL/R 1616 H09								
SEAPL/R 2020 K09								

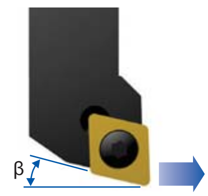
SEGP 90°





Inserts - EPGT08M3 & EPMT08M3

SEGP LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
018087	SEGPL 0808 F08	LH	EP_08M3	8	8	11	80	14
017987	SEGPL 1010 F08	LH	EP_08M3	10	10	12	80	14
018077	SEGPL 1212 F08	LH	EP_08M3	12	12	16	80	16
018078	SEGPR 0808 F08	RH	EP_08M3	8	8	11	80	14
018079	SEGPR 1010 F08	RH	EP_08M3	10	10	12	80	14
018080	SEGPR 1212 F08	RH	EP_08M3	12	12	16	80	16



S Style External Toolholder
for Positive Inserts: EP_08M3
Application: Face, Turning and Profile
Approach 90°
Axial: 0°
Radial 0°
Profilling Clearance Angle β = 12°
RH Holder Shown

SEGPL/R Spare Parts								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SEGPL/R 0808 F08 SEGPL/R 1010 F08 SEGPL/R 1212 F08	*017032*	A3006T	*013214*	T9	-	-	-	-

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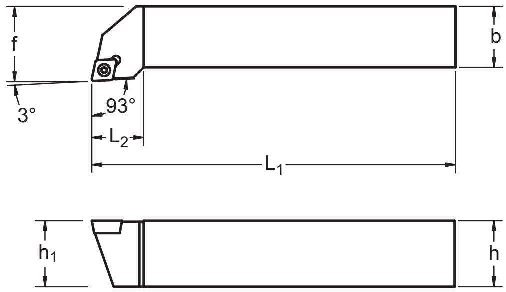
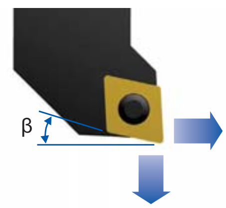
Cutting Tool Systems

SEJC 93°



Inserts - EPMT16M6

SEJC LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h_1	b	f	L_1	L_2
028581	SEJCL 2525 M16	LH	EC_16M6	25	25	32	150	28
028582	SEJCR 2525 M16	RH	EC_16M6	25	25	32	150	28

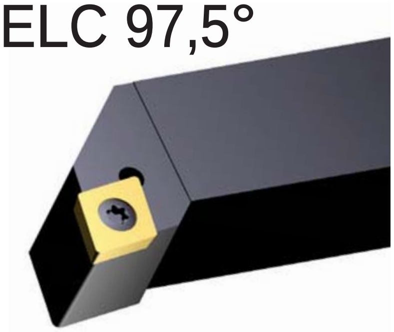


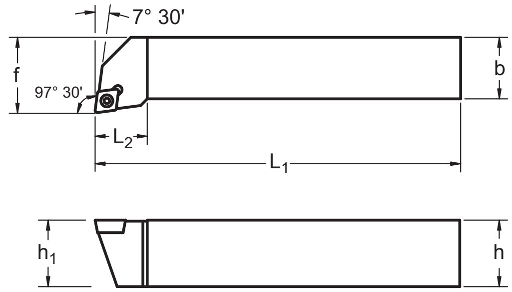
S Style External Toolholder
for Positive Inserts: EC_16M6
Application: Face, Turning and Profile
Approach 93°
Axial: 0°
Radial 0°
Profilling Clearance Angle β = 9°
RH Holder Shown

SEJCL/R Spare Parts (mm)								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SEJCL/R 2525 M16	*023081*	A5025T	*015241*	T20	-	-	-	-

Stellram®
Cutting Tool Systems

SELC 97,5°

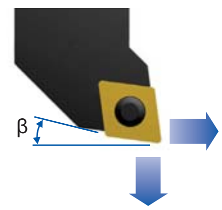




Inserts - ECMT12T3

SELC LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
018082	SELCL 2020 K12	LH	EC_12T3	20	20	25	125	22
018083	SELCL 2525 M12	LH	EC_12T3	25	25	32	150	28
018085	SELCR 2020 K12	RH	EC_12T3	20	20	25	125	22
018086	SELCR 2525 M12	RH	EC_12T3	25	25	32	150	28



S Style External Toolholder
for Positive Inserts: EC_12T3
Application: Face, Turning and Profile
Approach 97,5°
Axial: 0°
Radial 0°
Profilling Clearance Angle β = 4,5°
RH Holder Shown

SELCL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SELCL/R 2020 K12 SELCL/R 2525 M12	034500	1540	034577	K5517	029091	SA3712	029095	1765

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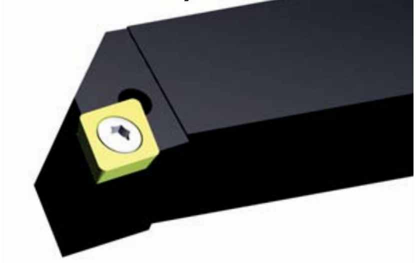
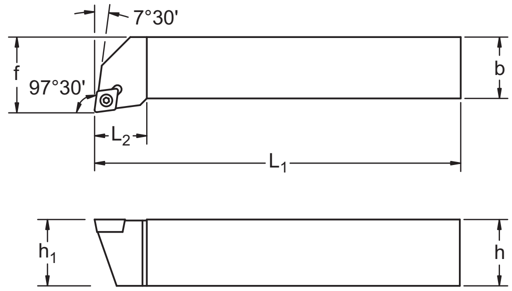
Cutting Tool Systems

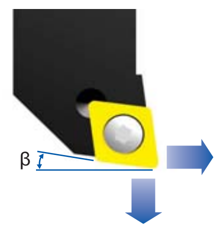
SELP 97,5°





Inserts - EPGT08M3 & EPMT08M3

SELP LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
018089	SELPL 1010 F08	LH	EP_08M3	10	10	12	80	14
018090	SELPL 1212 F08	LH	EP_08M3	12	12	16	80	16
018091	SELPL 1616 H08	LH	EP_08M3	16	16	20	100	18
018092	SELPL 2020 K08	LH	EP_08M3	20	20	25	125	22
018093	SELPL 2525 M08	LH	EP_08M3	25	25	32	150	28
018094	SELPR 1010 F08	RH	EP_08M3	10	10	12	80	14
018095	SELPR 1212 F08	RH	EP_08M3	12	12	16	80	16
018096	SELPR 1616 H08	RH	EP_08M3	16	16	20	100	18
018097	SELPR 2020 K08	RH	EP_08M3	20	20	25	125	22
018098	SELPR 2525 M08	RH	EP_08M3	25	25	32	150	28



S Style External Toolholder
for Positive Inserts: EP_08M3
Application: Face, Turning and Profile
Approach 97,5°
Axial: 0°
Radial 0°
Profilling Clearance Angle β = 4,5°
RH Holder Shown

SELPL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SELPL/R 1010 F08	017032	A3006T	013214	T9	-	-	-	-
SELPL/R 1212 F08								
SELPL/R 1616 H08								
SELPL/R 2020 K08								
SELPL/R 2525 M08								

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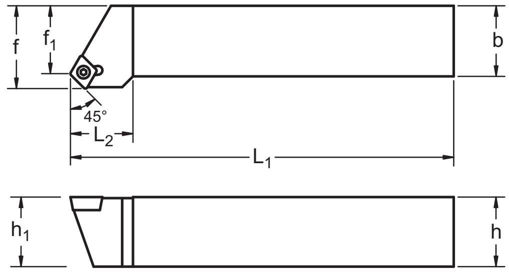
Cutting Tool Systems

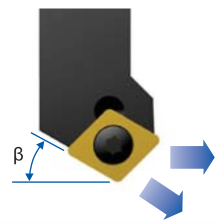
SESP 45°



Inserts - EPGT08M3 & EPMT8M3

SESP LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h_1	b	f	L_1	L_2
018099	SESPL 1010 F08	LH	EP_08M3	10	10	13,6	80	14
018100	SESPL 1212 F08	LH	EP_08M3	12	12	16	80	16
018101	SESPR 1010 F08	RH	EP_08M3	10	10	13,6	80	14
018102	SESPR 1212 F08	RH	EP_08M3	12	12	16	80	16



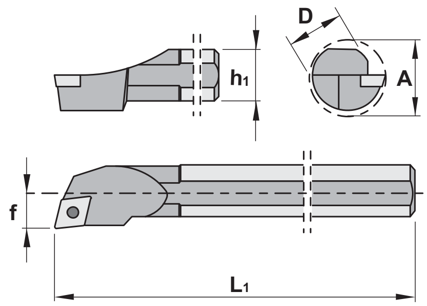
S Style External Toolholder
Positive Inserts: EP_08M3
Application: Turning and Profile
Approach 45°
Axial: 0°
Radial 0°
Profilling Clearance Angle β = 34°
RH Holder Shown

SESPL/R Spare Parts

Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SESPL/R 1010 F08 SESPL/R 1212 F08	*017032*	A3006T	*013214*	T9	-	-	-	-

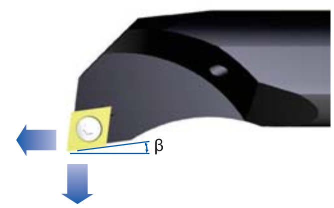
Stellram®
Cutting Tool Systems

A.. SELP 97,5°



Inserts - EPEX0402, EPGT0402, EPEX0602, EPGT0602, EPMT0602, EPEX08M3, EPGT08M3 and EPMT8M3

A.. SELP LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L_1	h_1	Through Coolant
018408	S06F SELPL 04	LH	EP_0402	8	6	4	80	4,2	
018397	A08H SELPL 04	LH	EP_0402	11	8	6	100	4	
018322	S06F SELPR 04	RH	EP_0402	8	6	4	80	4,2	
018315	A08H SELPR 04	RH	EP_0402	11	8	6	100	4	
018398	A08H SELPL 06	LH	EP_0602	11	8	6	100	4	
018399	A10K SELPL 06	LH	EP_0602	13	10	7	125	5	
018316	A08H SELPR 06	RH	EP_0602	11	8	6	100	4	
018401	A10K SELPR 06	RH	EP_0602	13	10	7	125	5	
018400	A10K SELPL 08	LH	EP_08M3	13	10	7	125	5	
018318	A12K SELPL 08	LH	EP_08M3	16	12	9	125	6	
018320	A16M SELPL 08	LH	EP_08M3	20	16	11	150	8	
018402	A20Q SELPL 08	LH	EP_08M3	24	20	13	180	10	
018404	A25R SELPL 08	LH	EP_08M3	31	25	17	200	12,5	
018317	A10K SELPR 08	RH	EP_08M3	13	10	7	125	5	
018319	A12K SELPR 08	RH	EP_08M3	16	12	9	125	6	
018321	A16M SELPR 08	RH	EP_08M3	20	16	11	150	8	
018403	A20Q SELPR 08	RH	EP_08M3	24	20	13	180	10	
018405	A25R SELPR 08	RH	EP_08M3	31	25	17	200	12,5	

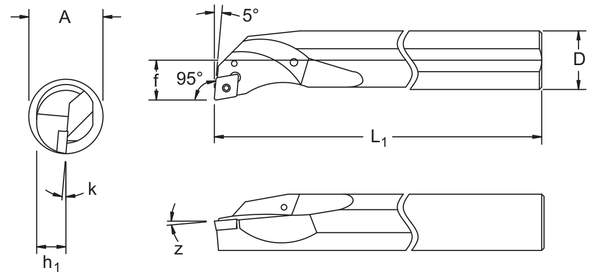


S Style Boring Bar
for Positive Inserts:
EP_0402, EP_0602, and EP_08M3
Application: Facing and I/D part profiling
Approach 97,5°
Axial 5°
Radial 3° - 5°
Profilling Clearance Angle β = 0°
RH Bar Shown

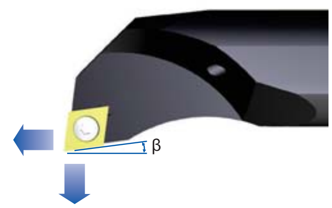
A.. SELPL/R Spare Part								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
S06F SELPL/R 04	*015059*	F2004T	*018487*	T6	-	-	-	-
A08H SELPL/R 04								
A/D08H SELPL/R 06	*015059*	F2505T	*018488*	T7	-	-	-	-
A10K SELPL/R 06								
A/D10K SELPL/R 08	*017032*	A3006T	*013214*	T9	-	-	-	-
A/D12K SELPL/R 08								
A/D16M SELPL/R 08								
A/D20Q SELPL/R 08								
A/D25R SELPL/R 08								

D.. SELP 97,5°

Anti-Vibration Bars



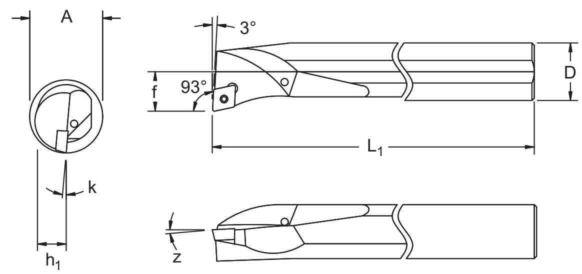
D.. SELP LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	h1	Through Coolant
023135	D08H SELPR 06	RH	EP_0602	11	8	6	100	4	
023137	D10K SELPR 08	RH	EP_08M3	13	10	7	125	5	
023139	D12K SELPR 08	RH	EP_08M3	16	12	9	125	6	
023141	D16M SELPR 08	RH	EP_08M3	20	16	11	150	8	
023143	D20Q SELPR 08	RH	EP_08M3	24	20	13	180	10	



S Style Boring Bar
for Positive Inserts:
EP_0402, EP_0602, and EP_08M3
Application: Facing and I/D part profiling
Approach 97,5°
Axial 5°
Radial 3° - 5°
Profilling Clearance Angle β = 0°
RH Bar Shown

A.. SELPL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
S06F SELPL/R 04 A08H SELPL/R 04	015059	F2004T	018487	T6	-	-	-	-
A/D08H SELPL/R 06 A10K SELPL/R 06	015059	F2505T	018488	T7	-	-	-	-
A/D10K SELPL/R 08 A/D12K SELPL/R 08 A/D16M SELPL/R 08 A/D20Q SELPL/R 08 A/D25R SELPL/R 08	017032	A3006T	013214	T9	-	-	-	-

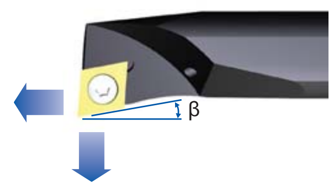
A.. SEUP 93°



Inserts - EPEX0402, EPGT0402, EPEX0602, EPGT0602, EPMT0602, EPEX08M3, EPGT08M3 and EPMT8M3

A.. SEUP LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L_1	h_1	Through Coolant
018324	S06F SEUPL 04	LH	EP_0402	8	6	4	80	4,2	
018325	S06F SEUPR 04	RH	EP_0402	8	6	4	80	4,2	
018409	A08H SEUPL 06	LH	EP_0602	11	8	6	100	4	
018410	A08H SEUPR 06	RH	EP_0602	11	8	6	100	4	
018412	A10K SEUPL 08	LH	EP_08M3	13	10	7	125	5	
018415	A12K SEUPL 08	LH	EP_08M3	16	12	9	125	6	
018414	A10K SEUPR 08	RH	EP_08M3	13	10	7	125	5	
018323	A12K SEUPR 08	RH	EP_08M3	16	12	9	125	6	



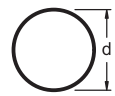
S Style Boring Bar
for Positive Inserts:
EP_0402, EP_0602, and EP_08M3
Application: Facing and I/D part profiling
Approach 93°
Axial 0° - 3°
Radial 5° - 10°
Profilling Clearance Angle β = 9°
RH Bar Shown

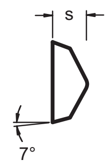
A.. SEUPL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
S06F SEUPL/R 04	015059	F2004T	018487	T6	-	-	-	-
A08H SEUPL/R 06	015059	F2505T	018488	T7	-	-	-	-
A10K SEUPL/R 08	017032	A3006T	013214	T9	-	-	-	-
A12K SEUPL/R 08								

Stellram®
Cutting Tool Systems

RCGX
Ceramics





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032338	RCGX060400 E010	SA6609	6,35	-	4,76	0,00	-	◆	Roughing
032339	RCGX090700 E010	SA6609	9,52	-	7,94	0,00	-	◆	Roughing
032340	RCGX120700 E010	SA6609	12,70	-	7,94	0,00	-	◆	Roughing

Note: For edge condition refer to Grade page 31

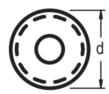
Material Guide – Key to Recommended Inserts

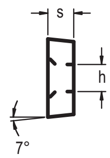
Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

Stellram® Cutting Tool Systems

RCMT
2N Geometry

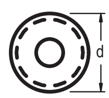


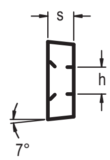


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032632	RCMT190600E-2N	NL920	19,05	-	6,35	-	6,50		Medium

For Toolholders External: see pages 109 - 110

RCMT





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032633	RCMT0602M0E	NL250	6,00	-	2,38	-	2,79		Medium
032634	RCMT0602M0E	NL920	6,00	-	2,38	-	2,79		Medium
032635	RCMT10T3M0E	NL250	10,00	-	3,97	-	4,39		Medium
032636	RCMT10T3M0E	NL400	10,00	-	3,97	-	4,39		Medium
032637	RCMT10T3M0E	NL920	10,00	-	3,97	-	4,39		Medium
032638	RCMT1204M0E	NL250	12,00	-	4,76	-	5,50		Medium
032639	RCMT1204M0E	NL400	12,00	-	4,76	-	5,50		Medium
032640	RCMT1204M0E	NL920	12,00	-	4,76	-	5,50		Medium
032641	RCMT1606M0E	NL300	15,88	-	6,35	-	5,51		Roughing
032642	RCMT1606M0E	NL400	15,88	-	6,35	-	5,51		Roughing
032643	RCMT1606M0E	NL920	15,88	-	6,35	-	5,51		Roughing

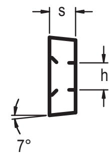
For Toolholders External: see pages 109 - 110

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · High Temp. Alloys · H Hard Materials

RCMT



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032644	RCMT2006M0E	NL300	20,00	-	6,35	-	6,50		Roughing
032645	RCMT2006M0E	NL400	20,00	-	6,35	-	6,50		Roughing
032646	RCMT2006M0E	NL920	20,00	-	6,35	-	6,50		Roughing
032647	RCMT2507M0S	NL300	25,00	-	7,94	-	7,11		Roughing
032648	RCMT2507M0S	NL400	25,00	-	7,94	-	7,11		Roughing
032649	RCMT2507M0S	NL920	25,00	-	7,94	-	7,11		Roughing
032650	RCMT3209M0S	NL400	32,00	-	9,53	-	9,52		Roughing
032924	RCMT3209M0S	NL300	32,00	-	9,53	-	9,52		Roughing

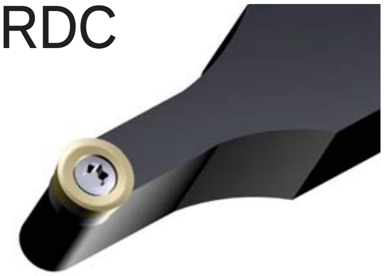
For Toolholders External: see pages 109 - 110

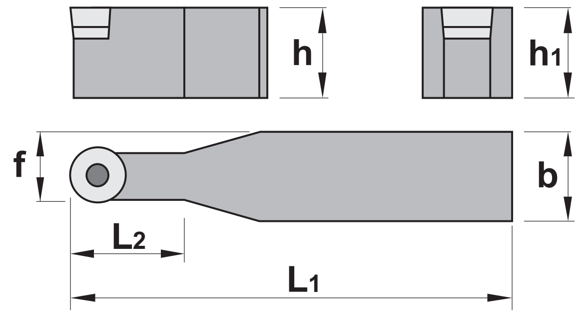
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

SRDC

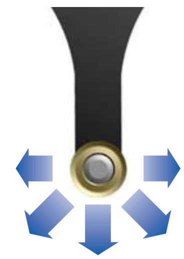




Inserts - RCMT0602, 10T3, and 1204

SRDC Neutral External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm) h = h_1	b	f	L_1	L_2
018106	SRDC N 1616 H06	Neutral	RCMT_0602	16	16	11	100	20
018107	SRDC N 2020 K06	Neutral	RCMT_0602	20	20	13	125	20
018108	SRDC N 2020 K10	Neutral	RCMT_10T3	20	20	15	125	22
028594	SRDC N 2525 M10	Neutral	RCMT_10T3	25	25	17,5	150	22
033523	SRDC N 2020 K12	Neutral	RCMT_1204	20	20	16	125	22
018088	SRDC N 2525 M12	Neutral	RCMT_1204	25	25	18,5	150	28

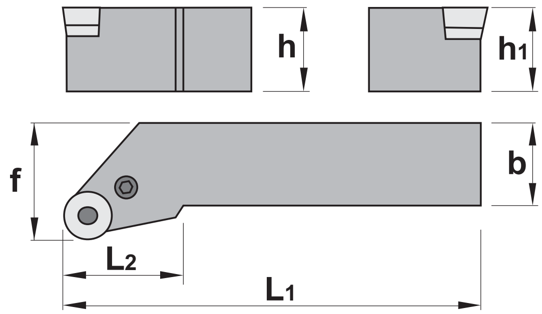


S Style External Toolholder
for Positive Inserts:
RCMT06, 10, and 12
Application: Turning, Plunge and Profile
Approach Angle 0°
Axial 0°
Radial 0°
Neutral Holder Shown

