



Characteristics:

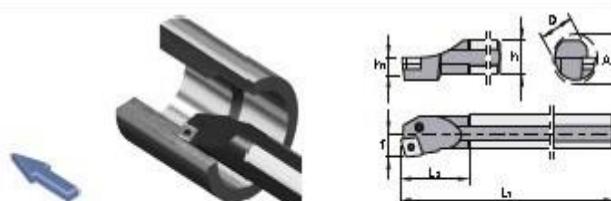
Boring bar for internal turning applications equipped with rhombic negative inserts (angle 80°) and strong cutting edges.

The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

Axial: -3°
Radial: -11.5°



PCKN 75°

CNGN-CNMA-CNMG-CNMM

Ref.		D	h	h ₁	L ₁	L ₂	f	A	Insert size	Δ ₉₀
\$25T PCKN R/L 12		25	23	11,5	300	40	17	31	CN.. 1204..	0,700
\$32U PCKN R/L 12		32	30	15,0	350	50	22	39	CN.. 1204..	2,050
\$40V PCKN R/L 12		40	37	18,5	400	60	27	48	CN.. 1204..	3,750
\$50W PCKN R/L 16		50	47	23,5	450	65	35	61	CN.. 1606..	6,500
\$50W PCKN R/L 19		50	47	23,5	450	65	35	61	CN.. 1906..	6,500



Characteristics:

Boring bar for internal turning applications equipped with rhombic negative inserts (angle 80°) and strong cutting edges.

The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose boring bars Ref. SCLC (Page: C.30).

Axial: -5°
Radial: -13.5°



PCLN 95°

Characteristics:

Boring bars with steel shank.

CNGN-CNMA-CNMG-CNMM

Ref.		D	h	h ₁	L ₁	L ₂	f	A	Insert size	Δ ₉₀
\$16R PCLN R/L 09		16	15	7,5	200	26	11	20	CN.. 0903..	0,300
\$20S PCLN R/L 09		20	18	9,0	250	29	13	25	CN.. 0903..	0,550
\$25T PCLN R/L 09		25	23	11,5	300	33	17	32	CN.. 0903..	0,700
\$25T PCLN R/L 12		25	23	11,5	300	40	17	31	CN.. 1204..	0,700
\$32U PCLN R/L 12		32	30	15,0	350	50	22	39	CN.. 1204..	2,050
\$40V PCLN R/L 12		40	37	18,5	400	60	27	48	CN.. 1204..	3,750
\$50W PCLN R/L 12		50	47	23,5	450	65	35	61	CN.. 1204..	6,500
\$50W PCLN R/L 16		50	47	23,5	450	65	35	61	CN.. 1606..	6,500
\$50W PCLN R/L 19		50	47	23,5	450	65	35	61	CN.. 1906..	6,500

A-PCLN 95°



Characteristics:

Boring bars with internal coolant.

CNGN-CNMA-CNMG-CNMM

Ref.		D	h	h ₁	L ₁	L ₂	f	A	Insert size	Δ ₉₀
A16M PCLN R/L 09		16	15	7,5	150	26	11	20	CN.. 0903..	0,200
A20Q PCLN R/L 09		20	18	9,0	180	29	13	25	CN.. 0903..	0,400
A25R PCLN R/L 12		25	23	11,5	200	40	17	31	CN.. 1204..	0,700
A32S PCLN R/L 12		32	30	15,0	250	50	22	39	CN.. 1204..	1,400
A40T PCLN R/L 12		40	37	18,5	300	60	27	48	CN.. 1204..	2,650



Characteristics:

Boring bar for internal turning and profiling applications equipped with rhombic negative inserts (angle 55°) and strong cutting edges.

The lever lock ensures good rigidity and chip flow in roughing applications.

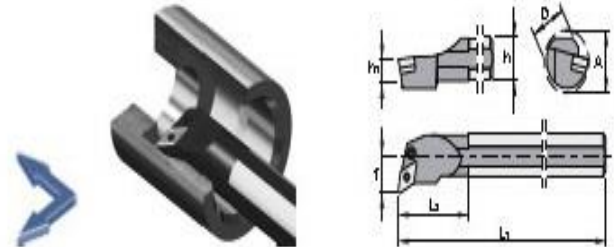
Applications:

Profiling boring bar for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose boring bars Ref. SDUC (Page: C.34).

