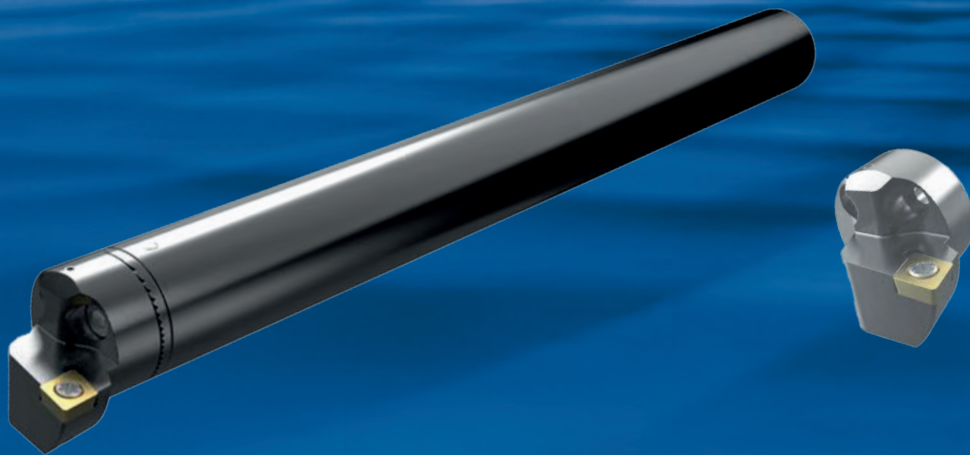


Bohrstangen schwingungsgedämpft
Boring Bars antivibration
Barres d'alésage anti-vibration
Barras para mandrinar antivibratorias

Wechselschneidköpfe
Exchangeable cutting heads
Têtes de coupe interchangeables
Cabezales modulares

CYLINDRICAL & ISO26623 1 PSC



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Bewegung, Schnelligkeit, Präzision – das ist die Welt von EWS. Wir nennen es „Precision meets Motion“, weil wir uns der Bedeutung von Präzision für die Zukunft unserer Kunden und Zielmärkte bewusst sind.

Höchste Qualitätsansprüche und größtes Engagement für die optimale Ausführung unserer Produkte in Form und Funktion stehen dabei im Mittelpunkt. Dafür investieren wir gezielt in modernste Fertigungslinien und entwickeln mit externen Instituten Methoden zur Qualitätssicherung.

Garant für unsere Spitzenleistungen in Entwicklung und Produktion ist dabei das hohe Ausbildungsniveau unserer Mitarbeiter.

Mit Kompetenz und Zuverlässigkeit möchten wir unsere Kunden in der Beratung, im täglichen Austausch und in der Projektabwicklung immer wieder von unseren Leistungen und unserem Service überzeugen.

Motion, speed, precision – this is the world of EWS. We call it “Precision meets Motion”, because we are aware of the importance of precision for the future of our customers and target markets.

Our focus is on highest quality standards and utmost commitment to ensure an optimal design of our products in form and function. For this purpose, we systematically invest in state-of-the-art production lines and develop methods for quality assurance in cooperation with external institutions.

Our top performance in development and production is backed up by the high level of training of our staff members.

Competence and reliability in our advisory services, our daily communication and project management – these are the core elements convincing our customers of our performance and services over and over again.

Bohrstangen

Boring Bars - Barres pour mandrins - Barras para mandrinar

Zylindrisch - Cylindrical - Cilindriques - Cilíndricas		
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Wechselschneidköpfe

Exchangeable cutting heads - Têtes de coupe interchangeables - Cabezales modulares

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INFORMATION

Anleitung

Minimieren Sie den Überhang und wählen Sie den größtmöglichen Durchmesser, um optimale Stabilität und Genauigkeit zu erreichen

Der Freiraum zwischen der Bohrstange und der Innenseite der dient der Spanabfuhr und vermeidet radialer Durchbiegung.

Aufgrund der Konstruktion des Revolvers in einer CNC-Drehmaschine ist die Steifigkeit in der Regel reduziert, daher sollten Sie für ein optimales Ergebnis eine Einspannlänge von mindestens 4 x Dm sicherstellen.

Für optimale Leistung sind der Kontakt, das Design und die Maßtoleranz zwischen Werkzeug und Werkzeughalter wichtige Faktoren. Die höchste Stabilität wird mit einer Aufnahme erreicht, die die Bohrstange vollständig umschließt.

Zylindrische Halter mit Schrauben sind nicht zu empfehlen.

Application guide

Minimize the tool overhang and select the largest possible bar diameter in order to obtain optimum stability and accuracy

Clearance between the boring bar and the inside of the bore is extremely important for chip evacuation and to avoid radial deflection

Due to the design of the turret in a CNC lathe, the rigidity is usually reduced, so for the best result, ensure a clamping length of minimum 4 x Dm

For the best performance of the boring bar, the contact, design and dimensional tolerance between tool and tool holder are important factors. The best stability is obtained with a holder that completely encases the bar.

Cylindrical holder with screws are not recommended.

Guide d'application

Minimisez le porte-à-faux de l'outil et sélectionnez le plus grand diamètre de barre possible pour une stabilité et une précision optimale.

Le jeu entre la barre d'alésage et l'intérieur de l'alésage est très important pour l'évacuation des copeaux et la déviation radiale.

En raison de la conception de la tourelle des tours CNC, la rigidité est généralement réduite. Pour obtenir le meilleur résultat, assurez-vous d'une longueur de serrage de 4 x Dm minimum.

Pour une performance optimale, le contact, la conception et la tolérance dimensionnelle entre l'outil et le porte-outil sont des facteurs importants. La plus grande stabilité est obtenue avec un support qui entoure complètement la barre d'alésage.

Les porte-outils cylindriques avec vis ne sont pas recommandés.

Guía de aplicación

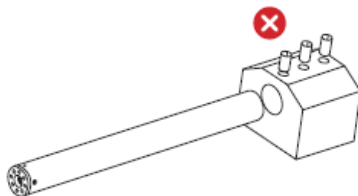
Minimice el voladizo de la herramienta y seleccione el tamaño de la herramienta más grande posible para conseguir la mejor estabilidad y precisión.

La separación entre la barra de mandrinar y el interior del agujero es muy importante para la evacuación de la viruta y la desviación radial.

Debido al diseño de la torreta de los tornos CNC, la rigidez suele quedar reducida, por ello, es importante mejorar la estabilidad aplicando manguitos y portaherramientas de diseño largo, que incrementen la longitud de sujeción. Se recomienda una longitud mínima de 4 x Dm.

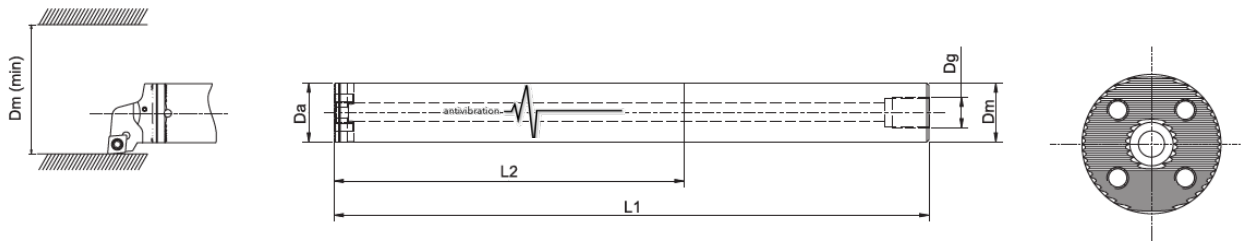
Verifique que el contacto sea máximo en toda la circunferencia utilizando un soporte de casquillo ranurado.

No utilice nunca tornillos en contacto directo con el mango de la barra.

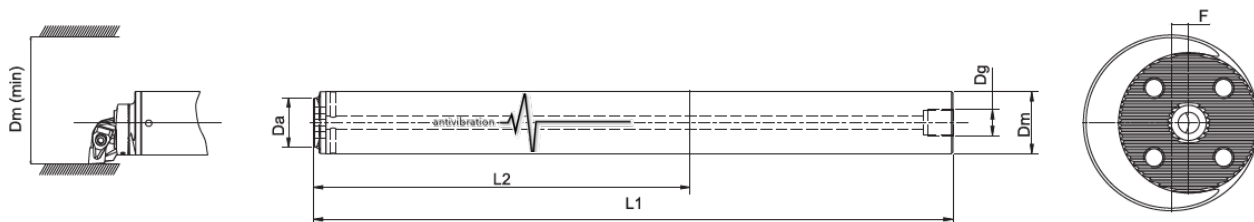


Bohrstangen zylindrisch - schwingungsgedämpft

Boring Bars cylindrical - dampened
Barres d'alésage cylindrique - anti-vibration
Barras para mandrinar cilíndrico - antivibratorias



MNR	Dm	Text	L1	Da	OHX	Dm (min)		L2	Dg	IK/IC
W118194	16	36.ZYL16L156X16(7xD)-SG	156	16	7xD	20	M3x8	100	G1/8"	☑
W118202	20	36.ZYL20L200X20(7xD)-SG	200	20	7xD	25	M3x8	125	G1/4"	☑
W118204	25	36.ZYL25L255X25(7xD)-SG	255	25	7xD	32	M4x12	155	G1/4"	☑
W118208	25	36.ZYL25L330X25(10XD)-SG	330	25	10xD	32	M4x12	255	G1/4"	☑
W118205	32	36.ZYL32L320X32(7xD)-SG	320	32	7xD	40	M5x12	190	G3/8"	☑
W118209	32	36.ZYL32L416X32(10XD)-SG	416	32	10xD	40	M4x12	320	G3/8"	☑
W118207	40	36.ZYL40L408X40(7xD)-SG	408	40	7xD	50	M6x12	240	G1/2"	☑
W118210	40	36.ZYL40L528X40(10XD)-SG	528	40	10xD	50	M6x12	410	G1/2"	☑

