

➤ KenTIP™ FS

Het perfecte samengaan van een vol hardmetaal en indexeerbare boor

De nieuwe modulaire boor KenTIP FS omvat meer toepassingen en functioneert beter dan elk ander modulair systeem, geeft aanmerkelijke kostenbesparing en vereenvoudigt het proces op uw werkvloer.

3-puntgeometrieën, 3 hoog presterende soorten, 3-schacht uitvoeringen.
Dit modulair boorsysteem heeft een bereik van 6-26mm boordiameters.
Tot 12 x D boordieptes.
Toepasbaar in staal, roestvast staal en gietijzer.

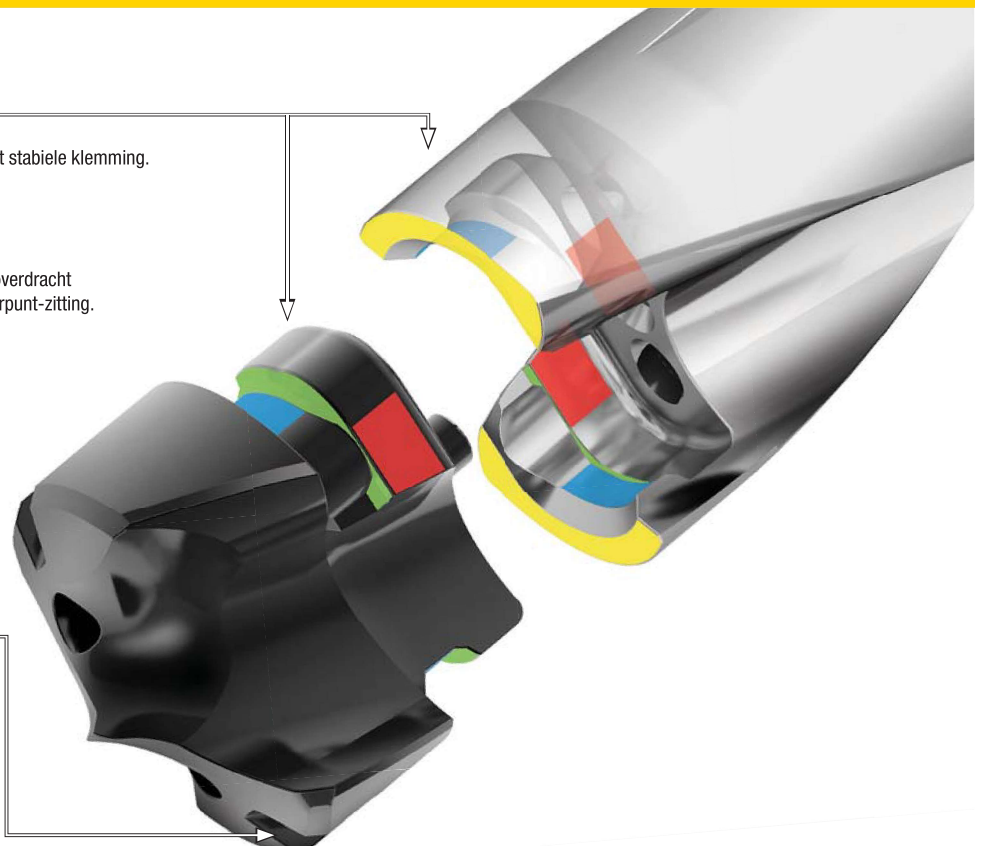
Pientere Verbinding

- Unieke tapse verbinding ontworpen voor de meest stabiele klemming.
- Aanlegvlak voorkomt losraken.
- Groot draag oppervlak voor de hoogst mogelijke overdracht van torsiekrachten zonder vervorming van de boorpunt-zitting.
- Groot axiaal contactvlak

Maximum functionering en lange standtijd, zelfs in onstabiele omstandigheden.

Snel Losnemen

Elke boorgereedschap wordt geleverd met een handige KenTIP sleutel. Wisselen van de boorpunt in de machine is eenvoudig en bespaart leegloop tijd. En dat spaart geld



Hergebruiken in Plaats van Naslijpen/nabewerken

KenTIP™ FS geeft dezelfde stabiele en betrouwbare werking met iedere nieuwe wisselpunt. Breng uw operationele uitgaven omlaag met minder gereedschap inventaris en vereenvoudig processen. Kosten retour bij inleveren van uw gebruikte wisselkoppen aan onze recycle service.

Snelle Afvoer

Ruime, extreem gepolijste spaanafvoer groeven garanderen storingsvrije spaan afvoer, verbeterde standtijden en functionering.

Multi Koeling Aanvoer

Koelvloeistof aanvoer naar de boorpunt en naar de spaan-afvoerruimte voor gegarandeerde bereikbaarheid van de koelvloeistof waar het nodig is.

Unieke Punt Geometrieën

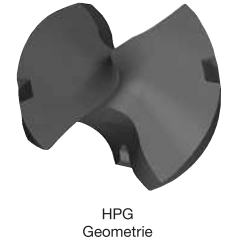
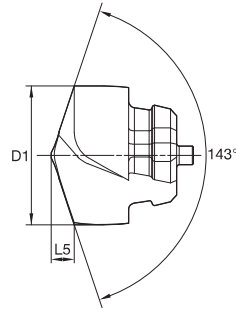
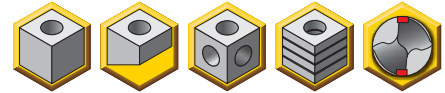
3 materiaal gespecificeerde, zelf centrerende boorpunt ontwerpen maakt uitmuntende gat kwaliteiten mogelijk en een optimaal functionerend gereedschap.

Vol Hardmetalen Kop

KenTIP FS wisselkoppen dekken het gehele voorste deel van de boor. De koppeling is geheel beschermd tegen de spaan-afloop en het contact met het werkstuk materiaal.



- HPG-punt geometrie voor staalsoorten.
- Grote positionering en centrerings mogelijkheden voor boren zonder aancenteren, zelfs met diepe gaten.
- KCP15A™ is een AlTiN PVD enkellaags bekleding.
- Verbeterd thermale stabiliteit.
- Uitstekende balans tussen taaheid en slijtage weerstand.
- Zonder interne koeling.



