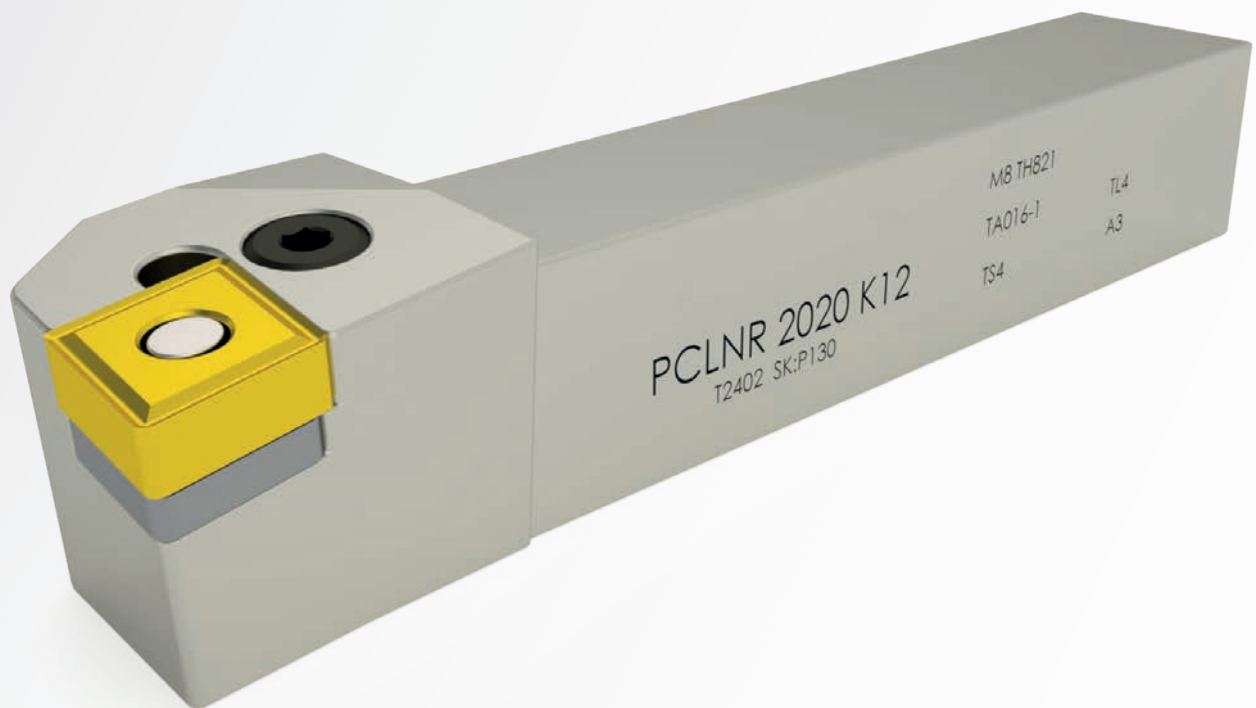


NEU/NEW

KATALOG 2024

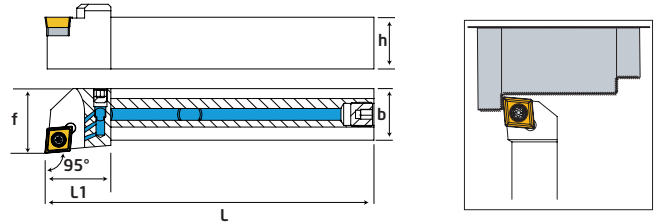
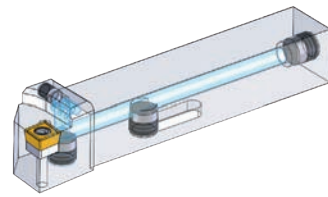


SCHWARZ GmbH
Vollhartmetall Präzisionswerkzeuge

- External Turning Holders Coolant
- Klemmhalter Gekühlt

External Turning Holders With Coolant

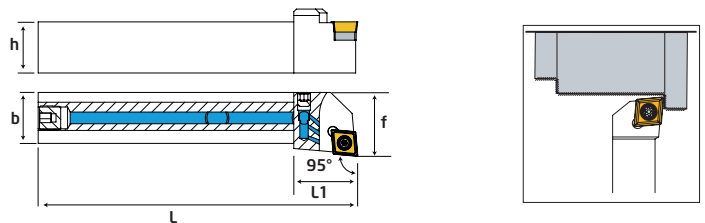
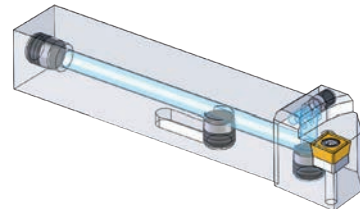
95° SCLCR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SCLCR 1616 H09- IK G1/8	100	25	16	20	16	0,205	CCMT 09T3	SW-SS-10	SW-UP-14	SW-GB-1	T15
SCLCR 2020 K09- IK G1/8	125	25	20	25	20	0,418					
SCLCR 2525 M12- IK G1/8	150	30	25	32	25	0,771					

External Turning Holders With Coolant

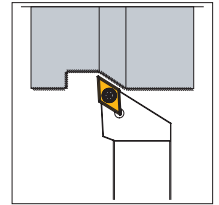
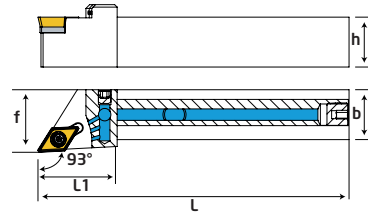
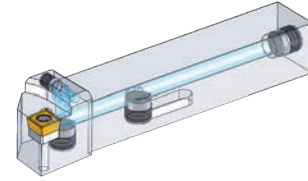
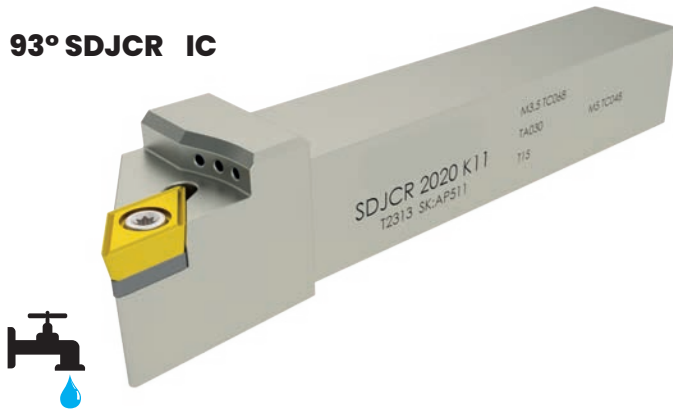
95° SCLCL IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SCLCL 1616 H09- IK G1/8	100	25	16	20	16	0,205	CCMT 09T3	SW-SS-10	SW-UP-14	SW-GB-1	T15
SCLCL 2020 K09- IK G1/8	125	25	20	25	20	0,418					
SCLCL 2525 M12- IK G1/8	150	30	25	32	25	0,771					

External Turning Holders With Coolant

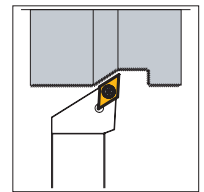
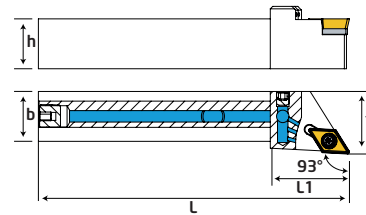
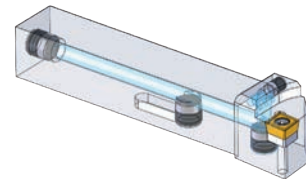
93° SDJCR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SDJCR 1616 H11- IK G1/8	100	32	16	20	16	0,204	DCMT 11T3	SW-SS-10	SW-UP-16	SW-GB-1	T15
SDJCR 2020 K11- IK G1/8	125	32	20	25	20	0,404					
SDJCR 2525 M11- IK G1/8	150	35	25	32	25	0,735					

External Turning Holders With Coolant

93° SDJCL IC

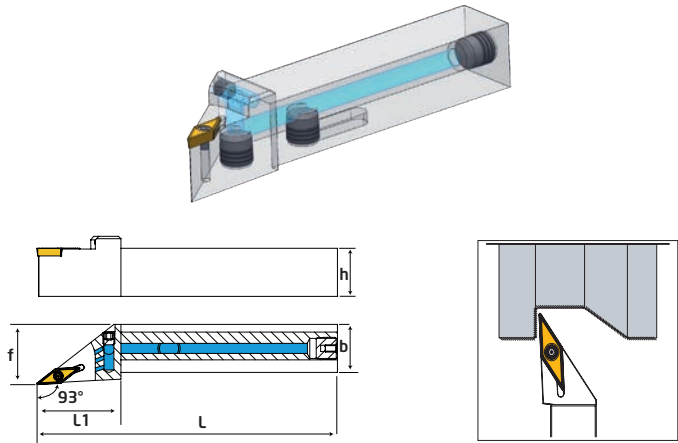


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SDJCL 1616 H11- IK G1/8	100	32	16	20	16	0,204	DCMT 11T3	SW-SS-10	SW-UP-16	SW-GB-1	T15
SDJCL 2020 K11- IK G1/8	125	32	20	25	20	0,404					
SDJCL 2525 M11- IK G1/8	150	35	25	32	25	0,735					

- External Turning Holders Coolant
- Klemmhalter Gekühlt

External Turning Holders With Coolant

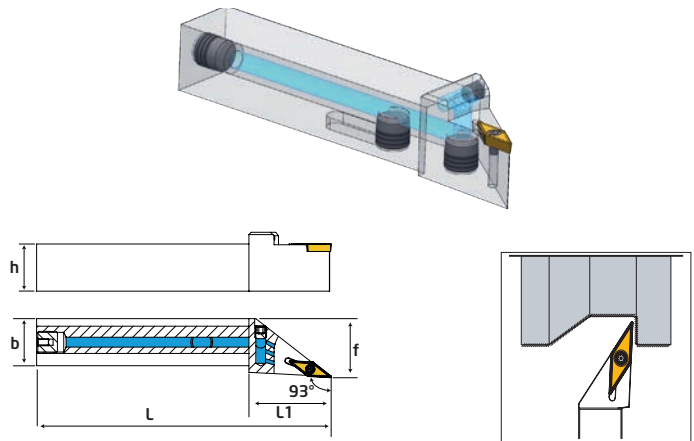
93° SVJCR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüs- sel
	L	L1	h	f	b	kg					
SVJCR 1616 H11- IK G1/8	100	25	16	20	16	0,204	VCMT 1103	SW-SS-12	---	---	T8
SVJCR 2020 K11- IK G1/8	125	33	20	25	20	0,378					
SVJCR 2020 K16- IK G1/8	125	33	20	25	20	0,385	VCMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVJCR 2525 M16- IK G1/8	150	40	25	32	25	0,683					

