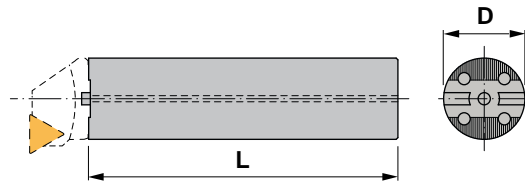







Characteristics:
Anti-vibration shank with internal
coolant.
Max. cutting depth: 7 x Diameter











Eigenschaften:
Schwingungsgedämpfter Schaft
mit Innenkühlung.
Maximale Schnitttiefe: 7 x Durchmesser



Reference Bezeichnung		D	L	Thread Gewinde	 Kg
J25/300	25	25	300	1/4 GAS	1,200
J32/350	32	32	350	3/8 GAS	2,200
J40/400	40	40	400	1/2 GAS	4,000
J50/550	50	50	550	1/2 GAS	8,500
J60/650	60	60	650	3/4 GAS	14,400
J80/1000	60	80	1000	3/4 GAS	39,500
J100/1200	60	100	1200	3/4 GAS	74,000

Reference Bezeichnung			Nm
J25/300	1924	5025	2.0
J32/350	1925	5003	3.0
J40/400	1926	5004	3.5
J50/550	1928	5005	4.0
J60/650	1928	5005	4.0
J80/1000	1928	5005	4.0
J100/1200	1928	5005	4.0



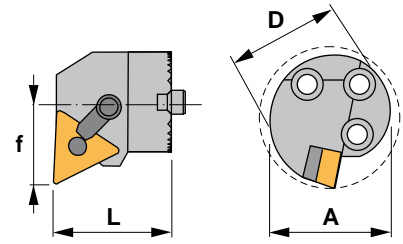
MTUN 93°-N 	PCLN 95°-N 	PDUN 93°-N 	PWLN 95°-N 
SCLC 95°-N 	SDUC 93°-N 	STFC 90°-N 	SXFN 90°-N 



Characteristics:

Internal turning and profiling boring head equipped with triangular negative double-sided insert.

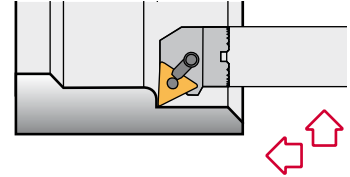
For general applications, roughing, semi-finishing and finishing.



Eigenschaften:

Bohrkopf zum Innen- und Profildrehen mit doppelseitigen dreikantigen negativen Wendeschneidplatten.

Für allgemeine Anwendungen, Schruppen, Vorschlichten und Schlichten.



MTUN 93°-N

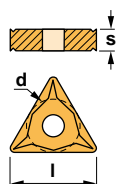
Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	
A32X MTUN R/L 16-N	32	30	22	40	TNM.. 1604..	0,150
A40X MTUN R/L 16-N	40	30	27	50	TNM.. 1604..	0,300
A50X MTUN R/L 16-N	50	30	35	63	TNM.. 1604..	0,650
A50X MTUN R/L 22-N	50	40	35	63	TNM.. 2204..	0,650
A60X MTUN R/L 22-N	60	40	43	80	TNM.. 2204..	0,850

Reference Bezeichnung									Nm ¹	Nm ²
A32X MTUN R/L 16-N	2613	-	5003	ITSN-322	1086	1665	-	5002	3.0	1.4
A40X MTUN R/L 16-N	2613	-	5003	ITSN-322	1086	1665	-	5002	3.0	1.4
A50X MTUN R/L 16-N	2613	-	5003	ITSN-322	1086	1665	-	5002	3.0	1.4
A50X MTUN R/L 22-N	-	2024	5005	ITSN-433	1394	-	1661	-	4.0	-
A60X MTUN R/L 22-N	-	2024	5005	ITSN-433	1394	-	1661	-	4.0	-

TNM..

Triangular negative inserts.
Dreikantige negative WSP. A45-46

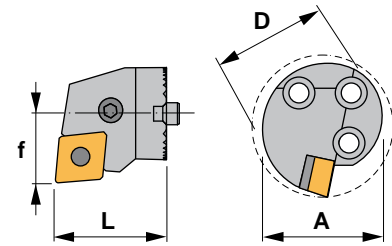
Reference / Bez.	l	s	d
TNM.. 1604..	16,50	4,76	9,52
TNM.. 2204..	22,00	4,76	12,70





Characteristics:

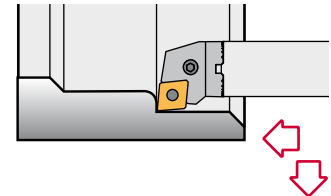
Boring head for internal turning applications equipped with rhombic negative inserts (angle 80°). For low powered machines and small pieces choose boring bars Ref. A-SCLC (Page: A208).