HPG Geometrie

■ KenTIP FS • HPG KCP15A • Geen Interne Koelvloeistof Toevoer



KCP15A	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFSS06000HPGM	6,000	.2362	1,370	.0539	A
KTFSS06100HPGM	6,100	.2402	1,380	.0543	A
KTFSS06200HPGM	6,200	.2441	1,400	.0551	A
KTFSS06300HPGM	6,300	.2480	1,440	.0567	B
KTFSS06350HPGM	6,350	.2500	1,450	.0571	B
KTFSS06400HPGM *	6,400	.2520	1,450	.0571	B
KTFSS06500HPGM	6,500	.2559	1,470	.0579	B
KTFSS06530HPGM	6,530	.2571	1,480	.0583	B
KTFSS06600HPGM	6,600	.2598	1,490	.0587	C
KTFSS06629HPGM *	6,629	.2610	1,500	.0591	C
KTFSS06700HPGM	6,700	.2638	1,510	.0594	C
KTFSS06746HPGM	6,746	.2656	1,520	.0598	C
KTFSS06800HPGM	6,800	.2677	1,530	.0602	C
KTFSS06900HPGM *	6,900	.2717	1,540	.0606	C
KTFSS06909HPGM	6,909	.2720	1,540	.0606	C
KTFSS07000HPGM	7,000	.2756	1,590	.0626	D
KTFSS07100HPGM *	7,100	.2795	1,610	.0634	D
KTFSS07145HPGM	7,145	.2813	1,610	.0634	D
KTFSS07200HPGM *	7,200	.2835	1,620	.0638	D
KTFSS07366HPGM	7,366	.2900	1,650	.0650	D
KTFSS07400HPGM	7,400	.2913	1,660	.0654	D
KTFSS07500HPGM	7,500	.2953	1,680	.0661	E
KTFSS07541HPGM	7,541	.2969	1,690	.0665	E
KTFSS07600HPGM *	7,600	.2992	1,700	.0669	E
KTFSS07700HPGM *	7,700	.3031	1,710	.0673	E
KTFSS07800HPGM *	7,800	.3071	1,730	.0681	E
KTFSS07900HPGM *	7,900	.3110	1,750	.0689	E
KTFSS07938HPGM	7,938	.3125	1,750	.0689	E
KTFSS08000HPGM	8,000	.3150	1,800	.0709	F
KTFSS08100HPGM	8,100	.3189	1,820	.0717	F
KTFSS08164HPGM	8,164	.3214	1,830	.0720	F
KTFSS08204HPGM	8,204	.3230	1,840	.0724	F
KTFSS08300HPGM	8,300	.3268	1,850	.0728	F
KTFSS08334HPGM	8,334	.3281	1,860	.0732	F
KTFSS08400HPGM	8,400	.3307	1,870	.0736	F
KTFSS08433HPGM	8,433	.3320	1,870	.0736	F
KTFSS08500HPGM	8,500	.3346	1,890	.0744	G
KTFSS08600HPGM	8,600	.3386	1,910	.0752	G
KTFSS08611HPGM *	8,611	.3390	1,910	.0752	G
KTFSS08700HPGM	8,700	.3425	1,920	.0756	G



- eerste keuze
- alternatieve keuze

KCP15A	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFSS08733HPGM	8,732	.3438	1,930	.0760	G
KTFSS08800HPGM	8,800	.3465	1,940	.0764	G
KTFSS08839HPGM *	8,839	.3480	1,950	.0768	G
KTFSS08900HPGM *	8,900	.3504	1,960	.0772	G
KTFSS09000HPGM	9,000	.3543	2,010	.0791	H
KTFSS09093HPGM *	9,093	.3580	2,030	.0799	H
KTFSS09100HPGM	9,100	.3583	2,030	.0799	H
KTFSS09129HPGM *	9,129	.3594	2,030	.0799	H
KTFSS09200HPGM	9,200	.3622	2,040	.0803	H
KTFSS09300HPGM	9,300	.3661	2,060	.0811	H
KTFSS09347HPGM	9,347	.3680	2,070	.0815	H
KTFSS09400HPGM	9,400	.3701	2,080	.0819	H
KTFSS09500HPGM	9,500	.3740	2,100	.0827	I
KTFSS09525HPGM	9,525	.3750	2,110	.0831	I
KTFSS09558HPGM	9,558	.3763	2,110	.0831	I
KTFSS09600HPGM	9,600	.3780	2,120	.0835	I
KTFSS09700HPGM	9,700	.3819	2,130	.0839	I
KTFSS09800HPGM	9,800	.3858	2,150	.0846	I
KTFSS09900HPGM	9,900	.3898	2,170	.0854	I
KTFSS09921HPGM	9,921	.3906	2,170	.0854	I
KTFSS10000HPGM	10,000	.3937	2,220	.0874	J
KTFSS10023HPGM *	10,023	.3946	2,220	.0874	J
KTFSS10084HPGM *	10,084	.3970	2,230	.0878	J
KTFSS10100HPGM	10,100	.3976	2,240	.0882	J
KTFSS10200HPGM	10,200	.4016	2,250	.0886	J
KTFSS10262HPGM *	10,262	.4040	2,260	.0890	J
KTFSS10300HPGM	10,300	.4055	2,270	.0894	J
KTFSS10320HPGM	10,320	.4063	2,270	.0894	J
KTFSS10400HPGM	10,400	.4094	2,290	.0902	J
KTFSS10490HPGM	10,490	.4130	2,300	.0906	J
KTFSS10500HPGM	10,500	.4134	2,310	.0909	K
KTFSS10600HPGM	10,600	.4173	2,330	.0917	K
KTFSS10700HPGM	10,700	.4213	2,340	.0921	K
KTFSS10716HPGM	10,716	.4219	2,350	.0925	K
KTFSS10800HPGM	10,800	.4252	2,360	.0929	K
KTFSS10900HPGM	10,900	.4291	2,380	.0937	K
KTFSS11000HPGM	11,000	.4331	2,430	.0957	L
KTFSS11100HPGM	11,100	.4370	2,450	.0965	L
KTFSS11113HPGM	11,112	.4375	2,450	.0965	L
KTFSS11200HPGM	11,200	.4409	2,460	.0969	L

(vervolg)

(KenTIP FS • HPG KCP15A™ • Geen Interne Koelvloeistof Toevoer — vervolg)