External Turning Holders With Coolant

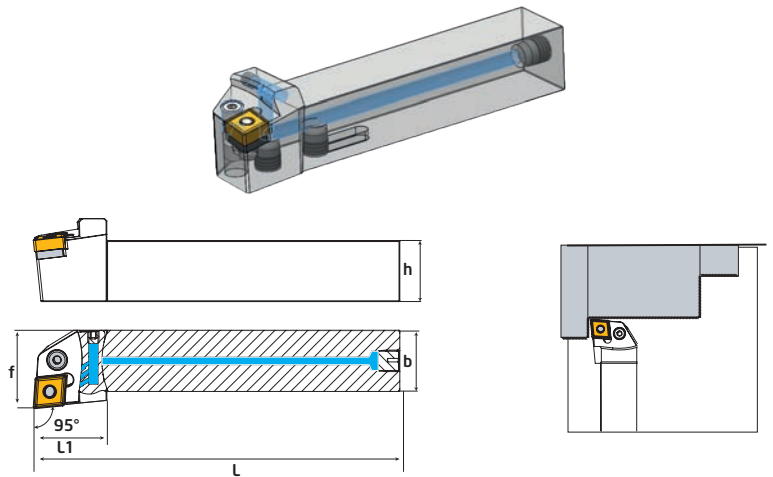
93° SVJCL IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	im U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SVJCL 1616 H11- IK G1/8	100	25	16	20	16	0,204	VCMT 1103	SW-SS-12	---	---	T8
SVJCL 2020 K11- IK G1/8	125	33	20	25	20	0,378					
SVJCL 2020 K16- IK G1/8	125	33	20	25	20	0,385	VCMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVJCL 2525 M16- IK G1/8	150	40	25	32	25	0,683					

External Turning Holders With Coolant

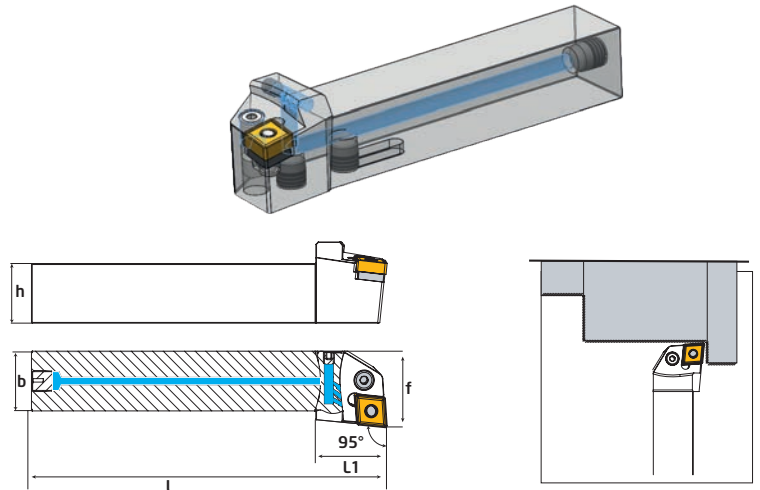
95° PCLNR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key In- buss-Schlüs- sel
	L	L1	h	f	b	kg						
PCLNR 1616 H12- IK G1/8	100	28	16	20	16	0,236	CNMG 1204		SW-UP-2	SW-RS-2	SW-KH-1	
PCLNR 2020 K12 - IK G1/8	125	28	20	25	20	0,428	CNMG 1204	SW-SS-1	SW-UP-2	SW-RS-2	SW-KH-1	3 Mm
PCLNR 2525 M12 - IK G1/8	150	30	25	32	25	0,781						

External Turning Holders With Coolant

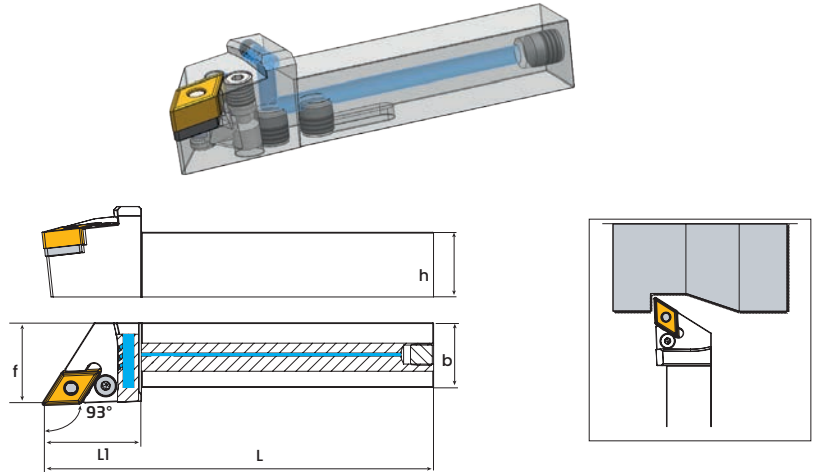
95° PCLNL IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key
	L	L1	h	f	b	kg						
PCLNL 1616 H12 - IK G1/8	100	28	16	20	16	0,236	CNMG 1204		SW-UP-2	SW-RS-2	SW-KH-1	
PCLNL 2020 K12 - IK G1/8	125	28	20	25	20	0,428	CNMG 1204	SW-SS-1	SW-UP-2	SW-RS-2	SW-KH-1	3 Mm
PCLNL 2525 M12 - IK G1/8	150	30	25	32	25	0,781						

- External Turning Holders Coolant
- Klemmhalter Gekühlt

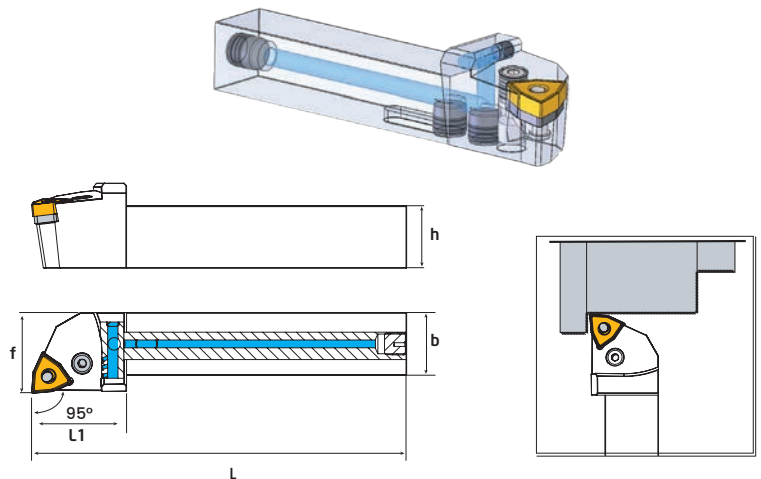
External Turning Holders With Coolant 93° PDJNR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehe- bel	Allen Key Inbuss-Schlüssel
	L	L1	h	f	b	kg						
PDJNR 2020 K15-ICG1/8	125	40	20	25	20	0,409	DNMG 1506	SW-SS-1	SW-UP-7	SW-RS-2	SW-KH-7	3mm
PDJNR 2525 M15-ICG1/8	150	40	25	32	25	0,759	DNMG 1506	SW-SS-1	SW-UP-7			

External Turning Holders With Coolant

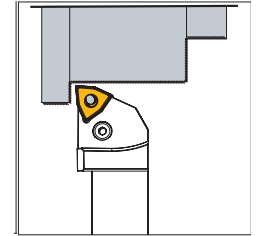
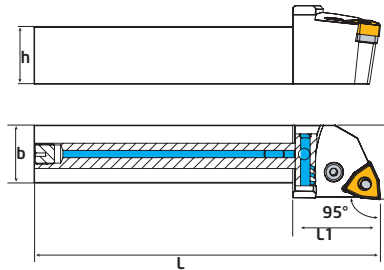
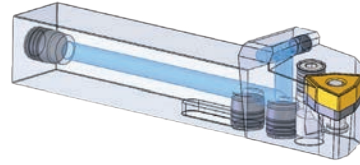
95° PWLNR 08 IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss-Schlüssel
	L	L1	h	f	b	kg						
PWLNR 2020 K08-ICG1/8	125	30	20	25	20	0,425	WNMG 0804	SW-SS-1	SW-UP-12	SW-RS-2	SW-KH-1	3mm
PWLNR 2525 M08-ICG1/8	150	38	25	32	25	0,782						

External Turning Holders With Coolant

95° PWLNL 08 IC



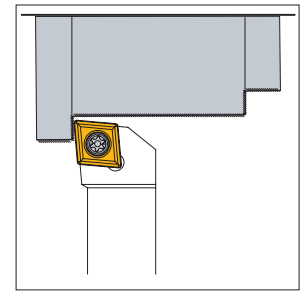
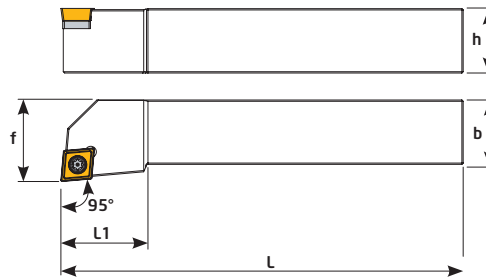
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehe- bel	Allen Key Inbuss-Schlüssel
	L	L1	h	f	b	kg						
PWLNL 2020 K08-ICG1/8	125	30	20	25	20	0,425	WNMG 0804	SW-SS-1	SW- UP-12	SW- RS-2	SW-KH-1	3mm
PWLNL 2525 M08-ICG1/8	150	38	25	32	25	0,782						






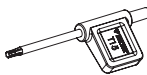
S System External Turning Holders

S System Klemmhalter

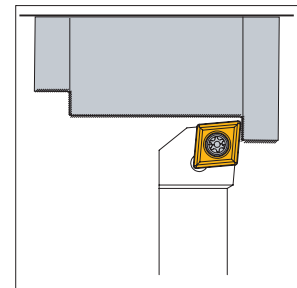
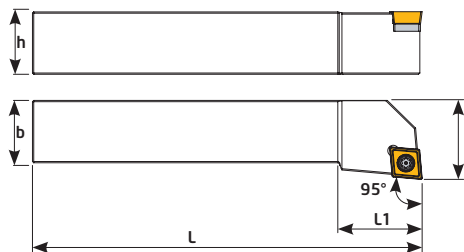






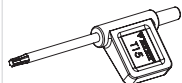

95° SCLCR



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b						
SCLCR 1010 J06	110	10	10	12	10	0,105	CC-- 0602	SW-SS-12	---	---	T8
SCLCR 1212 J09	110	16	12	16	12	0,140	CC-- 09T3	SW-SS-10	---	---	T15
SCLCR 1616 H09	100	20	16	20	16	0,215		SW-SS-10	SW-UP-14	SW-GB-1	
SCLCR 2020 K09	125	25	20	25	20	0,425					
SCLCR 2525 M09	150	25	25	32	25	0,772	CC-- 1204	SW-SS-11	SW-UP-15	SW-GB-2	
SCLCR 2020 K12	125	25	20	25	20	0,421					
SCLCR 2525 M12	150	25	25	32	25	0,768					

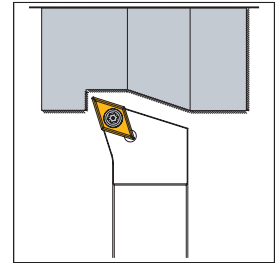
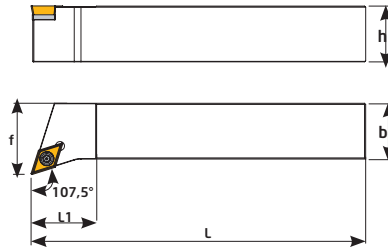
95° SCLCL