Eigenschaften:

Bohrkopf zum Innendreien mit rhombischen negativen Wendeschneidplatten (80° Winkel).

Für Niederleistungsmaschinen und kleine Werkstücke, wählen Sie Bohrstanen A-SCLC (Seite: A208).



PCLN 95°-N

Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	kg
A25X PCLN R/L 12-N	25	25	17	32	CN.. 1204..	0,050
A32X PCLN R/L 12-N	32	30	22	40	CN.. 1204..	0,150
A40X PCLN R/L 12-N	40	30	27	50	CN.. 1204..	0,300
A50X PCLN R/L 12-N	50	30	35	63	CN.. 1204..	0,600
A50X PCLN R/L 16-N	50	40	35	63	CN.. 1606..	0,600
A60X PCLN R/L 16-N	60	40	43	80	CN.. 1606..	0,800

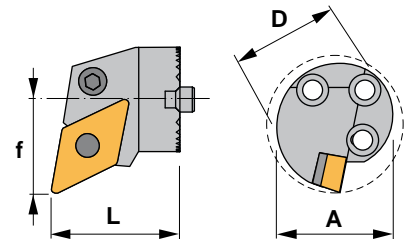
Reference Bezeichnung							Nm
A25X PCLN R/L 12-N	8212	1626	5025	-	-	-	2.0
A32X PCLN R/L 12-N	8312	1648	5003	3612	4112	0012	3.0
A40X PCLN R/L 12-N	8012	1608	5003	3612	4112	0012	3.0
A50X PCLN R/L 12-N	8012	1608	5003	3612	4112	0012	3.0
A50X PCLN R/L 16-N	8016	1618	5003	3616	4115	0015	3.0
A60X PCLN R/L 16-N	8016	1618	5003	3616	4115	0015	3.0

CN..	80° rhombic negative inserts. A32-34 80° rhombische negative WSP.				CNMG-CC	CNMG-FC	CNMG-FMC	CNMG-KC	CNMG-MC
	Reference / Bez.	l	s		d				
	CN.. 1204..	12,90	4,76	12,70	CNMG-MFC	CNMG-MHC	CNMG-RC	CNMG-TC	CNMM
	CN.. 1606..	16,10	6,35	15,88					



Characteristics:

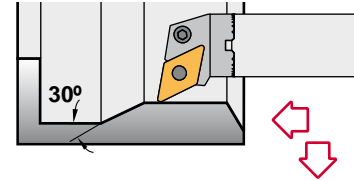
Boring head for internal turning and profiling applications equipped with rhombic negative inserts (angle 55°). For low powered machines and small pieces choose boring bars Ref. A-SDUC (Page: A218).



Eigenschaften:

Bohrkopf zum Innen- und Profildrehen mit rhombischen negativen Wendeschneidplatten (55° Winkel).

Für Niederleistungsmaschinen und kleine Werkstücke, wählen Sie Bohrstangen A-SDUC (Seite: A218).



PDUN 93°-N

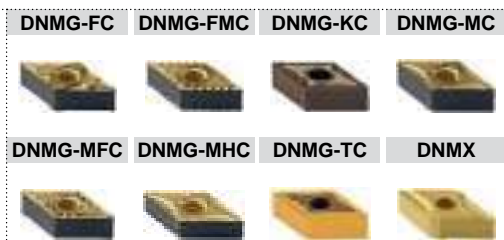
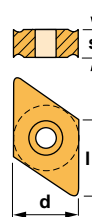
Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	
A32X PDUN R/L 15-N	32	30	22	40	DN.. 1506..	0,150
A40X PDUN R/L 15-N	40	30	27	50	DN.. 1506..	0,300
A50X PDUN R/L 15-N	50	40	35	63	DN.. 1506..	0,600
A60X PDUN R/L 15-N	60	40	43	80	DN.. 1506..	0,800

Reference Bezeichnung									Nm
A32X PDUN R/L 15-N	8415	1648	5003	3715	4112	0012	3725	4135	3.0
A40X PDUN R/L 15-N	8415	1638	5003	3715	4112	0012	3725	4135	3.0
A50X PDUN R/L 15-N	8415	1638	5003	3715	4112	0012	3725	4135	3.0
A60X PDUN R/L 15-N	8415	1638	5003	3715	4112	0012	3725	4135	3.0

For DNM.. 1504.. inserts
Für Wendeschneidplatten DNM.. 1504..