SRDC N Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SRDC N 1616 H06	015061	F2507T	018488	T7	-	-	-	-
SRDC N 2020 K06								
SRDC N 2020 K10	034497	1335	028475	K5516	034501	SA3811	028478	SAS1750
SRDC N 2525 M10								
SRDC N 2020 K12					034502	SA3814		
SRDC N 2525 M12								

PRSC



Inserts - RCMT10T3, 1204, 1606, 2006, & 2507

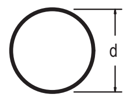
PRSC LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033527	PRSCL 2020 K10	LH	RCMT_10T3	20	20	25	125	28
033528	PRSCL 2525 M10	LH	RCMT_10T3	25	25	32	150	28
033529	PRSCR 2020 K10	RH	RCMT_10T3	20	20	25	125	28
033530	PRSCR 2525 M10	RH	RCMT_10T3	25	25	32	150	28
033531	PRSCL 2020 K12	LH	RCMT_1204	20	20	25	125	28
033532	PRSCL 2525 M12	LH	RCMT_1204	25	25	32	150	28
033533	PRSCR 2020 K12	RH	RCMT_1204	20	20	25	125	28
033534	PRSCR 2525 M12	RH	RCMT_1204	25	25	32	150	28
033535	PRSCL 2525 M16	LH	RCMT_1606	25	25	32	150	34
033536	PRSCL 3225 P16	LH	RCMT_1606	32	25	32	170	34
033537	PRSCR 2525 M16	RH	RCMT_1606	25	25	32	150	34
033538	PRSCR 3225 P16	RH	RCMT_1606	32	25	32	170	34
033539	PRSCL 3232 P20	LH	RCMT_2006	32	32	40	170	42
033540	PRSCR 3232 P20	RH	RCMT_2006	32	32	40	170	42
033541	*PRSCL 4040 S25	LH	RCMT_2507	40	40	50	250	48
033542	*PRSCR 4040 S25	RH	RCMT_2507	40	40	50	250	48

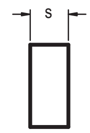
* Non Stock Items, subject to extended delivery time

P Style External Toolholder
for Positive Inserts:
RCMT10, 12, 16, 20 and 25
Application: Turning, Plunge and Profile
Approach Angle 0°
Axial 0°
Radial 0°
RH Holder Shown

PRSCL/R Spare Parts												
Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PRSCL/R 2020 K10	034475	PL8110	034480	PLS1705	034484	PA3810	028417	PC4110	028053	PCP0009	028578	KH5002
PRSCL/R 2525 M10												
PRSCL/R 2020 K12	034476	PL8112	017447	PLS1606	034485	PA3812					018285	KH5025
PRSCL/R 2525 M12												
PRSCL/R 2525 M16	034477	PL8116	034481	PLS1706	034486	PA3816	034504	PC4116	028054	PCP0012		
PRSCL/R 3232 P16												
PRSCL/R 3232 P20	034478	PL8120	028458	PLS1708	034487	PA3820	028051	PC4115	034505	PCP0015	018286	KH5003
*PRSCL/R 4040 S25	034479	PL8125	034482	PLS1710	034488	PA3825	017455	PC4119	028056	PCP0019	018287	KH5004

RNGN
Ceramics

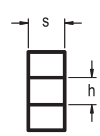




EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032324	RNGN090300 E010	SA6609	9,52	-	3,18	-	-		Roughing
032325	RNGN090400 E010	SA6609	9,52	-	4,76	-	-		Roughing
032326	RNGN120400 E010	SA6609	12,70	-	4,76	-	-		Roughing
032327	RNGN120700 E010	SA6609	12,70	-	7,94	-	-		Roughing
032328	RNGN120700 E030	SA6609	12,70	-	7,94	-	-		Roughing
032329	RNGN150700 E010	SA6609	15,88	-	7,94	-	-		Roughing
032330	RNGN190700 E010	SA6609	19,05	-	7,94	-	-		Roughing

Note: For edge condition refer to Grade page 31

RNMG
4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032651	RNMG250900E-4T	NL300	25,00	-	9,53	0,80	5,16		Roughing
032652	RNMG250900E-4T	NL920	25,00	-	9,53	0,80	5,16		Roughing

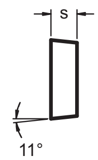
For Toolholders External: see page 113

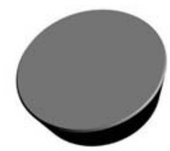
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

RPGN
Ceramics

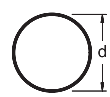


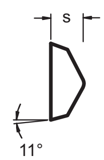


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032336	RPGN090300 E010	SA6609	9,52	-	3,18	-	-	◆	Roughing
032337	RPGN120400 E010	SA6609	12,70	-	4,76	-	-	◆	Roughing

Note: For edge condition refer to Grade page 31

RPGX
Ceramics





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032341	RPGX060400 E010	SA6609	6,35	-	4,76	-	-	◆	Roughing
032342	RPGX090700 E010	SA6609	9,52	-	7,94	-	-	◆	Roughing
032343	RPGX120700 E010	SA6609	12,70	-	7,94	-	-	◆	Roughing

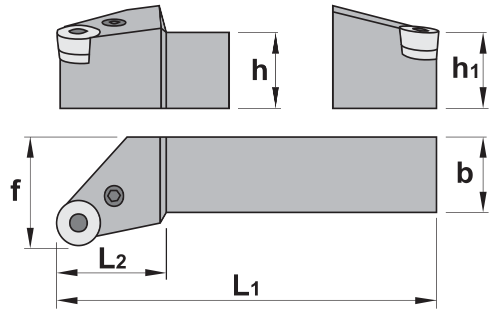
Note: For edge condition refer to Grade page 31

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

PRSN



PRSN LH & RH External Square Shank Toolholders

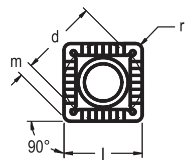
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
028392	PRSNL 4040 S25	LH	RN_2509	40	40	50	250	45
028396	PRSNR 4040 S25	RH	RN_2509	40	40	50	250	45

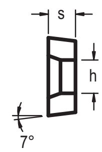
P Style External Toolholder
for Negative Inserts: RN_2509
Application: Turn, Face Plunge and Profile
Axial Approach 0°
Axial -6°
Radial -6°
Profiling Clearance Angle β = 42°
RH Holder Shown

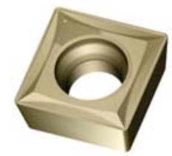
PRSNL/R Spare Parts

Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PRSNL/R 4040 S25	*028408*	PL8025	*028409*	PLS1612	*034489*	PA3925	*028418*	PC4125	*034506*	PCP0025	*018288*	KH5005

SCMT
-73 Geometry







EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032653	SCMT09T304E-73	SP4019	9,53	9,53	3,97	0,40	4,40		Medium
032654	SCMT09T304E-73	NL300	9,53	9,53	3,97	0,40	4,40		Medium
032655	SCMT09T304E-73	NL920	9,53	9,53	3,97	0,40	4,40		Medium
030484	SCMT09T308E-73	SP4019	9,53	9,53	3,97	0,80	4,40		Medium
032656	SCMT09T308E-73	NL300	9,53	9,53	3,97	0,80	4,40		Medium
032657	SCMT09T308E-73	NL920	9,53	9,53	3,97	0,80	4,40		Medium
032658	SCMT12M504E-73	SP4019	12,70	12,70	5,00	0,40	5,50		Medium
032659	SCMT12M504E-73	NL300	12,70	12,70	5,00	0,40	5,50		Medium
032660	SCMT12M504E-73	NL920	12,70	12,70	5,00	0,40	5,50		Medium
032661	SCMT12M508E-73	SP4019	12,70	12,70	5,00	0,80	5,50		Medium
032662	SCMT12M508E-73	NL300	12,70	12,70	5,00	0,80	5,50		Medium
032663	SCMT12M508E-73	NL920	12,70	12,70	5,00	0,80	5,50		Medium

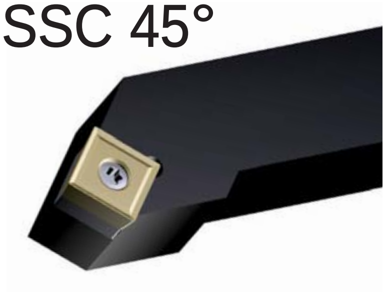
For Toolholders External: see page 115 | Internal: see page 116

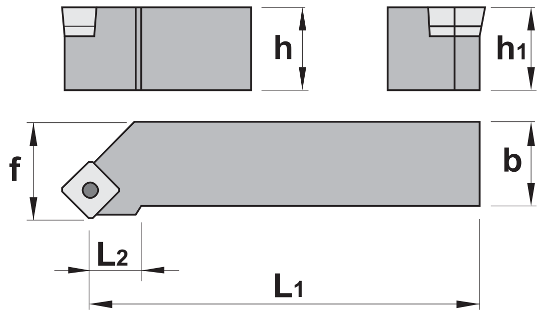
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

SSSC 45°





Inserts - SCMT09T3 & 12M5

SSSC LH & RH External Square Shank Toolholders

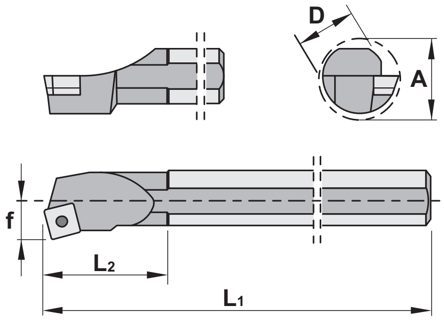
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
028605	SSSCL 1212 F09	LH	SCMT09T3	12	12	16	80	20
028606	SSSCL 1616 H09	LH	SCMT09T3	16	16	20	100	22
028609	SSSCR 1212 F09	RH	SCMT09T3	12	12	16	80	20
028610	SSSCR 1616 H09	RH	SCMT09T3	16	16	20	100	22
028607	SSSCL 2020 K12	LH	SCMT12M5	20	20	25	125	25
028608	SSSCL 2525 M12	LH	SCMT12M5	25	25	32	150	28
028611	SSSCR 2020 K12	RH	SCMT12M5	20	20	25	125	25
028612	SSSCR 2525 M12	RH	SCMT12M5	25	25	32	150	28

S Style External Toolholder
for Positive Inserts
SCMT09T3 & SCMT12M5
Application: Turning, Plunge and Profile
Approach Angle 45°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 42°
RH Holder Shown

SSSCL/R Spare Parts

Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SSSCL/R 1212 F09 SSSCL/R 1616 H09	*015262*	D4010T	*015240*	T15	-	-	-	-
SSSCL/R 2020 K12 SSSCL/R 2525 M12	*034500*	1540	*034577*	K5517	*028738*	SA3514	*028739*	SAS1760

SSKC 75°



S.. SSKC LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	L2	Through Coolant
033549	S16R SSKCL 09	LH	SC_09T3	20	16	11	200	31	
033550	S20S SSKCL 09	LH	SC_09T3	24	20	13	250	36	
033551	S25T SSKCL 09	LH	SC_09T3	31	25	17	300	42	
033552	S16R SSKCR 09	RH	SC_09T3	20	16	11	200	31	
033553	S20S SSKCR 09	RH	SC_09T3	24	20	13	250	36	
033554	S25T SSKCR 09	RH	SC_09T3	31	25	17	300	42	
033555	S32U SSKCL 12	LH	SC_12M5	39	32	22	350	45	
033556	*S40V SSKCL 12	LH	SC_12M5	48	40	27	400	50	
033557	*S50W SSKCL 12	LH	SC_12M5	61	50	35	450	50	
033558	S32U SSKCR 12	RH	SC_12M5	39	32	22	350	45	
033559	*S40V SSKCR 12	RH	SC_12M5	48	40	27	400	50	
033560	*S50W SSKCR 12	RH	SC_12M5	61	50	35	450	50	

* Note these items are on an extended delivery time

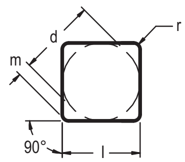
S Style Internal Boring Bar
for Positive Inserts:
SCMT09T3 & SCMT12M5
Application: I/D Boring
Axial Approach: 75°
Axial 0°
Radial -8°
Profilling Clearance Angle β = 12°
RH Bar Shown

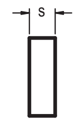
S.. SSKCL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
S16R SSKCL/R 09	034499	1440	015240	T15	-	-	-	-
S20S SSKCL/R 09	015262	D4010T						
S25T SSKCL/R 09								
S32U SSKCL/R 12	034500	1540	034577	K5517	028738	SA3514	028739	SAS1760
*S40V SSKCL/R 12								
*S50W SSKCL/R 12								

* Note these items are on an extended delivery time

Stellram®
Cutting Tool Systems

SNGN
Ceramics





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032331	SNGN120408 E010	SA6609	12,70	12,70	4,76	0,80	-	S	Roughing
032332	SNGN120412 E010	SA6609	12,70	12,70	4,76	1,20	-	S	Roughing
032333	SNGN120708 E010	SA6609	12,70	12,70	7,94	0,80	-	S	Roughing
032334	SNGN120712 E010	SA6609	12,70	12,70	7,94	1,20	-	S	Roughing
032335	SNGN190616 E010	SA6609	19,05	19,05	6,35	1,60	-	S	Roughing

Note: For edge condition refer to Grade page 31

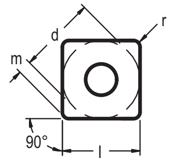
Material Guide – Key to Recommended Inserts

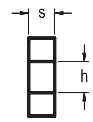
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram® Cutting Tool Systems

SNMA
Flat Top

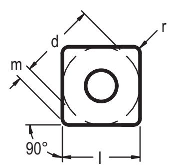


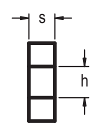


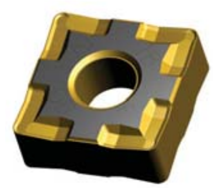
EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032664	SNMA120408E	NL250	12,70	12,70	4,76	0,80	5,16	K	Heavy Roughing
032665	SNMA120412E	NL250	12,70	12,70	4,76	1,20	5,16	K	Heavy Roughing
032666	SNMA120416E	NL250	12,70	12,70	4,76	1,60	5,16	K	Heavy Roughing
032667	SNMA150612E	NL250	15,88	15,88	6,35	1,20	6,35	K	Heavy Roughing
032668	SNMA190616E	NL250	19,05	19,05	6,35	1,60	7,94	K	Heavy Roughing
032669	SNMA190632E	NL250	19,05	19,05	6,35	3,20	7,94	K	Heavy Roughing

For Toolholders External: see pages 126 - 129 | Internal: see page 130

SNMG
1B Geometry







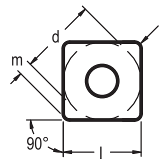
EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
030878	SNMG120408E-1B	SP0819	12,70	12,70	4,76	0,80	5,16	P P M M S H	Finishing
032670	SNMG120408E-1B	NL250	12,70	12,70	4,76	0,80	5,16	P P M M S	Finishing

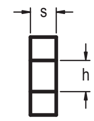
For Toolholders External: see pages 126 - 129 | Internal: see page 130

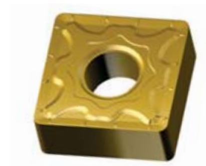
Material Guide – Key to Recommended Inserts

Material Designation							
P Unalloyed Steels	P Alloyed Steels	M Stainless Steels	M PH Stainless	K Cast Irons	N Aluminum & Alloys	S High Temp. Alloys	H Hard Materials

SNMG
2N Geometry







EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032671	SNMG120408E-2N	NL250	12,70	12,70	4,76	0,80	5,16		Medium
032672	SNMG120408E-2N	NL300	12,70	12,70	4,76	0,80	5,16		Medium
032673	SNMG120408E-2N	NL920	12,70	12,70	4,76	0,80	5,16		Medium
032674	SNMG120412E-2N	NL250	12,70	12,70	4,76	1,20	5,16		Medium
032675	SNMG120412E-2N	NL300	12,70	12,70	4,76	1,20	5,16		Medium
032676	SNMG120412E-2N	NL920	12,70	12,70	4,76	1,20	5,16		Medium
032677	SNMG120416E-2N	NL250	12,70	12,70	4,76	1,60	5,16		Medium
032678	SNMG120416E-2N	NL300	12,70	12,70	4,76	1,60	5,16		Medium
032679	SNMG120416E-2N	NL920	12,70	12,70	4,76	1,60	5,16		Medium
032680	SNMG150608E-2N	NL250	15,88	15,88	6,35	0,80	6,35		Medium
032681	SNMG150608E-2N	NL300	15,88	15,88	6,35	0,80	6,35		Medium
032682	SNMG150608E-2N	NL920	15,88	15,88	6,35	0,80	6,35		Medium
032683	SNMG150612E-2N	NL250	15,88	15,88	6,35	1,20	6,35		Medium
032684	SNMG150612E-2N	NL300	15,88	15,88	6,35	1,20	6,35		Medium
032685	SNMG150612E-2N	NL920	15,88	15,88	6,35	1,20	6,35		Medium
032686	SNMG150616E-2N	NL250	15,88	15,88	6,35	1,60	6,35		Medium
032687	SNMG150616E-2N	NL300	15,88	15,88	6,35	1,60	6,35		Medium
032688	SNMG190612E-2N	NL920	19,05	19,05	6,35	1,20	7,94		Medium
032689	SNMG190616E-2N	NL300	19,05	19,05	6,35	1,60	7,94		Medium
032690	SNMG190616E-2N	NL920	19,05	19,05	6,35	1,60	7,94		Medium

For Toolholders External: see pages 126 - 129 | Internal: see page 130

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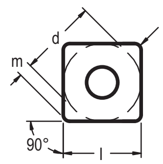
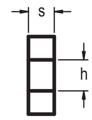
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

SNMG
3J Geometry

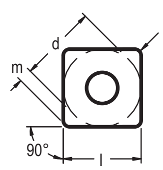


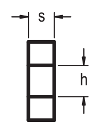


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032691	SNMG120408E-3J	SP4019	12,70	12,70	4,76	0,80	5,16		Medium
032692	SNMG120412E-3J	SP4019	12,70	12,70	4,76	1,20	5,16		Medium
032693	SNMG120416E-3J	SP4019	12,70	12,70	4,76	1,60	5,16		Medium

For Toolholders External: see pages 126 - 129 | Internal: see page 130

SNMG
4E Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031578	SNMG120408E-4E	SP0819	12,70	12,70	4,76	0,80	5,16		Roughing
032694	SNMG120408E-4E	NL400	12,70	12,70	4,76	0,80	5,16		Roughing
031658	SNMG120412E-4E	SP0819	12,70	12,70	4,76	1,20	5,16		Roughing
032695	SNMG120412E-4E	NL400	12,70	12,70	4,76	1,20	5,16		Roughing
031696	SNMG120416E-4E	SP0819	12,70	12,70	4,76	1,60	5,16		Roughing
032696	SNMG120416E-4E	NL400	12,70	12,70	4,76	1,60	5,16		Roughing

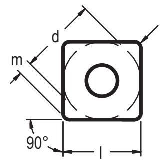
For Toolholders External: see pages 126 - 129 | Internal: see page 130

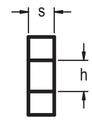
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

SNMG
4E Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
030527	SNMG150608E-4E	SP0819	15,88	15,88	6,35	0,80	6,35		Medium-Roughing
032697	SNMG150608E-4E	NL400	15,88	15,88	6,35	0,80	6,35		Medium-Roughing
030528	SNMG150612E-4E	SP0819	15,88	15,88	6,35	1,20	6,35		Medium-Roughing
032698	SNMG150612E-4E	NL400	15,88	15,88	6,35	1,20	6,35		Medium-Roughing
030529	SNMG150616E-4E	SP0819	15,88	15,88	6,35	1,60	6,35		Medium-Roughing
032699	SNMG150616E-4E	NL400	15,88	15,88	6,35	1,60	6,35		Medium-Roughing
030530	SNMG190608E-4E	SP0819	19,05	19,05	6,35	0,80	7,94		Medium-Roughing
032700	SNMG190608E-4E	NL400	19,05	19,05	6,35	0,80	7,94		Medium-Roughing
030531	SNMG190612E-4E	SP0819	19,05	19,05	6,35	1,20	7,94		Medium-Roughing
032701	SNMG190612E-4E	NL400	19,05	19,05	6,35	1,20	7,94		Medium-Roughing
032362	SNMG190616E-4E	NL400	19,05	19,05	6,35	1,60	7,94		Medium-Roughing
030532	SNMG190616E-4E	SP0819	19,05	19,05	6,35	1,60	7,94		Medium-Roughing
030533	SNMG190624E-4E	SP0819	19,05	19,05	6,35	2,40	7,94		Medium-Roughing
032703	SNMG190624E-4E	NL400	19,05	19,05	6,35	2,40	7,94		Medium-Roughing

For Toolholders External: see pages 126 - 129 | Internal: see page 130

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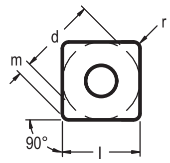
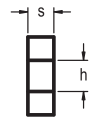
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

SNMG
4T Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032704	SNMG120404E-4T	NL250	12,70	12,70	4,76	0,40	5,16		Roughing
032705	SNMG120404E-4T	NL300	12,70	12,70	4,76	0,40	5,16		Roughing
032706	SNMG120404E-4T	NL400	12,70	12,70	4,76	0,40	5,16		Roughing
032707	SNMG120404E-4T	NL920	12,70	12,70	4,76	0,40	5,16		Roughing
032708	SNMG120408E-4T	NL250	12,70	12,70	4,76	0,80	5,16		Roughing
032709	SNMG120408E-4T	NL300	12,70	12,70	4,76	0,80	5,16		Roughing
032710	SNMG120408E-4T	NL400	12,70	12,70	4,76	0,80	5,16		Roughing
032711	SNMG120408E-4T	NL920	12,70	12,70	4,76	0,80	5,16		Roughing
032712	SNMG120412E-4T	NL250	12,70	12,70	4,76	1,20	5,16		Roughing
032713	SNMG120412E-4T	NL300	12,70	12,70	4,76	1,20	5,16		Roughing
032714	SNMG120412E-4T	NL400	12,70	12,70	4,76	1,20	5,16		Roughing
032715	SNMG120412E-4T	NL920	12,70	12,70	4,76	1,20	5,16		Roughing
032716	SNMG120416E-4T	NL250	12,70	12,70	4,76	1,60	5,16		Roughing
032717	SNMG120416E-4T	NL300	12,70	12,70	4,76	1,60	5,16		Roughing
032718	SNMG120416E-4T	NL400	12,70	12,70	4,76	1,60	5,16		Roughing
032719	SNMG120416E-4T	NL920	12,70	12,70	4,76	1,60	5,16		Roughing