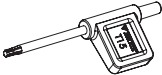


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
											
	L	L1	h	f	b						
SCLCL 1010 J06	110	10	10	12	10	0,105	CC-- 0602	SW-SS-12	---	---	T8
SCLCL 1212 J09	110	16	12	16	12	0,140	CC-- 09T3	SW-SS-10			T15
SCLCL 1616 H09	100	20	16	20	16	0,215		SW-SS-10	SW-UP-14	SW-GB-1	
SCLCL 2020 K09	125	25	20	25	20	0,425					
SCLCL 2525 M09	150	25	25	32	25	0,772					
SCLCL 2020 K12	125	25	20	25	20	0,421	CC-- 1204	SW-SS-11	SW-UP-15	SW-GB-2	
SCLCL 2525 M12	150	25	25	32	25	0,768					

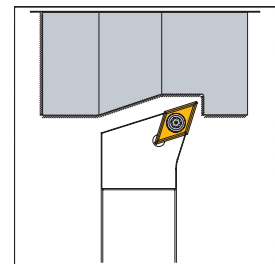
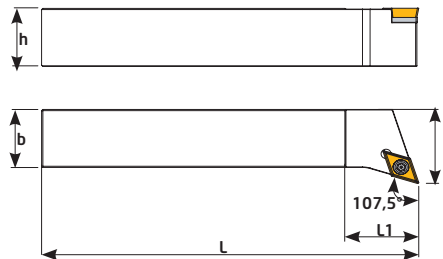
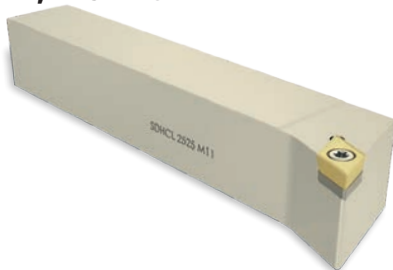
- S System External Turning Holders
- S System Klemmhalter





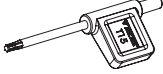
107,5° SDHCR



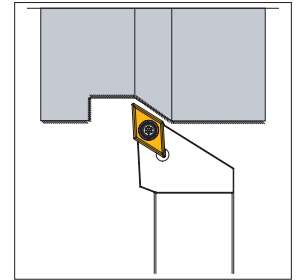
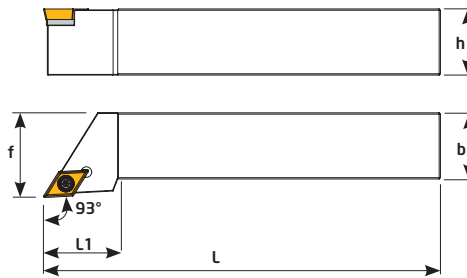
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SDHCR 2020 K11	125	25	20	25	20	0,411	DCMT 11T3	SW-SS-10	SW-UP-16	SW-GB-1	T15
SDHCR 2525 M11	150	25	25	32	25	0,738					





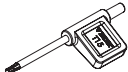

107,5° SDHCL



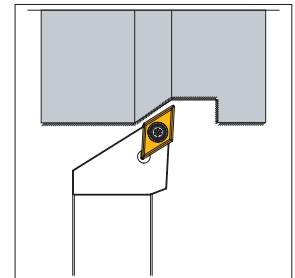
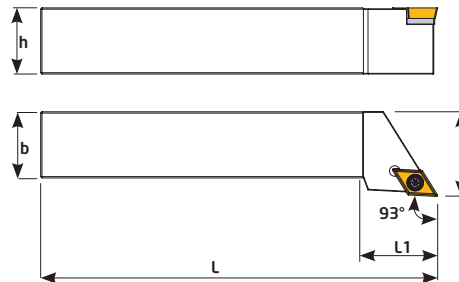
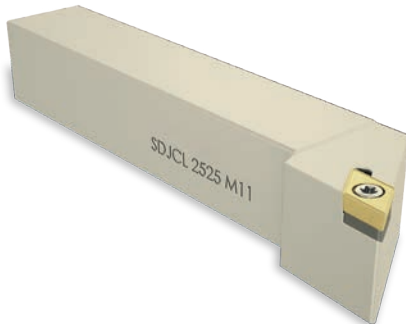
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SDHCL 2020 K11	125	25	20	25	20	0,411	DCMT 11T3	SW-SS-10	SW-UP-16	SW-GB-1	T15
SDHCL 2525 M11	150	25	25	32	25	0,738					






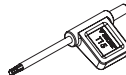
93° SDJCR



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel	
												
	L	Ll	h	f	b							
SDJCR 1010 J07	110	15	10	12	10	0,097	DCMT 0702	SW-SS-12	---	---	T8	
SDJCR 1212 J11	110	20	12	16	12	0,132	DCMT 11T3	SW-SS-12	---	---	T15	
SDJCR 1616 H11	100	25	16	20	16	0,204		SW-SS-10	SW-UP-16	SW-GB-1		
SDJCR 2020 K11	125	25	20	25	20	0,404						
SDJCR 2525 M11	150	30	25	32	25	0,735						

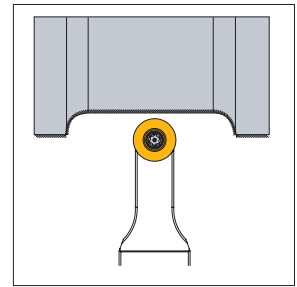
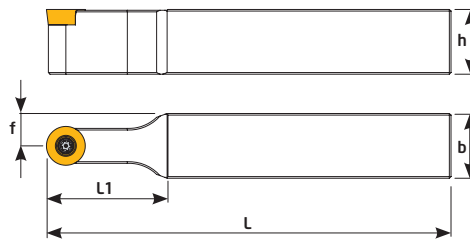
93° SDJCL




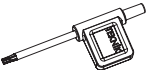


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel	
	L	L1	h	f	b							
SDJCL 1010 J07	110	15	10	12	10	0,097	DCMT 0702	SW-SS-12	---	---	T8	
SDJCL 1212 J11	110	20	12	16	12	0,132	DCMT 11T3	SW-SS-12	---	---	T15	
SDJCL 1616 H11	100	25	16	20	16	0,204		SW-SS-10	TA030	SW-UP-16		
SDJCL 2020 K11	125	25	20	25	20	0,404						
SDJCL 2525 M11	150	30	25	32	25	0,735						

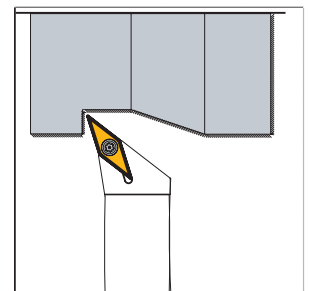
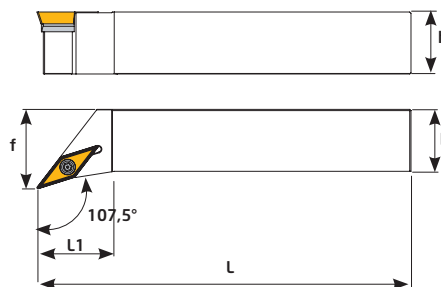
- S System External Turning Holders
- S System Klemmhalter

SRDCN



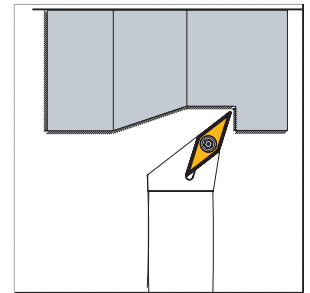
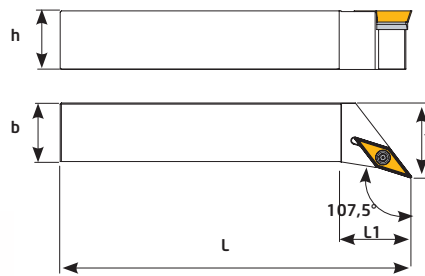
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b				
SRDCN 2020 K08	125	37	20	10	20	0,358	RCMT 0803	SW-SS-13	T8
SRDCN 2525 M08	150	37	25	12.5	25	0,653			
SRDCN 2020 K10	125	35	20	10	20	0,370	RCMT 10T3	SW-SS-10	T15
SRDCN 2525 M10	150	35	25	12.5	25	0,670			
SRDCN 2020 K12	125	38	20	10	20	0,372	RCMT 1204		
SRDCN 2525 M12	150	38	25	12.5	25	0,668			

107,5 SVHBR



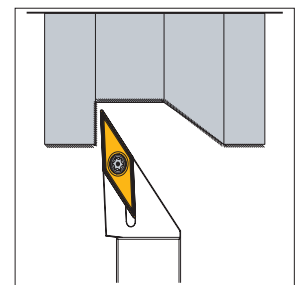
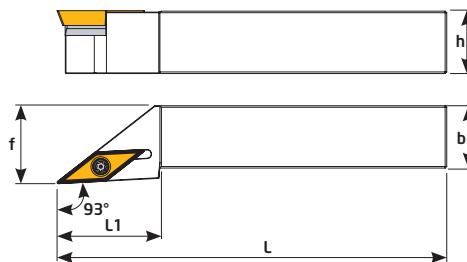
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	AShim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SVHBR 2020 K16	125	30	20	25	20	0,387	VBMT 1604	SW-SS-12	SW-UP-22	SW-GB-1	T15
SVHBR 2525 M16	150	30	25	32	25	0,712					

107,5 SVHBL



Product Code Produkt-Code	Dimensions (mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	(kg)					
SVHBL 2020 K16	125	30	20	25	20	0,387	VBMT 1604	SW-SS-12	SW-UP-22	SW-GB-1	T15
SVHBL 2525 M16	150	30	25	32	25	0,712					

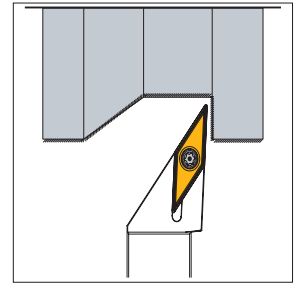
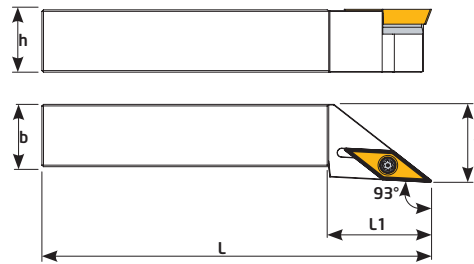
93° SVJBR








Product Code Produkt-Code	Dimensions (mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	(kg)					
SVJBR 1616 H11	100	25	16	20	16	0,192	VBMT 1103	SW-SS-12	---	---	T8
SVJBR 2020 K16	125	33	20	25	20	0,382	VBMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVJBR 2525 M16	150	40	25	32	25	0,688					