KCP15A	D1		L5		Zitting grootte	KCP15A	D1		L5		Zitting grootte
	mm	in	mm	in			mm	in	mm	in	
KTFSS11300HPGM	11,300	.4449	2,480	.0976	L	KTFSS15500HPGM	15,500	.6102	3,340	.1315	T
KTFSS11400HPGM	11,400	.4488	2,500	.0984	L	KTFSS15600HPGM	15,600	.6142	3,360	.1323	T
KTFSS11500HPGM	11,500	.4528	2,520	.0992	M	KTFSS15700HPGM	15,700	.6181	3,380	.1331	T
KTFSS11509HPGM	11,509	.4531	2,520	.0992	M	KTFSS15800HPGM	15,800	.6220	3,390	.1335	T
KTFSS11600HPGM	11,600	.4567	2,540	.1000	M	KTFSS15875HPGM	15,875	.6250	3,410	.1343	T
KTFSS11700HPGM	11,700	.4606	2,550	.1004	M	KTFSS15900HPGM *	15,900	.6260	3,410	.1343	T
KTFSS11800HPGM	11,800	.4646	2,570	.1012	M	KTFSS16000HPGM	16,000	.6299	3,480	.1370	U
KTFSS11900HPGM	11,900	.4685	2,590	.1020	M	KTFSS16027HPGM *	16,027	.6310	3,490	.1374	U
KTFSS11908HPGM	11,908	.4688	2,590	.1020	M	KTFSS16080HPGM *	16,080	.6331	3,490	.1374	U
KTFSS12000HPGM	12,000	.4724	2,640	.1039	N	KTFSS16100HPGM	16,100	.6339	3,500	.1378	U
KTFSS12100HPGM	12,100	.4764	2,650	.1043	N	KTFSS16104HPGM	16,104	.6340	3,500	.1378	U
KTFSS12200HPGM	12,200	.4803	2,670	.1051	N	KTFSS16200HPGM	16,200	.6378	3,510	.1382	U
KTFSS12304HPGM	12,304	.4844	2,690	.1059	N	KTFSS16271HPGM	16,271	.6406	3,530	.1390	U
KTFSS12400HPGM	12,400	.4882	2,700	.1063	N	KTFSS16300HPGM	16,300	.6417	3,530	.1390	U
KTFSS12474HPGM	12,474	.4911	2,720	.1071	N	KTFSS16400HPGM	16,400	.6457	3,550	.1398	U
KTFSS12500HPGM	12,500	.4921	2,730	.1075	O	KTFSS16500HPGM	16,500	.6496	3,570	.1406	U
KTFSS12600HPGM	12,600	.4961	2,740	.1079	O	KTFSS16600HPGM	16,600	.6535	3,580	.1409	U
KTFSS12700HPGM	12,700	.5000	2,760	.1087	O	KTFSS16670HPGM	16,670	.6563	3,590	.1413	U
KTFSS12800HPGM	12,800	.5039	2,780	.1094	O	KTFSS16700HPGM	16,700	.6575	3,600	.1417	U
KTFSS12900HPGM	12,900	.5079	2,790	.1098	O	KTFSS16800HPGM	16,800	.6614	3,620	.1425	U
KTFSS13000HPGM	13,000	.5118	2,850	.1122	P	KTFSS16900HPGM	16,900	.6654	3,630	.1429	U
KTFSS13096HPGM	13,096	.5156	2,860	.1126	P	KTFSS17000HPGM	17,000	.6693	3,660	.1441	V
KTFSS13200HPGM	13,200	.5197	2,880	.1134	P	KTFSS17066HPGM	17,066	.6719	3,670	.1445	V
KTFSS13280HPGM	13,280	.5228	2,890	.1138	P	KTFSS17100HPGM	17,100	.6732	3,670	.1445	V
KTFSS13300HPGM	13,300	.5236	2,900	.1142	P	KTFSS17200HPGM	17,200	.6772	3,690	.1453	V
KTFSS13380HPGM	13,380	.5268	2,910	.1146	P	KTFSS17300HPGM *	17,300	.6811	3,710	.1461	V
KTFSS13400HPGM	13,400	.5276	2,910	.1146	P	KTFSS17400HPGM	17,400	.6850	3,720	.1465	V
KTFSS13492HPGM	13,492	.5312	2,930	.1154	P	KTFSS17463HPGM	17,462	.6875	3,740	.1472	V
KTFSS13500HPGM	13,500	.5315	2,930	.1154	Q	KTFSS17480HPGM	17,480	.6882	3,740	.1472	V
KTFSS13600HPGM	13,600	.5354	2,950	.1161	Q	KTFSS17500HPGM	17,500	.6890	3,740	.1472	V
KTFSS13700HPGM	13,700	.5394	2,970	.1169	Q	KTFSS17600HPGM	17,600	.6929	3,760	.1480	V
KTFSS13800HPGM	13,800	.5433	2,980	.1173	Q	KTFSS17700HPGM	17,700	.6969	3,770	.1484	V
KTFSS13891HPGM	13,891	.5469	3,000	.1181	Q	KTFSS17800HPGM	17,800	.7008	3,790	.1492	V
KTFSS13896HPGM *	13,896	.5471	3,000	.1181	Q	KTFSS17859HPGM	17,859	.7031	3,800	.1496	V
KTFSS13940HPGM	13,940	.5488	3,010	.1185	Q	KTFSS17900HPGM	17,900	.7047	3,810	.1500	V
KTFSS14000HPGM	14,000	.5512	3,050	.1201	R	KTFSS18000HPGM	18,000	.7087	3,890	.1531	W
KTFSS14100HPGM	14,100	.5551	3,070	.1209	R	KTFSS18100HPGM	18,100	.7126	3,910	.1539	W
KTFSS14200HPGM	14,200	.5591	3,090	.1217	R	KTFSS18200HPGM	18,200	.7165	3,930	.1547	W
KTFSS14288HPGM	14,288	.5625	3,100	.1220	R	KTFSS18258HPGM	18,258	.7188	3,940	.1551	W
KTFSS14300HPGM	14,300	.5630	3,100	.1220	R	KTFSS18300HPGM	18,300	.7205	3,940	.1551	W
KTFSS14400HPGM	14,400	.5669	3,120	.1228	R	KTFSS18400HPGM	18,400	.7244	3,960	.1559	W
KTFSS14500HPGM	14,500	.5709	3,140	.1236	S	KTFSS18500HPGM	18,500	.7283	3,980	.1567	W
KTFSS14600HPGM	14,600	.5748	3,160	.1244	S	KTFSS18600HPGM	18,600	.7323	3,990	.1571	W
KTFSS14666HPGM *	14,666	.5774	3,170	.1248	S	KTFSS18654HPGM	18,654	.7344	4,000	.1575	W
KTFSS14684HPGM	14,684	.5781	3,170	.1248	S	KTFSS18700HPGM	18,700	.7362	4,010	.1579	W
KTFSS14700HPGM	14,700	.5787	3,170	.1248	S	KTFSS18800HPGM	18,800	.7402	4,030	.1587	W
KTFSS14800HPGM	14,800	.5827	3,190	.1256	S	KTFSS18900HPGM	18,900	.7441	4,040	.1591	W
KTFSS14900HPGM *	14,900	.5866	3,210	.1264	S	KTFSS19000HPGM	19,000	.7480	4,070	.1602	X
KTFSS15000HPGM	15,000	.5906	3,260	.1283	T	KTFSS19050HPGM	19,050	.7500	4,080	.1606	X
KTFSS15083HPGM	15,082	.5938	3,270	.1287	T	KTFSS19100HPGM	19,100	.7520	4,090	.1610	X
KTFSS15100HPGM	15,100	.5945	3,280	.1291	T	KTFSS19200HPGM	19,200	.7559	4,100	.1614	X
KTFSS15200HPGM	15,200	.5984	3,290	.1295	T	KTFSS19228HPGM	19,228	.7570	4,110	.1618	X
KTFSS15300HPGM	15,300	.6024	3,310	.1303	T	KTFSS19253HPGM *	19,253	.7580	4,110	.1618	X
KTFSS15380HPGM	15,380	.6055	3,320	.1307	T	KTFSS19279HPGM	19,279	.7590	4,120	.1622	X
KTFSS15400HPGM	15,400	.6063	3,330	.1311	T	KTFSS19300HPGM	19,300	.7598	4,120	.1622	X
KTFSS15479HPGM	15,479	.6094	3,340	.1315	T	KTFSS19355HPGM *	19,355	.7620	4,130	.1626	X