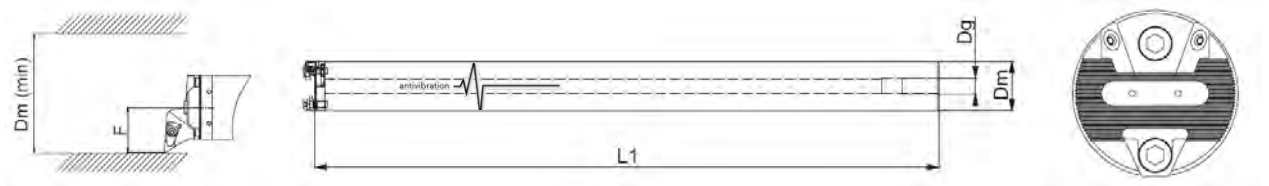


MNR	Dm	Text	L1	Da	OHX	Dm (min)		L2	Dg	f	IK/IC
W118188	50	36.ZYL50L518X40(7xD)-SG	518	40	7xD	60	M6x16	305	G1/2"	5	☑
W118211	50	36.ZYL50L668X40(10XD)-SG	668	40	10XD	60	M6x16	520	G1/2"	5	☑
W117718	60	36.ZYL60L628X40(7xD)-SG	628	40	7xD	72	M6x16	380	G3/4"	10	☑
W118073	60	36.ZYL60L808X40(10XD)-SG	808	40	10XD	72	M6x16	630	G3/4"	10	☑

Bohrstangen - schwingungsgedämpft

Boring Bars cylindrical - dampened
Barres d'alésage cylindrique - anti-vibration
Barras para mandrinar cilíndrico - antivibratorias

Ø 80 • 100



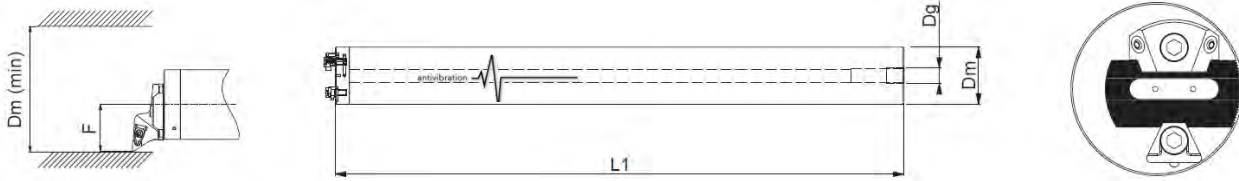
MNR	Dm	Text	L1	Da	OHX	Dm (min)	Dg	f _(min)	f _(max)	IK/IC
W229258	80	36.ZYL80L880X80(7xD)-SG	880	80	7xD	100	G3/4"	55	74	☒
W229259	80	36.ZYL80L1200X80(10xD)-SG	1200	80	10xD	100	G3/4"	55	74	☒
W229260	100	36.ZYL100L1500X80(10xD)-SG	1500	80	10xD	120	G3/4"	67	88	☒



Bohrstangen - schwingungsgedämpft

Boring Bars cylindrical - damped
Barres d'alésage cylindrique - anti-vibration
Barras para mandrinar cilíndrico - antivibratorias

Ø 120 • 130 • 140 • 150 • 160 • 180

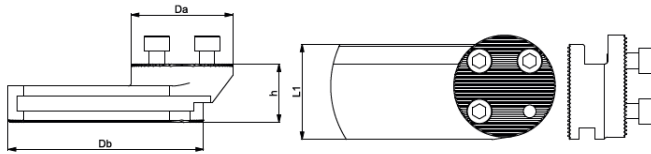


MNR	Dm	Text	L1	Da	OHX	Dm (min)		Dg	f _(min)	f _(max)	IK/IC
W229188	120	36.ZYL120L1900X80R(10xD)-SG	1900	80	10xD	140	R	G3/4"	75	94	☑
W229261	120	36.ZYL120L1900X80L(10xD)-SG	1900	80	10xD	140	L	G3/4"	75	94	☑
W229268	130	36.ZYL130L2000X80R(10xD)-SG	2000	80	10xD	150	R	G3/4"	80	99	☑
W229269	130	36.ZYL130L2000X80L(10xD)-SG	2000	80	10xD	150	L	G3/4"	80	99	☑
W229270	140	36.ZYL140L2200X80R(10xD)-SG	2200	80	10xD	160	R	G3/4"	85	104	☑
W229271	140	36.ZYL140L2200X80L(10xD)-SG	2200	80	10xD	160	L	G3/4"	85	104	☑
W229272	150	36.ZYL150L2400X80R(10xD)-SG	2400	80	10xD	170	R	G3/4"	90	109	☑
W229273	150	36.ZYL150L2400X80L(10xD)-SG	2400	80	10xD	170	L	G3/4"	90	109	☑
W229274	160	36.ZYL160L2600X80R(10xD)-SG	2600	80	10xD	180	R	G3/4"	95	114	☑
W229275	160	36.ZYL160L2600X80L(10xD)-SG	2600	80	10xD	180	L	G3/4"	95	114	☑
W229276	180	36.ZYL180L2800X80R(10xD)-SG	2800	80	10xD	200	R	G3/4"	100	119	☑
W229277	180	36.ZYL180L2800X80L(10xD)-SG	2800	80	10xD	200	L	G3/4"	100	119	☑



Adapter für Wechselschneidköpfe

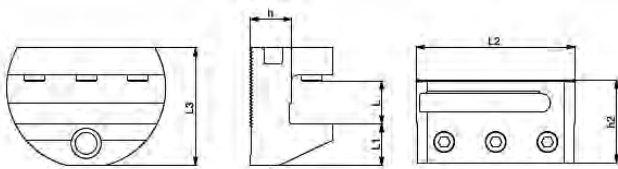
Adapter for cutting heads
Adaptateur pour têtes de coupe
Adaptador para cabezas de corte



MNR	Text	Da	Db	Dm _(min)	h
W229189	18.8040	80	40	23	37,5

Adapter für Drehstahl 20x20

Adaptor for square shank toolholders
Adaptateur pour porte-outils à queue carrée
Adaptador para herramientas con mango cuadrado



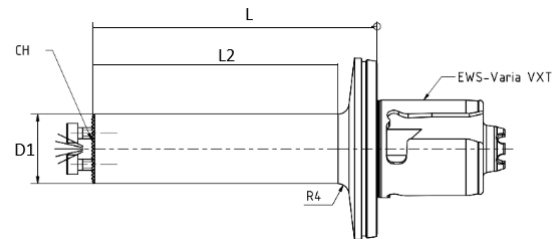
MNR	Text	Da	Db	L ₃	L ₁	L	h	h ₂
W229262	18.8020X20	80	20x20	54,5	18	20	20	40



Bohrstangen für Wechselschneidköpfe

Boring Bars for exchangeable cutting heads
Barres d'alésage pour têtes de coupe interchangeables
Barras de mandrinar para cabezales de corte intercambiables

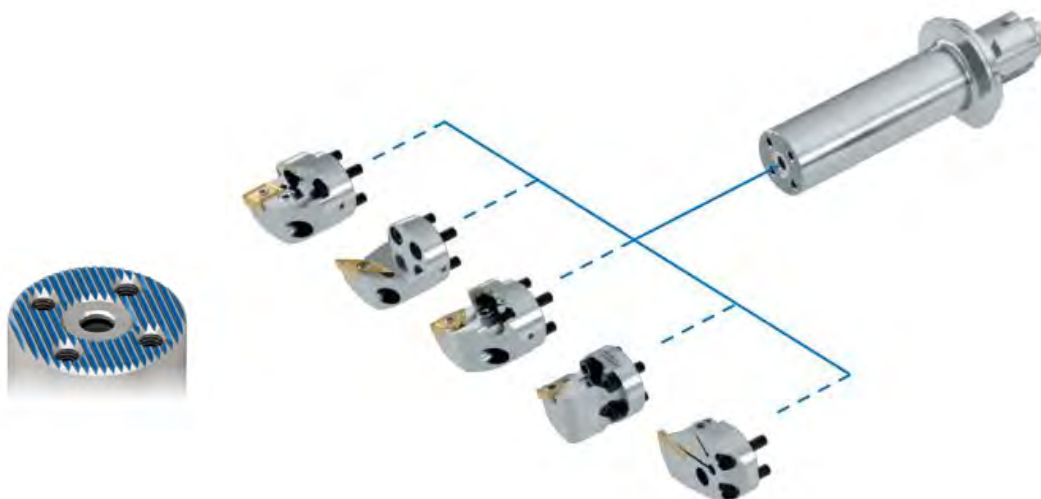
EWS.Varia VXT



MNR	Size	Text	Ø(CH)	L	L2	D1	IK/IC
236090	VXT3	36.VXT3CH20L60X20	CH20	60	48	20	☒
236025	VXT3	36.VXT3CH20L82X20	CH20	82	70	20	☒
236091	VXT3	36.VXT3CH25L45X25	CH25	45	33	25	☒
236026	VXT3	36.VXT3CH25L88X25	CH25	88	76	25	☒
236092	VXT3	36.VXT3CH32L45X32	CH32	45	33	32	☒
236028	VXT3	36.VXT3CH32L108X32	CH32	108	96	32	☒
236093	VXT3	36.VXT3CH40L40X40	CH40	40	28	40	☒
236029	VXT3	36.VXT3CH40L112X40	CH40	112	100	40	☒