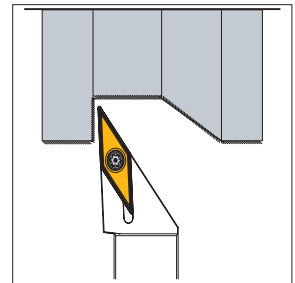
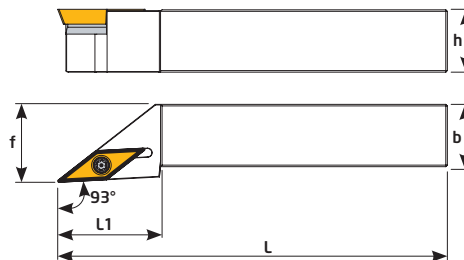
- S System External Turning Holders
- S System Klemmhalter






93° SVJBL



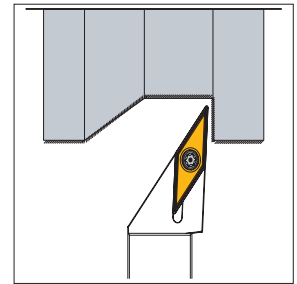
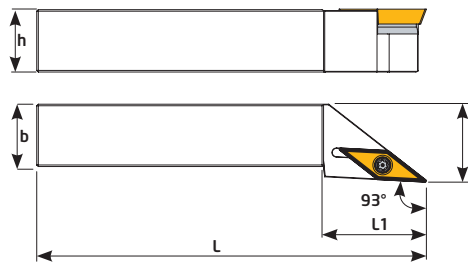
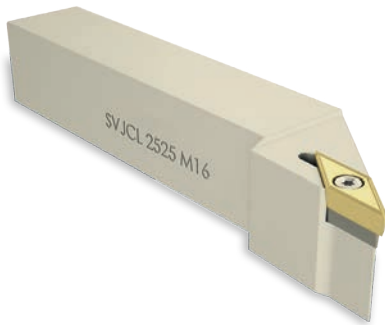
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SVJBL 1616 H11	100	25	16	20	16	0,192	VBMT 1103	SW-SS-12	---	---	T8
SVJBL 2020 K16	125	33	20	25	20	0,382	VBMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVJBL 2525 M16	150	40	25	32	25	0,688					






93° SVJCR



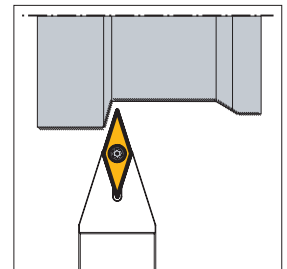
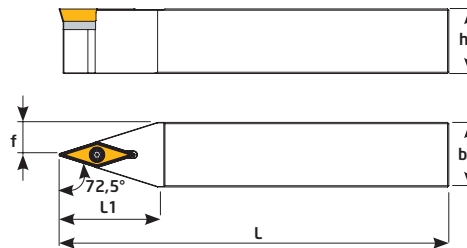
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx- Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SVJCR 1212 J11	110	21	12	16	12	0,135	VCMT 1103	SW-SS-12	---	---	T8
SVJCR 1616 H11	100	25	16	20	16	0,204					
SVJCR 2020 K11	125	33	20	25	20	0,378					
SVJCR 2525 M11	150	40	25	32	25	0,738					
SVJCR 2020 K16	125	33	20	25	20	0,385	VCMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVJCR 2525 M16	150	40	25	32	25	0,683					


93° SVJCL



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	(kg)					
SVJCL 1212 J11	110	21	12	16	12	0,135	VCMT 1103	SW-SS-12	---	---	T8
SVJCL 1616 H11	100	25	16	20	16	0,204					
SVJCL 2020 K11	125	33	20	25	20	0,378					
SVJCL 2525 M11	150	40	25	32	25	0,738					
SVJCL 2020 K16	125	33	20	25	20	0,385	VCMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVJCL 2525 M16	150	40	25	32	25	0,683					

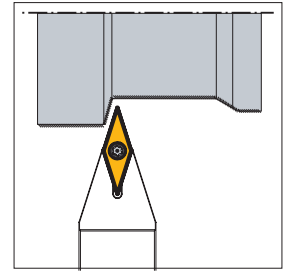
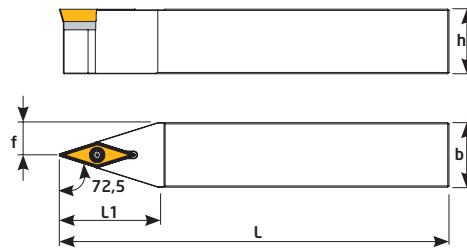
72,5° SVVBN



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	(kg)					
SVVBN 1212 J11	110	25	12	6	12	0,129	VBMT 1103	SW-SS-12	---	---	T8
SVVBN 2020 K16	125	35	20	10	20	0,370	VBMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVVBN 2525 M16	150	40	25	12,5	25	0,668					

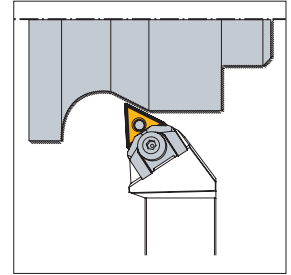
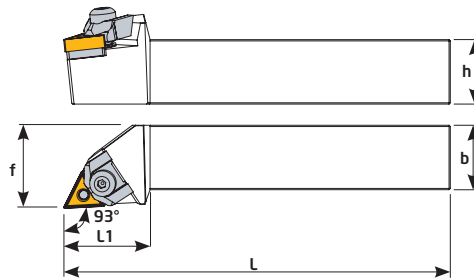
- S System External Turning Holders
- S System Klemmhalter

72,5° SVVCN



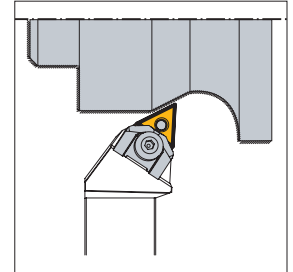
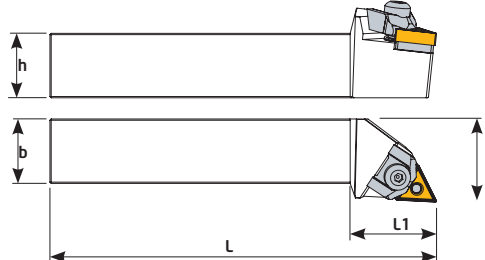
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Shim U-Platte	Shim Screw U-Platte Schraube	Torx Key Torx-Schlüssel
	L	L1	h	f	b	kg					
SVVCN 1212 J11	110	22	12	6	12	0,127	VC-- 1103	SW-SS-12	---	---	T8
SVVCN 2020 K16	125	35	20	10	20	0,373	VCMT 1604	SW-SS-10	SW-UP-22	SW-GB-1	T15
SVVCN 2525 M16	150	40	25	12,5	25	0,675					

93° MTJNR



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Locking Screw Verriegelungs Schraube	Shim U-Platte	Lock Pin Rohrstift	Clamp Spann pratze	Spring Feder	Washer U-Scheibe	Allen Key In- buss-Schlüs- sel
	L	L1	h	f	b	kg								
MTJNR 2020 K16	125	35	20	25	20	0,429	TN-- 1604	TC046 M5	SW-UP-1	SW-RS-1	SW-KL-1	BY043	BSP031	3 Mm
MTJNR 2525 M16	150	35	25	32	25	0,760								

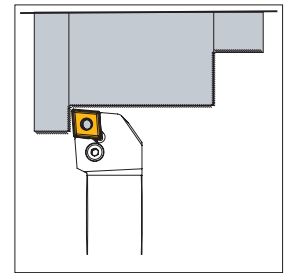
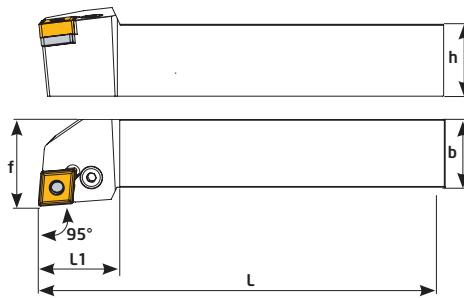
93° MTJNL










Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Locking Screw Verriegelungs Schraube	Shim U-Platte	Lock Pin Rohrstift	Clamp Spann pratze	Spring Feder	Washer U-Scheibe	Allen Key Inbuss-Schlüs- sel
	L	L1	h	f	b	kg								
MTJNL 2020 K16	125	35	20	25	20	0,429	TN-- 1604	TC046 M5	SW-UP-1	SW-RS-1	SW-KL-1	BY043	BSP031	3 Mm
MTJNL 2525 M16	150	35	25	32	25	0,760								

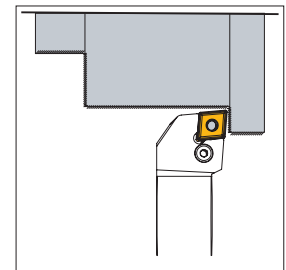
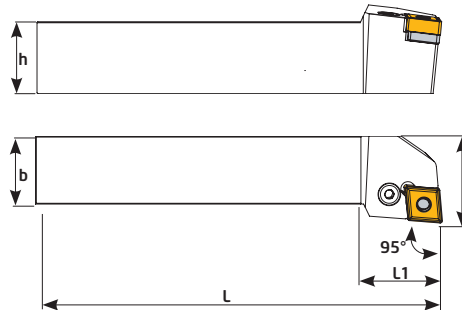
- P System External Turning Holders
- P System Klemmhalter


95° PCLNR



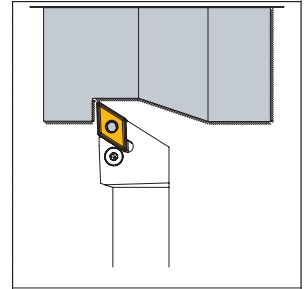
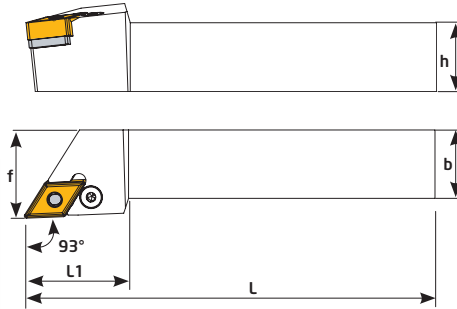
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehe- bel	Allen Key Inbuss-Schlüssel				
																
	L	L1	h	f	b											
PCLNR 1616 H09	100	20	16	20	16	0,231	CNMG 09T3	SW-SS-6	SW-UP-3	SW-RS-5	SW-KH-8	2,5 Mm				
PCLNR 2020 K09	125	22	20	25	20	0,428										
PCLNR 2525 M09	150	22	25	32	25	0,785										
PCLNR 1616 H12	100	30	16	20	16	0,225	CNMG 1204	SW-SS-1	SW-UP-2	SW-RS-2	SW-KH-1	3 Mm				
PCLNR 2020 K12	125	30	20	25	20	0,421		SW-SS-1								
PCLNR 2525 M12	150	30	25	32	25	0,766										
PCLNR 3232 P12	170	30	32	40	32	1,429										