Axial: -6°

Radial: -14°



PDUN 93°		Characteristics:								DNGP-DNMA-DNMG-DNMX	
		Boring bars with steel shank.									
Ref.		D	h	h1	L1	L2	f	A	Insert size		
	\$25T PDUN R/L 11	25	23	11,5	300	35	17	32	DN.. 1104..	0,700	
	\$32U PDUN R/L 11	32	30	15,0	350	40	22	40	DN.. 1104..	2,050	
	\$32U PDUN R/L 15	32	30	15,0	350	50	22	39	DN.. 1506..	2,050	
	\$40V PDUN R/L 15	40	37	18,5	400	60	27	48	DN.. 1506..	3,750	
	\$50W PDUN R/L 15	50	47	23,5	450	65	35	61	DN.. 1506..	6,500	

A-PDUN 93°		Characteristics:								DNGP-DNMA-DNMG-DNMX	
		Boring bars with internal coolant.									
Ref.		D	h	h1	L1	L2	f	A	Insert size		
	A25R PDUN R/L 11	25	23	11,5	200	40	17	31	DN.. 1104..	0,700	
	A32S PDUN R/L 15	32	30	15,0	250	50	22	39	DN.. 1506..	1,400	
	A40T PDUN R/L 15	40	37	18,5	300	60	27	48	DN.. 1506..	2,650	



Characteristics:

Backwards boring bar for internal turning and profiling applications equipped with rhombic negative inserts (angle 55°) and strong cutting edges.

The lever lock ensures good rigidity and chip flow in roughing applications.

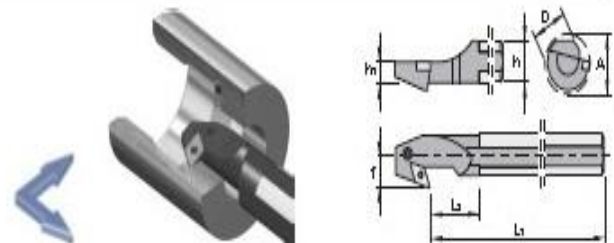
Applications:

Backwards profiling boring bar for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose boring bars Ref. SDUC-EX (Page: C.36).

Axial: -6°

Radial: -14°



PDUN 93°-EX		Characteristics:								DNGP-DNMA-DNMG-DNMX	
Ref.		D	h	h1	L1	L2	f	A	Insert size		
	\$32U PDUN R/L 15-EX	32	30	15,0	350	50	22	39	DN.. 1506..	2,050	
	\$40V PDUN R/L 15-EX	40	37	18,5	400	60	27	48	DN.. 1506..	3,750	
	\$50W PDUN R/L 15-EX	50	47	23,5	450	65	35	61	DN.. 1506..	6,500	



Characteristics:

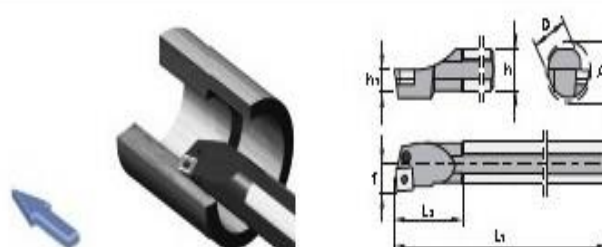
Boring bar for internal turning applications equipped with square negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose boring bars Ref. CSKP (Page: C.07) or SSKC (Page: C.40).

Axial: -3°
Radial: -11°



PSKN 75°		Characteristics:							SNMA-SNMG-SNMM	
		Boring bars with steel shank.								
Ref.		D	h	h1	L1	L2	f	A	Insert size	
	S25T PSKN R/L 12	25	23	11,5	300	40	17	31	SNM.. 1204..	0,700
	S32U PSKN R/L 12	32	30	15,0	350	50	22	39	SNM.. 1204..	2,050
	S40V PSKN R/L 12	40	37	18,5	400	60	27	48	SNM.. 1204..	3,750
	S50W PSKN R/L 19	50	47	23,5	450	65	35	61	SNM.. 1906..	6,500

A-PSKN 75°		Characteristics:							SNMA-SNMG-SNMM	
		Boring bars with internal coolant.								
Ref.		D	h	h1	L1	L2	f	A	Insert size	
	A25R PSKN R/L 12	25	23	11,5	200	40	17	31	SNM.. 1204..	0,700
	A32S PSKN R/L 12	32	30	15,0	250	50	22	39	SNM.. 1204..	1,400
	A40T PSKN R/L 12	40	37	18,5	300	60	27	48	SNM.. 1204..	2,650



Characteristics:

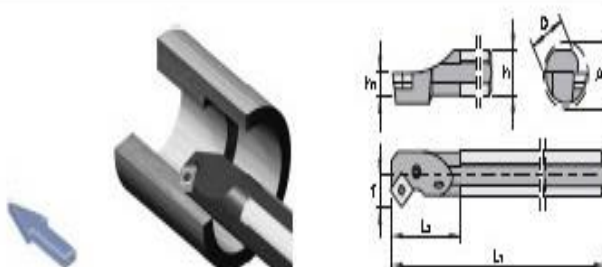
Boring bar for internal turning applications equipped with square negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose boring bars Ref. SSSC (Page: C.41).