MNR	Size	Text	Ø(CH)	L	L2	D1	IK/IC
236094	VXT4	36.VXT4CH25L45X25	CH25	45	31	25	☒
236030	VXT4	36.VXT4CH25L102X25	CH25	102	88	25	☒
236095	VXT4	36.VXT4CH32L45X32	CH32	45	31	32	☒
236031	VXT4	36.VXT4CH32L126X32	CH32	126	112	32	☒
236096	VXT4	36.VXT4CH40L40X40	CH40	40	26	40	☒
236033	VXT4	36.VXT4CH40L132X40	CH40	132	118	40	☒

EWS.Varia VXT - Ihr Schlüssel zu meisterhafter Innendrehbearbeitung



Bohrstangenschäfte für Wechselschneidköpfe

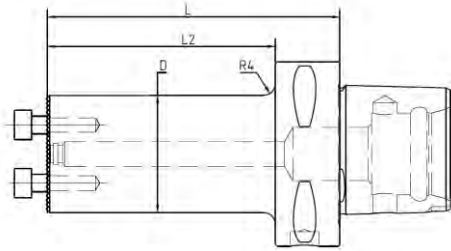
Boring Bars for exchangeable cutting heads

Barres d'alésage pour têtes de coupe interchangeables

Barras de mandrinar para cabezales de corte intercambiables



PSC ISO26623-1



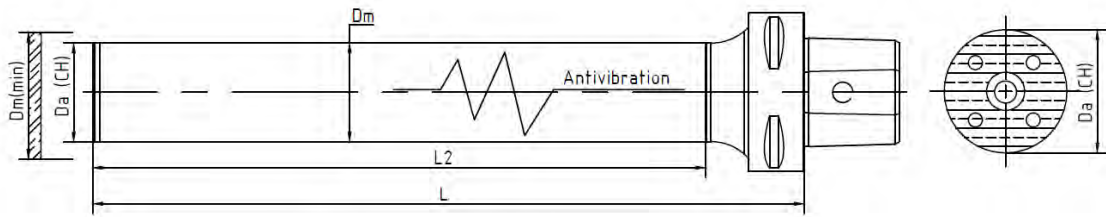
MNR	Size	Text	Ø(CH)	L	L2	D1	IK/IC
W118781	PSC40	36.C416L42X16	16	42	22	16	☑
W118782	PSC40	36.C420L52X20	20	52	32	20	☑
W118783	PSC40	36.C425L55X25	25	55	35	25	☑
W118784	PSC40	36.C432L30X32	32	30	15	32	☑
W118785	PSC40	36.C432L75X32	32	75	55	32	☑
W118786	PSC40	36.C440L80X40	40	80	-	40	☑
MNR	Size	Text	Ø(CH)	L	L2	D1	IK/IC
W118776	PSC50	36.C516L42X16	16	42	22	16	☑
W118777	PSC50	36.C520L52X20	20	52	32	20	☑
W118778	PSC50	36.C525L55X25	25	55	35	25	☑
W118779	PSC50	36.C532L90X32	32	90	55	32	☑
W118780	PSC50	36.C540L100X40	40	100	80	40	☑
MNR	Size	Text	Ø(CH)	L	L2	D1	IK/IC
W118775	PSC63	36.C616L42X16	16	42	20	16	☑
W118774	PSC63	36.C620L52X20	20	52	32	20	☑
W116534	PSC63	36.C625L65X25	25	65	43	25	☑
W116535	PSC63	36.C632L90X32	32	90	68	32	☑
W116536	PSC63	36.C632L125X32	32	125	103	32	☑
W116537	PSC63	36.C640L100X40	40	100	78	40	☑
W116538	PSC63	36.C640L140X40	40	140	118	40	☑

Bohrstangen - schwingungsgedämpft



Boring Bars - dampened
Barres d'alésage - anti-vibration
Barras para mandrinar - antivibratorias

ISO26623-1 PSC40



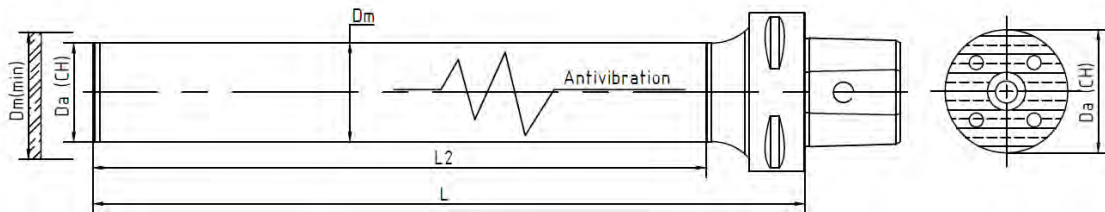
MNR	Size	Text	D_m	D_a (CH)	L	L_2	D_m (min)	IK/IC
W118240	PSC40	36.C416L88X16-SG	16	16	88	63	20	☑
W118241	PSC40	36.C420L107X20-SG	20	20	107	82	25	☑
W118242	PSC40	36.C425L132X25-SG	25	25	132	108	32	☑
W118243	PSC40	36.C425L180X25-SG	25	25	180	156	32	☑
W118244	PSC40	36.C432L154X32-SG	32	32	154	131	40	☑
W118245	PSC40	36.C432L224X32-SG	32	32	224	201	40	☑
W118246	PSC40	36.C440L173X40-SG	40	40	173	173	50	☑
W118247	PSC40	36.C440L288X40-SG	40	40	288	288	50	☑

Bohrstangen - schwingungsgedämpft

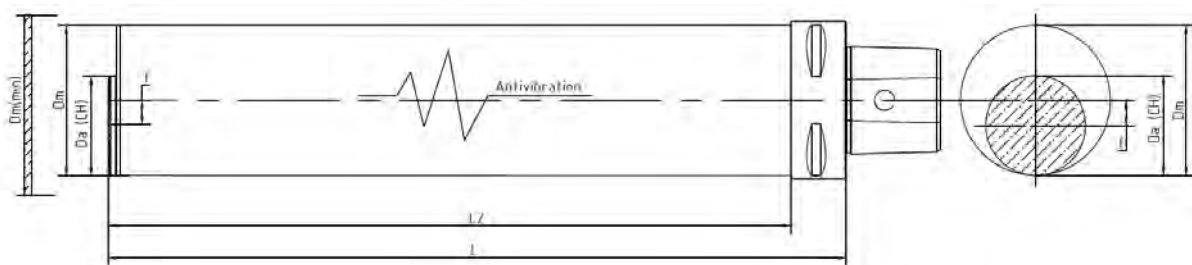
Boring Bars - dampened
 Barres d'alésage - anti-vibration
 Barras para mandrinar - antivibratorias



PSC ISO26623-1 PSC50



MNR	Size	Text	Dm	Da (CH)	L	L2	Dm _(min)	IK/IC
W118191	PSC50	36.C516L85X16-SG	16	16	85	58	20	☒
W118192	PSC50	36.C520L109X20-SG	20	20	109	83	25	☒
W118193	PSC50	36.C525L133X25-SG	25	25	133	107	32	☒
W118195	PSC50	36.C525L180X25-SG	25	25	180	154	32	☒
W118196	PSC50	36.C525L230X25-SG	25	25	230	201	32	☒
W118197	PSC50	36.C532L154X32-SG	32	32	154	129	40	☒
W118198	PSC50	36.C532L224X32-SG	32	32	224	199	40	☒
W118199	PSC50	36.C532L288X32-SG	32	32	288	261	40	☒
W118200	PSC50	36.C540L194X40-SG	40	40	194	170	50	☒
W118201	PSC50	36.C540L288X40-SG	40	40	288	264	50	☒
W118203	PSC50	36.C540L368X40-SG	40	40	368	344	50	☒



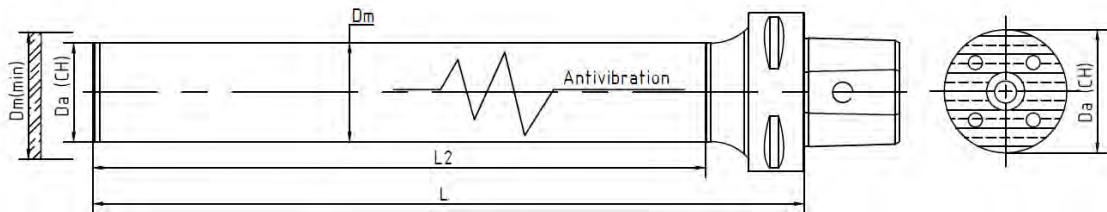
MNR	Size	Text	Dm	Da (CH)	L	L2	Dm _(min)	f		IK/IC
W118206	PSC50	36.C550L223X40L-SG	50	40	223	223	20	5	L	☒
W118212	PSC50	36.C550L223X40R-SG	50	40	223	223	25	5	R	☒
W118213	PSC50	36.C550L368X40L-SG	50	40	368	368	32	5	L	☒
W118214	PSC50	36.C550L368X40R-SG	50	40	368	368	50	5	R	☒
W118215	PSC50	36.C550L468X40L-SG	50	40	468	468	50	5	L	☒
W118216	PSC50	36.C550L468X40R-SG	50	40	468	468	50	5	R	☒