95° PCLNL



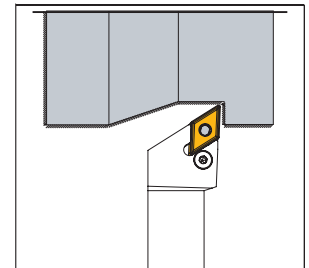
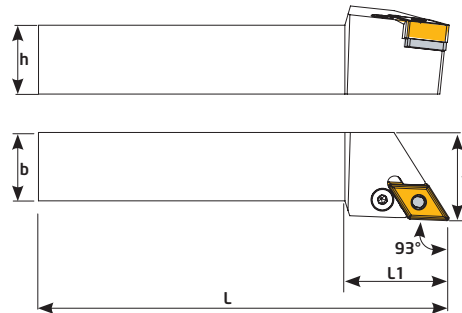
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm-Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehe- bel	Allen Key Inbuss-Schlüssel				
	L	L1	h	f	b											
PCLNL 1616 H09	100	20	16	20	16	0,231	CNMG 09T3	SW-SS-6	SW-UP-3	SW-RS-5	SW-KH-8	2,5 Mm				
PCLNL 2020 K09	125	22	20	25	20	0,428										
PCLNL 2525 M09	150	22	25	32	25	0,785										
PCLNL 1616 H12	100	30	16	20	16	0,225	CNMG 1204	SW-SS-1	SW-UP-2	SW-RS-2	SW-KH-1	3 Mm				
PCLNL 2020 K12	125	30	20	25	20	0,421		SW-SS-1								
PCLNL 2525 M12	150	30	25	32	25	0,766										
PCLNL 3232 P12	170	30	32	40	32	1,429										

93° PDJNR



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key In- buss-Schlüs- sel
	L	L1	h	f	b	kg						
PDJNR 1616 H11	100	25	16	25	16	0,242	DNMG 1104	SW-SS-6	SW-UP-6	SW-RS-5	SW-KH-8	2,5 Mm
PDJNR 2020 K11	125	30	20	25	20	0,435		SW-SS-6				
PDJNR 2525 M11	150	30	25	32	25	0,767						
PDJNR 2020 K15	125	35	20	25	20	0,402	DNMG 1506	SW-SS-1	SW-UP-7	SW-RS-2	SW-KH-1B	3 Mm
PDJNR 2525 M15	150	38	25	32	25	0,730		SW-SS-1				
PDJNR 3232 P15	170	38	32	40	32	1,384						

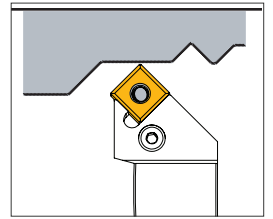
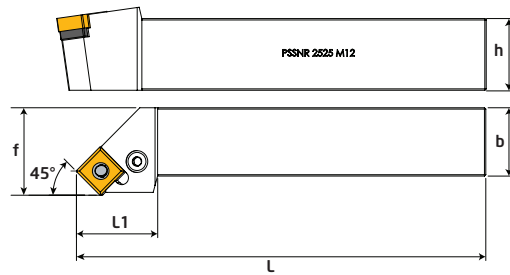
93° PDJNL



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss-Schlüssel
	L	L1	h	f	b	kg						
PDJNL 1616 H11	100	25	16	25	16	0,242	DNMG 1104	SW-SS-6	SW-UP-6	SW-RS-5	SW-KH-8	2,5 Mm
PDJNL 2020 K11	125	30	20	25	20	0,435		SW-SS-6				
PDJNL 2525 M11	150	30	25	32	25	0,767						
PDJNL 2020 K15	125	35	20	25	20	0,402	DNMG 1506	SW-SS-1	SW-UP-7	SW-RS-2	SW-KH-1B	3 Mm
PDJNL 2525 M15	150	38	25	32	25	0,730		SW-SS-1				
PDJNL 3232 P15	170	38	32	40	32	1,384						

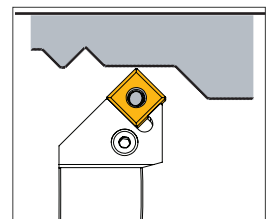
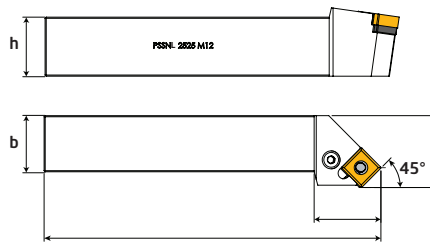
- P System External Turning Holders
- P System Klemmhalter

45° PSSNR



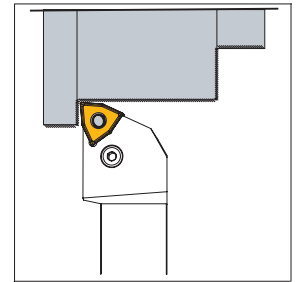
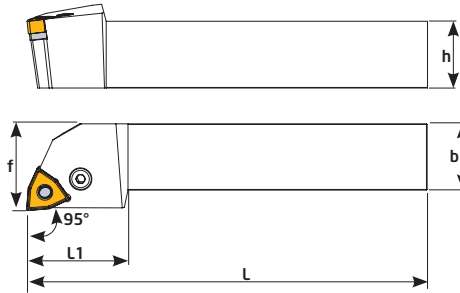
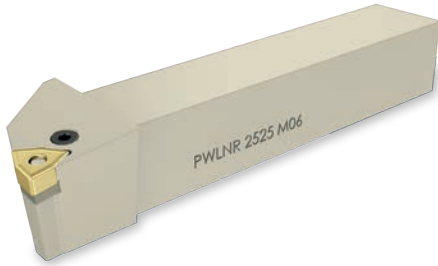
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss-Schlüssel
	L	L1	h	f	b	kg						
PSSNR 1616 H12	100	30	16	20	16	0,218	SNMG 1204	SW-SS-1	SW-UP-8	SW-RS-2	SW-KH-1	3 Mm
PSSNR 2525 M12	150	30	25	32	25	0,742		SW-SS-1				






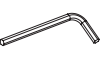
45° PSSNL



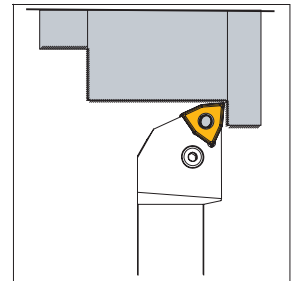
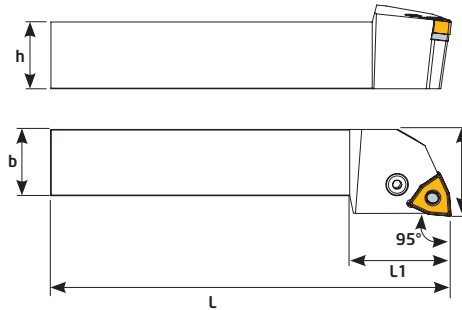
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss-Schlüssel
	L	L1	h	f	b	kg						
PSSNL 2020 K12	125	30	20	25	20	0,416	SNMG 1204	SW-SS-1	SW-UP-8	SW-RS-2	SW-KH-1	3 Mm
PSSNL 2525 M12	150	30	25	32	25	0,742		SW-SS-1				






95° PWLNR 06



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss- Schlüssel
	L	LI	h	f	b	kg						
PWLNR 1616 H06	100	30	16	20	16	0,223	WNMG 0604	SW-SS-6	TA021	SW-RS-5	SW-KH-8	2,5 Mm
PWLNR 2020 K06	125	30	20	25	20	0,429						
PWLNR 2020 K08	125	30	20	25	20	0,430	WNMG 0804	SW-SS-1	TA020-1	SW-RS-2	SW-KH-1	3 Mm
PWLNR 2525 M06	150	30	25	32	25	0,758	WNMG 0604	SW-SS-6	TA021	SW-RS-5	SW-KH-8	2,5 Mm
PWLNR 2525 M08	150	38	25	32	25	0,773	WNMG 0804	SW-SS-1	TA020-1	SW-RS-2	SW-KH-1	3 Mm
PWLNR 3232 P08	170	38	32	40	32	1,421						

95° PWLNL 06



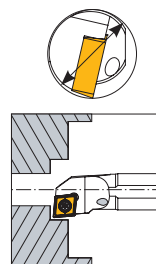
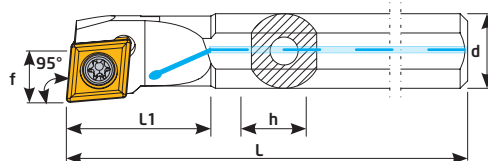
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss- Schlüssel
	L	LI	h	f	b	kg						
PWLNL 1616 H06	100	30	16	20	16	0,223	WNMG 0604	SW-SS-6	TA021	SW-RS-5	SW-KH-8	2,5 Mm
PWLNL 2020 K06	125	30	20	25	20	0,429						
PWLNL 2020 K08	125	30	20	25	20	0,430	WNMG 0804	SW-SS-1	TA020-1	SW-RS-2	SW-KH-1	3 Mm
PWLNL 2525 M06	150	30	25	32	25	0,758	WNMG 0604	SW-SS-6	TA021	SW-RS-5	SW-KH-8	2,5 Mm
PWLNL 2525 M08	150	38	25	32	25	0,773	WNMG 0804	SW-SS-1	TA020-1	SW-RS-2	SW-KH-1	3 Mm
PWLNL 3232 P08	170	38	32	40	32	1,421						



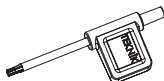
- AS System / S System Boring Bars
- AS System / S System Bohrstange

95° SCLCR IC



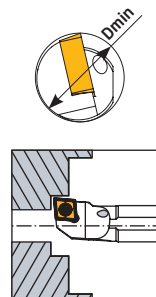
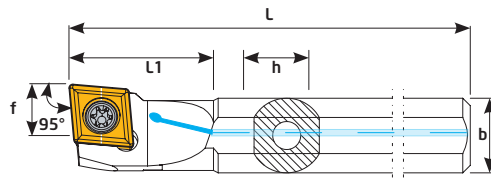
Boring Bars With Coolant



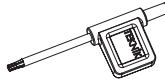


Product Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A08H SCLCR 06	10	8	100	16	5,5	7	0,050	CC-- 0602	SW-SS-16	T8
A10J SCLCR 06	12	10	110	20	6	9	0,074			
A12K SCLCR 06	16	12	125	25	9	11	0,113			
A16Q SCLCR 09	20	16	180	30	11	15	0,260	CC-- 09T3	SW-SS-17	T15
A20Q SCLCR 09	25	20	180	40	13	18	0,422			