For Toolholders External: see pages 126 - 129 | Internal: see page 130

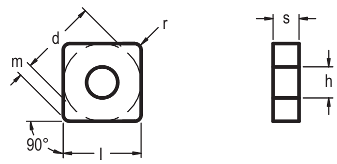
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

SNMG
4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032720	SNMG150608E-4T	NL250	15,88	15,88	6,35	0,80	6,35		Roughing
032721	SNMG150608E-4T	NL300	15,88	15,88	6,35	0,80	6,35		Roughing
032722	SNMG150608E-4T	NL400	15,88	15,88	6,35	0,80	6,35		Roughing
032723	SNMG150608E-4T	NL920	15,88	15,88	6,35	0,80	6,35		Roughing
032724	SNMG150612E-4T	NL250	15,88	15,88	6,35	1,20	6,35		Roughing
032725	SNMG150612E-4T	NL300	15,88	15,88	6,35	1,20	6,35		Roughing
032726	SNMG150612E-4T	NL400	15,88	15,88	6,35	1,20	6,35		Roughing
032727	SNMG150612E-4T	NL920	15,88	15,88	6,35	1,20	6,35		Roughing
032728	SNMG150616E-4T	NL250	15,88	15,88	6,35	1,60	6,35		Roughing
032729	SNMG150616E-4T	NL300	15,88	15,88	6,35	1,60	6,35		Roughing
032730	SNMG150616E-4T	NL400	15,88	15,88	6,35	1,60	6,35		Roughing
032731	SNMG150616E-4T	NL920	15,88	15,88	6,35	1,60	6,35		Roughing

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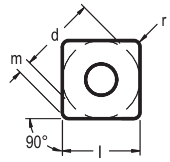
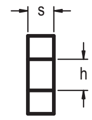
P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

SNMG
4T Geometry

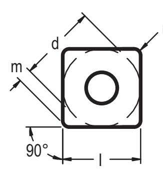


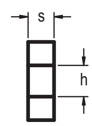


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032732	SNMG190612E-4T	NL250	19,05	19,05	6,35	1,20	7,94		Roughing
032733	SNMG190612E-4T	NL300	19,05	19,05	6,35	1,20	7,94		Roughing
032734	SNMG190612E-4T	NL400	19,05	19,05	6,35	1,20	7,94		Roughing
032735	SNMG190612E-4T	NL920	19,05	19,05	6,35	1,20	7,94		Roughing
032736	SNMG190616E-4T	NL250	19,05	19,05	6,35	1,60	7,94		Roughing
032737	SNMG190616E-4T	NL300	19,05	19,05	6,35	1,60	7,94		Roughing
032738	SNMG190616E-4T	NL400	19,05	19,05	6,35	1,60	7,94		Roughing
032739	SNMG190616E-4T	NL920	19,05	19,05	6,35	1,60	7,94		Roughing
032740	SNMG250924E-4T	NL300	25,40	25,40	9,53	2,40	9,12		Roughing
032741	SNMG250924E-4T	NL400	25,40	25,40	9,53	2,40	9,12		Roughing
032742	SNMG250924E-4T	NL920	25,40	25,40	9,53	2,40	9,12		Roughing

For Toolholders External: see pages 126 - 129 | Internal: see page 130

SNMG
4U Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032743	SNMG120408E-4U	NL200	12,70	12,70	4,76	0,80	5,16		Roughing
032744	SNMG120412E-4U	NL200	12,70	12,70	4,76	1,20	5,16		Roughing

For Toolholders External: see pages 126 - 129 | Internal: see page 130

Material Guide – Key to Recommended Inserts

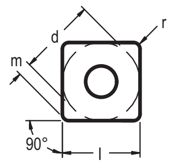
Material Designation

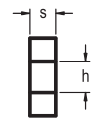
P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

Stellram®
Cutting Tool Systems

SNMM

5R Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031690	SNMM150612E 5R	NL300	15,88	15,88	6,35	1,20	6,35		Heavy Roughing
031674	SNMM150612E-5R	NL400	15,88	15,88	6,35	1,20	6,35		Heavy Roughing
031691	SNMM150616E-5R	NL300	15,88	15,88	6,35	1,60	6,35		Heavy Roughing
031675	SNMM150616E 5R	NL400	15,88	15,88	6,35	1,60	6,35		Heavy Roughing
031692	SNMM150624E-5R	NL300	15,88	15,88	6,35	2,40	6,35		Heavy Roughing
031676	SNMM150624E-5R	NL400	15,88	15,88	6,35	2,40	6,35		Heavy Roughing
031693	SNMM190612E-5R	NL300	19,05	19,05	6,35	1,20	7,94		Heavy Roughing
031677	SNMM190612E-5R	NL400	19,05	19,05	6,35	1,20	7,94		Heavy Roughing
031694	SNMM190616E-5R	NL300	19,05	19,05	6,35	1,60	7,94		Heavy Roughing
031678	SNMM190616E-5R	NL400	19,05	19,05	6,35	1,60	7,94		Heavy Roughing
031695	SNMM190624E-5R	NL300	19,05	19,05	6,35	2,40	7,94		Heavy Roughing
031679	SNMM190624E-5R	NL400	19,05	19,05	6,35	2,40	7,94		Heavy Roughing
031681	SNMM250924E-5R	NL300	25,40	25,40	9,53	2,40	9,12		Heavy Roughing
032750	SNMM250924E-5R	NL400	25,40	25,40	9,53	2,40	9,12		Heavy Roughing
031680	SNMM250924E-5R	NL920	25,40	25,40	9,53	2,40	9,12		Heavy Roughing

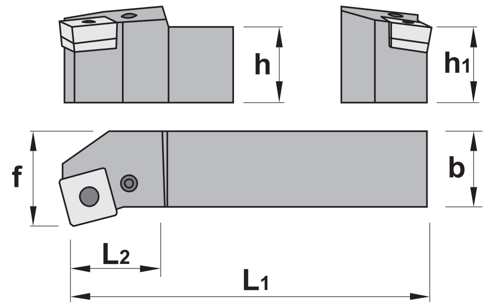
For Toolholders External: see pages 126 - 129 | Internal: see page 130

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

PSKN 75°



PSKN LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
017165	PSKNL 2020 K 12	LH	SN_1204	20	20	25	125	28
017167	PSKNL 2525 M12	LH	SN_1204	25	25	32	150	28
017169	PSKNL 3225 P12	LH	SN_1204	32	25	32	170	34
017166	PSKNR 2020 K 12	RH	SN_1204	20	20	25	125	28
017168	PSKNR 2525 M12	RH	SN_1204	25	25	32	150	28
017170	PSKNR 3225 P12	RH	SN_1204	32	25	32	170	34
024735	PSKNL 2525 M15	LH	SN_1506	25	25	32	150	34
028429	PSKNL 3232 P15	LH	SN_1506	32	32	40	170	42
024739	PSKNR 2525 M15	RH	SN_1506	25	25	32	150	34
023289	PSKNR 3232 P15	RH	SN_1506	32	32	40	170	42
024738	*PSKNL 4040 S19	LH	SN_1906	40	40	50	250	45
024741	*PSKNR 4040 S19	RH	SN_1906	40	40	50	250	45
033352	*PSKNL 5050 T25	LH	SN_2509	50	50	60	300	45
033353	*PSKNR 5050 T25	RH	SN_2509	50	50	60	300	45

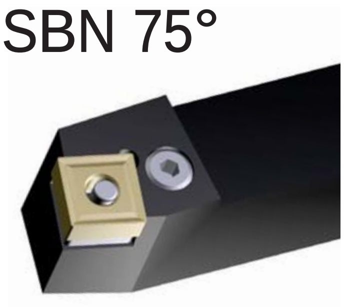
* Non Stock Items, subject to extended delivery time

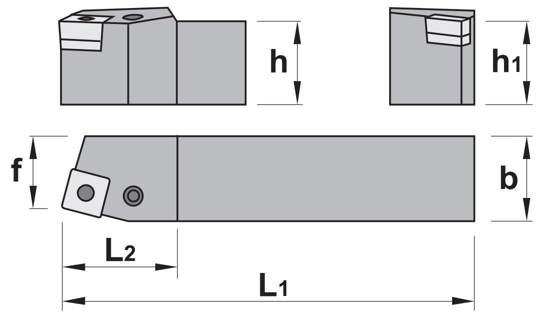
P Style External Toolholder
for Negative Inserts:
SN_1204, SN_1506, SN_1906 & SN_2507
Application: Facing
Axial Approach 75°
Axial -4,25°
Radial -7,25°
Profiling Clearance Angle β = 0°
RH Holder Shown

PSKNL/R Spare Parts												
Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PSKNL/R 2020 K 12	017443	8012	017448	1608	017460	PA3512	017453	PC4112	028054	PCP0012	018286	KH5003
PSKNL/R 2525 M12												
PSKNL/R 3225 P12												
PSKNL/R 2525 M15	017445	8016	017450	1618	017461	PA3515	028051	PC4115	034505	PCP0015		
PSKNL/R 3232 P15												
*PSKNL/R 4040 S19	017446	8019	017451	1610	017462	PA3519	017455	PC4119	028056	PCP0019	018287	KH5004
*PSKNL/R 5050 T25	028408	8025	028409	1612	028416	PA3525	028418	PC4125	034506	PCP0025	018288	KH5005

* Non Stock Items, subject to extended delivery time

PSBN 75°





PSBN LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
017152	PSBNL 2020 K 12	LH	SN_1204	20	20	17	125	28
017154	PSBNL 2525 M12	LH	SN_1204	25	25	22	150	28
028399	PSBNL 3225 P12	LH	SN_1204	32	25	22	170	28
017153	PSBNR 2020 K 12	RH	SN_1204	20	20	17	125	28
017155	PSBNR 2525 M12	RH	SN_1204	25	25	22	150	28
028405	PSBNR 3225 P12	RH	SN_1204	32	25	22	170	28
028400	PSBNL 2525 M15	LH	SN_1506	25	25	22	150	34
028401	PSBNL 3232 P15	LH	SN_1506	32	32	27	170	34
017159	PSBNR 2525 M15	RH	SN_1506	25	25	22	150	34
028406	PSBNR 3232 P15	RH	SN_1506	32	32	27	170	34
018466	*PSBNL 4040 S19	LH	SN_1906	40	40	35	250	48
018467	*PSBNR 4040 S19	RH	SN_1906	40	40	35	250	48
033356	*PSBNL 5050 T25	LH	SN_2509	50	50	43	300	50
033357	*PSBNR 5050 T25	RH	SN_2509	50	50	43	300	50

* Non Stock Items, subject to extended delivery time

P Style External Toolholder
for Negative Inserts:
SN_1204, SN_1506, SN_1906 & SN_2507
Application: Turn O/D
Axial Approach 75°
Axial -7,25°
Radial -4,25°
Profiling Clearance Angle β = 12°
RH Holder Shown

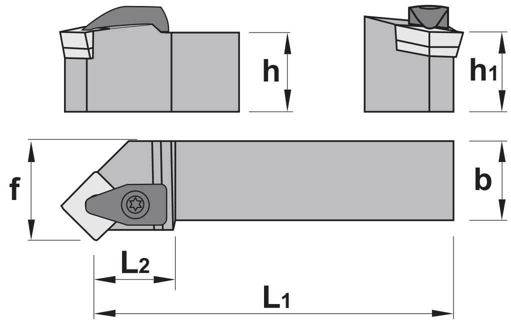
PSBNL/R Spare Parts

Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
PSBNL/R 2020 K 12	017443	PL8012	017448	PLS1608	017460	PA3512	017453	PC4112	028054	PCP0012	018286	KH5003
PSBNL/R 2525 M12												
PSBNL/R 3225 P12												
PSBNL/R 2525 M15	017445	PL8016	017450	PLS1618	017461	PA3515	028051	PC4115	034505	PCP0015		
PSBNL/R 3232 P15												
PSBNL/R 4040 S19	017446	PL8019	017451	PLS1610	017462	PA3519	017455	PC4119	028056	PCP0019	018287	KH5004
*PSBNL/R 5050 T25	028408	PL8025	028409	PLS1612	028416	PA3525	028418	PC4125	034506	PCP0025	018288	KH5005

* Non Stock Items, subject to extended delivery time

Stellram®
Cutting Tool Systems

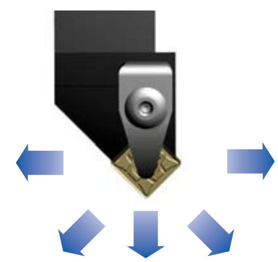
DSSN 45°



EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033358	DSSNL 2020 K12	LH	SN_1204	20	20	25	125	37
033359	DSSNL 2525 M12	LH	SN_1204	25	25	32	150	37
033360	DSSNL 3225 P12	LH	SN_1204	32	25	32	170	37
033361	DSSNR 2020 K12	RH	SN_1204	20	20	25	125	37
033362	DSSNR 2525 M12	RH	SN_1204	25	25	32	150	37
033363	DSSNR 3225 P12	RH	SN_1204	32	25	32	170	37
033364	DSSNL 2525 M15	LH	SN_1506	25	25	32	150	36
033365	DSSNL 3232 P15	LH	SN_1506	32	32	40	170	40
033366	DSSNR 2525 M15	RH	SN_1506	25	25	32	150	36
033367	DSSNR 3232 P15	RH	SN_1506	32	32	40	170	40
033368	DSSNL 3232 P19	LH	SN_1906	32	32	40	170	45
033369	*DSSNL 4040 S19	LH	SN_1906	40	40	50	250	45
033370	DSSNR 3232 P19	RH	SN_1906	32	32	40	170	45
033371	*DSSNR 4040 S19	RH	SN_1906	40	40	50	250	45

DSSN LH & RH External Square Shank Toolholders

* Non Stock Items, subject to extended delivery time



D Style External Toolholder
for Negative Inserts:
SN_1204, SN_1506 & SN_1906
Application: Turn O/D & Plunge Profile
Axial Approach 45°
Axial -5,75°
Radial -5,75°
Profiling Clearance Angle β = 42°
RH Holder Shown

DSSNL/R Spare Parts

<table>
<tr><th>Item Description</th><th colspan="2">Clamp Screw EDP</th><th colspan="2">Clamp EDP</th><th colspan="2">Clamp Spring EDP</th><th colspan="2">Anvil EDP</th><th colspan="2">Anvil Screw EDP</th><th colspan="2">Clamp & Anvil Screw Key</th></tr>
<tr><td>DSSNL/R 2020 K12</td><td rowspan="7">033710</td><td rowspan="7">1696</td><td rowspan="3">033707</td><td rowspan="3">DC2712</td><td rowspan="7">033719</td><td rowspan="7">4295</td><td rowspan="3">001704</td><td rowspan="3">ISSN433</td><td rowspan="3">033716</td><td rowspan="3">1766</td><td rowspan="7">018287</td><td rowspan="7">KH5004</td></tr>
<tr><td>DSSNL/R 2525 M12</td></tr>
<tr><td>DSSNL/R 3225 P12</td></tr>
<tr><td>DSSNL/R 2525 M15</td><td rowspan="2">034495</td><td rowspan="2">DC2716</td><td rowspan="2">001707</td><td rowspan="2">ISSN533</td><td rowspan="2">034509</td><td rowspan="2">1768</td></tr>
<tr><td>DSSNL/R 3232 P15</td></tr>
<tr><td>DSSNL/R 3232 P19</td><td rowspan="2">033708</td><td rowspan="2">DC2719</td><td rowspan="2">001709</td><td rowspan="2">ISSN633</td><td rowspan="2">033717</td><td rowspan="2">1770</td></tr>
<tr><td>DSSNL/R 4040 S19</td></tr>
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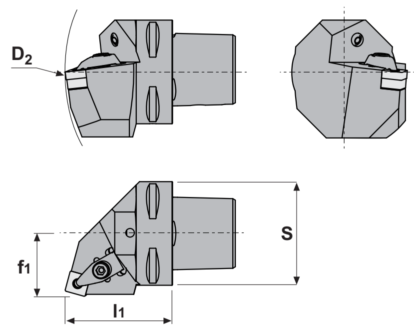
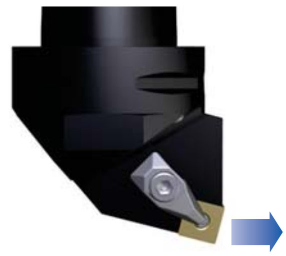
DSRN 75°



DSRN LH & RH External PSC Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				S	D1	D2	f1	l1
033705	C6-63-DSRNL35065-12	LH	SN_1204	63	-	190	35	65
033706	C6-63-DSRNR35065-12	RH	SN_1204	63	-	190	35	65

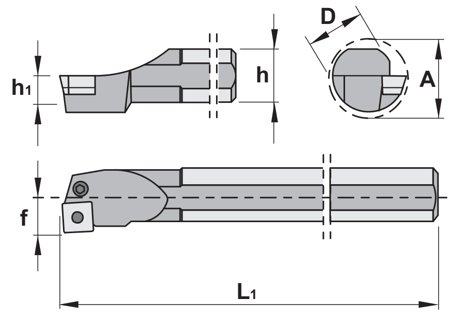


D Style External Toolholder
for Negative Inserts: SN_1204
Application: External Face and Turn O/D
Approach Angle 75°
Axial -6°
Radial -6°
Profilling Clearance Angle β= 12°
RH Holder Shown

C.. DSRNL/R Spare Parts												
Item Description	*Clamp EDP*		*Clamp Screw EDP*		*Anvil EDP*		*Anvil Screw EDP*		*Clamp Spring EDP*		*Screw Key EDP*	
C6-63-DSRNL/R 35065-12	*033707*	2712	*033710*	1696	*033715*	ISSN442	*033716*	1766	*033719*	4295	*018287*	KH5004

Stellram®
Cutting Tool Systems

A..PSKN 75°



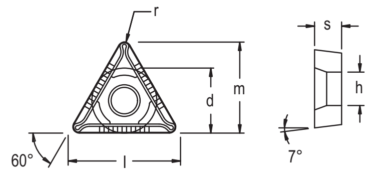
A..PSKN LH & RH Internal Boring Bars										
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)						
				Min Bore Ø A	ØD	f	L_1	h	h_1	Through Coolant
028724	A25R PSKNL 12	LH	SN_1204	31	25	17	200	23	11,5	💧
028725	A32S PSKNL 12	LH	SN_1204	39	32	22	250	30	15,0	💧
028726	A40T PSKNL 12	LH	SN_1204	48	40	27	300	37	18,5	💧
028727	A25R PSKNR 12	RH	SN_1204	31	25	17	200	23	11,5	💧
028728	A32S PSKNR 12	RH	SN_1204	39	32	22	250	30	15,0	💧
028729	A40T PSKNR 12	RH	SN_1204	48	40	27	300	37	18,5	💧

P Style Internal Boring Bar
for Negative Inserts: SN_1204
Application: Boring
Axial Approach 75°
Axial -3°
Radial -11°
Profiling Clearance Angle β = 12°
RH Bar Shown

A..PSKNL/R Spare Parts												
Item Description	*Lever EDP*		*Lever Screw EDP*		*Anvil EDP*		*Anvil Clip EDP*		*Clip Punch EDP*		*Key EDP*	
A25R PSKNL/R 12	*028742*	PL8212	*028743*	PLS1626	-	-	-	-	-	-	*018285*	KH5025
A32S PSKNIL/R 12	*028047*	PL8312	*022625*	PLS1648	*017460*	PA3512	*017453*	PC4112	*028054*	PCP0012	*018286*	KH5003
A40T PSKNL/R 12	*017443*	PL8012	*017448*	PLA1608								

Stellram®
Cutting Tool Systems

TCMT
-73 Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032751	TCMT110202E-73	SP4019	6,35	11,00	2,38	0,20	2,80		Medium
032752	TCMT110202E-73	NL300	6,35	11,00	2,38	0,20	2,80		Medium
032753	TCMT110204E-73	SP4019	6,35	11,00	2,38	0,40	2,80		Medium
032754	TCMT110204E-73	NL300	6,35	11,00	2,38	0,40	2,80		Medium
032755	TCMT110204E-73	NL920	6,35	11,00	2,38	0,40	2,80		Medium
032302	TCMT16T304E-73	SP4019	9,53	16,50	3,97	0,40	4,40		Medium
032756	TCMT16T304E-73	NL300	9,53	16,50	3,97	0,40	4,40		Medium
032757	TCMT16T304E-73	NL920	9,53	16,50	3,97	0,40	4,40		Medium
032294	TCMT16T308E-73	SP4019	9,53	16,50	3,97	0,80	4,40		Medium
032758	TCMT16T308E-73	NL300	9,53	16,50	3,97	0,80	4,40		Medium
032759	TCMT16T308E-73	NL920	9,53	16,50	3,97	0,80	4,40		Medium
032760	TCMT22M508E-73	NL920	12,70	22,00	5,00	0,80	5,50		Medium