DN.. 55° rhombic negative inserts. A36-37
55° rhombische negative Wendeschneidplatten.

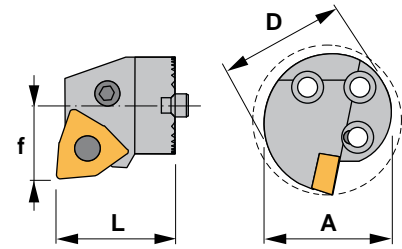
Reference / Bez.	l	s	d
DN.. 1504..	15,50	4,76	12,70
DN.. 1506..	15,50	6,35	12,70





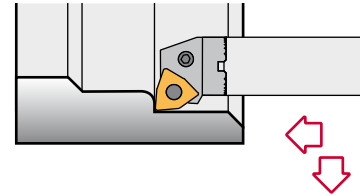
Characteristics:

Boring head for internal turning applications equipped with trigon negative inserts (angle 80°). For general applications, roughing, semi-finishing and finishing.



Eigenschaften:

Bohrkopf zum Innendrehen mit negativen Trigon Wendeschneidplatten (80° Winkel). Für allgemeine Anwendungen, Schruppen, Vorschlichten und Schlichten.



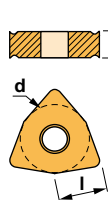
PWLN 95°-N

Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	kg
A32X PWLN R/L 08-N	32	30	22	40	WNM.. 0804..	0,150
A40X PWLN R/L 08-N	40	30	27	50	WNM.. 0804..	0,300
A50X PWLN R/L 08-N	50	40	35	63	WNM.. 0804..	0,600
A60X PWLN R/L 08-N	60	40	43	80	WNM.. 0804..	0,800

Reference Bezeichnung							Nm
A32X PWLN R/L 08-N	8312	1648	5003	3008	4112	0012	3.0
A40X PWLN R/L 08-N	8012	1608	5003	3008	4112	0012	3.0
A50X PWLN R/L 08-N	8012	1608	5003	3008	4112	0012	3.0
A60X PWLN R/L 08-N	8012	1608	5003	3008	4112	0012	3.0

WNMG 80° trigon negative inserts. A50-51
80° trigon negative Wendeschneidplatten.

Reference / Bez.	l	s	d
WNMG 0804..	8,14	4,76	12,70

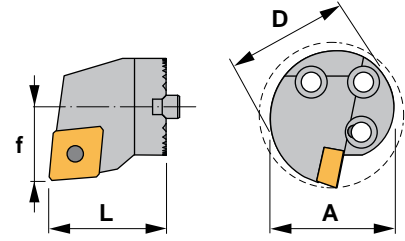




Characteristics:

Multipurpose boring head equipped with rhombic positive insert (angle 80°).

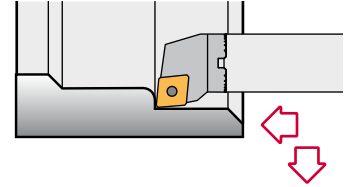
For boring bars with negative inserts see Ref. A-PCLN (Page: A189).



Eigenschaften:

Multifunktions-Bohrkopf mit rhombischen positiven Wendeschneidplatten (80° Winkel).

Für Bohrstangen mit negativen Wendeschneidplatten, siehe A-PCLN (Seite: A189).



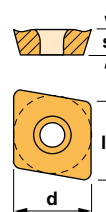
SCLC 95°-N

Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	
A25X SCLC R/L 09-N	25	25	17	32	CC.. 09T3..	0,070
A32X SCLC R/L 12-N	32	30	22	40	CC.. 1204..	0,150
A40X SCLC R/L 12-N	40	30	27	50	CC.. 1204..	0,250
A50X SCLC R/L 12-N	50	40	35	63	CC.. 1204..	0,650
A60X SCLC R/L 12-N	60	40	43	80	CC.. 1204..	0,850

Reference Bezeichnung					Nm
A25X SCLC R/L 09-N	1440	5515	-	-	3.0
A32X SCLC R/L 12-N	1540	5517	3614	1760	3.0
A40X SCLC R/L 12-N	1540	5517	3614	1760	3.0
A50X SCLC R/L 12-N	1540	5517	3614	1760	3.0
A60X SCLC R/L 12-N	1540	5517	3614	1760	3.0

CC.. 80° rhombic positive inserts with 7° clearance. A30-31
80° rhombische positive Wendeschneidplatten mit 7° Freiwinkel.