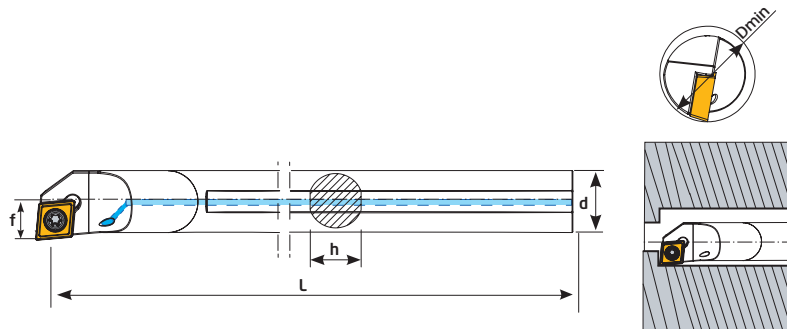
Boring Bars With Coolant



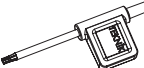
95° SCLCL IC



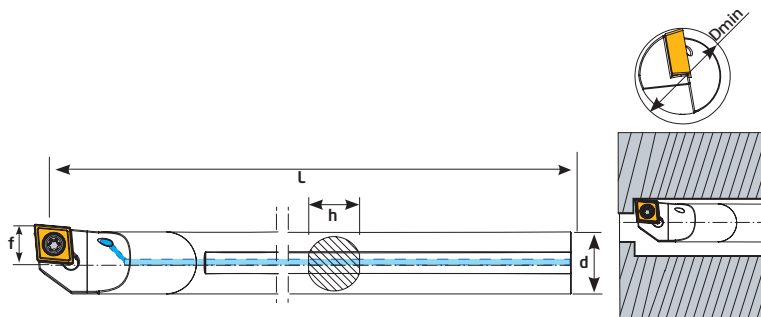
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A08H SCLCL 06	10	8	100	16	5,5	7	0,050	CC-- 0602	SW-SS-16	T8
A10J SCLCL 06	12	10	110	20	6	9	0,074			
A12K SCLCL 06	16	12	125	25	9	11	0,113			
A16Q SCLCL 09	20	16	180	30	11	15	0,260	CC-- 09T3	SW-SS-17	T15
A20Q SCLCL 09	25	20	180	40	13	18	0,422			



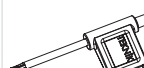
95° E-SCLCR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	f	h	kg			
E08K SCLCR 06	10	8	125	5	7,5	0,050	CC-- 0602	SW-SS-16	T8
E10K SCLCR 06	12	10	125	6	9,5	0,100			
E12M SCLCR 06	16	12	150	7	11,5	0,200			
E16R SCLCR 09	20	16	200	10	15,5	0,500	CCMT 09T3	SW-SS-17	T15
E20S SCLCR 09	25	20	250	13	19,5	0,950			

95° E-SCLCL IC

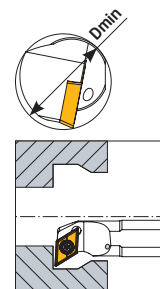
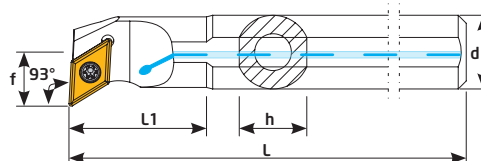




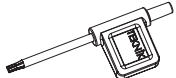
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	f	h	kg			
E08K SCLCL 06	10	8	125	5	7,5	0,050	CC-- 0602	SW-SS-16	T8
E10K SCLCL 06	12	10	125	6	9,5	0,100			
E12M SCLCL 06	16	12	150	7	11,5	0,200			
E16R SCLCL 09	20	16	200	10	15,5	0,500	CCMT 09T3	SW-SS-17	T15
E20S SCLCL 09	25	20	250	13	19,5	0,950			

93° SDUCR IC



Boring Bars With Coolant

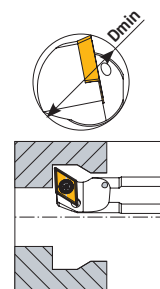
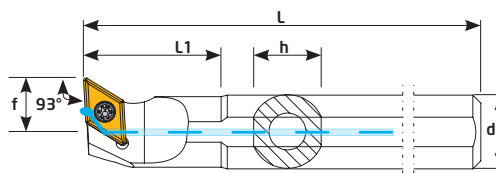




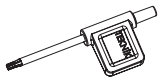
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A10J SDUCR 07	12	10	110	20	7	9	0,080	DC--0702	SW-SS-16	T8
A12K SDUCR 07	16	12	125	25	9	11	0,120			
A16Q SDUCR 07	20	16	180	30	11	15	0,263			
A20Q SDUCR 11	25	20	180	32	13	18	0,432	DC--11T3	SW-SS-17	T15
A25R SDUCR 11	32	25	200	40	17	23	0,746			
A32T SDUCR 11	40	32	300	45	22	30	1,924			

93° SDUCL IC

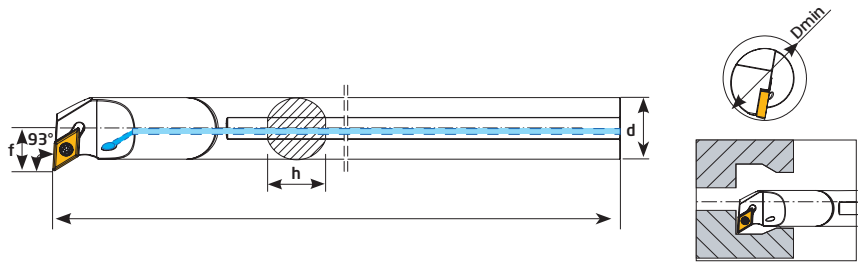
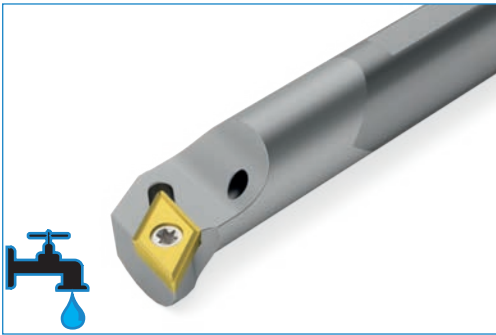


Boring Bars With Coolant



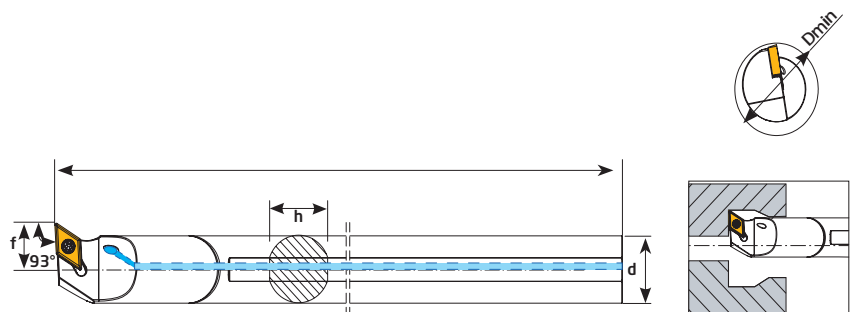
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A10J SDUCL 07	12	10	110	20	7	9	0,080	DC--0702	SW-SS-16	T8
A12K SDUCL 07	16	12	125	25	9	11	0,120			
A16Q SDUCL 07	20	16	180	30	11	15	0,263			
A20Q SDUCL 11	25	20	180	32	13	18	0,432	DC--11T3	SW-SS-17	T15
A25R SDUCL 11	32	25	200	40	17	23	0,746			
A32T SDUCL 11	40	32	300	45	22	30	1,924			

93° E-SDUCR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	f	h				
E10K SDUCR 07	13	10	125	7	9,5	0,050	DCMT 0702	SW-SS-16	T8
E12M SDUCR 07	16	12	150	9	11,5	0,100			
E16R SDUCR 07	20	16	200	11	15,5	0,200			
E20S SDUCR 11	25	20	250	13	19,5	0,950	DCMT 11T3	SW-SS-17	T15

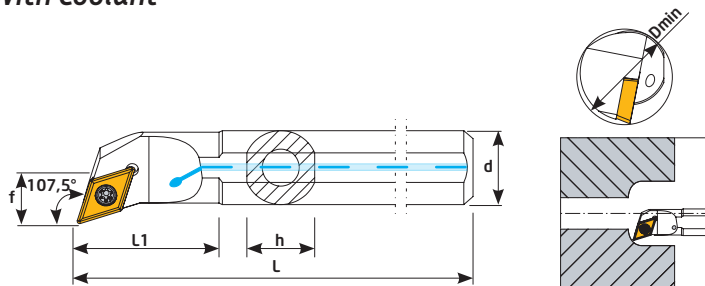
93° E-SDUCL IC



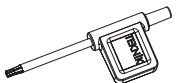


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	f	h				
E10K SDUCL 07	13	10	125	7	9,5	0,050	DCMT 0702	SW-SS-16	T8
E12M SDUCL 07	16	12	150	9	11,5	0,100			
E16R SDUCL 07	20	16	200	11	15,5	0,200			
E20S SDUCL 11	25	20	250	13	19,5	0,950	DCMT 11T3	SW-SS-17	T15

107,5° SDQCR IC

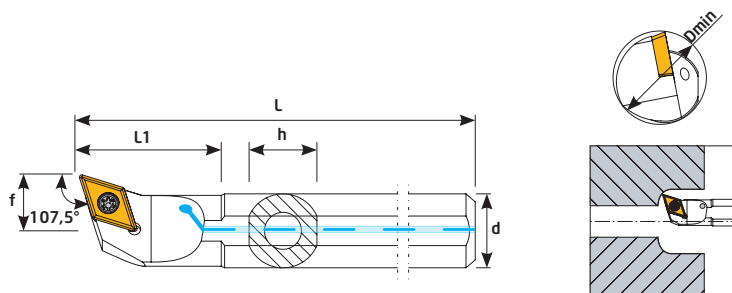
Boring Bars With Coolant



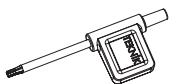


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A10J SDQCR 07	12	10	110	20	7	9	0,074	DC--0702	SW-SS-16	T8
A12K SDQCR 07	16	12	125	25	9	11	0,110			
A16Q SDQCR 07	20	16	180	30	11	15	0,282			
A20Q SDQCR 11	25	20	180	32	13	18	0,425	DC--11T3	SW-SS-17	T15
A25R SDQCR 11	32	25	200	40	17	23	0,738			

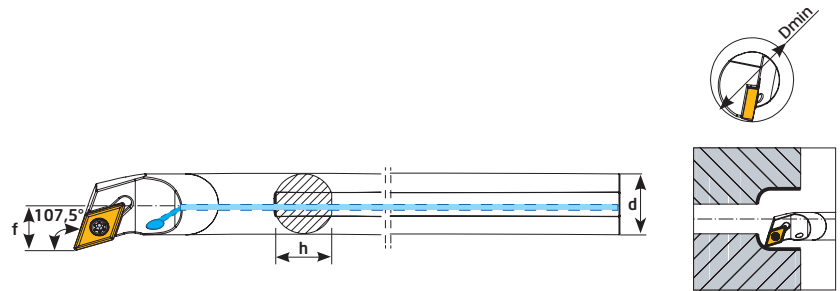
107,5° SDQCL IC

Boring Bars With Coolant



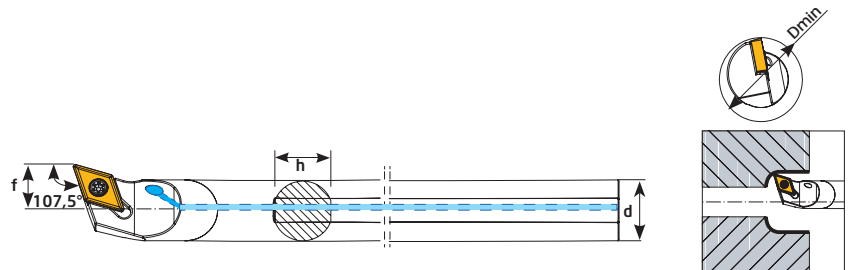
Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A10J SDQCL 07	12	10	110	20	7	9	0,074	DC--0702	SW-SS-16	T8
A12K SDQCL 07	16	12	125	25	9	11	0,110			
A16Q SDQCL 07	20	16	180	30	11	15	0,282			
A20Q SDQCL 11	25	20	180	32	13	18	0,425	DC--11T3	SW-SS-17	T15
A25R SDQCL 11	32	25	200	40	17	23	0,738			