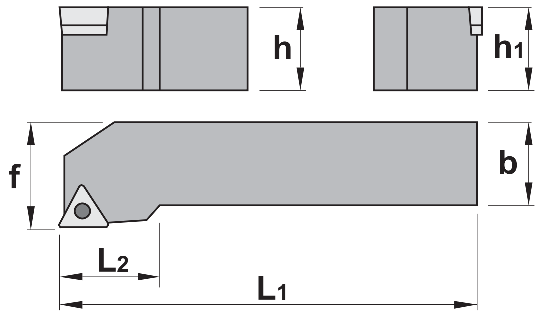
For Toolholders External: see page 132 | Internal: see page 133

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

STJC 93°

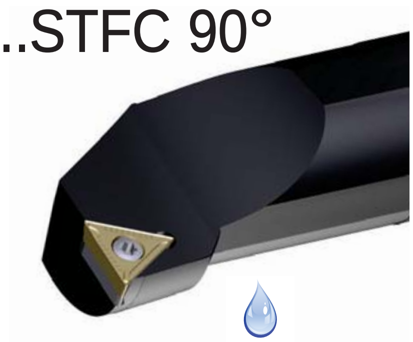


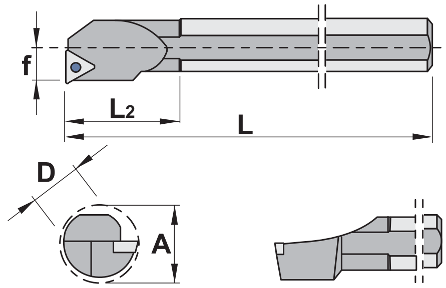
STJC LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
028625	STJCL 1212 F11	LH	TCMT1102	12	12	16	80	16
028626	STJCL 1616 H11	LH	TCMT1102	16	16	20	100	18
028630	STJCR 1212 F11	RH	TCMT1102	12	12	16	80	16
028631	STJCR 1616 H11	RH	TCMT1102	16	16	20	100	18
028627	STJCL 1616 H16	LH	TCMT16T3	16	16	20	100	18
028628	STJCL 2020 K16	LH	TCMT16T3	20	20	25	125	22
028629	STJCL 2525 M16	LH	TCMT16T3	25	25	32	150	28
028632	STJCR 1616 H16	RH	TCMT16T3	16	16	20	100	18
028633	STJCR 2020 K16	RH	TCMT16T3	20	20	25	125	22
028634	STJCR 2525 M16	RH	TCMT16T3	25	25	32	150	28

S Style External Toolholder
for Positive Inserts:
TCMT1102 and TCMT16T3
Application: O/D Turning
Approach Angle 93°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 0°
RH Holder Shown

STJCL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
STJCL/R 1212 F11 STJCL/R 1616 H11	015061	F2507T	018488	T7	-	-	-	-
STJCL/R 1616 H16 STJCL/R 2020 K16 STJCL/R 2525 M16	034497	1335	028475	K5516	028580	SA3414	028478	SA1750

A..STFC 90°





EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	L2	Through Coolant
033573	A12K STFCL 11	LH	TCMT1102	16	12	9	125	23	
033574	A16M STFCL 11	LH	TCMT1102	20	16	11	150	31	
033577	A20Q STFCL 11	LH	TCMT1102	24	20	13	180	36	
033575	A12K STFCR 11	RH	TCMT1102	16	12	9	125	23	
033576	A16M STFCR 11	RH	TCMT1102	20	16	11	150	31	
033580	A20Q STFCR 11	RH	TCMT16T3	24	20	13	180	36	
033578	A25R STFCL 16	LH	TCMT16T3	31	25	17	200	42	
033579	A32S STFCL 16	LH	TCMT16T3	39	32	22	250	45	
033581	A25R STFCR 16	RH	TCMT16T3	31	25	17	200	42	
033582	A32S STFCR 16	RH	TCMT16T3	39	32	22	250	45	

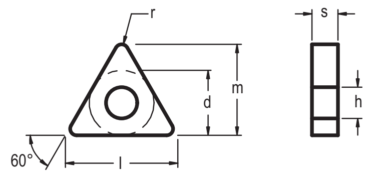
Table: A.. STFC LH & RH Internal Boring Bars

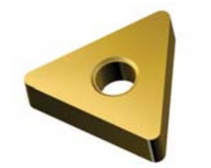
S Style Internal Boring Bar
for Positive Inserts:
TCMT1102 and TCMT16T3
Application: I/D Boring
Axial Approach: 90°
Axial 0°
Radial -6°
Profilling Clearance Angle β = 0°
RH Bar Shown

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
A12K STFCL/R 11	015061	F2507T	018488	T7	-	-	-	-
A16M STFCL/R 11	015061	F2507T	018488	T7	-	-	-	-
A20Q STFCL/R 11	015061	F2507T	018488	T7	-	-	-	-
A25R STFCL/R 16	015262	D4010T	015240	T15	-	-	-	-
A32S STFCL/R 16	034497	1335	028475	K5516	028580	SA3414	028478	SAS1750

Table: A.. STFCL/R Spare Parts

TNMA
Flat Top

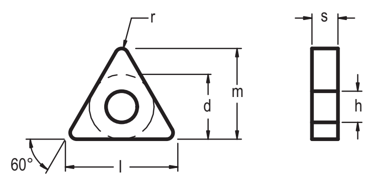




EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032761	TNMA160408E	NL250	9,53	16,50	4,76	0,80	3,81		Heavy Roughing
032762	TNMA160412E	NL250	9,53	16,50	4,76	1,20	3,81		Heavy Roughing
032763	TNMA220408E	NL250	12,70	22,00	4,76	0,80	5,16		Heavy Roughing
032764	TNMA220412E	NL250	12,70	22,00	4,76	1,20	5,16		Heavy Roughing
032765	TNMA220416E	NL250	12,70	22,00	4,76	1,60	5,16		Heavy Roughing
032766	TNMA270616E	NL250	15,88	27,50	6,35	1,60	6,35		Heavy Roughing

For Toolholders External: see pages 141 - 142 | Internal: see page 143

TNMG
1B Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032767	TNMG160404E-1B	NL250	9,53	16,50	4,76	0,40	3,81		Finishing
030879	TNMG160404E-1B	SP0819	9,53	16,50	4,76	0,40	3,81		Finishing
032768	TNMG160408E-1B	NL250	9,53	16,50	4,76	0,80	3,81		Finishing
030880	TNMG160408E-1B	SP0819	9,53	16,50	4,76	0,80	3,81		Finishing
032769	TNMG160412E-1B	SP0819	9,53	16,50	4,76	1,20	3,81		Finishing
032770	TNMG160412E-1B	NL250	9,53	16,50	4,76	1,20	3,81		Finishing

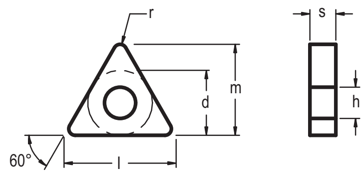
For Toolholders External: see pages 141 - 142 | Internal: see page 143

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

TNMG
2N Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032771	TNMG160404E-2N	NL250	9,53	16,50	4,76	0,40	3,81		Semi-Medium
032772	TNMG160404E-2N	NL300	9,53	16,50	4,76	0,40	3,81		Semi-Medium
032773	TNMG160404E-2N	NL920	9,53	16,50	4,76	0,40	3,81		Semi-Medium
032774	TNMG160408E-2N	NL250	9,53	16,50	4,76	0,80	3,81		Semi-Medium
032775	TNMG160408E-2N	NL300	9,53	16,50	4,76	0,80	3,81		Semi-Medium
032776	TNMG160408E-2N	NL920	9,53	16,50	4,76	0,80	3,81		Semi-Medium
032777	TNMG160412E-2N	NL250	9,53	16,50	4,76	1,20	3,81		Semi-Medium
032778	TNMG160412E-2N	NL300	9,53	16,50	4,76	1,20	3,81		Semi-Medium
032779	TNMG160412E-2N	NL920	9,53	16,50	4,76	1,20	3,81		Semi-Medium
032780	TNMG220404E-2N	NL250	12,70	22,00	4,76	0,40	5,16		Semi-Medium
032781	TNMG220404E-2N	NL300	12,70	22,00	4,76	0,40	5,16		Semi-Medium
032782	TNMG220404E-2N	NL920	12,70	22,00	4,76	0,40	5,16		Semi-Medium
032783	TNMG220408E-2N	NL250	12,70	22,00	4,76	0,80	5,16		Semi-Medium
032784	TNMG220408E-2N	NL300	12,70	22,00	4,76	0,80	5,16		Semi-Medium
032785	TNMG220408E-2N	NL920	12,70	22,00	4,76	0,80	5,16		Semi-Medium
032786	TNMG220412E-2N	NL250	12,70	22,00	4,76	1,20	5,16		Semi-Medium
032787	TNMG220412E-2N	NL300	12,70	22,00	4,76	1,20	5,16		Semi-Medium
032788	TNMG220412E-2N	NL920	12,70	22,00	4,76	1,20	5,16		Semi-Medium
032789	TNMG270616E-2N	NL920	15,88	27,50	6,35	1,60	6,35		Semi-Medium

For Toolholders External: see pages 141 - 142 | Internal: see page 143

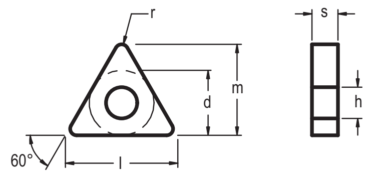
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram® Cutting Tool Systems

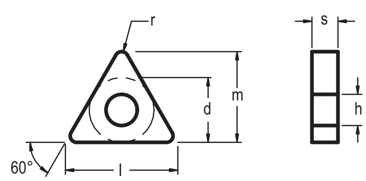
TNMG
3J Geometry

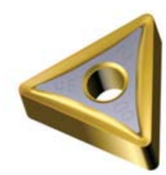


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032790	TNMG160404E-3J	SP4019	9,53	16,50	4,76	0,40	3,81		Medium
032791	TNMG160408E-3J	SP4019	9,53	16,50	4,76	0,80	3,81		Medium
032792	TNMG160412E-3J	SP4019	9,53	16,50	4,76	1,20	3,81		Medium
032793	TNMG220408E-3J	SP4019	12,70	22,00	4,76	0,80	5,16		Medium
032794	TNMG220412E-3J	SP4019	12,70	22,00	4,76	1,20	5,16		Medium
032795	TNMG220416E-3J	SP4019	12,70	22,00	4,76	1,60	5,16		Medium

For Toolholders External: see pages 141 - 142 | Internal: see page 143

TNMG
4E Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
030534	TNMG160404E-4E	SP0819	9,53	16,50	4,76	0,40	3,81		Medium-Roughing
032926	TNMG160404E-4E	NL400	9,53	16,50	4,76	0,40	3,81		Medium-Roughing
030535	TNMG160408E-4E	SP0819	9,53	16,50	4,76	0,80	3,81		Medium-Roughing
032927	TNMG160408E-4E	NL400	9,53	16,50	4,76	0,80	3,81		Medium-Roughing
030536	TNMG160412E-4E	SP0819	9,53	16,50	4,76	1,20	3,81		Medium-Roughing
032928	TNMG160412E-4E	NL400	9,53	16,50	4,76	1,20	3,81		Medium-Roughing

For Toolholders External: see pages 141 - 142 | Internal: see page 143

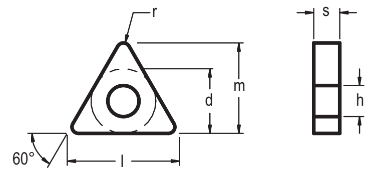
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

TNMG

4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032796	TNMG160304E-4T	NL300	9,53	16,50	3,18	0,40	3,81		Roughing
032797	TNMG160304E-4T	NL400	9,53	16,50	3,18	0,40	3,81		Roughing
032798	TNMG160304E-4T	NL920	9,53	16,50	3,18	0,40	3,81		Roughing
032799	TNMG160308E-4T	NL300	9,53	16,50	3,18	0,80	3,81		Roughing
032800	TNMG160308E-4T	NL400	9,53	16,50	3,18	0,80	3,81		Roughing
032801	TNMG160308E-4T	NL920	9,53	16,50	3,18	0,80	3,81		Roughing
032802	TNMG160404E-4T	NL250	9,53	16,50	4,76	0,40	3,81		Roughing
032803	TNMG160404E-4T	NL300	9,53	16,50	4,76	0,40	3,81		Roughing
032804	TNMG160404E-4T	NL400	9,53	16,50	4,76	0,40	3,81		Roughing
032805	TNMG160404E-4T	NL920	9,53	16,50	4,76	0,40	3,81		Roughing
032806	TNMG160408E-4T	NL250	9,53	16,50	4,76	0,80	3,81		Roughing
032807	TNMG160408E-4T	NL300	9,53	16,50	4,76	0,80	3,81		Roughing
032808	TNMG160408E-4T	NL400	9,53	16,50	4,76	0,80	3,81		Roughing
032809	TNMG160408E-4T	NL920	9,53	16,50	4,76	0,80	3,81		Roughing
032810	TNMG160412E-4T	NL250	9,53	16,50	4,76	1,20	3,81		Roughing
032811	TNMG160412E-4T	NL300	9,53	16,50	4,76	1,20	3,81		Roughing
032812	TNMG160412E-4T	NL400	9,53	16,50	4,76	1,20	3,81		Roughing
032813	TNMG160412E-4T	NL920	9,53	16,50	4,76	1,20	3,81		Roughing

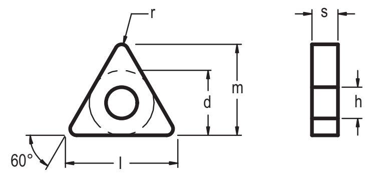
For Toolholders External: see pages 141 - 142 | Internal: see page 143

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

TNMG
4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032814	TNMG220404E-4T	NL250	12,70	22,00	4,76	0,40	5,16		Roughing
032815	TNMG220404E-4T	NL300	12,70	22,00	4,76	0,40	5,16		Roughing
032816	TNMG220404E-4T	NL400	12,70	22,00	4,76	0,40	5,16		Roughing
032817	TNMG220404E-4T	NL920	12,70	22,00	4,76	0,40	5,16		Roughing
032818	TNMG220408E-4T	NL250	12,70	22,00	4,76	0,80	5,16		Roughing
032819	TNMG220408E-4T	NL300	12,70	22,00	4,76	0,80	5,16		Roughing
032820	TNMG220408E-4T	NL400	12,70	22,00	4,76	0,80	5,16		Roughing
032821	TNMG220408E-4T	NL920	12,70	22,00	4,76	0,80	5,16		Roughing
032822	TNMG220412E-4T	NL250	12,70	22,00	4,76	1,20	5,16		Roughing
032823	TNMG220412E-4T	NL300	12,70	22,00	4,76	1,20	5,16		Roughing
032824	TNMG220412E-4T	NL400	12,70	22,00	4,76	1,20	5,16		Roughing
032825	TNMG220412E-4T	NL920	12,70	22,00	4,76	1,20	5,16		Roughing
032826	TNMG220416E-4T	NL250	12,70	22,00	4,76	1,60	5,16		Roughing
032827	TNMG220416E-4T	NL300	12,70	22,00	4,76	1,60	5,16		Roughing
032828	TNMG220416E-4T	NL400	12,70	22,00	4,76	1,60	5,16		Roughing
032829	TNMG220416E-4T	NL920	12,70	22,00	4,76	1,60	5,16		Roughing
032830	TNMG220432E-4T	NL300	12,70	22,00	4,76	3,20	5,16		Roughing

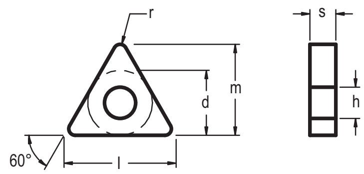
For Toolholders External: see pages 141 - 142 | Internal: see page 143

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

TNMG
4T Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032831	TNMG270608E-4T	NL250	15,88	27,50	6,35	0,80	6,35		Roughing
032832	TNMG270608E-4T	NL300	15,88	27,50	6,35	0,80	6,35		Roughing
032833	TNMG270608E-4T	NL400	15,88	27,50	6,35	0,80	6,35		Roughing
032834	TNMG270608E-4T	NL920	15,88	27,50	6,35	0,80	6,35		Roughing
032835	TNMG270612E-4T	NL250	15,88	27,50	6,35	1,20	6,35		Roughing
032836	TNMG270612E-4T	NL300	15,88	27,50	6,35	1,20	6,35		Roughing
032837	TNMG270612E-4T	NL400	15,88	27,50	6,35	1,20	6,35		Roughing
032838	TNMG270612E-4T	NL920	15,88	27,50	6,35	1,20	6,35		Roughing
032839	TNMG270616E-4T	NL250	15,88	27,50	6,35	1,60	6,35		Roughing
032840	TNMG270616E-4T	NL300	15,88	27,50	6,35	1,60	6,35		Roughing
032841	TNMG270616E-4T	NL400	15,88	27,50	6,35	1,60	6,35		Roughing
032842	TNMG270616E-4T	NL920	15,88	27,50	6,35	1,60	6,35		Roughing
032843	TNMG270632E-4T	NL300	15,88	27,50	6,35	3,20	6,35		Roughing
032844	TNMG330924E-4T	NL300	19,05	33,50	9,53	2,40	7,92		Roughing
032845	TNMG330924E-4T	NL400	19,05	33,50	9,53	2,40	7,92		Roughing
032846	TNMG330924E-4T	NL920	19,05	33,50	9,53	2,40	7,92		Roughing

For Toolholders External: see pages 141 - 142 | Internal: see page 143

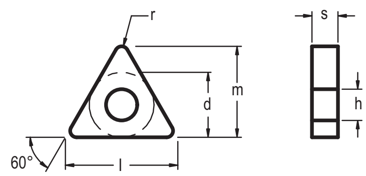
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram® Cutting Tool Systems

TNMG
4U Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032847	TNMG160408E-4U	NL200	9,53	16,50	4,76	0,80	3,81		Roughing
032848	TNMG160412E-4U	NL200	9,53	16,50	4,76	1,20	3,81		Roughing
032849	TNMG220408E-4U	NL200	12,70	22,00	4,76	0,80	5,16		Roughing
032850	TNMG220412E-4U	NL200	12,70	22,00	4,76	1,20	5,16		Roughing
032851	TNMG220416E-4U	NL200	12,70	22,00	4,76	1,60	5,16		Roughing

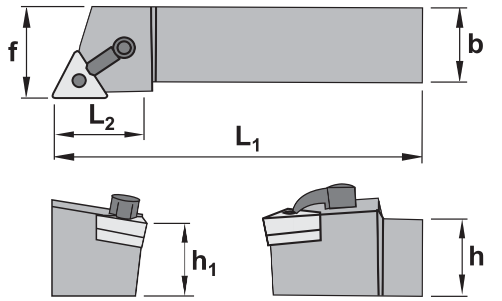
For Toolholders External: see pages 141 - 142 | Internal: see page 143

Material Guide – Key to Recommended Inserts

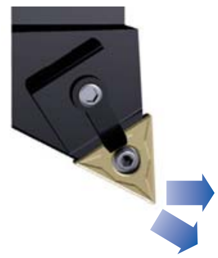
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

MTJN 93°



MTJN LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
028557	MTJNL 2020 K 16-S	LH	TN_1604	20	20	25	125	28
028558	MTJNL 2525 M16-S	LH	TN_1604	25	25	32	150	28
028563	MTJNR 2020 K16-S	RH	TN_1604	20	20	25	125	28
028564	MTJNR 2525 M16-S	RH	TN_1604	25	25	32	150	28
028560	MTJNL 2525 M22 -S	LH	TN_2204	25	25	32	150	34
028562	MTJNL 3232 P22-S	LH	TN_2204	32	32	40	170	34
028566	MTJNR 2525 M22-S	RH	TN_2204	25	25	32	150	34
028568	MTJNR 3232 P22 -S	RH	TN_2204	32	32	40	170	34



M Style External Toolholder
Negative Inserts: TN_1604, & TN_2204
Application:- Turn O/D
Axial Approach 93°
Axial -6°
Radial -6°
Profiling Clearance Angle β = 24°
RH Holder Shown

<table>
<tr><th colspan="13">MTJNL/R Spare Parts</th></tr>
<tr><th>Item Description</th><th colspan="2">Clamp Screw EDP</th><th colspan="2">Clamp EDP</th><th colspan="2">Clamp Key EDP</th><th colspan="2">Lock Pin EDP</th><th colspan="2">Lock Pin Key EDP</th><th colspan="2">Anvil EDP</th></tr>
<tr><td>MTJNL/R 2020 K16-S</td><td rowspan="4">028575</td><td rowspan="4">1086</td><td rowspan="4">034490</td><td rowspan="4">CL2613</td><td rowspan="4">018286</td><td rowspan="4">KH5003</td><td rowspan="4">034511</td><td rowspan="4">1665</td><td rowspan="2">028578</td><td rowspan="2">KH5002</td><td rowspan="2">001714</td><td rowspan="2">ITSN323</td></tr>
<tr><td>MTJNL/R 2525 M16-S</td></tr>
<tr><td>MTJNL/R 2525 M22-S</td><td rowspan="2">018285</td><td rowspan="2">KH5025</td><td rowspan="2">001689</td><td rowspan="2">ITSN433</td></tr>
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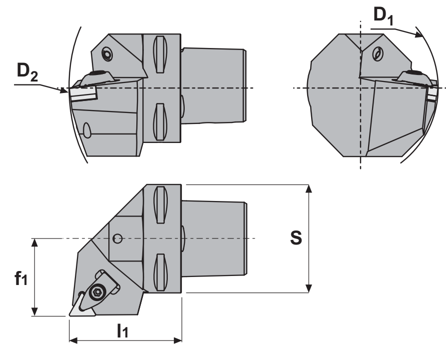
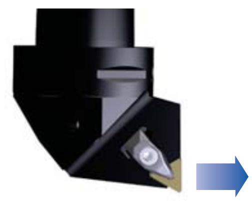
DTGN 90°