(vervolg)

(KenTIP FS • HPG KCP15A™ • Geen Interne Koelvloeistof Toevoer — vervolg)



Modulaire boren



KCP15A	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFSS19400HPGM	19,400	.7638	4,140	.1630	X
KTFSS19446HPGM	19,446	.7656	4,140	.1630	X
KTFSS19460HPGM	19,460	.7661	4,150	.1634	X
KTFSS19500HPGM	19,500	.7677	4,150	.1634	X
KTFSS19600HPGM	19,600	.7717	4,170	.1642	X
KTFSS19700HPGM	19,700	.7756	4,190	.1650	X
KTFSS19800HPGM	19,800	.7795	4,200	.1654	X
KTFSS19845HPGM	19,845	.7813	4,210	.1657	X
KTFSS19900HPGM	19,900	.7835	4,220	.1661	X
KTFSS20000HPGM	20,000	.7874	4,310	.1697	Y
KTFSS20100HPGM	20,100	.7913	4,320	.1701	Y
KTFSS20200HPGM	20,200	.7953	4,340	.1709	Y
KTFSS20241HPGM *	20,241	.7969	4,350	.1713	Y
KTFSS20300HPGM	20,300	.7992	4,360	.1717	Y
KTFSS20500HPGM	20,500	.8071	4,390	.1728	Y
KTFSS20600HPGM	20,600	.8110	4,410	.1736	Y
KTFSS20638HPGM	20,638	.8125	4,410	.1736	Y
KTFSS20700HPGM *	20,700	.8150	4,420	.1740	Y
KTFSS20800HPGM	20,800	.8189	4,440	.1748	Y
KTFSS20900HPGM *	20,900	.8228	4,460	.1756	Y
KTFSS20990HPGM *	20,990	.8264	4,470	.1760	Y
KTFSS21000HPGM	21,000	.8268	4,480	.1764	Z
KTFSS21100HPGM *	21,100	.8307	4,500	.1772	Z
KTFSS21200HPGM	21,200	.8346	4,510	.1776	Z
KTFSS21300HPGM *	21,300	.8386	4,530	.1783	Z
KTFSS21400HPGM *	21,400	.8425	4,550	.1791	Z
KTFSS21433HPGM	21,432	.8438	4,550	.1791	Z
KTFSS21500HPGM	21,500	.8465	4,560	.1795	Z
KTFSS21700HPGM	21,700	.8543	4,600	.1811	Z
KTFSS21800HPGM *	21,800	.8583	4,610	.1815	Z
KTFSS21829HPGM	21,829	.8594	4,620	.1819	Z
KTFSS21900HPGM *	21,900	.8622	4,630	.1823	Z
KTFSS22000HPGM	22,000	.8661	4,720	.1858	ZA
KTFSS22100HPGM *	22,100	.8701	4,730	.1862	ZA
KTFSS22200HPGM *	22,200	.8740	4,750	.1870	ZA
KTFSS22225HPGM	22,225	.8750	4,750	.1870	ZA
KTFSS22400HPGM *	22,400	.8819	4,780	.1882	ZA
KTFSS22500HPGM	22,500	.8858	4,800	.1890	ZA
KTFSS22600HPGM *	22,600	.8898	4,820	.1898	ZA
KTFSS22700HPGM *	22,700	.8937	4,830	.1902	ZA