107,5° E-SDQCR IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	f	h				
E10K SDQCR 07	13	10	125	7	9,5	0,050	DCMT 0702	SW-SS-16	T8
E12M SDQCR 07	16	12	150	9	11,5	0,100			
E16R SDQCR 07	20	16	200	11	15,5	0,200			
E20S SDQCR 11	25	20	250	13	19,5	0,950	DCMT 11T3	SW-SS-17	T15

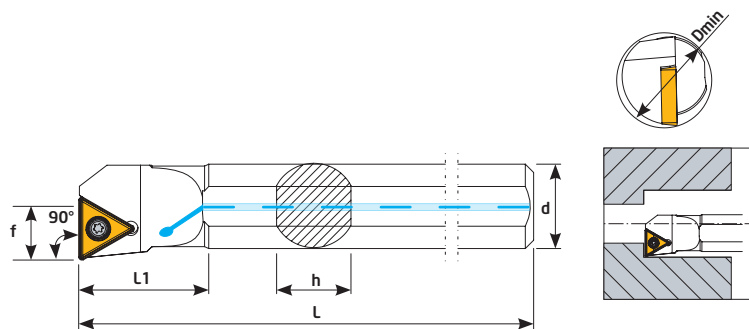
107,5° E-SDQCL IC



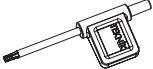


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)						Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	f	h				
E10K SDQCL 07	13	10	125	7	9,5	0,050	DCMT 0702	SW-SS-16	T8
E12M SDQCL 07	16	12	150	9	11,5	0,100			
E16R SDQCL 07	20	16	200	11	15,5	0,200			
E20S SDQCL 11	25	20	250	13	19,5	0,950	DCMT 11T3	SW-SS-17	T15

90° STFCR IC

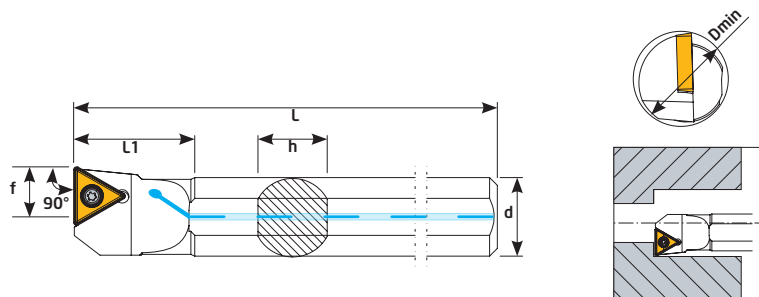
Boring Bars With Coolant



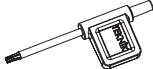


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	(kg)			
A12K STFCR 11	16	12	125	25	9	11	0,053	TCMT 1102	SW-SS-16	T8
A16Q STFCR 11	20	16	180	30	11	15	0,289			
A20Q STFCR 16	25	20	180	32	13	18	0,440	TCMT 16T3	SW-SS-17	T15
A25R STFCR 16	32	25	200	40	16	23	0,754			

90° STFCL IC

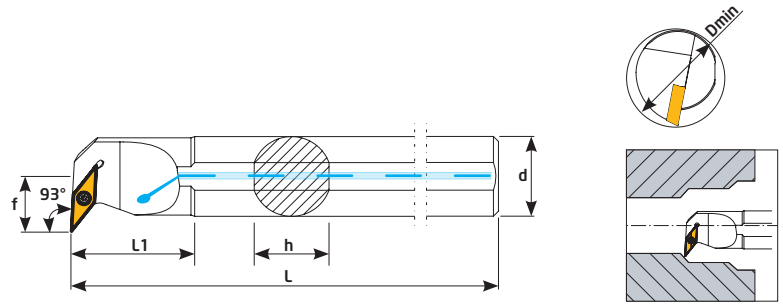
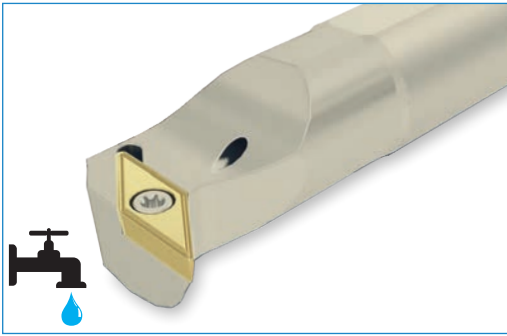
Boring Bars With Coolant



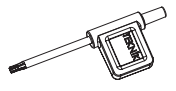


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	(kg)			
A12K STFCL 11	16	12	125	25	9	11	0,053	TCMT 1102	SW-SS-16	T8
A16Q STFCL 11	20	16	180	30	11	15	0,289			
A20Q STFCL 16	25	20	180	32	13	18	0,440	TCMT 16T3	SW-SS-17	T15
A25R STFCL 16	32	25	200	40	16	23	0,754			

93° SVUBR IC

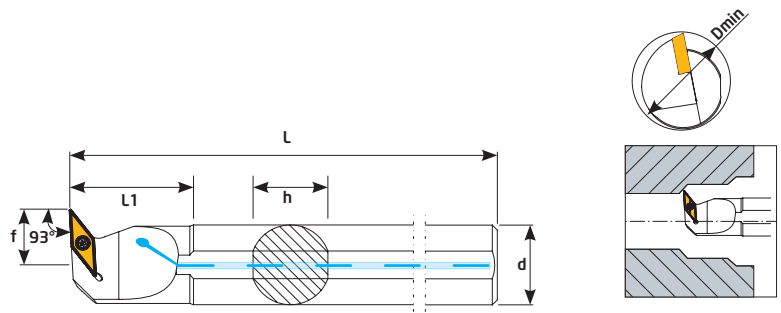
Boring Bars With Coolant



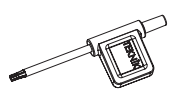


Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A25R SVUBR 16	32	25	200	40	17	23	0,723	VBMT 1604	SW-SS-17	T15
A32T SVUBR 16	40	32	300	50	22	30	1,909			

Boring Bars With Coolant

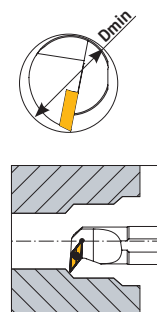
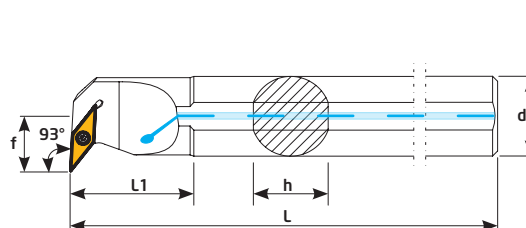
93° SVUBL IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h	kg			
A25R SVUBL 16	32	25	200	40	17	23	0,723	VBMT 1604	SW-SS-17	T15
A32T SVUBL 16	40	32	300	50	22	30	1,909			

93° SVUCR IC

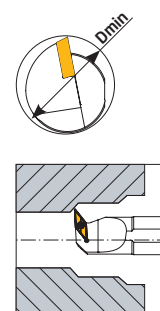
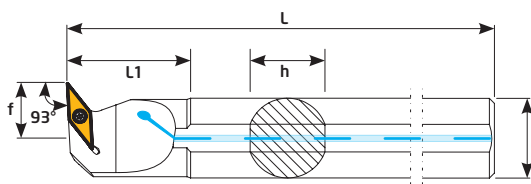
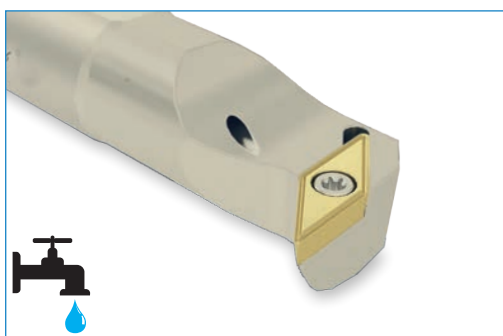
Boring Bars With Coolant



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h				
A16Q SVUCR 11	20	16	180	30	11	15	0,268	VCMT 1103	SW-SS-16	T8
A20Q SVUCR 11	25	20	180	32	13	18	0,689			
A25R SVUCR 16	32	25	200	40	17	23	0,720	VCMT 1604	SW-SS-17	T15
A32T SVUCR 16	40	32	300	50	22	30	1,812			

93° SVUCL IC

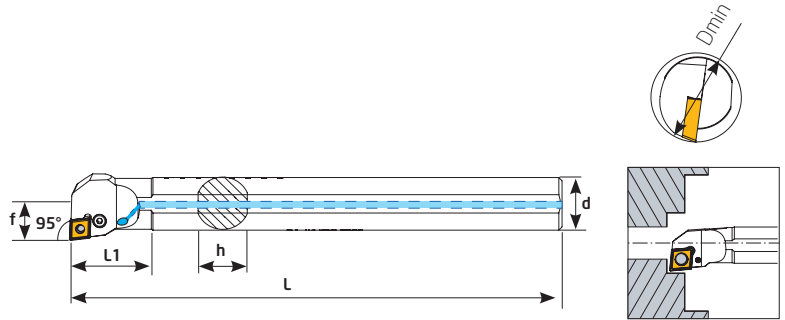
Boring Bars With Coolant



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Torx-Schraube	Torx Key Torx-Schlüssel
	Dmin	d	L	L1	f	h				
A16Q SVUCL 11	20	16	180	30	11	15	0,268	VCMT 1103	SW-SS-16	T8
A20Q SVUCL 11	25	20	180	32	13	18	0,689			
A25R SVUCL 16	32	25	200	40	17	23	0,720	VCMT 1604	SW-SS-17	T15
A32T SVUCL 16	40	32	300	50	22	30	1,812			

Boring Bars With Coolant

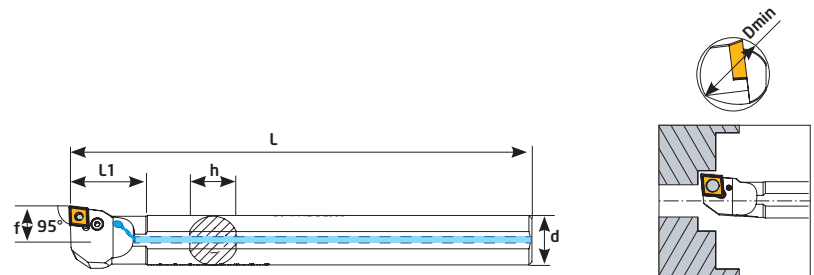
95° PCLNR IC









Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss-Schlüs- sel
	Dmin	d	L	L1	f	h	kg						
A20R PCLNR 12	24	20	200	50	13	18	0,520	CNMG1204	SW-SS-6	---	---	SW-KH-1A	2,5 Mm
A25S PCLNR 12	32	25	250	50	17	23	0,921						
A32T PCLNR 12	40	32	300	50	22	30	1,809						
A40T PCLNR 12	50	40	300	55	27	38	1,820						
									SW-SS-1	SW-UP-2	SW-RS-2	SW-KH-1	3 Mm