DTGN LH & RH External PSC Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				S	D1	D2	f1	l1
033701	C5-50-DTGNL35060-16	LH	TN_1604	50	110	165	35	60
033702	C5-50-DTGNR35060-16	RH	TN_1604	50	110	165	35	60
033703	C6-63-DTGNL45065-16	LH	TN_1604	63	110	190	45	65
033704	C6-63-DTGNR45065-16	RH	TN_1604	63	110	190	45	65



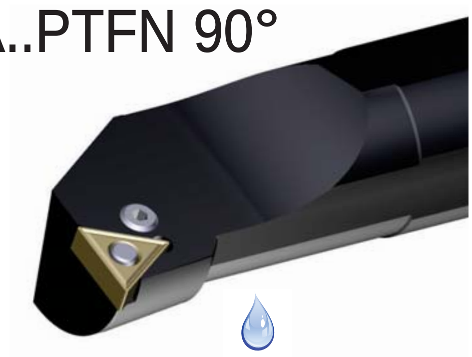
D Style External Toolholder
for Negative Inserts:
TN_1604
Application: External Turn O/D
Approach 90°
Axial -6°
Radial -6°
Profilling Clearence Angle β = 0°
RH Holder Shown

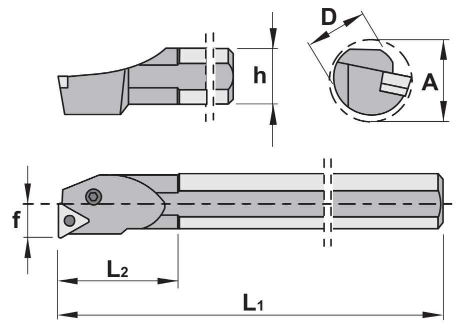
C, DTGNL/R Spare Parts

Item Description	Clamp EDP		Clamp Screw EDP		Anvil EDP		Anvil Screw EDP		Clamp Spring EDP		Screw Key EDP	
C5-50-DTGNL/R 35060-16 C6-63-DTGNL/R 45065-16	033709	2708	033711	1695	033714	ITSN342	033718	1764	033720	4294	018286	KH5003

Stellram®
Cutting Tool Systems

A..PTFN 90°





A..PTFN LH & RH Internal Boring Bars

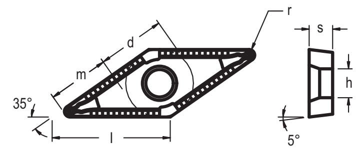
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)						
				Min Bore Ø A	ØD	f	L_1	L_2	h	Through Coolant
028710	A25R PTFNL 16	LH	TN_1604	31	25	17	200	42	23	
028711	A32S PTFNL 16	LH	TN_1604	39	32	22	250	45	30	
028713	A25R PTFNR 16	RH	TN_1604	31	25	17	200	42	23	
028714	A32S PTFNR 16	RH	TN_1604	39	32	22	250	45	30	
028712	A40T PTFNL 22	LH	TN_2204	48	40	27	300	50	37	
028715	A40T PTFNR 22	RH	TN_2204	48	40	27	300	50	37	

P Style Internal Boring Bar
for Negative Inserts:
TN_1604 & TN_2204
Application: I/D Boring
Axial Approach =90°
Axial -6°
Radial -11°
Profiling Clearance Angle β = 0°
RH Bar Shown

A..PTFNL/R Spare Parts

Item Description	*Lever EDP*		*Lever Screw EDP*		*Anvil EDP*		*Anvil Clip EDP*		*Clip Punch EDP*		*Key EDP*	
A25R PTFNL/R 16	*022652*	PL8216	*028741*	PLS1605	-	-	-	-	-	-	*028578*	KH5002
A32S PTFNL/R 16	*017442*	PL8009	*017447*	PLS1606	*017463*	PA3416	*034503*	PC4109	*028053*	PCP0009	*018285*	KH5025
A40T PTFNL/R 22	*017443*	PL8012	*017448*	PLS1608	*017464*	PA3422	*017453*	PC4112	*028054*	PCP0012	*018286*	KH5003

VBGT
-62 Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
031665	VBGT160402E-62	SP4019	9,53	16,60	6,35	0,20	4,40		Finishing
031666	VBGT160404E-62	SP4019	9,53	16,60	6,35	0,40	4,40		Finishing
031667	VBGT160408E-62	SP4019	9,53	16,60	6,35	0,80	4,40		Finishing

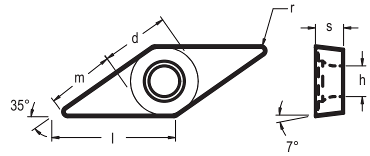
For Toolholders External: see pages 148 - 153 | Internal: see pages 154 - 156

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

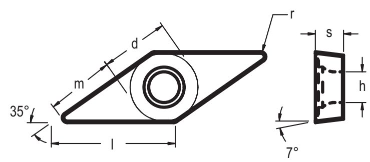
VCGT
M Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032852	VCGT130301F-M	GH1	7,94	13,80	3,97	0,10	3,40		Medium
034463	VCGT130301E-M	SP4019	7,94	13,80	3,97	0,10	3,40		Medium
032854	VCGT130302F-M	GH1	7,94	13,80	3,97	0,20	3,40		Medium
034461	VCGT130302E-M	SP4019	7,94	13,80	3,97	0,20	3,40		Medium
032856	VCGT130304F-M	GH1	7,94	13,80	3,97	0,40	3,40		Medium
034462	VCGT130304E-M	SP4019	7,94	13,80	3,97	0,40	3,40		Medium

For Toolholders External: see pages 148, 151 - 153 | Internal: see pages 155 - 156

VCGT & VCGX
-62 Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031608	VCGX1103005E-62	SP4019	6,35	10,07	3,18	0,05	2,80		Finishing
031609	VCGT110301E-62	SP4019	6,35	10,07	3,18	0,10	2,80		Finishing
031610	VCGT110302E-62	SP4019	6,35	10,07	3,18	0,20	2,80		Finishing
031611	VCGT110304E-62	SP4019	6,35	10,07	3,18	0,40	2,80		Finishing
030594	VCGT130301E-62	SP4019	7,94	13,80	3,18	0,10	3,40		Finishing
030595	VCGT130302E-62	SP4019	7,94	13,80	3,18	0,20	3,40		Finishing
030596	VCGT130304E-62	SP4019	7,94	13,80	3,18	0,40	3,40		Finishing

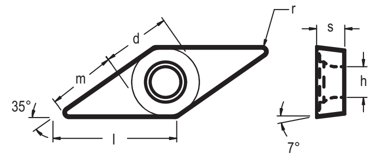
For Toolholders External: see pages 148, 151 - 153 | Internal: see pages 155 - 156

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

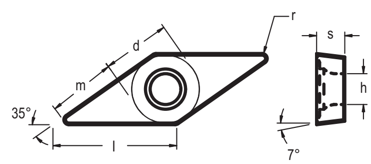
VCGT
-64 Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
014071	VCGT160408F-64	GH1	9,53	16,60	4,76	0,80	4,40		Finishing

For Toolholders External: see pages 148, 151 - 153 | Internal: see pages 155 - 156

VCGT
-66 Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
027453	VCGT130302F-66	GH1	7,94	13,80	3,18	0,20	3,40		Finishing
027454	VCGT130304F-66	GH1	7,94	13,80	3,18	0,40	3,40		Finishing
027455	VCGT130308F-66	GH1	7,94	13,80	3,18	0,80	3,40		Finishing

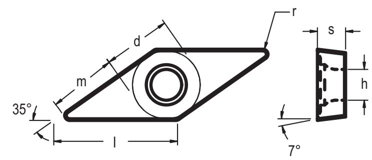
For Toolholders External: see pages 148, 151 - 153 | Internal: see pages 155 - 156

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels **P** Alloyed Steels **M** Stainless Steels **M** PH Stainless **K** Cast Irons **N** Aluminum & Alloys **S** High Temp. Alloys **H** Hard Materials

VCMT
M Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032858	VCMT160404E-M	GH1	9,53	16,60	4,76	0,40	4,40		Medium
032276	VCMT160404E-M	SP4019	9,53	16,60	4,76	0,40	4,40		Medium
032859	VCMT160408E-M	GH1	9,53	16,60	4,76	0,80	4,40		Medium
032282	VCMT160408E-M	SP4019	9,53	16,60	4,76	0,80	4,40		Medium

For Toolholders External: see pages 148, 151 - 153 | Internal: see pages 155 - 156

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

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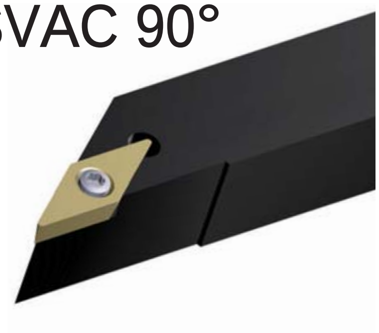
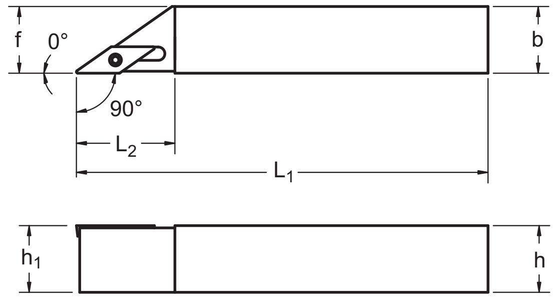
Cutting Tool Systems

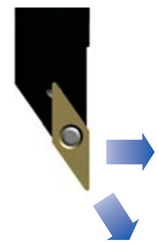
SVAC 90°





SVAC LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
033593	SVACL 1010 M11	LH	VC_1103	10	10	10	150	-
033594	SVACL 1212 M11	LH	VC_1103	12	12	12	150	-
033595	SVACL 1616 M11	LH	VC_1103	16	16	16	150	-
033596	SVACR 1010 M11	RH	VC_1103	10	10	10	150	-
033597	SVACR 1212 M11	RH	VC_1103	12	12	12	150	-
033598	SVACR 1616 M11	RH	VC_1103	16	16	16	150	-
025092	SVACL 1010 M13	LH	VC_1303	10	10	10	150	30
025094	SVACL 1212 M13	LH	VC_1303	12	12	12	150	30
025096	SVACL 1616 M13	LH	VC_1303	16	16	16	150	30
025098	SVACL 2020 K13	LH	VC_1303	20	20	20	125	30
025091	SVACR 1010 M13	RH	VC_1303	10	10	10	150	30
025093	SVACR 1212 M13	RH	VC_1303	12	12	12	150	30
025095	SVACR 1616 M13	RH	VC_1303	16	16	16	150	30
025097	SVACR 2020 K13	RH	VC_1303	20	20	20	125	30



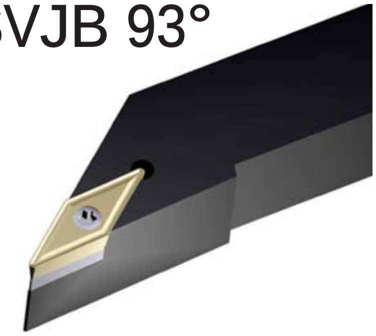
S Style External Toolholder
Positive Inserts VC_1103, and VC_1303
Application: O/D Profiling
Approach 90°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 52°
RH Holder Shown

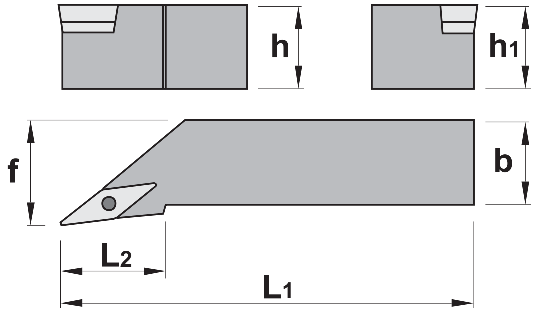
SVACL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SVACL/R 1010 M11								
SVACL/R 1212 M11	15061	F2507T	18488	T7	-	-	-	-
SVACL/R 1616 M11								
SVACL/R 1010 M13								
SVACL/R 1212 M13	15063	F3008T	013214	T9	-	-	-	-
SVACL/R 1616 M13								
SVACL/R 2020 K13								

Stellram®
Cutting Tool Systems

SVJB 93°



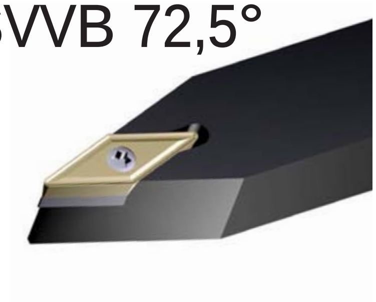


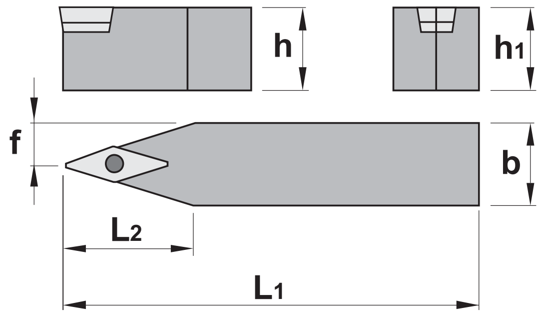
SVJB LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
028641	SVJBL 2020 K16	LH	VB_1604	20	20	25	125	34
028642	SVJBL 2525 M16	LH	VB_1604	25	25	32	150	34
028644	SVJBR 2020 K16	RH	VB_1604	20	20	25	125	34
028645	SVJBR 2525 M16	RH	VB_1604	25	25	32	150	34

S Style External Toolholder
for Positive Inserts: VB_1604
Application: O/D Profiling
Approach 93°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 49°
RH Holder Shown

SVJBL/R Spare Parts								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SVJBL/R 2020 K16 SVJBL/R 2525 M16	034497	1335	*028475*	K5516	*028740*	SA3718	*028478*	SAS1750

SVVB 72,5°





SVVB Neutral External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033599	SVVBN 2020 K16	Neutral	VB_1604	20	20	10	125	-
033600	SVVBN 2525 M16	Neutral	VB_1604	25	25	12,5	150	-

S Style External Toolholder
for Positive Inserts: VB_1604
Application: O/D Profiling
Approach 72,5°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 69,5°
Neutral Holder Shown

SVVBL N Spare Parts								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SVVBN 2020 K16 SVVBN 2525 M16	034497	1335	*028475*	K5516	*028740*	SA3718	*028478*	SAS1750

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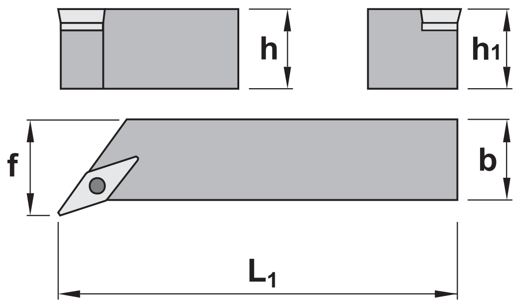
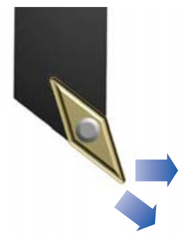
Cutting Tool Systems

SVHC 107,5°



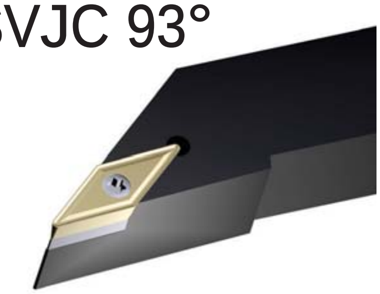
SVHC LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
028635	SVHCL 2020 K16	LH	VC_1604	20	20	25	125	-
028636	SVHCL 2525 M16	LH	VC_1604	25	25	32	150	-
033607	SVHCL 3225 P16	LH	VC_1604	32	25	32	170	-
028638	SVHCR 2020 K16	RH	VC_1604	20	20	25	125	-
028639	SVHCR 2525 M16	RH	VC_1604	25	25	32	150	-
033608	SVHCR 3225 P16	RH	VC_1604	32	25	32	170	-

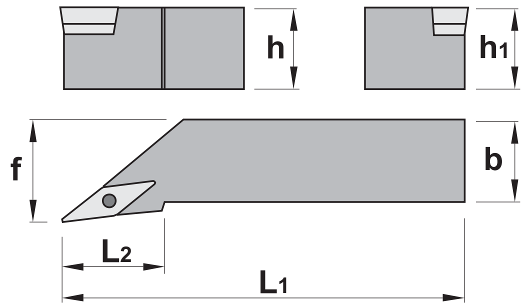


S Style External Toolholder
for Positive Inserts: VC_1604
Application: O/D and Face Profiling
Approach 107,5°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 44,5°
RH Holder Shown

SVHCL/R Spare Parts								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SVHCL/R 2020 K16	034497	1335	*028475*	K5516	*028740*	SA3718	*028478*	SAS1750
SVHCL/R 2525 M16								
SVHCL/R 3232 P16								

SVJC 93°





SVJC LH & RH External Square Shank Toolholders

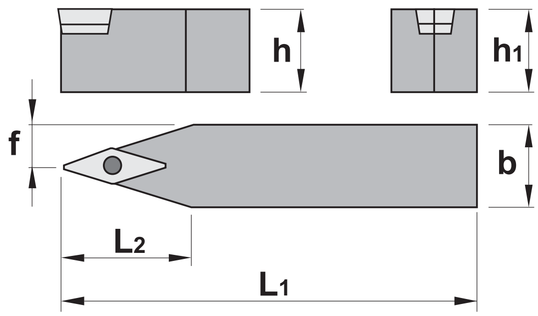
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033615	SVJCL 1010 M11	LH	VC_1103	10	10	10	150	-
033616	SVJCL 1212 M11	LH	VC_1103	12	12	12	150	-
033617	SVJCL 1616 M11	LH	VC_1103	16	16	16	150	-
033618	SVJCL 2020 K11	LH	VC_1103	20	20	25	125	25
033619	SVJCR 1010 M11	RH	VC_1103	10	10	10	150	-
033620	SVJCR 1212 M11	RH	VC_1103	12	12	12	150	-
033621	SVJCR 1616 M11	RH	VC_1103	16	16	16	150	-
033622	SVJCR 2020 K11	RH	VC_1103	20	20	25	125	25
018330	SVJCL 1212 F13	LH	VC_1303	12	12	16	80	26
018331	SVJCL 1616 H13	LH	VC_1303	16	16	20	100	30
018333	SVJCL 2020 K13	LH	VC_1303	20	20	25	125	30
018337	SVJCR 1212 F13	RH	VC_1303	12	12	16	80	26
018338	SVJCR 1616 H13	RH	VC_1303	16	16	20	100	30
018340	SVJCR 2020 K13	RH	VC_1303	20	20	25	125	30
028648	SVJCL 2020 K16	LH	VC_1604	20	20	25	125	34
028649	SVJCL 2525 M16	LH	VC_1604	25	25	32	150	34
028651	SVJCR 2020 K16	RH	VC_1604	20	20	25	125	34
028652	SVJCR 2525 M16	RH	VC_1604	25	25	32	150	34

S Style External Toolholder
for Positive Inserts:
VC_1103, VC_1303, and VC_1604
Application: O/D Profiling
Approach 93°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 49°
RH Holder Shown

SVJCL/R Spare Parts

Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SVJCL/R 1010 M11 SVJCL/R 1212 M11 SVJCL/R 1616 M11 SVJCL/R 2020 K11	015061	F2507T	18488	T7	-	-	-	-
SVJCL/R 1212 F13 SVJCL/R 1616 H13 SVJCL/R 2020 K13	015063	F3008T	013214	T9	-	-	-	-
SVJCL/R 2020 K16 SVJCL/R 2525 M16	034497	1335	028475	K5516	028740	SA3718	028478	SAS1750

SVVC 72,5°

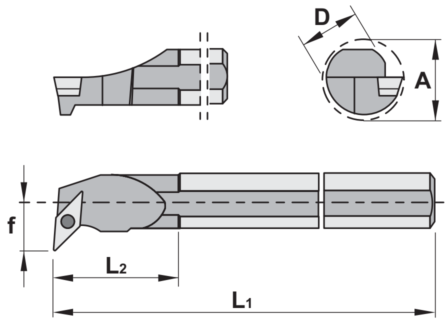


SVVC Neutral External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033639	SVVCN 1212 M11	Neutral	VC_1103	12	12	6	150	-
033640	SVVCN 1616 M11	Neutral	VC_1103	16	16	8	150	-
033641	SVVCN 2020 K11	Neutral	VC_1103	20	20	10	125	-
018344	SVVCN 1212 F13	Neutral	VC_1303	12	12	6	150	28
018345	SVVCN 1616 H13	Neutral	VC_1303	16	16	8	150	28
018346	SVVCN 2020 K13	Neutral	VC_1303	20	20	10	125	28
028653	SVVCN 2020 K16	Neutral	VC_1604	20	20	10	125	-
028654	SVVCN 2525 M16	Neutral	VC_1604	25	25	12,5	150	-

S Style External Toolholder
for Positive Inserts:
VC_1103, VC_1303 and VC_1604
Application: O/D Profiling
Approach 72,5°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 69,5°
Neutral Holder Shown

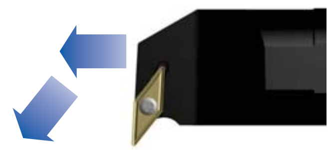
SVVC N Spare Parts								
Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
SVVCN 1212 M11	*015061*	F2507T	*018488*	T7	-	-	-	-
SVVCN 1616 M11								
SVVCN 2020 K11								
SVVCN 1212 F13	*015063*	F3008T	*013214*	T9	-	-	-	-
SVVCN 1616 H13								
SVVCN 2020 K13								
SVVCN 2020 K16	034497	1335	*028475*	K5516	*028740*	SA3718	*028478*	SAS1750
SVVCN 2525 M16								