Axial: -3°
Radial: -11°



A-PSSN 45°		Characteristics:							SNMA-SNMG-SNMM	
		Boring bars with internal coolant.								
Ref.		D	h	h1	L1	L2	f	A	Insert size	
	A25R PSSN R/L 12	25	23	11,5	200	40	17	31	SNM.. 1204..	0,700
	A32S PSSN R/L 12	32	30	15,0	250	50	22	39	SNM.. 1204..	2,050



Characteristics:

Boring bar for internal turning applications equipped with triangular negative inserts and strong cutting edges. The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

For low powered machines and small pieces choose boring bars Ref. CTFP (Page: C.08) or STFC (Page: C.42).

Axial: -6°
Radial: -11°



PTFN 90°

Characteristics:
Boring bars with steel shank.

TNMA-TNMG-TNMX

Ref.	D	h	h1	L1	L2	f	A	Insert size	M_2
S25T PTFN R/L 16	25	23	11,5	300	40	17	31	TNM..1604..	0,700
S32U PTFN R/L 16	32	30	15,0	350	50	22	39	TNM..1604..	2,050
S40V PTFN R/L 22	40	37	18,5	400	60	27	48	TNM..2204..	3,750
S50W PTFN R/L 22	50	47	23,5	450	65	35	61	TNM..2204..	6,500

A-PTFN 90°



Characteristics:
Boring bars with internal coolant.

TNMA-TNMG-TNMX

Ref.	D	h	h1	L1	L2	f	A	Insert size	M_2
A25R PTFN R/L 16	25	23	11,5	200	40	17	31	TNM..1604..	0,700
A32S PTFN R/L 16	32	30	15,0	250	50	22	39	TNM..1604..	1,400
A40T PTFN R/L 22	40	37	18,5	300	60	27	48	TNM..2204..	2,650



Characteristics:

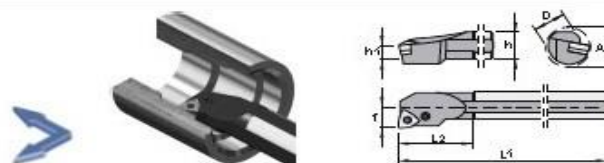
Boring bar for internal turning applications equipped with trigon negative inserts (angle 80°) and strong cutting edges.

The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

Axial: -6°
Radial: -13.5°



PWLN 95°

Characteristics:
Boring bars with steel shank.

WNMA-WNMG

Ref.	D	h	h1	L1	L2	f	A	Insert size	M_2
S16R PWLN R/L 06	16	15	7,5	200	24	11	20	WNM..0604..	0,300
S20S PWLN R/L 06	20	18	9,0	250	36	13	27	WNM..0604..	0,550
S25T PWLN R/L 06	25	23	11,5	300	40	17	31	WNM..0604..	0,700
S25T PWLN R/L 08	25	23	11,5	300	40	17	31	WNM..0804..	0,700
S32U PWLN R/L 08	32	30	15,0	350	50	22	39	WNM..0804..	2,050
S40V PWLN R/L 08	40	37	18,5	400	60	27	48	WNM..0804..	3,750



Characteristics:

Boring bar for internal turning applications equipped with trigon negative inserts (angle 80°) and strong cutting edges.

The lever lock ensures good rigidity and chip flow in roughing applications.

Applications:

Internal boring bar for general applications, roughing, semi-finishing and finishing.

Axial: -6°
Radial: -13.5°



A-PWLN 95°



Characteristics:
Boring bars with internal coolant.

WNMA-WNMG

Ref.	D	h	h1	L1	L2	f	A	Insert size	M_2
A16M PWLN R/L 06	16	15	7,5	150	24	11	20	WNM..0604..	0,200
A20Q PWLN R/L 06	20	18	9,0	180	36	13	27	WNM..0604..	0,400
A25R PWLN R/L 06	25	23	11,5	200	40	17	31	WNM..0604..	0,700
A32S PWLN R/L 06	32	30	15,0	250	50	22	39	WNM..0604..	1,400
A25R PWLN R/L 08	25	23	11,5	200	40	17	31	WNM..0804..	0,700
A32S PWLN R/L 08	32	30	15,0	250	50	22	39	WNM..0804..	1,400
A40T PWLN R/L 08	40	37	18,5	300	60	27	48	WNM..0804..	2,650