Bohrstangen - schwingungsgedämpft

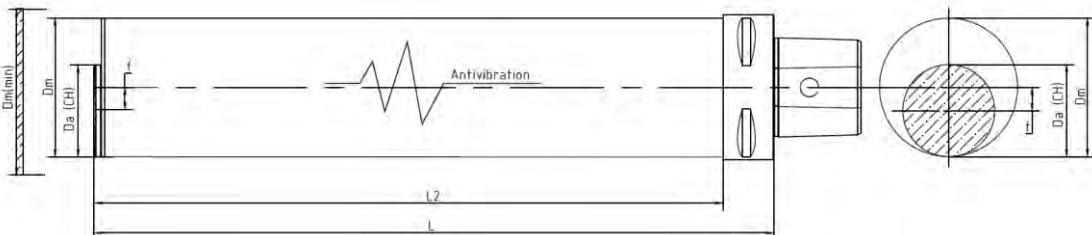


Boring Bars - damped
Barres d'alésage - anti-vibration
Barras para mandrinar - antivibratorias

ISO26623-1 PSC 63



MNR	Size	Text	Dm	Da (CH)	L	L2	Dm (min)	IK/IC
W118217	PSC63	36.C616L88X16-SG	16	16	88	58	20	☒
W118218	PSC63	36.C620L108X20-SG	20	20	108	78	25	☒
W118219	PSC63	36.C625L132X25-SG	25	25	132	103	32	☒
W118220	PSC63	36.C625L180X25-SG	25	25	180	151	32	☒
W118221	PSC63	36.C625L230X25-SG	25	25	230	197	32	☒
W118222	PSC63	36.C632L159X32-SG	32	32	159	129	40	☒
W118223	PSC63	36.C632L224X32-SG	32	32	224	194	40	☒
W118224	PSC63	36.C632L288X32-SG	32	32	288	257	40	☒
W118225	PSC63	36.C640L198X40-SG	40	40	198	169	50	☒
W118226	PSC63	36.C640L288X40-SG	40	40	288	259	50	☒
W118227	PSC63	36.C640L368X40-SG	40	40	368	338	50	☒



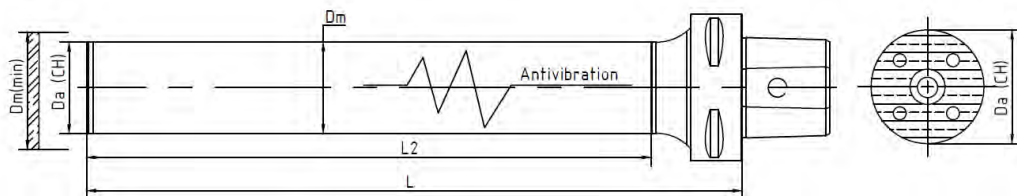
MNR	Size	Text	Dm	Da (CH)	L	L2	Dm (min)	f		IK/IC
W118228	PSC63	36.C650L247X40L-SG	50	40	247	222	60	5	L	☒
W118229	PSC63	36.C650L247X40R-SG	50	40	247	222	60	5	R	☒
W118230	PSC63	36.C650L368X40L-SG	50	40	368	340	60	5	L	☒
W118231	PSC63	36.C650L368X40R-SG	50	40	368	340	60	5	R	☒
W118232	PSC63	36.C650L468X40L-SG	50	40	468	440	60	5	L	☒
W118233	PSC63	36.C650L468X40R-SG	50	40	468	440	60	5	R	☒
W118234	PSC63	36.C660L295X40L-SG	60	40	295	273	72	10	L	☒
W118235	PSC63	36.C660L295X40R-SG	60	40	295	273	72	10	R	☒
W118236	PSC63	36.C660L448X40L-SG	60	40	448	420	72	10	L	☒
W118237	PSC63	36.C660L448X40R-SG	60	40	448	420	72	10	R	☒
W118238	PSC63	36.C660L568X40L-SG	60	40	568	545	72	10	L	☒
W118239	PSC63	36.C660L568X40R-SG	60	40	568	545	72	10	R	☒

Bohrstangen - schwingungsgedämpft

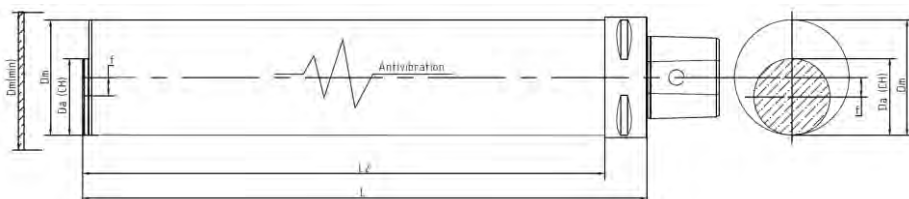
Boring Bars - damped
 Barres d'alésage - anti-vibration
 Barras para mandrinar - antivibratorias



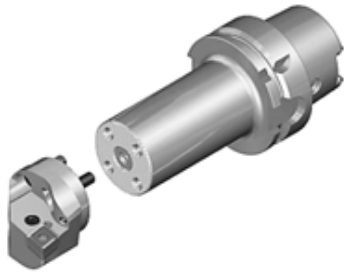
ISO26623-1 PSC80



MNR	Size	Text	Dm	Da (CH)	L	L2	Dm (min)		IK/IC
W118248	PSC80	36.C825L147X25-SG	25	25	147	107	32		☒
W118249	PSC80	36.C832L172X32-SG	32	32	172	133	40		☒
W118250	PSC80	36.C832L224X32-SG	32	32	224	185	40		☒
W118251	PSC80	36.C840L224X40-SG	40	40	224	186	50		☒
W118252	PSC80	36.C840L288X40-SG	40	40	288	250	50		☒
W118253	PSC80	36.C840L368X40-SG	40	40	368	330	50		☒



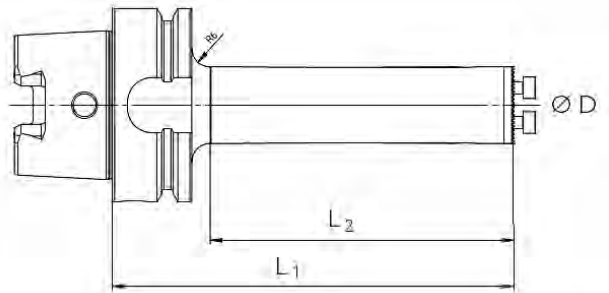
MNR	Size	Text	Dm	Da (CH)	L	L2	Dm (min)	f		IK/IC
W118254	PSC80	36.C850L297X40L-SG	50	40	297	261	60	5	L	☒
W118255	PSC80	36.C850L297X40R-SG	50	40	297	261	60	5	R	☒
W118256	PSC80	36.C850L368X40L-SG	50	40	368	330	60	5	L	☒
W118257	PSC80	36.C850L368X40R-SG	50	40	368	330	60	5	R	☒
W118258	PSC80	36.C850L468X40L-SG	50	40	468	434	60	5	L	☒
W118259	PSC80	36.C850L468X40R-SG	50	40	468	434	60	5	R	☒
W118055	PSC80	36.C860L355X40L-SG	60	40	355	317	72	10	L	☒
W139213	PSC80	36.C860L355X40R-SG	60	40	355	317	72	10	R	☒
W118260	PSC80	36.C860L448X40L-SG	60	40	448	410	72	10	L	☒
W118261	PSC80	36.C860L448X40R-SG	60	40	448	410	72	10	R	☒
W118262	PSC80	36.C860L568X40L-SG	60	40	568	531	72	10	L	☒
W118263	PSC80	36.C860L568X40R-SG	60	40	568	531	72	10	R	☒
W118264	PSC80	36.C880L475X40L-SG	80	40	475	475	92	20	L	☒
W118265	PSC80	36.C880L475X40R-SG	80	40	475	475	92	20	R	☒
W118266	PSC80	36.C880L608X40L-SG	80	40	608	608	92	20	L	☒
W118267	PSC80	36.C880L608X40R-SG	80	40	608	608	92	20	R	☒
W118268	PSC80	36.C880L768X40L-SG	80	40	768	768	92	20	L	☒
W119180	PSC80	36.C880L768X40R-SG	80	40	768	768	92	20	R	☒



Bohrstangenschäfte für Wechselschneidköpfe

Boring Bars for exchangeable cutting heads
Barres d'alésage pour têtes de coupe interchangeables
Barras de mandrinar para cabezales de corte intercambiables

ISO12164-3 HSK-T



MNR	Size	Text	Da (CH)	L	L2	Ø D	IK/IC
W229265	HSK40AT	36.HSK40AT25L55X25	25	55	35	25	☒
W229230	HSK40AT	36.HSK40AT25L75X25	25	75	55	25	☒
W229231	HSK40AT	36.HSK40AT32L80X32	32	80	60	32	☒
W229232	HSK40AT	36.HSK40AT40L80X40	40	80	-	40	☒

MNR	Size	Text	Da (CH)	L	L2	Ø D	IK/IC
W229264	HSK63AT	36.HSK63AT16L56X16	16	56	36	16	☒
W229263	HSK63AT	36.HSK63AT20L80X20	20	80	60	20	☒
W226545	HSK63AT	36.HSK63AT25L70X25	25	70	44	25	☒
W226546	HSK63AT	36.HSK63AT32L90X32	32	90	64	32	☒
W226547	HSK63AT	36.HSK63AT32L125X32	32	125	99	32	☒
W226548	HSK63AT	36.HSK63AT40L100X40	40	100	74	40	☒
W226549	HSK63AT	36.HSK63AT40L140X40	40	140	114	40	☒