SVUB 93°



S.. SVUB LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L_1	L_2	Through Coolant
033642	S25R SVUBL 16	LH	VB_1604	31	25	17	300	42	
033643	S32S SVUBL 16	LH	VB_1604	39	32	22	350	45	
033644	S25R SVUBR 16	RH	VB_1604	31	25	17	300	42	
033645	S32S SVUBR 16	RH	VB_1604	39	32	22	350	45	



S Style Boring Bar
for Positive Inserts: VB_1604
Application: I/D Profiling
Aproach 93°
Axial 0°
Radial -6°
Profilling Clearance Angle β = 49°
RH Bar Shown

S.. SVUBL/R Spare Parts

Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
S25R SVUBL/R 16	*015262*	D4010T	*015240*	T15	-	-	-	-
S32S SVUBL/R 16	034497	1335	*028475*	K5516	*028740*	SA3718	*028478*	SAS1750

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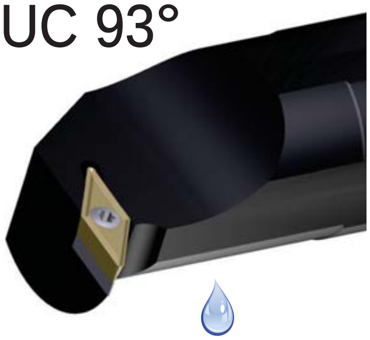
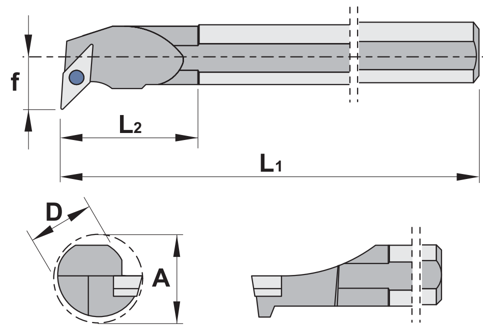
Cutting Tool Systems

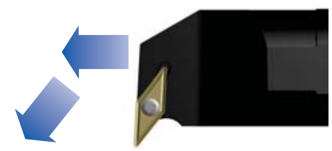
SVUC 93°





A.. SVUC LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	L2	Through Coolant
033650	A16M SVUCL 11	LH	VC_1103	20	16	11	150	31	
033651	A20Q SVUCL 11	LH	VC_1103	25	20	13	180	36	
033652	A16M SVUCR 11	RH	VC_1103	20	16	11	150	31	
033653	A20Q SVUCR 11	RH	VC_1103	25	20	13	180	36	
018443	A20Q SVUCL 13	LH	VC_1303	24	20	13	180	-	
018445	A25S SVUCL 13	LH	VC_1303	31	25	17	259	-	
018444	A20Q SVUCR 13	RH	VC_1303	24	20	13	180	-	
018446	A25S SVUCR 13	RH	VC_1303	31	25	17	259	-	
033654	A25R SVUCL 16	LH	VC_1604	31	25	17	200	42	
033655	A32S SVUCL 16	LH	VC_1604	39	32	22	250	45	
033656	A25R SVUCR 16	RH	VC_1604	31	25	17	200	42	
033657	A32S SVUCR 16	RH	VC_1604	39	32	22	250	45	



S Style Boring Bar
for Positive Inserts:
VC_1103, VC_1303, and VC_1604
Application: I/D Profiling
Aproach 93°
Axial 0°
Radial -6°
Profilling Clearance Angle β = 49°
RH Bar Shown

A.. SVUCL/R Spare Parts

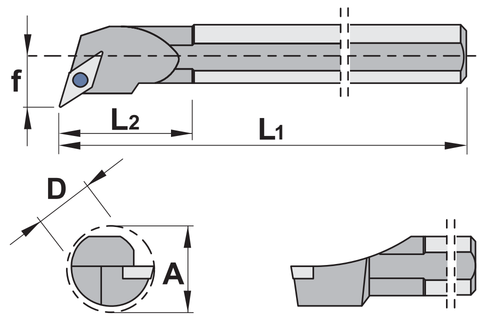
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
A16M SVUCL/R 11 A20Q SVUCL/R 11	015061	F2507T	018488	T7	-	-	-	-
A20Q SVUCL/R 13 A25S SVUCL/R 13	015063	F3008T	013214	T9	-	-	-	-
A25R SVUCL/R 16 A32S SVUCL/R 16	034497	1335	028475	K5516	028740	SA3718	028478	SAS1750

Stellram®
Cutting Tool Systems

V Style

Internal Boring Bars

SVQC 107,5°



S Style Boring Bar
for Positive Inserts:
VC_1103, VC_1303 and VC_1604
Application: I/D Profiling
Aproach 107,5°
Axial 0°
Radial -6°
Profilling Clearance Angle β = 34,5°
RH Bar Shown

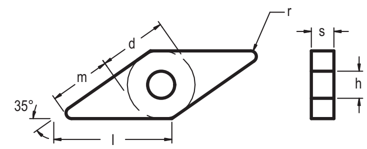
S.. SVQC LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm) Min Bore Ø A	ØD	f	L_1	L_2	Through Coolant
033668	S16R SVQCL 11	LH	VC_1103	20	16	11	200	31	
033669	S20S SVQCL 11	LH	VC_1103	24	20	13	250	36	
033670	S16R SVQCR 11	RH	VC_1103	20	16	11	200	31	
033671	S20S SVQCR 11	RH	VC_1103	24	20	13	250	36	
033672	S16R SVQCL 13	LH	VC_1303	20	16	11	200	31	
033673	S20S SVQCL 13	LH	VC_1303	24	20	13	250	36	
033674	S16R SVQCR 13	RH	VC_1303	20	16	11	200	31	
033675	S20S SVQCR 13	RH	VC_1303	24	20	13	250	36	
033676	S25T SVQCL 16	LH	VC_1604	31	25	17	300	42	
033677	S25T SVQCR 16	RH	VC_1604	31	25	17	300	42	

S.. SVQCL/R Spare Parts

Item Description	*Insert Screw EDP*		*Insert Key EDP*		*Anvil EDP*		*Anvil Screw EDP*	
S16R SVQCL/R 11	*015061*	F2507T	*018488*	T7	-	-	-	-
S20S SVQCL/R 11								
S16R SVQCL/R 13	*015063*	F3008T	*013214*	T9	-	-	-	-
S20S SVQCL/R 13								
S25T SVQCL/R 16	034497	1335	*028475*	K5516	*028740*	SA3718	*028478*	SAS1750

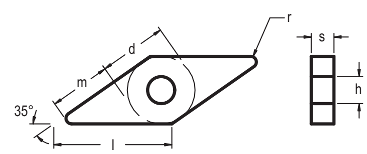
VNGG
3F Geometry

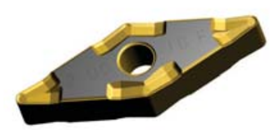


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031549	VNGG160402F-3F	SP0819	9,53	16,60	4,76	0,20	3,81		Medium
031550	VNGG160404F-3F	SP0819	9,53	16,60	4,76	0,40	3,81		Medium
031551	VNGG160408F-3F	SP0819	9,53	16,60	4,76	0,80	3,81		Medium

For Toolholders External: see pages 160 - 162 | Internal: see page 163

VNMG
1B Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
030882	VNMG160404E-1B	SP0819	9,53	16,60	4,76	0,40	3,81		Finishing
032860	VNMG160404E-1B	NL250	9,53	16,60	4,76	0,40	3,81		Finishing
032861	VNMG160408E-1B	NL250	9,53	16,60	4,76	0,80	3,81		Finishing
030883	VNMG160408E-1B	SP0819	9,53	16,60	4,76	0,80	3,81		Finishing

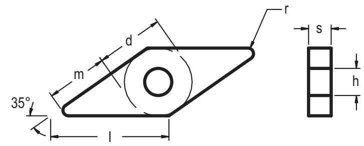
For Toolholders External: see pages 160 - 162 | Internal: see page 163

Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

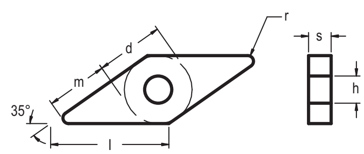
VNMG
2N Geometry

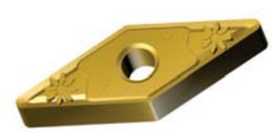


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032864	VNMG160404E-2N	NL250	9,53	16,60	4,76	0,40	3,81		Medium
032865	VNMG160404E-2N	NL300	9,53	16,60	4,76	0,40	3,81		Medium
032866	VNMG160404E-2N	NL920	9,53	16,60	4,76	0,40	3,81		Medium
032867	VNMG160408E-2N	NL250	9,53	16,60	4,76	0,80	3,81		Medium
032868	VNMG160408E-2N	NL300	9,53	16,60	4,76	0,80	3,81		Medium
032869	VNMG160408E-2N	NL920	9,53	16,60	4,76	0,80	3,81		Medium

For Toolholders External: see pages 160 - 162 | Internal: see page 163

VNMG
3J Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032873	VNMG160404E-3J	SP4019	9,53	16,60	4,76	0,40	3,81		Medium
032874	VNMG160408E-3J	SP4019	9,53	16,60	4,76	0,80	3,81		Medium

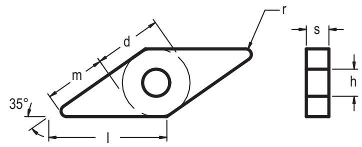
For Toolholders External: see pages 160 - 162 | Internal: see page 163

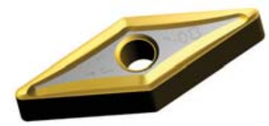
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

VNGG
4E Geometry

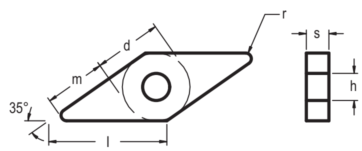


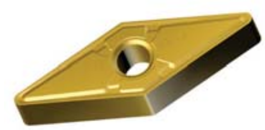


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
030537	VNMG160404E-4E	SP0819	9,53	16,60	4,76	0,40	3,81		Medium-Roughing
030538	VNMG160408E-4E	SP0819	9,53	16,60	4,76	0,80	3,81		Medium-Roughing

For Toolholders External: see pages 160 - 162 | Internal: see page 163

VNMG
4U Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032875	VNMG160404E-4U	NL200	9,53	16,60	4,76	0,40	3,81		Roughing
032876	VNMG160408E-4U	NL200	9,53	16,60	4,76	0,80	3,81		Roughing

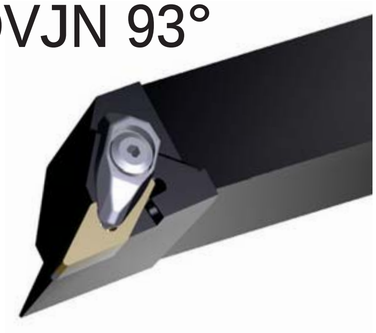
For Toolholders External: see pages 160 - 162 | Internal: see page 163

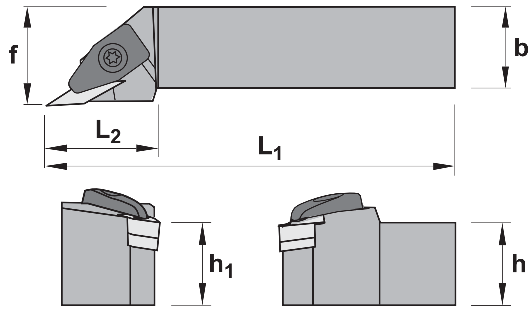
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

DVJN 93°

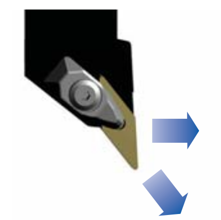




DVJN LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033401	DVJNL 2020 K16	LH	VN_1604	20	20	25	125	38
033402	DVJNL 2525 M16	LH	VN_1604	25	25	32	150	38
033403	*DVJNL 3225 P16	LH	VN_1604	32	25	32	170	38
033404	DVJNR 2020 K16	RH	VN_1604	20	20	25	125	38
033405	DVJNR 2525 M16	RH	VN_1604	25	25	32	150	38
033406	*DVJNR 3225 P16	RH	VN_1604	32	25	32	170	38

* Non Stock Items, subject to extended delivery time



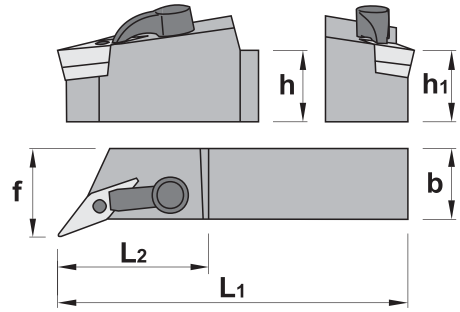
D Style External Toolholder
for Negative Inserts: VN_1604
Application: O/D Turn and Profile
Axial Approach 93°
Axial -6°
Radial -6°
Profiling Clearance Angle β = 49°
RH Holder Shown

DVJNL/R Spare Parts

Item Description	*Clamp Screw EDP*		*Clamp EDP*		*Clamp Spring EDP*		*Anvil EDP*		*Anvil Screw EDP*		*Clamp & Anvil Screw Key*	
DVJNL/R 2020 K16	*033711*	1695	*033709*	DC2708	*033720/*	4294	*001695*	IVSN322	*033718*	1764	*018286*	KH5003
DVJNL/R 2525 M16												
*DVJNL/R 3225 P16												

* Non Stock Items, subject to extended delivery time

MVQN 117,5°



EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033413	MVQNL 2020 K16	LH	VN_1604	20	20	25	125	42
033414	MVQNL 2525 M16	LH	VN_1604	25	25	32	150	42
033415	*MVQNL 3225 P16	LH	VN_1604	32	25	32	170	42
033416	MVQNR 2020 K16	RH	VN_1604	20	20	25	125	42
033417	MVQNR 2525 M16	RH	VN_1604	25	25	32	150	42
033418	*MVQNR 3225 P16	RH	VN_1604	32	25	32	170	42

MVQN LH & RH External Square Shank Toolholders

* Non Stock Items, subject to extended delivery time

M Style External Toolholder
for Negative Inserts: VN_1604
Application: Face and Profile Turn
Axial Approach 117,5°
Axial -8°
Radial -10°
Profiling Clearance Angle β = 36,5°
RH Holder Shown

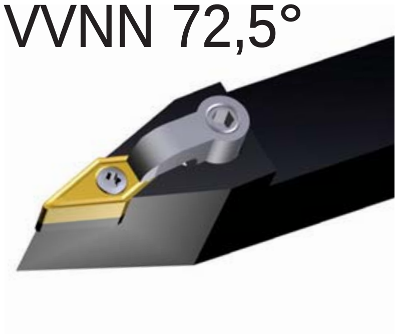
MVQNL/R Spare Parts

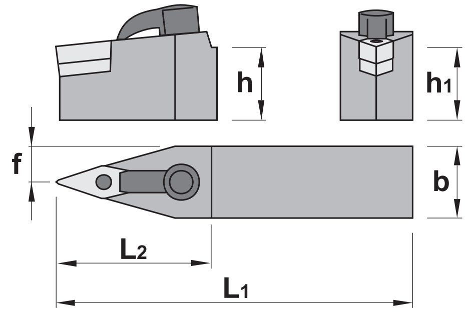
Item Description	Clamp Screw EDP		Clamp EDP		Clamp Key EDP		Lock Pin EDP		Lock Pin Key EDP		Anvil EDP	
MVQNL/R 2020 K16 MVQNL/R 2525 M16 *MVQNL/R 3225 Q16	028575	1086	034492	CL2616	018286	KH5003	034511	1665	028578	KH5002	001695	IVSN322

* Non Stock Items, subject to extended delivery time

Stellram®
Cutting Tool Systems

MVVNN 72,5°



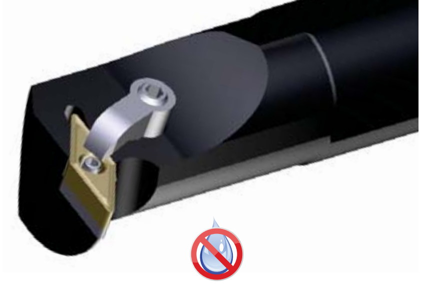


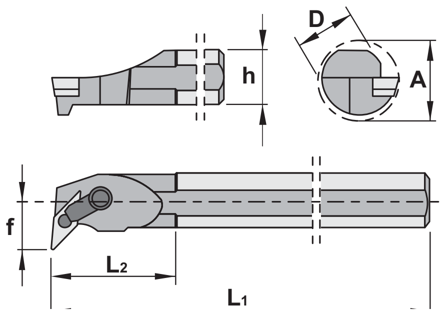
MVVNN Neutral External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				$h = h_1$	b	f	L_1	L_2
028549	MVVNN 2020 K16	Neutral	VN_1604	20	20	10	125	42
028550	MVVNN 2525 M16	Neutral	VN_1604	25	25	12,5	150	42

M Style External Toolholder
for Negative Inserts: VN_1604
Application: O/D Plunge and Profile
Axial Approach 72,5°
Axial -6 °
Radial 0°
Profiling Clearance Angle β = 69,5°
Neutral Holder Shown

MVVNNL/R Spare Parts											
Item Description	*Clamp Screw EDP*		*Clamp EDP*		*Clamp Key EDP*		*Lock Pin EDP*		*Lock Pin Key EDP*		*Anvil EDP*	
MVVNN 2020 K16 MVVNN 2525 M16	*028575*	1086	*034492*	CL2616	*018286*	KH5003	*034511*	1665	*028578*	KH5002	*001695*	IVSN322

S..MVUN 93°





S..MVUN LH & RH Internal Boring Bars

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)						
				Min Bore Ø A	ØD	f	L_1	L_2	h	Through Coolant
033471	S25T MVUNL 16	LH	VN_1604	31	25	17	300	42	23	
033472	S32U MVUNL 16	LH	VN_1604	39	32	22	350	45	30	
033473	S40V MVUNL 16	LH	VN_1604	48	40	27	400	50	37	
033474	S25T MVUNR 16	RH	VN_1604	31	25	17	300	42	23	
033475	S32U MVUNR 16	RH	VN_1604	39	32	22	350	45	30	
033476	S40V MVUNR 16	RH	VN_1604	48	40	27	400	50	37	

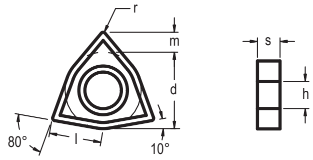
M Style External Toolholder
for Negative Inserts: VN_1604
Application: Internal I/D Boring and Profile
Axial Approach 93°
Axial -5°
Radial -15°
Profiling Clearance Angle β = 51°
RH Bar Shown

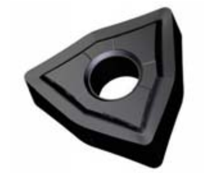
S.. MVUNL/R Spare Parts

Item Description	Clamp Screw EDP		Clamp EDP		Clamp Key EDP		Lock Pin EDP		Lock Pin Key EDP		Anvil EDP	
S25T MVUNL/R 16	034493	1186	034491	CL2614	018286	KH5003	034511	1665	028578	KH5002	001695	IVSN322
S32U MVUNL/R 16	028575	1086										
S40V MVUNL/R 16												

Stellram®
Cutting Tool Systems

WNGG
3F Geometry

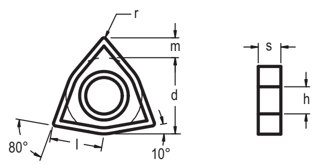


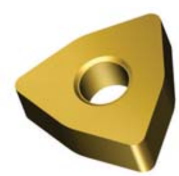


EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
031552	WNGG080402F-3F	SP0819	12,70	8,69	4,76	0,20	5,16		Medium
031553	WNGG080404F-3F	SP0819	12,70	8,69	4,76	0,40	5,16		Medium
031554	WNGG080408F-3F	SP0819	12,70	8,69	4,76	0,80	5,16		Medium

For Toolholders External: see page 170 | Internal: see page 171

WNMA
Flat Top





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032877	WNMA080408E	NL250	12,70	8,69	4,76	0,80	5,16		Heavy Roughing
032878	WNMA080412E	NL250	12,70	8,69	4,76	1,20	5,16		Heavy Roughing

For Toolholders External: see page 170 | Internal: see page 171

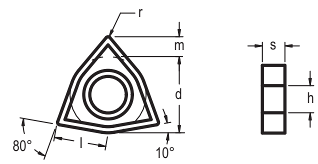
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

Stellram® Cutting Tool Systems

WNMG
1B Geometry



EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
030884	WNMG060404E-1B	SP0819	9,53	6,52	4,76	0,40	3,81		Finishing
032879	WNMG060408E-1B	NL250	9,53	6,52	4,76	0,80	3,81		Finishing
030885	WNMG060408E-1B	SP0819	9,53	6,52	4,76	0,80	3,81		Finishing
032880	WNMG080404E-1B	NL250	12,70	8,69	4,76	0,40	5,16		Finishing
030886	WNMG080404E-1B	SP0819	12,70	8,69	4,76	0,40	5,16		Finishing
032881	WNMG080408E-1B	NL250	12,70	8,69	4,76	0,80	5,16		Finishing
030887	WNMG080408E-1B	SP0819	12,70	8,69	4,76	0,80	5,16		Finishing
032882	WNMG080412E-1B	NL250	12,70	8,69	4,76	1,20	5,16		Finishing
030888	WNMG080412E-1B	SP0819	12,70	8,69	4,76	1,20	5,16		Finishing