● eerste keuze
○ alternatieve keuze

KCP15A	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFSS22800HPGM	22,800	.8976	4,850	.1909	ZA
KTFSS22900HPGM *	22,900	.9016	4,870	.1917	ZA
KTFSS23000HPGM	23,000	.9055	4,890	.1925	ZB
KTFSS23100HPGM	23,100	.9094	4,910	.1933	ZB
KTFSS23200HPGM *	23,200	.9134	4,920	.1937	ZB
KTFSS23300HPGM	23,300	.9173	4,940	.1945	ZB
KTFSS23400HPGM *	23,400	.9213	4,960	.1953	ZB
KTFSS23416HPGM	23,416	.9219	4,960	.1953	ZB
KTFSS23500HPGM	23,500	.9252	4,980	.1961	ZB
KTFSS23600HPGM *	23,600	.9291	4,990	.1965	ZB
KTFSS23700HPGM *	23,700	.9331	5,010	.1972	ZB
KTFSS23800HPGM *	23,800	.9370	5,030	.1980	ZB
KTFSS23813HPGM	23,812	.9375	5,030	.1980	ZB
KTFSS23900HPGM *	23,900	.9409	5,040	.1984	ZB
KTFSS24000HPGM	24,000	.9449	5,130	.2020	ZC
KTFSS24100HPGM *	24,100	.9488	5,140	.2024	ZC
KTFSS24200HPGM *	24,200	.9528	5,160	.2031	ZC
KTFSS24300HPGM	24,300	.9567	5,180	.2039	ZC
KTFSS24400HPGM *	24,400	.9606	5,190	.2043	ZC
KTFSS24500HPGM	24,500	.9646	5,210	.2051	ZC
KTFSS24600HPGM *	24,600	.9685	5,230	.2059	ZC
KTFSS24608HPGM	24,608	.9688	5,230	.2059	ZC
KTFSS24700HPGM *	24,700	.9724	5,240	.2063	ZC
KTFSS24800HPGM *	24,800	.9764	5,260	.2071	ZC
KTFSS24900HPGM *	24,900	.9803	5,280	.2079	ZC
KTFSS25000HPGM	25,000	.9843	5,300	.2087	ZD
KTFSS25100HPGM *	25,100	.9882	5,320	.2094	ZD
KTFSS25200HPGM *	25,200	.9921	5,330	.2098	ZD
KTFSS25250HPGM *	25,250	.9941	5,340	.2102	ZD
KTFSS25300HPGM *	25,300	.9961	5,350	.2106	ZD
KTFSS25400HPGM	25,400	1.0000	5,370	.2114	ZD
KTFSS25500HPGM *	25,500	1.0039	5,380	.2118	ZD
KTFSS25540HPGM	25,540	1.0055	5,390	.2122	ZD
KTFSS25600HPGM	25,600	1.0079	5,400	.2126	ZD
KTFSS25679HPGM	25,679	1.0110	5,410	.2130	ZD
KTFSS25700HPGM *	25,700	1.0118	5,420	.2134	ZD
KTFSS25800HPGM *	25,800	1.0157	5,440	.2142	ZD
KTFSS25806HPGM	25,806	1.0160	5,440	.2142	ZD
KTFSS25900HPGM *	25,900	1.0197	5,450	.2146	ZD
KTFSS26000HPGM	26,000	1.0236	5,470	.2154	ZD

LET OP: *Standaard te bestellen. Standaard prijzen, standaard levertijden en kleine bestelhoeveelheden.
Producten met D1 ≥20mm zullen beschikbaar zijn vanaf de 1e januari 2018.

KenTIP FS HPG geometrie

Tolerantie

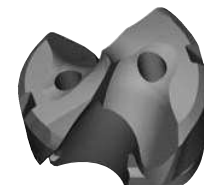
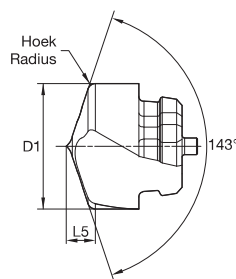
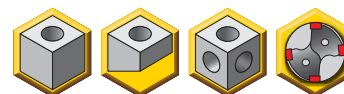
D1 metrisch	tolerantie k8
6	0,000/+0,018
>6-10	0,000/+0,022
>10-18	0,000/+0,027
>18-26	0,000/+0,033

- Modulaire Hardmetalen Boorpunten • KenTIP™ FS • HPG Geometrie • Soort KPC15A™ • Geen Interne Koelkanalen in de Wisselpunt • Koeling door het Houder gereedschap • Metrisch

Materiaal groep	Snij snelheid			Metrisch							
	Vc m/min			Aanbevolen aanzet per omw.							
	Min	Start waarde	Max		8,0	10,0	12,0	14,0	16,0	20,0	
P	1	90	130	170	mm/omw	0,11–0,22	0,13–0,28	0,14–0,34	0,17–0,43	0,19–0,50	0,25–0,53
	2	100	140	180	mm/omw	0,11–0,26	0,13–0,32	0,14–0,36	0,17–0,40	0,19–0,50	0,25–0,53
	3	60	100	130	mm/omw	0,11–0,31	0,12–0,39	0,16–0,41	0,21–0,51	0,23–0,51	0,30–0,56
	4	60	100	130	mm/omw	0,11–0,31	0,12–0,39	0,16–0,41	0,17–0,51	0,18–0,51	0,23–0,51
	5	60	70	100	mm/omw	0,10–0,22	0,10–0,25	0,10–0,28	0,14–0,32	0,16–0,35	0,20–0,46
	6	60	70	70	mm/omw	0,10–0,22	0,10–0,25	0,10–0,28	0,14–0,32	0,16–0,35	0,20–0,46
K	1	80	120	170	mm/omw	0,15–0,32	0,16–0,35	0,17–0,39	0,21–0,46	0,25–0,53	0,31–0,65
	2	80	110	120	mm/omw	0,15–0,32	0,16–0,33	0,17–0,36	0,21–0,45	0,25–0,53	0,31–0,65
	3	50	80	100	mm/omw	0,16–0,33	0,17–0,36	0,18–0,40	0,20–0,45	0,21–0,48	0,23–0,53

Modulaire boren

- HPC-Punt Geometrie voor alle gietijzersoorten.
- 4 geleide randen verzekeren gat-rechtheid.
- Grote hoekradii voorkomen uitbrokkeling en reduceren braamvorming bij doorlopend boren.
- KC7410™ is een AlCr PVD meerlagige bekleding.
- Excellente slijtage weerstand.
- Met inwendige koeling.



HPC Geometrie

■ KenTIP FS Wisselpunt • HPC KC7410 • Met Inwendige Koelkanalen



KC7410	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFST06000HPCM	6,000	.2362	1,410	.0555	A
KTFST06200HPCM	6,200	.2441	1,440	.0567	A
KTFST06350HPCM	6,350	.2500	1,490	.0587	B
KTFST06500HPCM	6,500	.2559	1,510	.0594	B
KTFST06530HPCM	6,530	.2571	1,520	.0598	B
KTFST06700HPCM	6,700	.2638	1,570	.0618	C
KTFST06746HPCM	6,746	.2656	1,570	.0618	C
KTFST06800HPCM	6,800	.2677	1,580	.0622	C
KTFST07000HPCM	7,000	.2756	1,640	.0646	D
KTFST07145HPCM	7,145	.2813	1,670	.0657	D
KTFST07300HPCM	7,300	.2874	1,690	.0665	D
KTFST07500HPCM	7,500	.2953	1,760	.0693	E
KTFST07600HPCM	7,600	.2992	1,780	.0701	E
KTFST07800HPCM	7,800	.3071	1,810	.0713	E
KTFST07938HPCM	7,938	.3125	1,830	.0720	E
KTFST08000HPCM	8,000	.3150	1,880	.0740	F
KTFST08100HPCM *	8,100	.3189	1,890	.0744	F
KTFST08204HPCM *	8,204	.3230	1,910	.0752	F
KTFST08500HPCM	8,500	.3346	1,990	.0783	G
KTFST08600HPCM *	8,600	.3386	2,010	.0791	G
KTFST08700HPCM *	8,700	.3425	2,030	.0799	G
KTFST08733HPCM *	8,732	.3438	2,030	.0799	G
KTFST09000HPCM	9,000	.3543	2,110	.0831	H
KTFST09100HPCM *	9,100	.3583	2,130	.0839	H
KTFST09500HPCM	9,500	.3740	2,230	.0878	I
KTFST09525HPCM	9,525	.3750	2,230	.0878	I
KTFST09600HPCM *	9,600	.3780	2,250	.0886	I
KTFST09700HPCM *	9,700	.3819	2,260	.0890	I
KTFST09800HPCM *	9,800	.3858	2,280	.0898	I
KTFST09921HPCM	9,921	.3906	2,300	.0906	I
KTFST10000HPCM	10,000	.3937	2,350	.0925	J
KTFST10023HPCM *	10,023	.3946	2,350	.0925	J
KTFST10200HPCM	10,200	.4016	2,380	.0937	J
KTFST10300HPCM	10,300	.4055	2,400	.0945	J
KTFST10320HPCM *	10,320	.4063	2,400	.0945	J
KTFST10500HPCM	10,500	.4134	2,460	.0969	K