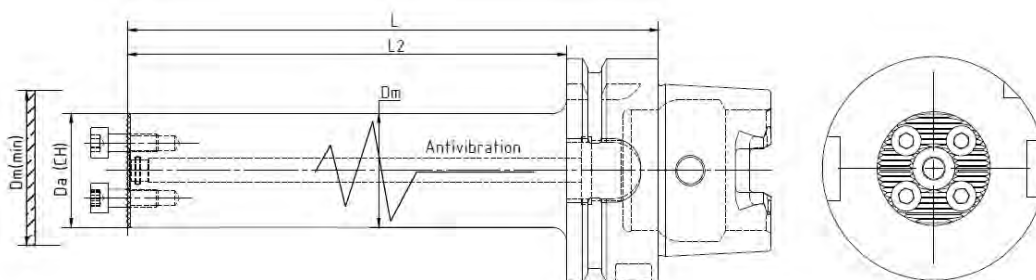
MNR	Size	Text	Da (CH)	L	L2	Ø D	IK/IC
W229235	HSK100AT	36.HSK100AT32L125X32	32	125	95	32	☒
W229236	HSK100AT	36.HSK100AT40L70X40	40	70	41	40	☒
W229237	HSK100AT	36.HSK100AT40L140X40	40	140	111	40	☒

Bohrstangen - schwingungsgedämpft

Boring Bars - dampened
 Barres d'alésage - anti-vibration
 Barras para mandrinar - antivibratorias



ISO12164-3 HSK-T



MNR	Size	Text	Dm	Da (CH)	L	L2	Dm (min)	System	IK/IC
W119551	HSK63AT	36.HSK63AT16L90X16-SG	16	16	90	64	20		☒
W119552	HSK63AT	36.HSK63AT20L106X20-SG	20	20	106	80	25		☒
W116984	HSK63AT	36.HSK63AT25L115X25-SG	25	25	115	89	32	HM (*)	☒
W119549	HSK63AT	36.HSK63AT25L126X25-SG	25	25	126	100	32		
W119550	HSK63AT	36.HSK63AT25L151X25-SG	25	25	151	125	32		
W119553	HSK63AT	36.HSK63AT32L154X32-SG	32	32	154	128	40		
W116991	HSK63AT	36.HSK63AT32L150X32-SG	32	32	150	124	40	HM	
W119554	HSK63AT	36.HSK63AT32L186X32-SG	32	32	186	160	40		
W228739	HSK63AT	36.HSK63AT40L185X40-SG	40	40	185	159	50	HM	☒
W119555	HSK63AT	36.HSK63AT40L186X40-SG	40	40	186	160	50		☒
W119569	HSK63AT	36.HSK63AT40L226X40-SG	40	40	226	200	50		☒

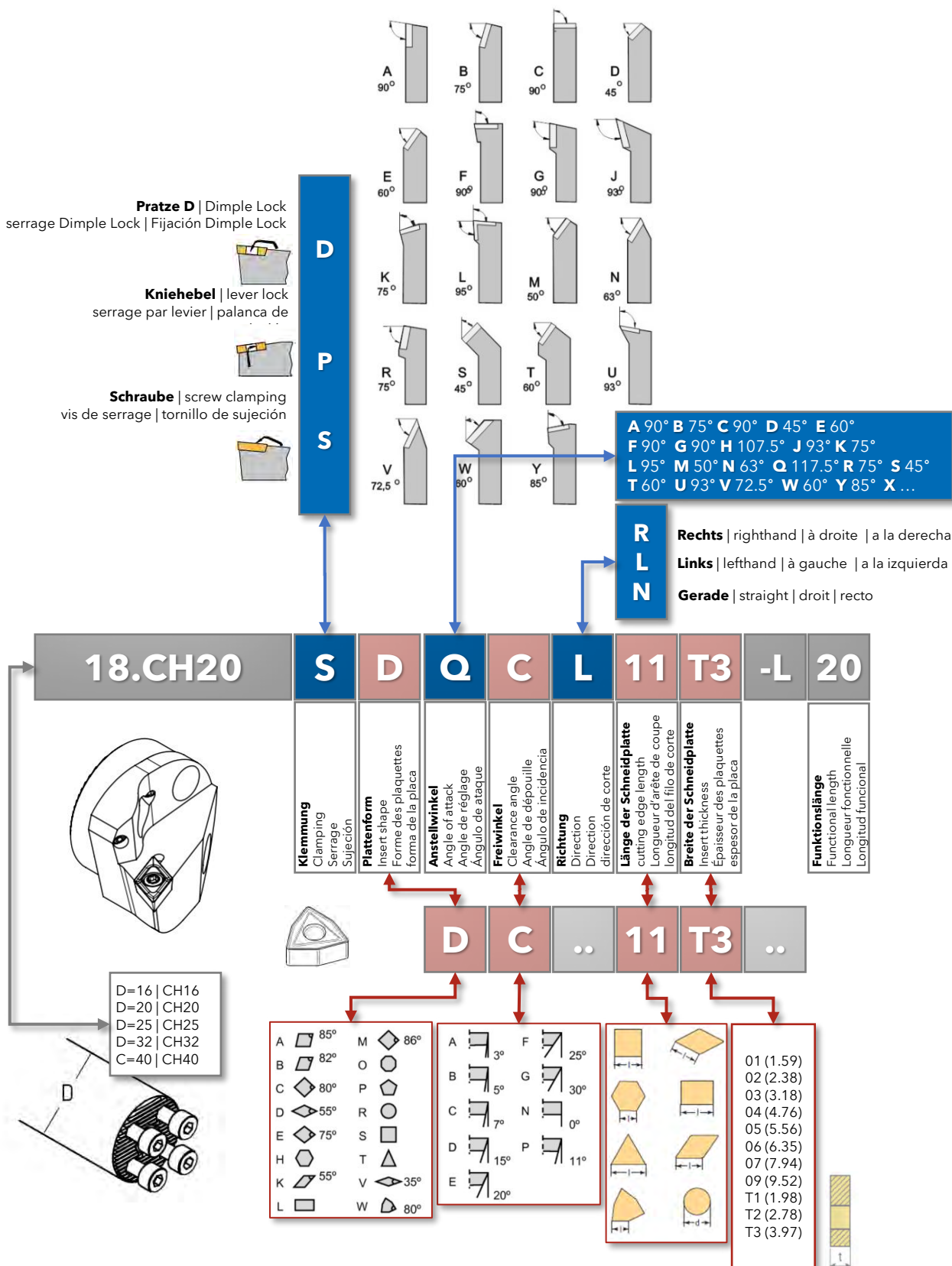
HM: Hartmetall Kern, carbide core, Noyau en métal dur, núcleo de carburo
 (*) konisch, conical, cónico, conique

ISO-Bezeichnung (CH)

ISO designation (CH)

Désignation ISO (CH)

Designación ISO (CH)

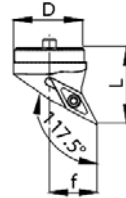


Wechselschneidköpfe für Wendeplatten mit positiver Grundform

Exchangeable cutting heads for positive inserts

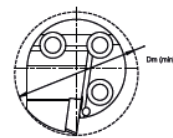
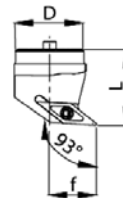
Têtes de coupe interchangeable pour les plaquettes positives

Cabezales modulares para plaquitas positivas



SVPB | VB 35° | 117.5°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W116543	18.CH25SVPBL1103-L35	25	32	35	5° pos.	17	35°	VB.. 11 03 ..	L
W116544	18.CH25SVPBR1103-L35	25	32	35	5° pos.	17	35°	VB.. 11 03 ..	R
W116546	18.CH32SVPBL1604-L35	32	40	35	5° pos.	22	35°	VB.. 16 04 ..	L
W116545	18.CH32SVPBR1604-L35	32	40	35	5° pos.	22	35°	VB.. 16 04 ..	R
W116547	18.CH40SVPBL1604-L40	40	50	40	5° pos.	27	35°	VB.. 16 04 ..	L
W116548	18.CH40SVPBR1604-L40	40	50	40	5° pos.	27	35°	VB.. 16 04 ..	R