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



CCGT-AL



CCGT-AP



CCMT

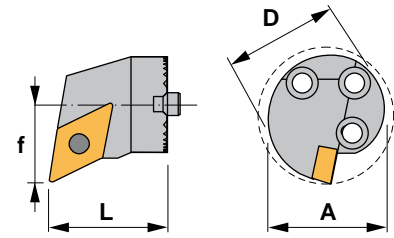


CCMW

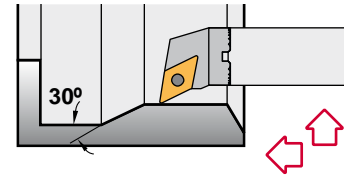




Characteristics:
Multipurpose profiling boring head equipped with rhombic positive insert (angle 55°).
For boring bars with negative inserts see Ref. A-PDUN (Page: A191).



Eigenschaften:
Multifunktions-Bohrkopf zum Profildrehen mit rhombischen positiven Wendeschneidplatten (55° Winkel).
Für Bohrstangen mit negativen Wendeschneidplatten siehe A-PDUN (Seite: A191).



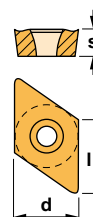
SDUC 93°-N

Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	
A25X SDUC R/L 11-N	25	25	17	32	DC.. 11T3..	0,070
A32X SDUC R/L 11-N	32	30	22	40	DC.. 11T3..	0,150
A40X SDUC R/L 11-N	40	30	27	50	DC.. 11T3..	0,250
A50X SDUC R/L 11-N	50	40	35	63	DC.. 11T3..	0,650
A60X SDUC R/L 11-N	60	40	43	80	DC.. 11T3..	0,850

Reference Bezeichnung					Nm
A25X SDUC R/L 11-N	1240	5515	-	-	3.0
A32X SDUC R/L 11-N	1335	5516	3714	1750	3.0
A40X SDUC R/L 11-N	1335	5516	3714	1750	3.0
A50X SDUC R/L 11-N	1335	5516	3714	1750	3.0
A60X SDUC R/L 11-N	1335	5516	3714	1750	3.0

DC.. 55° rhombic positive inserts with 7° clearance. A35
55° rhombische positive Wendeschneidplatten mit 7° Freiwinkel.

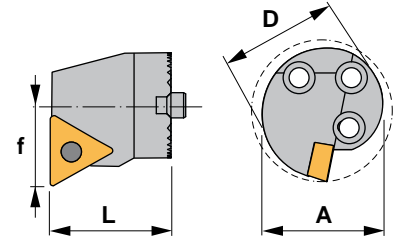
Reference / Bez.	l	s	d
DC.. 11T3..	11,60	3,97	9,52



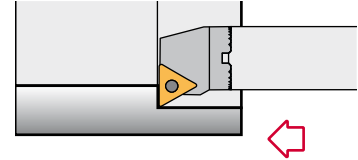
DCGT-AL	DCGT-AP
DCMT	DCMW



Characteristics:
Multipurpose boring head equipped with triangular positive insert.
For general applications, roughing, semi-finishing and finishing.



Eigenschaften:
Multifunktions-Bohrkopf mit dreikantigen positiven Wendeschneidplatten.
Für allgemeine Anwendungen, Schruppen, Vorschlichten und Schlichten.



STFC 90°-N

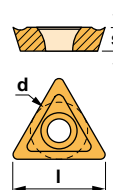


Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	Kg
A25X STFC R/L 16-N	25	25	17	32	TC.. 16T3..	0,070
A32X STFC R/L 16-N	32	30	22	40	TC.. 16T3..	0,150
A40X STFC R/L 16-N	40	30	27	50	TC.. 16T3..	0,250
A50X STFC R/L 16-N	50	40	35	63	TC.. 16T3..	0,650
A60X STFC R/L 16-N	60	40	43	80	TC.. 16T3..	0,850

Reference Bezeichnung					Nm
A25X STFC R/L 16-N	1240	5515	-	-	3.0
A32X STFC R/L 16-N	1335	5516	3414	1750	3.0
A40X STFC R/L 16-N	1335	5516	3414	1750	3.0
A50X STFC R/L 16-N	1335	5516	3414	1750	3.0
A60X STFC R/L 16-N	1335	5516	3414	1750	3.0

TC.. Triangular positive inserts with 7° clearance. A44
Dreikantige positive Wendeschneidplatten mit 7° Freiwinkel.