KC7410	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFST10600HPCM *	10,600	.4173	2,480	.0976	K
KTFST10700HPCM *	10,700	.4213	2,500	.0984	K
KTFST10716HPCM	10,716	.4219	2,500	.0984	K
KTFST10800HPCM	10,800	.4252	2,510	.0988	K
KTFST11000HPCM	11,000	.4331	2,580	.1016	L
KTFST11100HPCM	11,100	.4370	2,600	.1024	L
KTFST11113HPCM	11,112	.4375	2,600	.1024	L
KTFST11400HPCM	11,400	.4488	2,650	.1043	L
KTFST11500HPCM	11,500	.4528	2,700	.1063	M
KTFST11800HPCM *	11,800	.4646	2,750	.1083	M
KTFST11908HPCM *	11,908	.4688	2,770	.1091	M
KTFST12000HPCM	12,000	.4724	2,820	.1110	N
KTFST12304HPCM *	12,304	.4844	2,870	.1130	N
KTFST12500HPCM	12,500	.4921	2,930	.1154	O
KTFST12700HPCM	12,700	.5000	2,970	.1169	O
KTFST13000HPCM	13,000	.5118	3,050	.1201	P
KTFST13096HPCM	13,096	.5156	3,070	.1209	P
KTFST13200HPCM *	13,200	.5197	3,080	.1213	P
KTFST13300HPCM	13,300	.5236	3,100	.1220	P
KTFST13492HPCM	13,492	.5312	3,130	.1232	P
KTFST13500HPCM	13,500	.5315	3,170	.1248	Q
KTFST13600HPCM	13,600	.5354	3,180	.1252	Q
KTFST13800HPCM	13,800	.5433	3,220	.1268	Q
KTFST13891HPCM	13,891	.5469	3,230	.1272	Q
KTFST14000HPCM	14,000	.5512	3,290	.1295	R
KTFST14100HPCM *	14,100	.5551	3,300	.1299	R
KTFST14288HPCM	14,288	.5625	3,330	.1311	R
KTFST14500HPCM	14,500	.5709	3,400	.1339	S
KTFST14600HPCM *	14,600	.5748	3,420	.1346	S
KTFST14684HPCM *	14,684	.5781	3,430	.1350	S
KTFST14800HPCM *	14,800	.5827	3,450	.1358	S
KTFST15000HPCM	15,000	.5906	3,520	.1386	T
KTFST15083HPCM *	15,082	.5938	3,530	.1390	T
KTFST15100HPCM	15,100	.5945	3,540	.1394	T
KTFST15200HPCM *	15,200	.5984	3,550	.1398	T
KTFST15300HPCM *	15,300	.6024	3,570	.1406	T

- eerste keuze
- alternatieve keuze

(vervolg)

Modulaire boren

(KenTIP FS Wisselpunt • HPC KC7410™ • Met Inwendige Koelkanalen — vervolg)