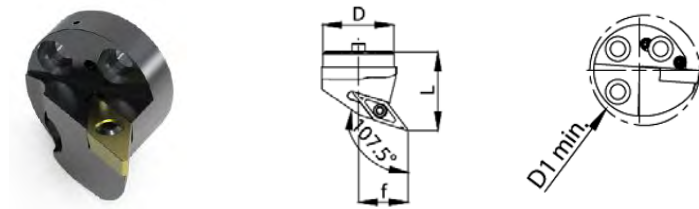


SVUB | VB 35° | 93°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W118686	18.CH20SVUBL1103-L20	20	27	20	5° pos.	16	35°	VB.. 11 03 ..	L
W118687	18.CH20SVUBR1103-L20	20	27	20	5° pos.	16	35°	VB.. 11 03 ..	R
W118688	18.CH25SVUBL1103-L25	25	31	25	5° pos.	17	35°	VB.. 11 03 ..	L
W118689	18.CH25SVUBR1103-L25	25	31	25	5° pos.	17	35°	VB.. 11 03 ..	R
W116549	18.CH25SVUBL1103-L35	25	32	35	5° pos.	17	35°	VB.. 11 03 ..	L
W116550	18.CH25SVUBR1103-L35	25	32	35	5° pos.	17	35°	VB.. 11 03 ..	R
W116551	18.CH32SVUBL1604-L35	32	40	35	5° pos.	22	35°	VB.. 16 04 ..	L
W116562	18.CH32SVUBR1604-L35	32	40	35	5° pos.	22	35°	VB.. 16 04 ..	R
W118690	18.CH40SVUBL1604-L32	40	50	32	5° pos.	27	35°	VB.. 16 04 ..	L
W116577	18.CH40SVUBR1604-L32	40	50	32	5° pos.	27	35°	VB.. 16 04 ..	R
W118691	18.CH40SVUBL1604-L40	40	50	40	5° pos.	27	35°	VB.. 16 04 ..	L
W116578	18.CH40SVUBR1604-L40	40	50	40	5° pos.	27	35°	VB.. 16 04 ..	R

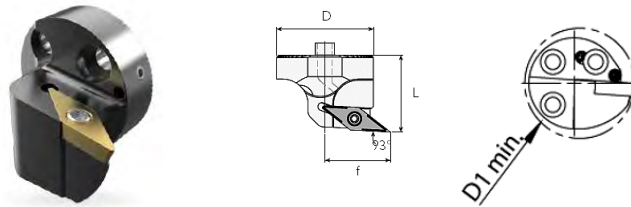
Wechselschneidköpfe für Wendepplatten mit positiver Grundform

Exchangeable cutting heads for positive inserts
Têtes de coupe interchangeables pour les plaquettes positives
Cabezales modulares para plaquitas positivas



SVQB | VB 35 ° | 107.5°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W118831	18.CH20SVQBL1103-L20	20	27	20	5° pos.	15	35°	VB.. 11 03 ..	L
W118830	18.CH20SVQBR1103-L20	20	27	20	5° pos	17	35°	VB.. 11 03 ..	R
W116552	18.CH25SVQBL1103-L35	25	32	35	5° pos.	17	35°	VB.. 11 03 ..	L
W228010	18.CH25SVQBR1103-L35	25	32	35	5° pos	17	35°	VB.. 11 03 ..	R
W116564	18.CH32SVQBL1604-L35	32	40	35	5° pos	22	35°	VB.. 16 04 ..	L
W116563	18.CH32SVQBR1604-L35	32	40	35	5° pos	22	35°	VB.. 16 04 ..	R
W116580	18.CH40SVQBL1604-L40	40	50	40	5° pos	27	35°	VB.. 16 04 ..	L
W116579	18.CH40SVQBR1604-L40	40	50	40	5° pos	27	35°	VB.. 16 04 ..	R



SVUC | VC 35° | 93°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W118834	18.CH20SVUCL1103-L20	20	27	20	7° pos.	16	35°	VC.. 11 03 ..	L
W118833	18.CH20SVUCR1103-L20	20	27	20	7° pos.	16	35°	VC.. 11 03 ..	R
W118835	18.CH25SVUCL1103-L35	25	32	35	7° pos.	17	35°	VC.. 11 03 ..	L
W118836	18.CH25SVUCR1103-L35	25	32	35	7° pos.	17	35°	VC.. 11 03 ..	R
W118838	18.CH32SVUCL1604-L35	32	40	35	7° pos.	22	35°	VC.. 16 04 ..	L
W118837	18.CH32SVUCR1604-L35	32	40	35	7° pos.	22	35°	VC.. 16 04 ..	R
W118839	18.CH40SVUCL1604-L40	40	50	40	7° pos.	27	35°	VC.. 16 04 ..	L
W118840	18.CH40SVUCR1604-L40	40	50	40	7° pos.	27	35°	VC.. 16 04 ..	R

Wechselschneidköpfe für Wendepplatten mit positiver Grundform

Exchangeable cutting heads for positive inserts

Têtes de coupe interchangeables pour les plaquettes positives

Cabezales modulares para plaquitas positivas



SDXC | DC 55 ° | 93°

MNR	Text	D	D1 min	L	L2		f	Insert	Insert	
W118693	18.CH16SDXCL0702-L26.5	16	22	26.5	15	7° pos.	13	55°	DC.. 07 02 ..	L
W118694	18.CH16SDXCR0702-L26.5	16	22	26.5	15	7° pos.	13	55°	DC.. 07 02 ..	R
W118695	18.CH20SDXCL0702-L26.5	20	27	26.5	15	7° pos.	15	55°	DC.. 07 02 ..	L
W118696	18.CH20SDXCR0702-L26.5	20	27	26.5	15	7° pos.	15	55°	DC.. 07 02 ..	R
W118699	18.CH25SDXCL11T3-L26.5	25	33	26.5	20	7° pos.	18	55°	DC.. 11 T3 ..	L
W118700	18.CH25SDXCR11T3-L26.5	25	33	26.5	20	7° pos.	18	55°	DC.. 11 T3 ..	R
W118580	18.CH32SDXCL11T3-L38	32	40	38	20	7° pos.	22	55°	DC.. 11 T3 ..	L
W118579	18.CH32SDXCR11T3-L38	32	40	38	20	7° pos.	22	55°	DC.. 11 T3 ..	R
W118582	18.CH40SDXCL11T3-L38	40	50	38	20	7° pos.	27	55°	DC.. 11 T3 ..	L
W118581	18.CH40SDXCR11T3-L38	40	50	38	20	7° pos.	27	55°	DC.. 11 T3 ..	R

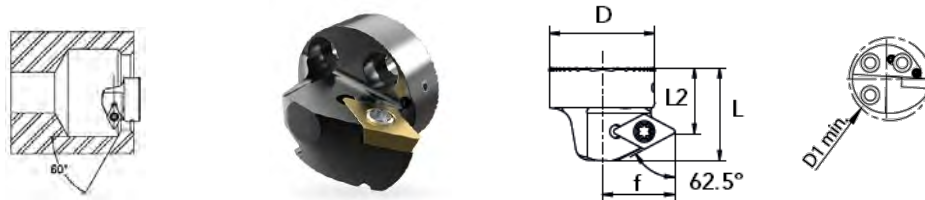


SDUC | DC 55 ° | 93°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W118511	18.CH16SDUCL0702-L20	16	20	20	7° pos.	11	55°	DC.. 07 02 ..	L
W118510	18.CH16SDUCR0702-L20	16	20	20	7° pos.	11	55°	DC.. 07 02 ..	R
W118842	18.CH20SDUCL0702-L20	20	25	20	7° pos.	13	55°	DC.. 07 02 ..	L
W118843	18.CH20SDUCR0702-L20	20	25	20	7° pos.	13	55°	DC.. 07 02 ..	R
W116553	18.CH25SDUCL11T3-L20	25	32	20	7° pos.	17	55°	DC.. 11 T3 ..	L
W116554	18.CH25SDUCR11T3-L20	25	32	20	7° pos.	17	55°	DC.. 11 T3 ..	R
W116565	18.CH32SDUCL11T3-L20	32	40	20	7° pos.	22	55°	DC.. 11 T3 ..	L
W116566	18.CH32SDUCR11T3-L20	32	40	20	7° pos.	22	55°	DC.. 11 T3 ..	R
W116581	18.CH40SDUCL11T3-L40	40	50	40	7° pos.	27	55°	DC.. 11 T3 ..	L
W116582	18.CH40SDUCR11T3-L40	40	50	40	7° pos.	27	55°	DC.. 11 T3 ..	R

Wechselschneidköpfe für Wendepplatten mit positiver Grundform

Exchangeable cutting heads for positive inserts
Têtes de coupe interchangeables pour les plaquettes positives
Cabezales modulares para plaquetas positivas



SDNC | DC 55° | 62.5°

MNR	Text	D	D1 min	L	L2		f	Insert	Insert	
W118856	18.CH16SDNCL0702-L19.5	16	22	19.5	15	7° pos.	13	55°	DC.. 07 02 ..	L
W118857	18.CH16SDNCR0702-L19.5	16	22	19.5	15	7° pos.	13	55°	DC.. 07 02 ..	R
W118859	18.CH20SDNCL0702-L19.5	20	27	19.5	15	7° pos.	15	55°	DC.. 07 02 ..	L
W118858	18.CH20SDNCR0702-L19.5	20	27	19.5	15	7° pos.	15	55°	DC.. 07 02 ..	R
W118863	18.CH25SDNCL11T3-L19.5	25	33	19.5	15	7° pos.	18	55°	DC.. 11 T3 ..	L
W118862	18.CH25SDNCR11T3-L19.5	25	33	19.5	15	7° pos.	18	55°	DC.. 11 T3 ..	R
W118864	18.CH32SDNCL11T3-L28	32	40	28	20	7° pos.	22	55°	DC.. 11 T3 ..	L
W118865	18.CH32SDNCR11T3-L28	32	40	28	20	7° pos.	22	55°	DC.. 11 T3 ..	R
W118867	18.CH40SDNCL11T3-L28	40	50	28	20	7° pos.	27	55°	DC.. 11 T3 ..	L
W118866	18.CH40SDNCR11T3-L28	40	50	28	20	7° pos.	27	55°	DC.. 11 T3 ..	R

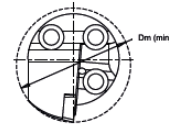
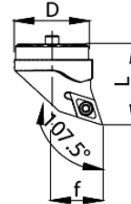