Boring Bars With Coolant

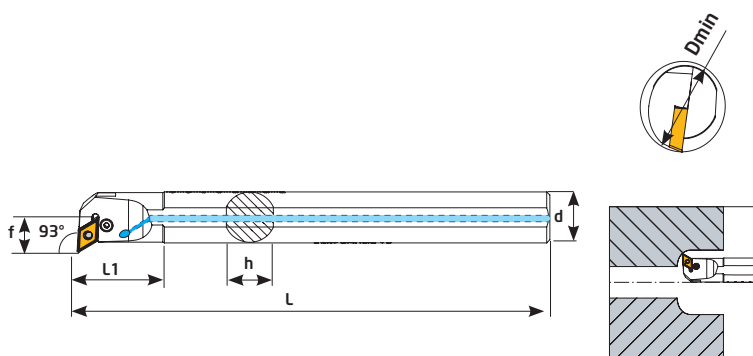
95° PCLNL IC



Sipariş Kodu Order Code Best.- Nr.	Stok/Stock/Lager	Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Knie- hebel	Allen Key In- buss-Schlüs- sel
			Dmin	d	L	L1	f	h	kg						
AP350	●	A25S PCLNL 12	32	25	250	50	17	23	0,921	CNMG 1204	SW-SS-6	---	---	SW- KH-1A	2,5 Mm
AP352	●	A32T PCLNL 12	40	32	300	50	22	30	1,809						
AP354	●	A40T PCLNL 12	50	40	300	55	27	38	1,820						
											SW-SS-1	SW- UP-2	SW-RS-2	SW- KH-1	3 Mm

Boring Bars With Coolant

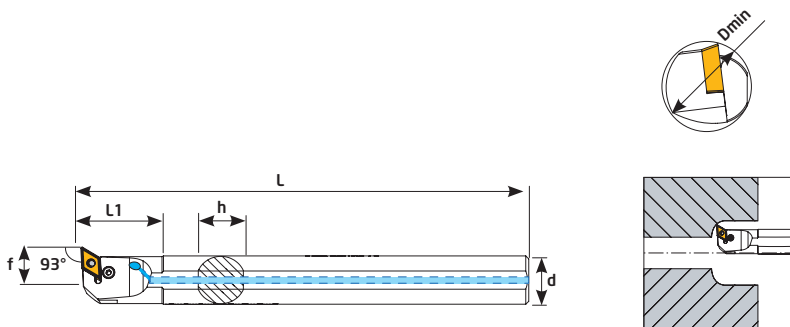
93° PDUNR IC









Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehebel	Allen Key Inbuss-Schlüssel
	Dmin	d	L	L1	f	h	(kg)						
A32T PDUNR 15	40	32	300	55	22	30	1,770	DNMG 1506	SW-SS-1	SW-UP-7	SW-RS-2	SW-KH-1B	3 Mm
A40T PDUNR 15	50	40	300	55	27	38	1,790						

Boring Bars With Coolant

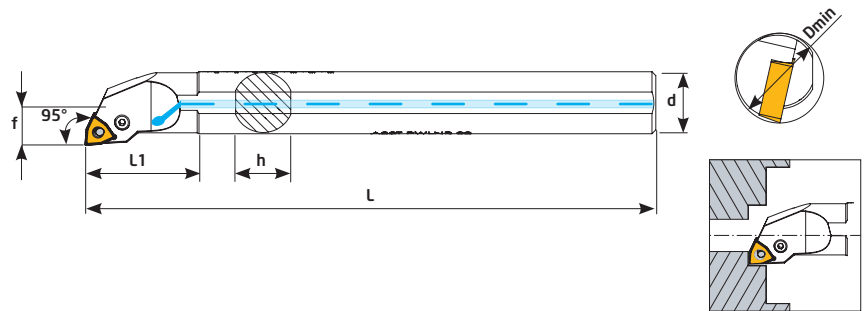
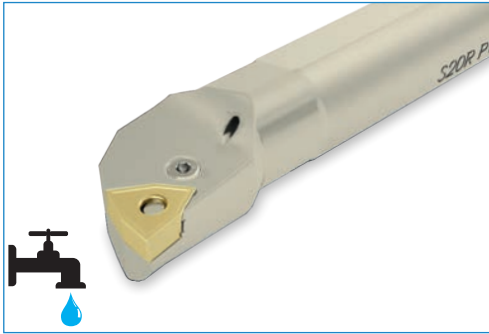
93° PDUNL IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Klemm- Schraube	Shim U-Platte	Lock Pin Rohrstift	Lever Kniehe- bel	Allen Key In- buss-Schlüs- sel
	Dmin	d	L	L1	f	h	(kg)						
A32T PDUNL 15	40	32	300	55	22	30	1,770	DNMG 1506	SW-SS-1	SW-UP-7	SW-RS-2	SW-KH-1B	3 Mm
A40T PDUNL 15	50	40	300	55	27	38	1,790						

Boring Bars With Coolant

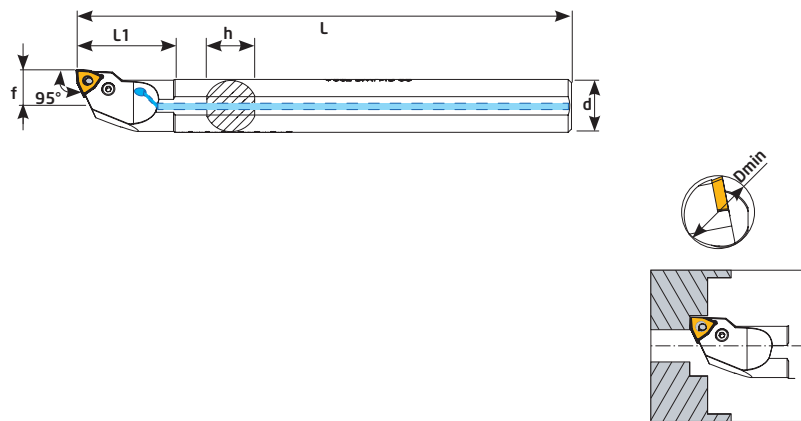
95° PWLNR 06 IC



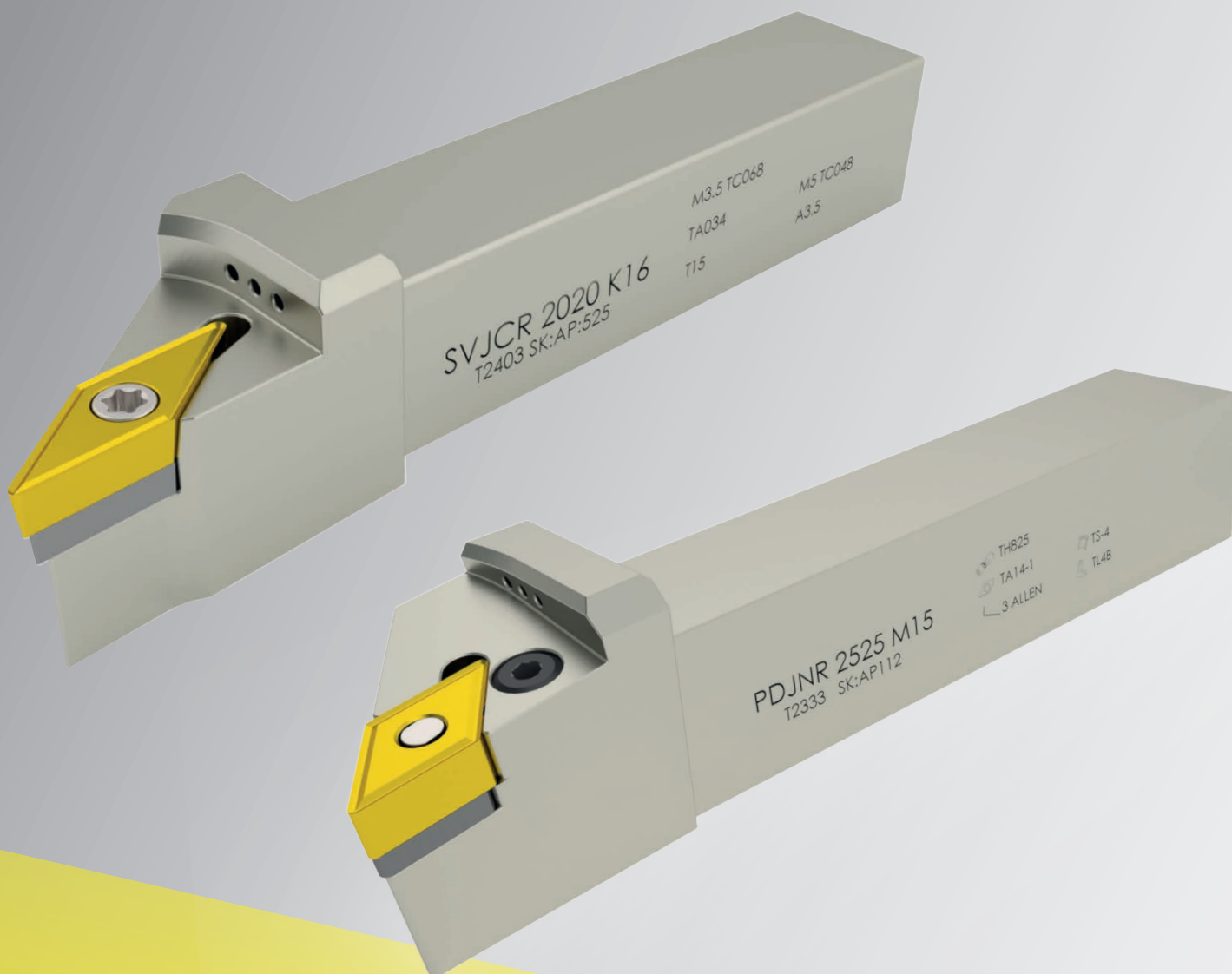
Sipariş Kodu Order Code Best.-Nr.	Stok/Stock/Lager	Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Klemm-Schraube	Lever Kniehebel	Allen Key Inbuss-Schlüssel
			Dmin	d	L	L1	f	h	(kg)				
AP380	●	A16R PWLNR 06	20	16	200	40	11	15	0,326	WNMG 0604	SW-SS-8	SW-KH-8B	2 Mm
AP382	●	A20R PWLNR 06	25	20	200	40	13	18	0,471				
AP362	●	A32T PWLNR 08	40	32	300	60	22	30	1,764	WNMG 0804	SW-SS-1	SW-KH-1	3 Mm

Boring Bars With Coolant

95° PWLNL 06 IC



Product Code Produkt-Code	Dimensions(mm) Abmessungen (mm)							Insert WSP	Clamp Screw Klemm-Schraube	Lever Kniehebel	Allen Key Inbuss-Schlüssel
	Dmin	d	L	L1	f	h	(kg)				
A16R PWLNL 06	20	16	200	40	11	15	0,326	WNMG 0604	SW-SS-8	SW-KH-8B	2 Mm
A20R PWLNL 06	25	20	200	40	13	18	0,471				
A32T PWLNL 08	40	32	300	60	22	30	1,764	WNMG 0804	SW-SS-1	SW-KH-1	3 Mm



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