For Toolholders External: see page 170 | Internal: see page 171

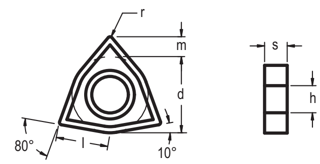
Material Guide – Key to Recommended Inserts

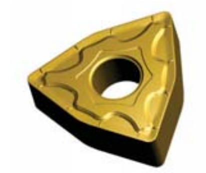
Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

Stellram® Cutting Tool Systems

WNMG
2N Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032884	WNMG060404E-2N	NL250	9,53	6,52	4,76	0,40	3,81		Medium
032885	WNMG060408E-2N	NL300	9,53	6,52	4,76	0,80	3,81		Medium
032886	WNMG060408E-2N	NL920	9,53	6,52	4,76	0,80	3,81		Medium
032887	WNMG080404E-2N	NL250	12,70	8,69	4,76	0,40	5,16		Medium
032888	WNMG080404E-2N	NL300	12,70	8,69	4,76	0,40	5,16		Medium
032889	WNMG080404E-2N	NL920	12,70	8,69	4,76	0,40	5,16		Medium
032890	WNMG080408E-2N	NL250	12,70	8,69	4,76	0,80	5,16		Medium
032891	WNMG080408E-2N	NL300	12,70	8,69	4,76	0,80	5,16		Medium
032892	WNMG080408E-2N	NL920	12,70	8,69	4,76	0,80	5,16		Medium
032893	WNMG080412E-2N	NL250	12,70	8,69	4,76	1,20	5,16		Medium
032894	WNMG080412E-2N	NL300	12,70	8,69	4,76	1,20	5,16		Medium
032895	WNMG080412E-2N	NL920	12,70	8,69	4,76	1,20	5,16		Medium
032896	WNMG080416E-2N	NL250	12,70	8,69	4,76	1,60	5,16		Medium
032897	WNMG080416E-2N	NL300	12,70	8,69	4,76	1,60	5,16		Medium
032898	WNMG080416E-2N	NL920	12,70	8,69	4,76	1,60	5,16		Medium

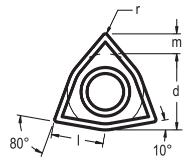
For Toolholders External: see page 170 | Internal: see page 171

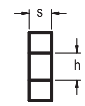
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

WNMG
3J Geometry

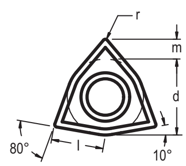


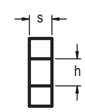


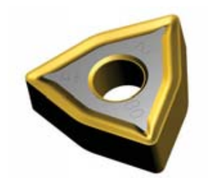
EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032899	WNMG060404E-3J	SP4019	9,53	6,52	4,76	0,40	3,81		Medium
032900	WNMG060408E-3J	SP4019	9,53	6,52	4,76	0,80	3,81		Medium
032901	WNMG080404E-3J	SP4019	12,70	8,69	4,76	0,40	5,16		Medium
032902	WNMG080408E-3J	SP4019	12,70	8,69	4,76	0,80	5,16		Medium
032903	WNMG080412E-3J	SP4019	12,70	8,69	4,76	1,20	5,16		Medium

For Toolholders External: see page 170 | Internal: see page 171

WNMG
4E Geometry







EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
030519	WNMG060404E-4E	SP0819	9,53	6,52	4,76	0,40	3,81		Medium-Roughing
030520	WNMG060408E-4E	SP0819	9,53	6,52	4,76	0,80	3,81		Medium-Roughing
031183	WNMG060412E-4E	SP0819	9,53	6,52	4,76	1,20	3,81		Medium-Roughing
030521	WNMG080404E-4E	SP0819	12,70	8,69	4,76	0,40	5,16		Medium-Roughing
032904	WNMG080404E-4E	NL400	12,70	8,69	4,76	0,40	5,16		Medium-Roughing
030522	WNMG080408E-4E	SP0819	12,70	8,69	4,76	0,80	5,16		Medium-Roughing
032905	WNMG080408E-4E	NL400	12,70	8,69	4,76	0,80	5,16		Medium-Roughing
032906	WNMG080412E-4E	NL400	12,70	8,69	4,76	1,20	5,16		Medium-Roughing
030523	WNMG080412E-4E	SP0819	12,70	8,69	4,76	1,20	5,16		Medium-Roughing

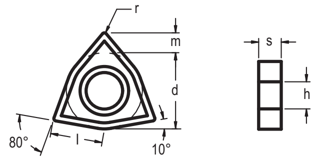
For Toolholders External: see page 170 | Internal: see page 171

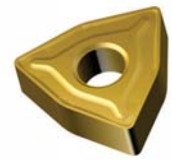
Material Guide – Key to Recommended Inserts

Material Designation

P Unalloyed Steels | P Alloyed Steels | M Stainless Steels | M PH Stainless | K Cast Irons | N Aluminum & Alloys | S High Temp. Alloys | H Hard Materials

WNMG
4T Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
034458	WNMG060408E-4T	NL300	9,53	6,52	4,76	0,80	3,81		Roughing
034459	WNMG060408E-4T	NL920	9,53	6,52	4,76	0,80	3,81		Roughing
032909	WNMG060412E-4T	NL300	9,53	6,52	4,76	1,20	3,81		Roughing
032910	WNMG060412E-4T	NL920	9,53	6,52	4,76	1,20	3,81		Roughing
032911	WNMG080408E-4T	NL250	12,70	8,69	4,76	0,80	5,16		Roughing
032912	WNMG080408E-4T	NL300	12,70	8,69	4,76	0,80	5,16		Roughing
032913	WNMG080408E-4T	NL400	12,70	8,69	4,76	0,80	5,16		Roughing
032914	WNMG080408E-4T	NL920	12,70	8,69	4,76	0,80	5,16		Roughing
032915	WNMG080412E-4T	NL250	12,70	8,69	4,76	1,20	5,16		Roughing
032916	WNMG080412E-4T	NL300	12,70	8,69	4,76	1,20	5,16		Roughing
032917	WNMG080412E-4T	NL400	12,70	8,69	4,76	1,20	5,16		Roughing
032918	WNMG080412E-4T	NL920	12,70	8,69	4,76	1,20	5,16		Roughing
032919	WNMG080416E-4T	NL300	12,70	8,69	4,76	1,60	5,16		Roughing
032920	WNMG080416E-4T	NL400	12,70	8,69	4,76	1,60	5,16		Roughing
032921	WNMG080416E-4T	NL920	12,70	8,69	4,76	1,60	5,16		Roughing

For Toolholders External: see page 170 | Internal: see page 171

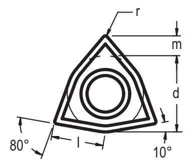
Material Guide – Key to Recommended Inserts

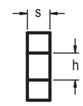
Material Designation

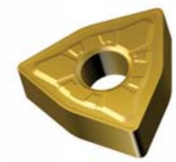
P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

WNMG

4U Geometry







EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	rε	h		
032922	WNMG080408E-4U	NL200	12,70	8,69	4,76	0,80	5,16		Roughing
032923	WNMG080412E-4U	NL200	12,70	8,69	4,76	1,20	5,16		Roughing

For Toolholders External: see page 170 | Internal: see page 171

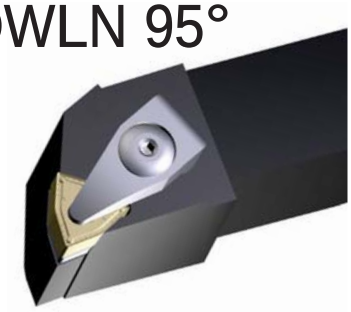
Material Guide – Key to Recommended Inserts

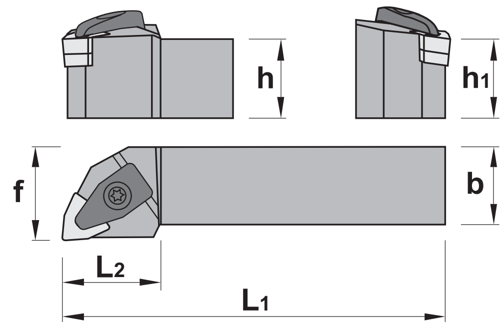
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · K Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

Stellram®
Cutting Tool Systems

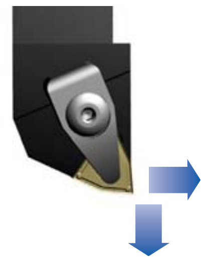
DWLN 95°





DWLN LH & RH External Square Shank Toolholders

EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h1	b	f	L1	L2
033430	DWLNL 2020 K06	LH	WN_0604	20	20	25	125	25
033431	DWLNL 2525 M06	LH	WN_0604	25	25	32	150	25
033432	DWLNR 2020 K06	RH	WN_0604	20	20	25	125	25
033433	DWLNR 2525 M06	RH	WN_0604	25	25	32	150	25
033434	DWLNL 2020 K08	LH	WN_0804	20	20	25	125	34
033435	DWLNL 2525 M08	LH	WN_0804	25	25	32	150	34
033436	DWLNL 3232 P08	LH	WN_0804	32	32	40	170	34
033437	DWLNR 2020 K08	RH	WN_0804	20	20	25	125	34
033438	DWLNR 2525 M08	RH	WN_0804	25	25	32	150	34
033439	DWLNR 3232 P08	RH	WN_0804	32	32	40	170	34

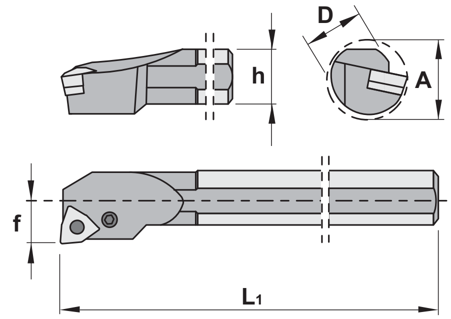


D Style External Toolholder
for Negative Inserts:
WN_0604, & WN_0804
Application: O/D Face and Turn
Axial Approach 95°
Axial -6°
Radial -6°
Profiling Clearance Angle β = 0°
RH Holder Shown

DWLNL/R Spare Parts

Item Description	Clamp Screw EDP		Clamp EDP		Clamp Spring EDP		Anvil EDP		Anvil Screw EDP		Clamp & Anvil Screw Key	
DWLNL/R 2020 K06 DWLNL/R 2525 M06	033711	1695	033709	DC2708	033720	4294	030973	IWSN323	033718	1764	018286	KH5003
DWLNL/R 2020 K08 DWLNL/R 2525 M08 DWLNL/R 3232 P08	033710	1696	033707	DC2712	033719	4295	009251	IWSN433	033716	1766	018287	KH5004

S..PWLN 95°



S.. PWLN LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L1	h	Through Coolant
033450	S16R PWLNL 06	LH	WN_06	20	16	11	200	15	
033451	S20S PWLNL 06	LH	WN_06	27	20	13	250	18	
033452	S25T PWLNL 06	LH	WN_06	31	25	17	300	23	
033453	S16R PWLNR 06	RH	WN_06	20	16	11	200	15	
033454	S20S PWLNR 06	RH	WN_06	27	20	13	250	18	
033455	S25T PWLNR 06	RH	WN_06	31	25	17	300	23	
033456	S25T PWLNL 08	LH	WN_08	31	25	17	300	23	
033457	S32U PWLNL 08	LH	WN_08	39	32	22	350	30	
034457	*S40V PWLNL 08	LH	WN_08	48	40	27	400	37	
033458	S25T PWLNR 08	RH	WN_08	31	25	17	300	23	
033459	S32U PWLNR 08	RH	WN_08	39	32	22	350	30	
033460	*S40V PWLNR 08	RH	WN_08	48	40	27	400	37	

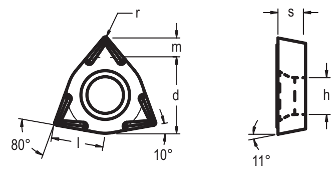
* Non Stock Items, subject to extended delivery time

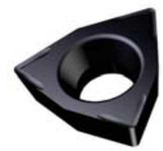
P Style External Toolholder
for Negative Inserts:
WN_0604 & WN_0804
Application:- O/D Face and Turn
Axial Approach 95°
Axial -6°
Raial -13,5°
Profiling Clearance Angle β = 0°
RH Bar Shown

S.. PWLNL/R Spare Parts												
Item Description	Lever EDP		Lever Screw EDP		Anvil EDP		Anvil Clip EDP		Clip Punch EDP		Key EDP	
S16R PWLNL/R 06	022652	PL8216	028741	PLS1605	-	-	-	-	-	-	028578	KH5002
S20S PWLNL/R 06												
S25T PWLNL/R 06	017442	PL8009	017447	PLS1606	028460	PA3007	034503	PC4109	028053	PCP0009	018285	KH5025
S25T PWLNL/R 08	028047	PL8312	022625	PLS1648	-	-	-	-	-	-	018286	KH5003
S32U PWLNL/R 08	017443	PL8012	017448	PLS1608	028461	PA3008	017453	PC4112	028054	PCP0012		
*S40V PWLNL/R 08												

* Non Stock Items, subject to extended delivery time

WPMT
61 Geometry





EDP	ISO Description	Grade	Dimensions (mm)					Material	Application
			d	l	s	r_ε	h		
032293	WPMT020102E-61	SP4019	3,97	2,92	1,59	0,20	1,95		Finishing
032291	WPMT050304E-61	SP4019	7,94	5,43	3,18	0,40	3,40		Finishing

For Toolholders External: see page 173 | Internal: see page 174

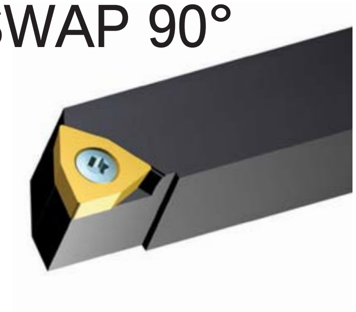
Material Guide – Key to Recommended Inserts

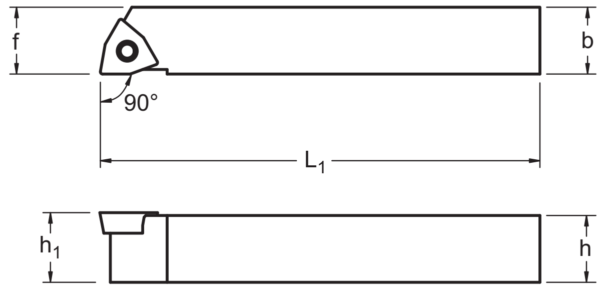
Material Designation

P Unalloyed Steels · P Alloyed Steels · M Stainless Steels · M PH Stainless · Cast Irons · N Aluminum & Alloys · S High Temp. Alloys · H Hard Materials

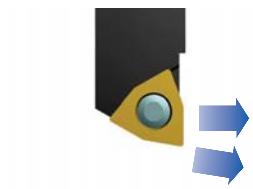
Stellram® Cutting Tool Systems

SWAP 90°





SWAP LH & RH External Square Shank Toolholders								
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)				
				h = h_1	b	f	L_1	L_2
025257	SWAPL 1212 F05	LH	WP_05	12	12	12,5	80	-
025256	SWAPR 1212 F05	RH	WP_05	12	12	12,5	80	-

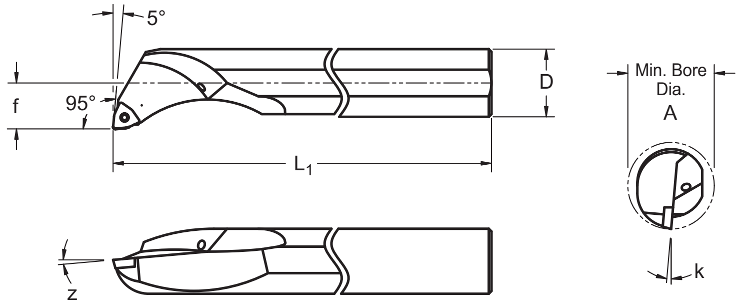


S Style External Toolholder
for Positive Inserts: WPMT_0503
Application: Face & Turn O/D
Approach Angle 90°
Axial 0°
Radial 0°
Profilling Clearance Angle β = 7°
RH Holder Shown

SWAPL/R Spare Parts								
Item Description	Insert Screw EDP		Insert Key EDP		Anvil EDP		Anvil Screw EDP	
SEAPL/R 1212 F09	017032	A3006T	013214	T9	-	-	-	-

Stellram®
Cutting Tool Systems

SWLP 95°



A.. SWLP LH & RH Internal Boring Bars									
EDP	Item Description	Hand	Insert Sizes	Dimensions (mm)					
				Min Bore Ø A	ØD	f	L_1	L_2	Through Coolant
033688	S06F SWLPL 02	LH	WP_0201	7,50	6,00	3,20	80,00	-	
018450	A08H SWLPL 02	LH	WP_0201	11,00	8,00	6,00	100,00	-	
018451	A10H SWLPL 02	LH	WP_0201	13,00	10,00	7,00	100,00	-	
033689	S06F SWLPR 02	RH	WP_0201	7,50	6,00	3,20	80,00	-	
018327	A08H SWLPR 02	RH	WP_0201	11,00	8,00	6,00	100,00	-	
018328	A10H SWLPR 02	RH	WP_0201	13,00	10,00	7,00	100,00	-	
018453	A12K SWLPL 05	LH	WP_0503	16,00	12,00	9,00	125,00	-	
033690	A12K SWLPR 05	RH	WP_0503	16,00	12,00	9,00	125,00	-	

S Style Boring Bar
for Positive Inserts:
WP0503 & WP0201
Application: Facing and Profiling
Approach Angle 95°
Axial 0°
Radial 5°
Profilling Clearance Angle β = 0°
RH Boring Bar Shown

<table>
<tr><th colspan="9">SWLPL/R Spare Parts</th></tr>
<tr><th>Item Description</th><th colspan="2">Insert Screw EDP</th><th colspan="2">Insert Key EDP</th><th colspan="2">Anvil EDP</th><th colspan="2">Anvil Screw EDP</th></tr>
<tr><td>S06F SWLPL/R 02</td><td rowspan="3">018489</td><td rowspan="3">55F1803T</td><td rowspan="3">018487</td><td rowspan="3">T6</td><td rowspan="3">-</td><td rowspan="3">-</td><td rowspan="3">-</td><td rowspan="3">-</td></tr>
<tr><td>A08H SWLPL/R 02</td></tr>
<tr><td>A10H SWLPL/R 02</td></tr>
<tr><td>A12K SWLPL/R 05</td><td>017032</td><td>A3006T</td><td>013214</td><td>T9</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
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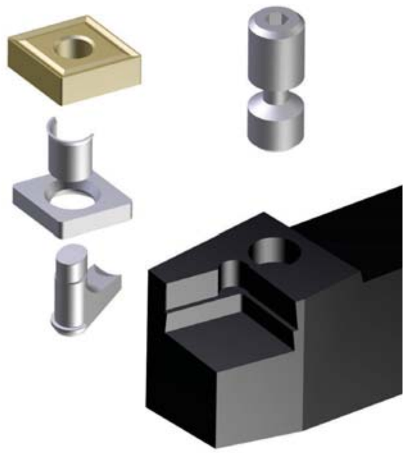
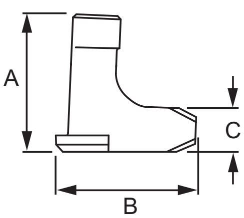
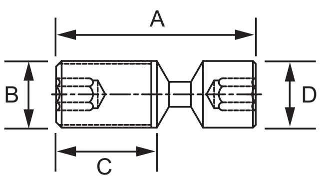
P - Lever Lock (Negative Inserts)



This system has a pivoted lever which tilts when the clamping screw is adjusted pulling the insert back against the pocket walls, for a strong location for the insert, with no obstruction to the chip flow. Also only one key is needed to facilitate the installation and removal of the insert.