STFC | TC ▼ | 89°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W118844	18.CH16STFCL1102-L20	16	20	20	7° pos.	11	60°	TC.. 11 02 ..	L
W118845	18.CH16STFCR1102-L20	16	20	20	7° pos.	11	60°	TC.. 11 02 ..	R
W118847	18.CH20STFCL1102-L20	20	25	20	7° pos.	13	60°	TC.. 11 02 ..	L
W118846	18.CH20STFCR1102-L20	20	25	20	7° pos.	13	60°	TC.. 11 02 ..	R
W118848	18.CH25STFCL1102-L20	25	32	20	7° pos.	17	60°	TC.. 11 02 ..	L
W118849	18.CH25STFCR1102-L20	25	32	20	7° pos.	17	60°	TC.. 11 02 ..	R
W118851	18.CH25STFCL16T3-L24	25	32	24	7° pos.	17	60°	TC.. 16 T3 ..	L
W118850	18.CH25STFCR16T3-L24	25	32	24	7° pos.	17	60°	TC.. 16 T3 ..	R
W118852	18.CH32STFCL16T3-L32	32	40	32	7° pos.	22	60°	TC.. 16 T3 ..	L
W118853	18.CH32STFCR16T3-L32	32	40	32	7° pos.	22	60°	TC.. 16 T3 ..	R
W118855	18.CH40STFCL16T3-L32	40	50	32	7° pos.	27	60°	TC.. 16 T3 ..	L
W118854	18.CH40STFCR16T3-L32	40	50	32	7° pos.	27	60°	TC.. 16 T3 ..	R

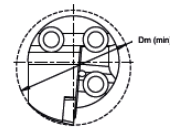
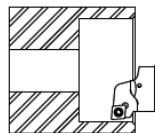
Wechselschneidköpfe für Wendepplatten mit positiver Grundform

Exchangeable cutting heads for positive inserts
Têtes de coupe interchangeables pour les plaquettes positives
Cabezales modulares para plaquitas positivas



SDQC | DC 55 ° | 107.5°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W229030	18.CH20SDQCL11T3-L20	20	25	20	7° pos.	11	55°	DC.. 11 T3 ..	L
W229029	18.CH20SDQCR11T3-L20	20	25	20	7° pos.	11	55°	DC.. 11 T3 ..	R
W116555	18.CH25SDQCL11T3-L35	25	32	35	7° pos.	17	55°	DC.. 11 T3 ..	L
W116556	18.CH25SDQCR11T3-L35	25	32	35	7° pos.	17	55°	DC.. 11 T3 ..	R
W116568	18.CH32SDQCL11T3-L35	32	40	35	7° pos.	22	55°	DC.. 11 T3 ..	L
W116567	18.CH32SDQCR11T3-L35	32	40	35	7° pos.	22	55°	DC.. 11 T3 ..	R
W116584	18.CH40SDQCL11T3-L40	40	50	40	7° pos.	27	55°	DC.. 11 T3 ..	L
W116583	18.CH40SDQCR11T3-L40	40	50	40	7° pos.	27	55°	DC.. 11 T3 ..	R

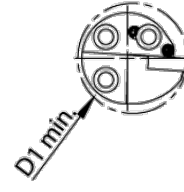


SCLC | CC 80 ° | 95°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W118823	18.CH16SCLCL0602-L20	16	20	20	7° pos.	11	80°	CC.. 06 02 ..	L
W117704	18.CH16SCLCR0602-L20	16	20	20	7° pos.	11	80°	CC.. 06 02 ..	R
W118824	18.CH20SCLCL09T3-L20	20	25	20	7° pos.	13	80°	CC.. 09 T3 ..	L
W118825	18.CH20SCLCR09T3-L20	20	25	20	7° pos.	13	80°	CC.. 09 T3 ..	R
W118826	18.CH25SCLCL09T3-L35	25	32	35	7° pos.	17	80°	CC.. 09 T3 ..	L
W118827	18.CH25SCLCR09T3-L35	25	32	35	7° pos.	17	80°	CC.. 09 T3 ..	R
W116557	18.CH25SCLCL1204-L35	25	32	35	7° pos.	27	80°	CC.. 12 04 ..	L
W116558	18.CH25SCLCR1204-L35	25	32	35	7° pos.	27	80°	CC.. 12 04 ..	R
W118828	18.CH32SCLCL09T3-L32	32	40	32	7° pos.	22	80°	CC.. 09 T3 ..	L
W118829	18.CH32SCLCR09T3-L32	32	40	32	7° pos.	22	80°	CC.. 09 T3 ..	R
W116569	18.CH32SCLCL1204-L35	32	40	35	7° pos.	22	80°	CC.. 12 04 ..	L
W116570	18.CH32SCLCR1204-L35	32	40	35	7° pos.	22	80°	CC.. 12 04 ..	R
W116585	18.CH40SCLCL1204-L40	40	50	40	7° pos.	27	80°	CC.. 12 04 ..	L
W116586	18.CH40SCLCR1204-L40	40	50	40	7° pos.	27	80°	CC.. 12 04 ..	R

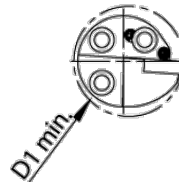
Wechselschneidköpfe für Wendeplatten mit negativer Grundform

Exchangeable cutting heads for negative inserts
Têtes de coupe interchangeable pour les plaquettes négatives
Cabezales modulares para plaquitas negativas



PDQN | DN 55 ° | 107.5°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W117551	18.CH25PDQNL1104-L35	25	32	35	0° neg.	17	55°	DN.. 11 04 ..	L
W117552	18.CH25PDQNR1104-L35	25	32	35	0° neg.	17	55°	DN.. 11 04 ..	R
W117555	18.CH32PDQNL1104-L35	32	40	35	0° neg.	22	55°	DN.. 11 04 ..	L
W117556	18.CH32PDQNR1104-L35	32	40	35	0° neg.	22	55°	DN.. 11 04 ..	R
W117559	18.CH40PDQNL1104-L40	40	50	40	0° neg.	27	55°	DN.. 11 04 ..	L
W117778	18.CH40PDQNR1104-L40	40	50	40	0° neg.	27	55°	DN.. 11 04 ..	R



PWLN | WN 80 ° | 95°

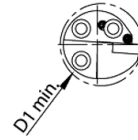
MNR	Text	D	D1 min	L		f	Insert	Insert	
W116576	18.CH32PWLNL0804-L35	32	40	35	7° pos.	22	80°	WN.. 08 04 ..	L
W116575	18.CH32PWLNR0804-L35	32	40	35	7° pos.	22	80°	WN.. 08 04 ..	R
W116592	18.CH40PWLNL0804-L40	40	50	40	7° pos.	27	80°	WN.. 08 04 ..	L
W116591	18.CH40PWLNR0804-L40	40	50	40	7° pos.	27	80°	WN.. 08 04 ..	R

Wechselschneidköpfe für Wendepplatten mit negativer Grundform

Exchangeable cutting heads for negative inserts

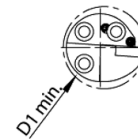
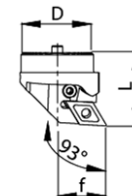
Têtes de coupe interchangeables pour les plaquettes négatives

Cabezales modulares para plaquitas negativas



PCLN | CN 80 ° | 95°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W116560	18.CH25PCLNL1204-L35	25	32	35	0° neg.	17	80°	CN.. 12 04..	L
W116559	18.CH25PCLNR1204-L35	25	32	35	0° neg.	17	80°	CN.. 12 04..	R
W116572	18.CH32PCLNL1204-L35	32	40	35	0° neg.	22	80°	CN.. 12 04..	L
W116571	18.CH32PCLNR1204-L35	32	40	35	0° neg.	22	80°	CN.. 12 04..	R
W116588	18.CH40PCLNL1204-L40	40	50	40	0° neg.	27	80°	CN.. 12 04..	L
W116587	18.CH40PCLNR1204-L40	40	50	40	0° neg.	27	80°	CN.. 12 04..	R

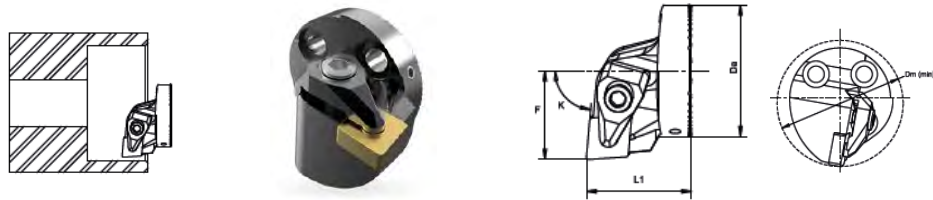


PDUN | DN 55 ° | 93°

MNR	Text	D	D1 min	L		f	Insert	Insert	
W117549	18.CH25PDUNL1104-L35	25	32	35	0° neg.	17	55°	DN.. 11 04 ..	L
W117550	18.CH25PDUNR1104-L35	25	32	35	0° neg.	17	55°	DN.. 11 04 ..	R
W117554	18.CH32PDUNL1104-L35	32	40	35	0° neg.	22	55°	DN.. 11 04 ..	L
W117553	18.CH32PDUNR1104-L35	32	40	35	0° neg.	22	55°	DN.. 11 04 ..	R
W116573	18.CH32PDUNL1506-L35	32	40	35	0° neg.	22	55°	DN.. 15 06 ..	L
W116574	18.CH32PDUNR1506-L35	32	40	35	0° neg.	22	55°	DN.. 15 06 ..	R
W117557	18.CH40PDUNL1104-L40	40	50	40	0° neg.	27	55°	DN.. 11 04 ..	L
W117558	18.CH40PDUNR1104-L40	40	50	40	0° neg.	27	55°	DN.. 11 04 ..	R
W116589	18.CH40PDUNL1506-L40	40	50	40	0° neg.	27	55°	DN.. 15 06 ..	L
W116590	18.CH40PDUNR1506-L40	40	50	40	0° neg.	27	55°	DN.. 15 06 ..	R