 KC7410	D1		L5		Zitting grootte	 KC7410	D1		L5		Zitting grootte
	mm	in	mm	in			mm	in	mm	in	
KTFST15500HPCM	15,500	.6102	3,600	.1417	T	KTFST19050HPCM	19,050	.7500	4,470	.1760	X
KTFST15600HPCM *	15,600	.6142	3,620	.1425	T	KTFST19279HPCM *	19,279	.7590	4,500	.1772	X
KTFST15800HPCM	15,800	.6220	3,650	.1437	T	KTFST19446HPCM *	19,446	.7656	4,530	.1783	X
KTFST15875HPCM *	15,875	.6250	3,670	.1445	T	KTFST19500HPCM	19,500	.7677	4,540	.1787	X
KTFST16000HPCM	16,000	.6299	3,750	.1476	U	KTFST19800HPCM *	19,800	.7795	4,590	.1807	X
KTFST16100HPCM	16,100	.6339	3,770	.1484	U	KTFST20000HPCM	20,000	.7874	4,690	.1846	Y
KTFST16104HPCM *	16,104	.6340	3,770	.1484	U	KTFST20241HPCM	20,241	.7969	4,730	.1862	Y
KTFST16200HPCM *	16,200	.6378	3,790	.1492	U	KTFST20300HPCM *	20,300	.7992	4,740	.1866	Y
KTFST16271HPCM *	16,271	.6406	3,800	.1496	U	KTFST20500HPCM	20,500	.8071	4,780	.1882	Y
KTFST16300HPCM *	16,300	.6417	3,800	.1496	U	KTFST20638HPCM	20,638	.8125	4,800	.1890	Y
KTFST16500HPCM	16,500	.6496	3,840	.1512	U	KTFST21000HPCM	21,000	.8268	4,930	.1941	Z
KTFST16550HPCM *	16,550	.6516	3,850	.1516	U	KTFST21433HPCM *	21,432	.8438	5,000	.1969	Z
KTFST16600HPCM	16,600	.6535	3,850	.1516	U	KTFST21500HPCM *	21,500	.8465	5,010	.1972	Z
KTFST16670HPCM	16,670	.6563	3,870	.1524	U	KTFST22000HPCM	22,000	.8661	5,160	.2031	ZA
KTFST17000HPCM	17,000	.6693	3,990	.1571	V	KTFST22225HPCM *	22,225	.8750	5,200	.2047	ZA
KTFST17066HPCM *	17,066	.6719	4,000	.1575	V	KTFST22440HPCM *	22,440	.8835	5,240	.2063	ZA
KTFST17100HPCM *	17,100	.6732	4,010	.1579	V	KTFST22500HPCM *	22,500	.8858	5,250	.2067	ZA
KTFST17200HPCM	17,200	.6772	4,020	.1583	V	KTFST23000HPCM	23,000	.9055	5,400	.2126	ZB
KTFST17300HPCM	17,300	.6811	4,040	.1591	V	KTFST23416HPCM *	23,416	.9219	5,470	.2154	ZB
KTFST17463HPCM *	17,462	.6875	4,070	.1602	V	KTFST23500HPCM *	23,500	.9252	5,480	.2157	ZB
KTFST17500HPCM	17,500	.6890	4,070	.1602	V	KTFST23813HPCM *	23,812	.9375	5,530	.2177	ZB
KTFST17550HPCM *	17,550	.6909	4,080	.1606	V	KTFST24000HPCM	24,000	.9449	5,630	.2217	ZC
KTFST17600HPCM	17,600	.6929	4,090	.1610	V	KTFST24500HPCM *	24,500	.9646	5,720	.2252	ZC
KTFST17700HPCM *	17,700	.6969	4,110	.1618	V	KTFST24608HPCM *	24,608	.9688	5,730	.2256	ZC
KTFST17800HPCM	17,800	.7008	4,120	.1622	V	KTFST25000HPCM	25,000	.9843	5,870	.2311	ZD
KTFST18000HPCM	18,000	.7087	4,220	.1661	W	KTFST25070HPCM *	25,070	.9870	5,880	.2315	ZD
KTFST18100HPCM *	18,100	.7126	4,240	.1669	W	KTFST25400HPCM	25,400	1.0000	5,930	.2335	ZD
KTFST18258HPCM *	18,258	.7188	4,270	.1681	W	KTFST25500HPCM *	25,500	1.0039	5,950	.2343	ZD
KTFST18500HPCM	18,500	.7283	4,310	.1697	W	KTFST25679HPCM *	25,679	1.0110	5,980	.2354	ZD
KTFST18600HPCM	18,600	.7323	4,320	.1701	W	KTFST25806HPCM *	25,806	1.0160	6,000	.2362	ZD
KTFST18700HPCM *	18,700	.7362	4,340	.1709	W	KTFST26000HPCM	26,000	1.0236	6,030	.2374	ZD
KTFST19000HPCM	19,000	.7480	4,460	.1756	X						

LET OP: *Standaard te bestellen. Standaard prijzen, standaard levertijden en kleine bestelhoeveelheden.
 Producten met D1 ≤ 19,999mm zullen beschikbaar zijn in november 2017.
 Producten met D1 ≥ 20mm zullen beschikbaar zijn vanaf de 1e januari 2018.

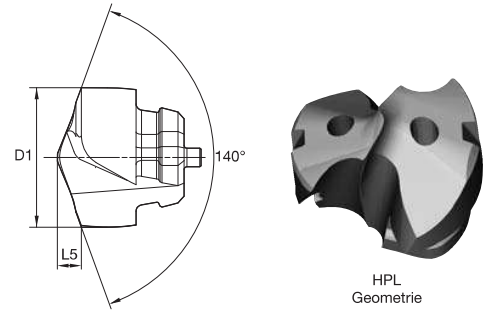
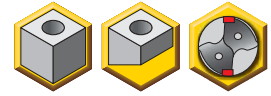
KenTIP FS HPC geometrie
Tolerantie

D1 metrisch	tolerantie k8
6	0,000/+0,018
>6-10	0,000/+0,022
>10-18	0,000/+0,027
>18-26	0,000/+0,033

Snijparameters
Modulaire Hardmetalen Boorpunten • KenTIP™ FS • HPC Geometrie • Soort KC7410™ • Interne Koelkanalen • Metrisch

Materiaal groep	Snij snelheid			Metrisch							
	Vc m/min			Aanbevolen aanzet per omw.							
	Min	Start waarde	Max	8,0	10,0	12,0	14,0	16,0	20,0		
K	1	100	175	200	mm/omw	0,14-0,34	0,16-0,39	0,19-0,45	0,23-0,50	0,26-0,58	0,3-0,64
	2	100	160	180	mm/omw	0,14-0,34	0,16-0,39	0,19-0,45	0,23-0,50	0,26-0,58	0,3-0,64
	3	70	85	120	mm/omw	0,13-0,27	0,15-0,33	0,17-0,37	0,19-0,42	0,21-0,46	0,28-0,54

- HPL-Punt Geometrie voor Roestvaste staalsoorten.
- Vormt 2 spanen per snijkant voor een onderbroken en gelijkmatige spaan afvoer.
- KCM15™ is een AlTiN PVD enkellaags bekleding.
- Voorkomt opbouwspanning, met een opperste gat kwaliteit.
- Zeer hoge spaan productie.
- Met interne koelkanalen.



Modulaire boren

■ KenTIP FS Wisselpunt • HPL KCMS15 • Met Inwendige Koelkanalen

KCMS15	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFST06000HPLM	6,000	.2362	1,340	.0528	A
KTFST06350HPLM	6,350	.2500	1,400	.0551	B
KTFST06500HPLM	6,500	.2559	1,430	.0563	B
KTFST06629HPLM	6,629	.2610	1,460	.0575	C
KTFST06800HPLM	6,800	.2677	1,490	.0587	C
KTFST07000HPLM	7,000	.2756	1,530	.0602	D
KTFST07500HPLM	7,500	.2953	1,630	.0642	E
KTFST07800HPLM	7,800	.3071	1,680	.0661	E
KTFST07938HPLM	7,938	.3125	1,710	.0673	E
KTFST08000HPLM	8,000	.3150	1,720	.0677	F
KTFST08100HPLM *	8,100	.3189	1,740	.0685	F
KTFST08204HPLM *	8,204	.3230	1,760	.0693	F
KTFST08334HPLM *	8,334	.3281	1,790	.0705	F
KTFST08400HPLM *	8,400	.3307	1,800	.0709	F
KTFST08500HPLM	8,500	.3346	1,820	.0717	G
KTFST08600HPLM *	8,600	.3386	1,840	.0724	G
KTFST08700HPLM *	8,700	.3425	1,860	.0732	G
KTFST08800HPLM *	8,800	.3465	1,880	.0740	G
KTFST08900HPLM	8,900	.3504	1,900	.0748	G
KTFST09000HPLM	9,000	.3543	1,930	.0760	H
KTFST09100HPLM *	9,100	.3583	1,950	.0768	H
KTFST09200HPLM	9,200	.3622	1,970	.0776	H
KTFST09400HPLM *	9,400	.3701	2,000	.0787	H
KTFST09500HPLM	9,500	.3740	2,030	.0799	I
KTFST09558HPLM *	9,558	.3763	2,040	.0803	I
KTFST09600HPLM	9,600	.3780	2,050	.0807	I
KTFST09700HPLM *	9,700	.3819	2,070	.0815	I
KTFST09800HPLM	9,800	.3858	2,090	.0823	I
KTFST09900HPLM	9,900	.3898	2,110	.0831	I
KTFST10000HPLM	10,000	.3937	2,130	.0839	J
KTFST10100HPLM	10,100	.3976	2,150	.0846	J
KTFST10200HPLM	10,200	.4016	2,170	.0854	J
KTFST10300HPLM	10,300	.4055	2,190	.0862	J
KTFST10320HPLM	10,320	.4063	2,190	.0862	J
KTFST10400HPLM *	10,400	.4094	2,210	.0870	J
KTFST10500HPLM	10,500	.4134	2,230	.0878	K