Reference / Bez.	l	s	d
TC.. 16T3..	16,50	3,97	9,52



TCGT-AL



TCMT

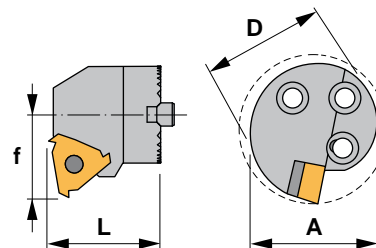


TCMW

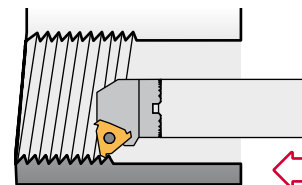




Characteristics:
Boring head for internal threading equipped with triangular negative insert.



Eigenschaften:
Multifunktions-Bohrkopf zum Gewindedrehen mit dreikantigen negativen Wendeschneidplatten.



SXFN 90°-N

Reference Bezeichnung	D	L	f	A	Insert size Wendeschneidplatte	Kg
A25X SXFN R/L 16-N	25	25	16,30	32	16 NR/L..	0,070
A32X SXFN R/L 16-N	32	30	19,60	40	16 NR/L..	0,150
A32X SXFN R/L 22-N	32	32	21,50	40	22 NR/L..	0,150
A40X SXFN R/L 22-N	40	32	25,80	50	22 NR/L..	0,250
A50X SXFN R/L 22-N	50	40	31,40	63	22 NR/L..	0,650
A60X SXFN R/L 22-N	60	40	36,40	80	22 NR/L..	0,850

Reference Bezeichnung									Nm	
A25X SXFN R/L 16-N	SA3	SA3	5510	5510	YE3	YE3	YI3	YI3	SY3	2.0
A32X SXFN R/L 16-N	SA3	SA3	5510	5510	YE3	YE3	YI3	YI3	SY3	2.0
A32X SXFN R/L 22-N	SA4	SA4	5520	5520	YE4	YE4	YI4	YI4	SY4	4.0
A40X SXFN R/L 22-N	SA4	SA4	5520	5520	YE4	YE4	YI4	YI4	SY4	4.0
A50X SXFN R/L 22-N	SA4	SA4	5520	5520	YE4	YE4	YI4	YI4	SY4	4.0
A60X SXFN R/L 22-N	SA4	SA4	5520	5520	YE4	YE4	YI4	YI4	SY4	4.0

N R/L

Triangular negative inserts for internal threading.
Dreikantige negative WSP zum Innen-Gewindedrehen. C04, C06-07, C09-10

Reference / Bez.

l

d

16 NR/L..

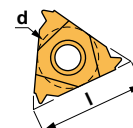
16,00

9,52

22 NR/L..

22,00

12,70



N R/L



N R/L TD

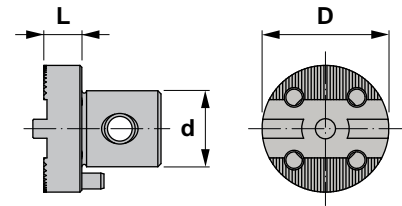




Characteristics:

Adaptor for anti-vibration shank with internal coolant.

To adapt the new boring heads to the old model of anti-vibration shanks.





Eigenschaften:

Adapter für schwingungsgedämpfte Schäfte mit Innenkühlung.

Um die neue Bohrköpfe an das alte Modell der schwingungsgedämpften Schäfte zu montieren.

J..-A..  

Reference Bezeichnung	D	L	d	
J25-A25	25	10	15	0,060
J32-A32	32	10	20	0,100
J40-A40	40	12	24	0,180
J50-A50	54	16	28	0,350
J60-A60	60	16	28	0,460

Reference Bezeichnung			Nm
J25-A25	1924	5025	2.0
J32-A32	1925	5003	3.0
J40-A40	1926	5004	3.5
J50-A50	1928	5005	4.0
J60-A60	1928	5005	4.0



MTUN 93°-N 	PCLN 95°-N 	PDUN 93°-N 	PWLN 95°-N 
SCLC 95°-N 	SDUC 93°-N 	STFC 90°-N 	SXFN 90°-N 