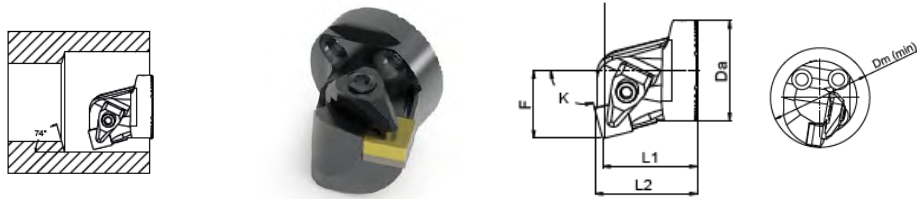
Wechselschneidköpfe für Wendepplatten mit negativer Grundform

Exchangeable cutting heads for negative inserts
Têtes de coupe interchangeables pour les plaquettes négatives
Cabezales modulares para plaquitas negativas



DCLN | CN 80° | K 85° | 75°

MNR	Text	D	D1 min	L1		f	Insert	Insert	
W118868	18.CH32DCLNL1204-L38	32	40	38	0° neg.	22	80°	CN.. 12 04..	L
W118869	18.CH32DCLNR1204-L38	32	40	38	0° neg.	22	80°	CN.. 12 04..	R
W118871	18.CH40DCLNL1204-L40	40	50	38	0° neg.	27	80°	CN.. 12 04..	L
W118870	18.CH40DCLNR1204-L40	40	50	38	0° neg.	27	80°	CN.. 12 04..	R



DSKN | SN Square | K 105° | 75°

MNR	Text	D	D1 min	L1	L2		f	Insert	Insert	
W118872	18.CH40DSKNL1204-L38	40	50	38	41	0° neg.	27	■	SN.. 12 04..	L
W118873	18.CH40DSKNR1204-L38	40	50	38	41	0° neg.	27	■	SN.. 12 04..	R



DDUN | DN 55° | K 105° | 75°

MNR	Text	D	D1 min	L1			f	Insert	Insert	
W118874	18.CH40DDUNL1506-L32	40	50	38		0° neg.	27	55°	DN.. 15 06 ..	L
W118875	18.CH40DDUNR1506-L32	40	50	38		0° neg.	27	55°	DN.. 15 06 ..	R

Wechselschneidköpfe für Bohrstangen (Typ CH80)

Cutting heads for bars (Type CH80)

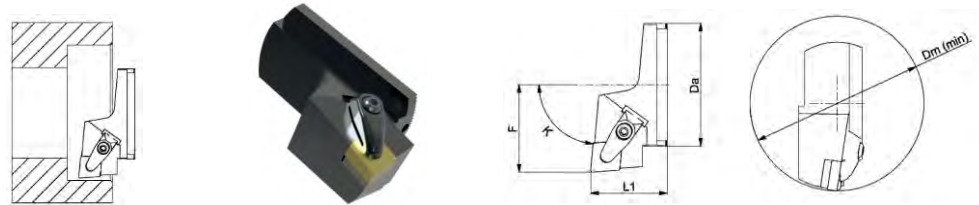
Têtes de coupe pour barres (Type CH80)

Cabezas de corte para barras (Tipo CH80)



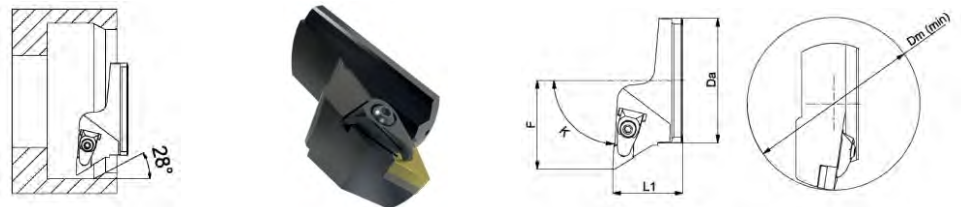
DCKN | CN 80 ° | K = 105° | 95°

MNR	Text	D	L1	L2		f	Insert	Insert	
250250	18.CH80DCKNR1906-L52	80	47	52	0° neg.	50	80°	CN.. 19 06..	R



DCLN | CN 80 ° | K = 85° | 95°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229251	18.CH80DCLNR1906-L37.5	80	50	37,5	0° neg.	58	80°	CN.. 19 06..	R



DDUN | DN 55 ° | K = 87° | 93°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229252	18.CH80DDUNR1506-L37.5	80	45	37,5	0° neg.	57	55°	DN.. 15 06..	R

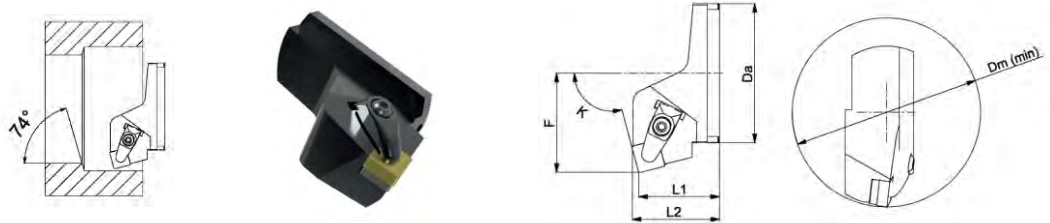


DDXN | DN 55 ° | K = 93° | 87°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229253	18.CH80DDXNR1506-L45	80	20	45	0° neg.	57	80°	DN.. 15 06..	R

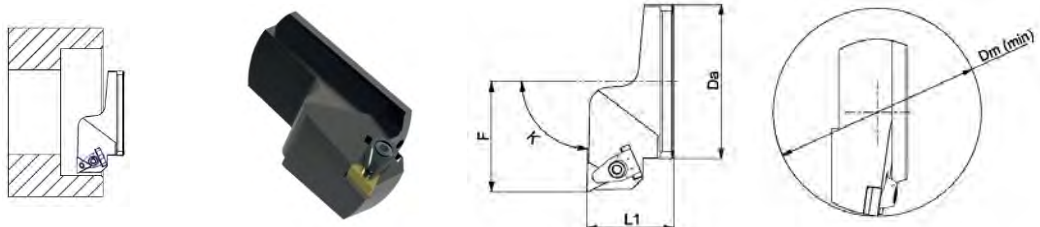
Schneidköpfe für Bohrstangen (CH80)

Cutting heads for bars (CH80)
Têtes de coupe pour barres (CH80)
Cabezas de corte para barras (CH80)



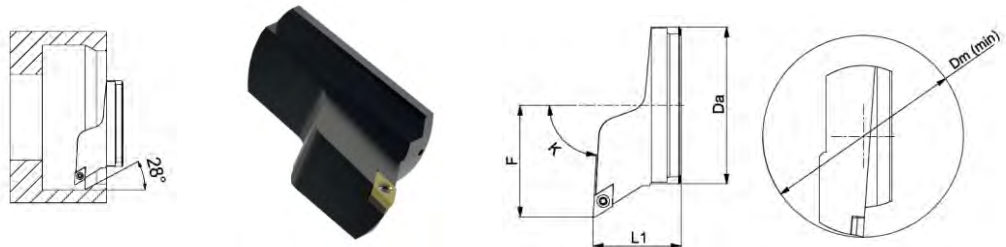
DSKN | SN square | K = 105° | 75°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229254	18.CH80DSKNR1906-L51	80	47	51	0° neg.	57	80°	CN.. 19 06..	R



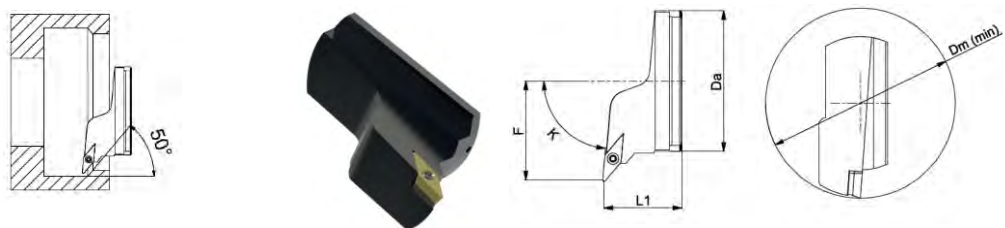
DTFN | TN 60 ° | K = 89° | 91°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229255	18.CH80DTFNR1604-L37.5	80	45	37,5	0° neg.	57	60°	TN.. 16 04..	R



SDUC | DC 55 ° | K 87° | 93°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229256	18.CH80SDUCR11T3-L37.5	80	45	37,5	7° pos.	57	55°	DC.. 11 T3..	R



SVLB | VB 35 ° | K = 85° | 95°

MNR	Text	D	L1	L2		f	Insert	Insert	
W229257	18.CH80SVLBR1604-L37.5	80	45	37,5	5° pos.	57	35°	VB.. 16 04..	R

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