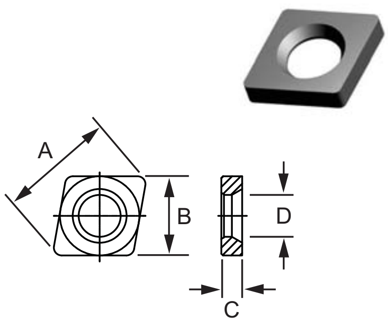


Lever Lock				
EDP	Item Description	Dimensions (mm)		
		A	B	C
017442	PL8009	12	10,2	3,4
017443	PL8012	13,1	13,5	4,2
017445	PL8016	17,1	16,5	5,4
017446	PL8019	20,8	20,4	7,3
028408	PL8025	25,2	25,7	8,2
034475	PL8110	11,7	11	4
034476	PL8112	13,3	13	4,4
034477	PL8116	18	18,6	6,7
034478	PL8120	18,7	20,4	6,7
034479	PL8125	23	24	7,5
028742	PL8212	12,1	13,4	4,7
022652	PL8216	9,5	10,1	3,4
028047	PL8312	13,2	13,5	4,2
017444	PL8415	14,7	16,2	5,1

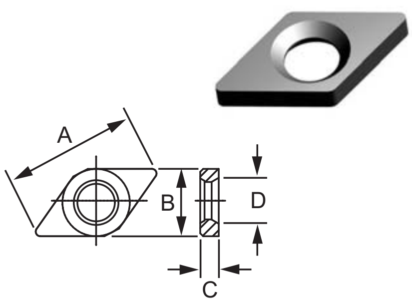


Lever Screws					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028741	PLS1605	12	M5x0,8	6,10	M5x0,8
017447	PLS1606	16,7	M6x1	8,65	M6x1
017448	PLS1608	20,7	M8x1	8,75	M8x1
028409	PLS1612	36	M12x1	17,30	M12x1
017450	PLS1618	22,5	M8X1	11,25	M8X1
017449	PLS1638	21,1	M8X1	10,35	M8X1
022625	PLS1648	17	M8X1	9,1	M8X1
017451	PLS1610	27,2	M10x1	13,35	M10x1
028743	PLS1626	13,4	M6x1	8	M6x1
034480	PLS1705	14	M5x0,8	8,1	M5x0,8
034481	PLS1706	20,7	M6x1	12,65	M6x1
028458	PLS1708	23,5	M8X1	11,25	M8X1
034482	PLS1710	30,4	M10x1	16,35	M10x1

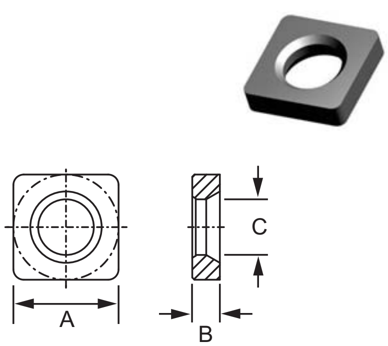
Stellram®
Cutting Tool Systems



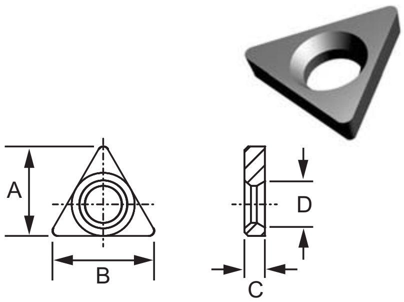
Anvils C-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
017456	PA3612	17,16	11,68	3,18	6,8
017457	PA3616	20,9	10,94	4,76	9,5
034483	PA3625	36	24,9	6,6	12,8



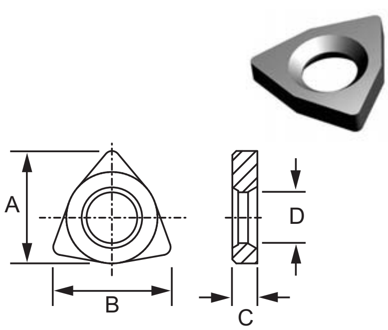
Anvils D-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028376	PA3711	17	8,5	2,7	4,9
017459	PA3715	23,4	11,6	3,18	6,4



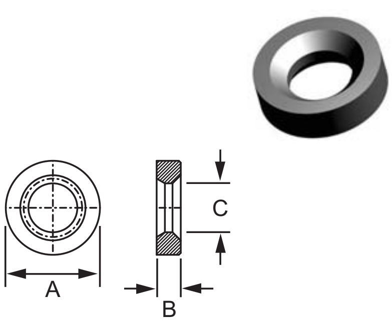
Anvils S-Style				
EDP	Item Description	Dimensions (mm)		
		A	B	C
017460	PA3512	11,66	3,18	6,35
017461	PA3515	14,5	4,76	7,9
017462	PA3519	18,1	4,76	7,9
028416	PA3525	24,6	4,76	13



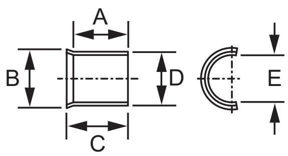
Anvils T-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
017463	PA3416	11,98	13,52	2,76	4,9
017464	PA3422	16,6	18,92	3,18	6,4



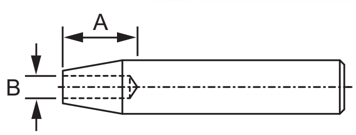
Anvils W-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028460	PA3007	10,85	11,3	3,18	6,4
028461	PA3008	15,2	15,88	3,18	6,4



Anvils R-Style				
EDP	Item Description	Dimensions (mm)		
		A	B	C
034484	PA3810	8,34	3,18	4,9
034485	PA3812	9,9	3,18	4,9
034486	PA3816	13,55	4,76	6,4
034487	PA3820	17,25	4,76	8,05
034488	PA3825	21,9	6,35	9,6
034489	PA3925	24,8	6,35	12,9
001670	IRSN84	25,15	6,35	14,5



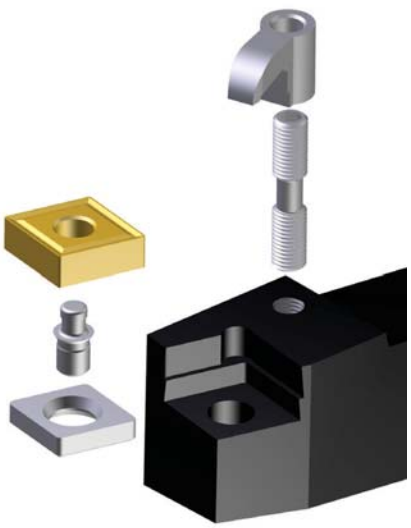
Clips						
EDP	Item Description	Dimensions (mm)				
		A	B	C	D	E
034503	PC4109	4,6	5,76	5,2	4,9	4,4
028417	PC4110	6,1	5,6	6,8	4,9	3,8
017453	PC4112	5,2	7	5,8	6,6	5,5
028051	PC4115	7,7	9	8,7	8,2	7
034504	PC4116	8,5	6,82	9,1	6,5	5,4
017455	PC4119	9,8	10,57	11	9,7	8,5
028418	PC4125	9,7	14,7	11,8	13,2	10,5



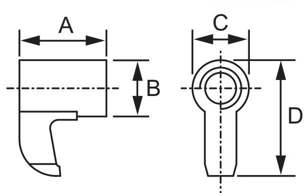
Clip Fixing Pin			
EDP	Item Description	Dimensions (mm)	
		A	B
028053	PCP009	9	4
028054	PCP0012	9	4,750
034505	PCP0015	12	6,5
028056	PCP0019	12	8
034506	PCP0025	20	12,5

Keys		
EDP	Item Description	mm
028578	KH5002	2
018286	KH5003	3
018287	KH5004	4
018288	KH5005	5
018285	KH5025	2,5

M - Clamp Lock (Negative Inserts)

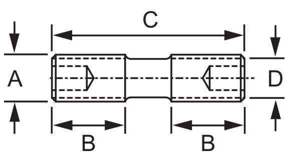


The combination of lock pin and top clamp makes this one of the most secure clamping systems available. The lock pin locates the insert against the pocket wall while the top clamp secures the insert down.

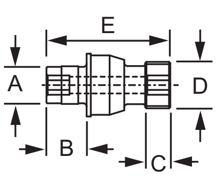


M Style Clamps

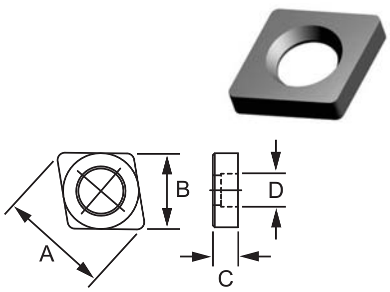
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
030974	CL6	10,90	3,99	7,62	14,73
029071	CL12	16,6	5,99	10,77	22,50
028996	CL20	13	5,31	9,35	18,34
029072	CL22	13,36	5,99	9,35	21,74
029073	CL30	16,84	5,84	10,74	24,64
034490	CL2613	13,5	-	9,5	18,5
034491	CL2614	13,5	-	9,5	21,7
034492	CL2616	13,5	-	9,5	24



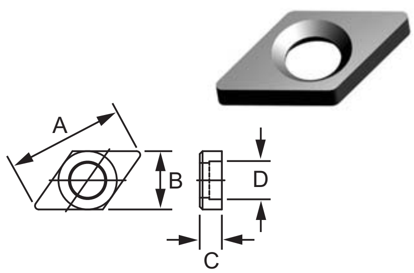
Clamp Screws					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
029074	XNS36	-	6,99	19,17	-
029075	XNS47	-	6,78	20,5	-
028997	XNS48	-	4,6	25,4	-
029076	XNS510	-	5,31	31,7	-
028575	1086	M6x1 (LH)	11,4	29,4	M6x1 (RH)
034493	1186	M6x1 (LH)	7,11	20,50	M6x1 (LH)



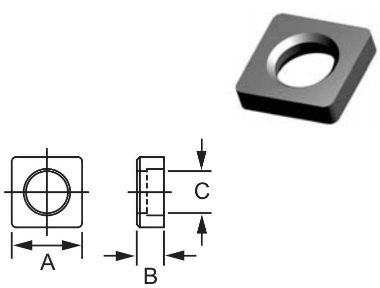
NL Pins						
EDP	Item Description	A	B	C	D	E
		mm	mm	mm	mm	Thread Form
004703	NL33L	5,00	14,71	5,21	6,71	8-32 UNC
004705	NL34L	3,66	13,13	5	2,69	10-32L
004707	NL44	5	13,2	5,4	3,2	1/4-28 UNC
004708	NL46	5	13,2	5,4	3,2	1/4-28 UNC
004710	NL58	6,25	22	6,9	5,3	5/16-24 UNC
004713	NL68	6,25	22	6,9	4,8	3/8-24
004716	NL810	9	29,69	9,8	5,58	7/16-20
034511	1665	3,68	13	5	2,3	M5X0,8



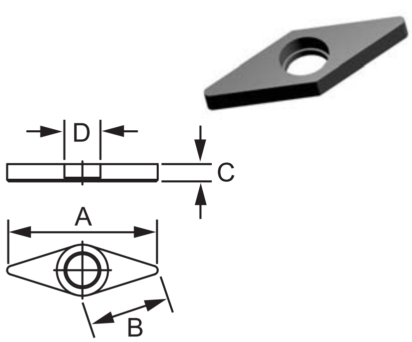
Anvils C-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
029079	ICSN432	18,39	12,45	4,75	7,44
001685	ICSN533	22,94	15,62	4,75	9,78



Anvils D-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
001689	IDSN433	25,07	12,57	4,76	7,47



Anvils S-Style				
EDP	Item Description	Dimensions (mm)		
		A	B	C
001704	ISSN433	12,45	4,75	7,49
001707	ISSN533	15,65	4,75	9,83
001709	ISSN633	18,72	4,75	11,38



Anvils V-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
001695	IVSN322	28,70	9,19	3,18	5,99

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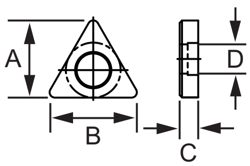
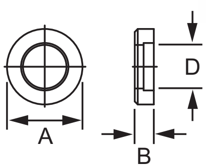
Cutting Tool Systems



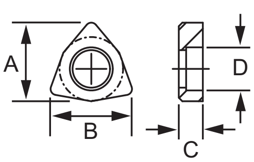
Anvils T-Style

EDP	Item Description	Dimensions (mm)			
		A	B	C	D
001714	ITSN323	12,9	14,6	3,18	5,9
001718	ITSN433	17,3	19,7	4,76	7,4



Anvils R-Style

EDP	Item Description	Dimensions (mm)		
		A	B	C
001670	IRSN84	25,15	6,35	14,5



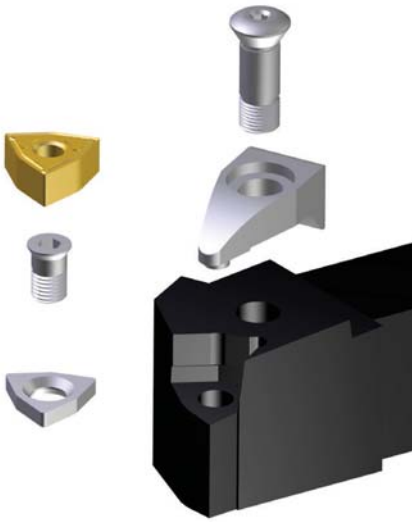
Anvils W-Style

EDP	Item Description	Dimensions (mm)			
		A	B	C	D
009251	IWSN433	15,34	16,00	4,76	7,416

Keys

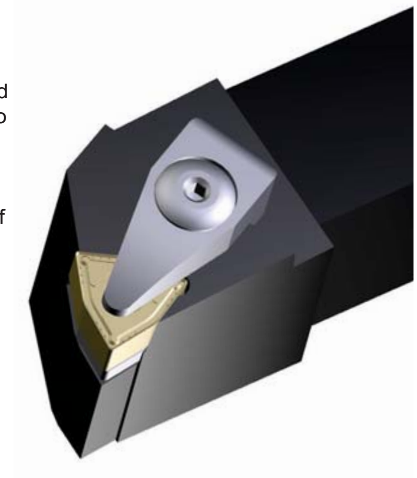
EDP	Item Description	mm
028578	KH5002	2
018286	KH5003	3
018285	KH5025	2,5

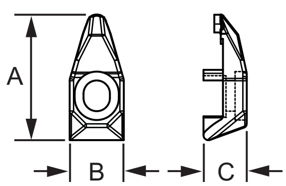
D - Dimple Lock (Negative Inserts)



This system combines a pull back pin and top clamp in one, using a wedge action to locate the insert into the pocket, with the clamp screw pulling down on the insert. This clamping method provides a strong and rigid set-up, with the added benefit of only one key for replacement of inserts.

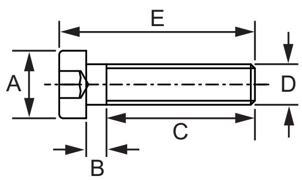
The “D” clamping system ensures zero insert movement during high feed or heavy interrupted machining, due to its accurate positioning that holds the insert securely clamped.



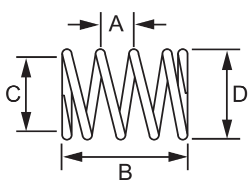


D Style Clamps

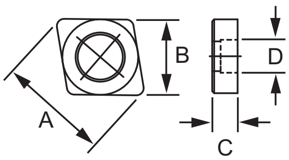
EDP	Item Description	Dimensions (mm)		
		A	B	C
034494	DC 2312	28,90	14,00	12,00
033709	DC 2708	24,90	10,90	9,20
033707	DC 2712	29,00	12,50	10,00
034495	DC 2716	33,80	13,00	10,50
033708	DC 2719	35,20	13,50	10,50



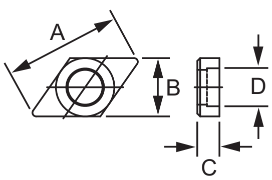
Clamp Screws						
EDP	Item Description	Dimensions (mm)				
		A	B	C	D	E
033711	1695	8,4	-	20	M5x0,8	23,5
033710	1696	9,8	-	25	M6x1	29
034512	1907	10,7	10,6	14	M7X0,75	27,5



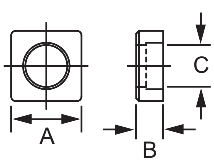
Clamp Spring					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
033720	4294	3	11,20	5	6,50
033719	4295	3,50	13	7	9,50



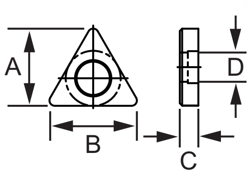
Anvils C-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
017456	PA3612	17,17	11,68	3,18	6,81
029079	ICSN432	18,39	12,45	4,75	7,44
033712	ICSN442	18,39	12,45	6,35	7,44
001685	ICSN533	22,94	15,62	4,75	9,78
001686	ICSN633	25,527	18,8	4,76	11,3



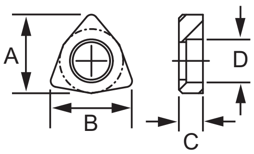
Anvils D-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
034496	IDSN-322	18,72	9,40	3,18	6,48
001689	IDSN-433	25,66	12,57	4,76	7,40

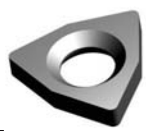


Anvils S-Style			
EDP	Item Description	Dimensions (mm)	
		A	B	C
001704	ISSN433	12,45	4,75	7,49
033715	ISSN442	12,45	6,35	7,49
001707	ISSN533	15,65	4,76	9,83
001709	ISSN633	18,72	4,76	11,38

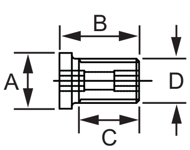


Anvils T-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
033714	ITSN342	12,93	14,63	3,18	5,99





Anvils W-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
030973	IWSN323	11,32	11,82	3,18	5,89
009251	IWSN433	15,35	15,95	4,76	7,4

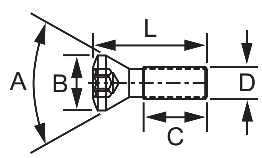


Anvil Screw					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
034507	1160	8	13,5	9,5	M6x1
034508	1161	8	10,5	6,5	M6x1
033718	1764	6,20	9,00	7,60	M5x0,8
029095	1765	7,5	10	6	M6x0,75
033716	1766	7,8	13,0	10,6	1/4 -26
034509	1768	10,5	15,5	13,3	M8x1
033717	1770	11,90	15,00	12,80	3/8 -24

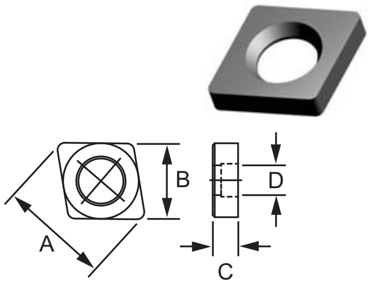
Keys		
EDP	Item Description	mm
018287	KH5004	4
018285	KH5025	2,5
018286	KH5003	3

S - Screw Lock (Positive Inserts)

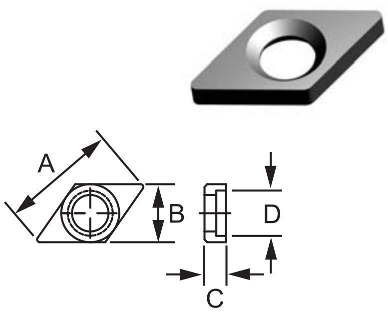
This innovated system was first introduced into the marketplace by Stellram as Posicut® S - Style. Its benefits are secure clamping, repeatability, minimal number of spare parts and no obstruction of the chip flow. Which make this ideal for internal boring bars and places were accessibility is limited.



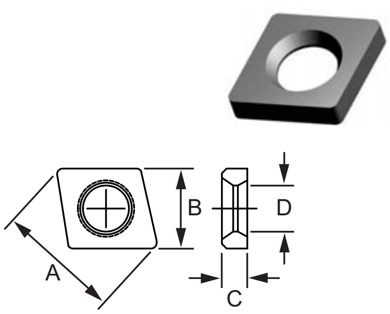
Insert Screws						
EDP	Item Description	Dimensions (mm)				
		A	B	C	L	D
017032	A3006T	48°	4,4	4	6	M3x0,5
023081	A5025T	43°	6,6	6,9	25	M5x0,8
015059	F2004T	43°	3	2,50	4,50	M2x0,4
015060	F2505T	43°	3,8	3,5	5	M2,5x0,45
015061	F2507T	43°	3,8	4	7	M2,5x0,45
015262	D4010T	43°	5,1	5,1	10	M4x0,7
034497	1335	55°	5,30	10,20	15	M3,5x0,6
034498	1425	55°	3,30	3	5,50	M2,5x0,45
034499	1440	55°	5,30	4	7	M4x0,7
034500	1540	60°	6,80	7,90	14,10	M4x0,7
015063	F3008T	48°	4,4	5	8	M3x0,5
018489	55F1803T	55°	2,75	1,60	3,30	M1,8x0,2



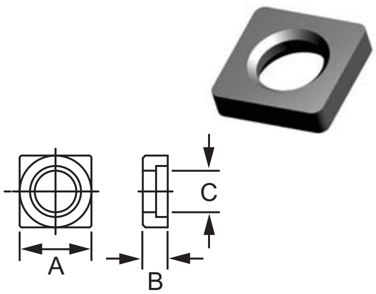
Anvils C-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028571	SA3614	17,40	11,40	39,50	6,50



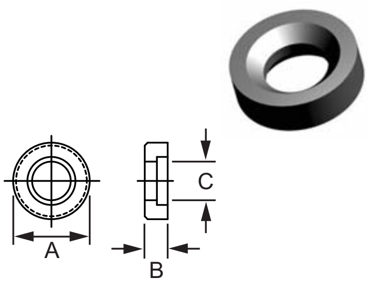
Anvils D-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028477	SA3714	17,48	8,50	3,18	6,60



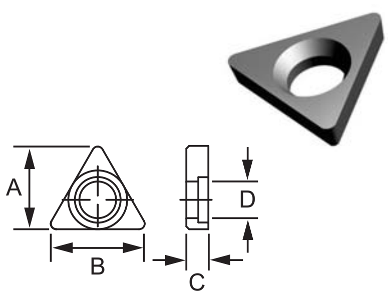
Anvils E-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
029091	SA3712	16,9	11,0	3,18	6,5



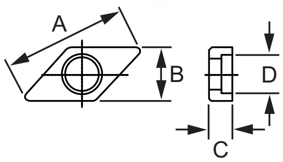
Anvils S-Style				
EDP	Item Description	Dimensions (mm)		
		A	B	C
028738	SA3514	11,40	3,96	8,10



Anvils R-Style				
EDP	Item Description	Dimensions (mm)		
		A	B	C
034501	SA3811	8,80	3,18	6,60
034502	SA3814	10,60	3,18	6,60

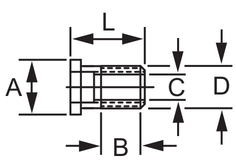


Anvils T-Style					
EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028580	SA3414	11,95	13,55	3,18	6,60



Anvils V-Style

EDP	Item Description	Dimensions (mm)			
		A	B	C	D
028740	SA3718	26,4	8,4	3,18	5,5



Anvil Screw

EDP	Item Description	Dimensions (mm)				
		A	B	L	C	D
028478	SAS1750	6,25	5	8,5	M3,5x0,6	M5x0,5
028739	SAS1760	7,60	5,5	10	M4x0,5	M6x0,75
029095	1765	7,5	6	10	M4x0,5	M6x0,75

Torx Driver

EDP	Item Description	Torx Number
018487	T6	T6
018488	T7	T7
013214	T9	T9
015240	T15	T15
028475	K5516	T16
034577	K5517	T17
015241	T20	T20

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