KCMS15	D1		L5		Zitting grootte
	mm	in	mm	in	
KTFST10600HPLM *	10,600	.4173	2,250	.0886	K
KTFST10700HPLM	10,700	.4213	2,270	.0894	K
KTFST10800HPLM *	10,800	.4252	2,290	.0902	K
KTFST10900HPLM *	10,900	.4291	2,310	.0909	K
KTFST11000HPLM	11,000	.4331	2,340	.0921	L
KTFST11100HPLM	11,100	.4370	2,350	.0925	L
KTFST11113HPLM	11,112	.4375	2,360	.0929	L
KTFST11200HPLM *	11,200	.4409	2,370	.0933	L
KTFST11400HPLM *	11,400	.4488	2,410	.0949	L
KTFST11500HPLM	11,500	.4528	2,440	.0961	M
KTFST11600HPLM *	11,600	.4567	2,460	.0969	M
KTFST11800HPLM *	11,800	.4646	2,490	.0980	M
KTFST11908HPLM	11,908	.4688	2,520	.0992	M
KTFST12000HPLM	12,000	.4724	2,540	.1000	N
KTFST12200HPLM *	12,200	.4803	2,580	.1016	N
KTFST12304HPLM	12,304	.4844	2,600	.1024	N
KTFST12500HPLM	12,500	.4921	2,640	.1039	O
KTFST12700HPLM	12,700	.5000	2,680	.1055	O
KTFST12800HPLM *	12,800	.5039	2,700	.1063	O
KTFST12900HPLM *	12,900	.5079	2,720	.1071	O
KTFST13000HPLM	13,000	.5118	2,740	.1079	P
KTFST13096HPLM	13,096	.5156	2,760	.1087	P
KTFST13200HPLM *	13,200	.5197	2,780	.1094	P
KTFST13492HPLM *	13,492	.5312	2,840	.1118	P
KTFST13500HPLM	13,500	.5315	2,840	.1118	Q
KTFST13800HPLM *	13,800	.5433	2,900	.1142	Q
KTFST13891HPLM *	13,891	.5469	2,920	.1150	Q
KTFST13896HPLM *	13,896	.5471	2,920	.1150	Q
KTFST14000HPLM	14,000	.5512	2,950	.1161	R
KTFST14100HPLM *	14,100	.5551	2,960	.1165	R
KTFST14200HPLM *	14,200	.5591	2,980	.1173	R
KTFST14288HPLM	14,288	.5625	3,000	.1181	R
KTFST14300HPLM	14,300	.5630	3,000	.1181	R
KTFST14400HPLM *	14,400	.5669	3,020	.1189	R
KTFST14500HPLM	14,500	.5709	3,050	.1201	S
KTFST14684HPLM *	14,684	.5781	3,080	.1213	S

- eerste keuze
- alternatieve keuze

(vervolg)

(KenTIP FS Wisselpunt • HPL KCMS15™ • Met Inwendige Koelkanalen – vervolg)

KCMS15	D1		L5		Zitting grootte	KCMS15	D1		L5		Zitting grootte
	mm	in	mm	in			mm	in	mm	in	
KTFST14800HPLM *	14,800	.5827	3,100	.1220	S	KTFST19355HPLM *	19,355	.7620	4,020	.1583	X
KTFST15000HPLM	15,000	.5906	3,150	.1240	T	KTFST19446HPLM	19,446	.7656	4,040	.1591	X
KTFST15100HPLM *	15,100	.5945	3,170	.1248	T	KTFST19460HPLM *	19,460	.7661	4,040	.1591	X
KTFST15200HPLM *	15,200	.5984	3,190	.1256	T	KTFST19500HPLM	19,500	.7677	4,050	.1594	X
KTFST15500HPLM	15,500	.6102	3,240	.1276	T	KTFST19845HPLM	19,845	.7813	4,120	.1622	X
KTFST15875HPLM	15,875	.6250	3,310	.1303	T	KTFST19850HPLM *	19,850	.7815	4,120	.1622	X
KTFST16000HPLM	16,000	.6299	3,350	.1319	U	KTFST20000HPLM	20,000	.7874	4,160	.1638	Y
KTFST16100HPLM *	16,100	.6339	3,370	.1327	U	KTFST20500HPLM	20,500	.8071	4,250	.1673	Y
KTFST16104HPLM	16,104	.6340	3,370	.1327	U	KTFST20638HPLM	20,638	.8125	4,280	.1685	Y
KTFST16150HPLM	16,150	.6358	3,380	.1331	U	KTFST21000HPLM	21,000	.8268	4,360	.1717	Z
KTFST16271HPLM	16,271	.6406	3,400	.1339	U	KTFST21150HPLM *	21,150	.8327	4,390	.1728	Z
KTFST16500HPLM	16,500	.6496	3,450	.1358	U	KTFST21500HPLM	21,500	.8465	4,450	.1752	Z
KTFST16670HPLM	16,670	.6563	3,480	.1370	U	KTFST22000HPLM	22,000	.8661	4,560	.1795	ZA
KTFST17000HPLM	17,000	.6693	3,550	.1398	V	KTFST22225HPLM	22,225	.8750	4,600	.1811	ZA
KTFST17463HPLM *	17,462	.6875	3,640	.1433	V	KTFST22500HPLM	22,500	.8858	4,660	.1835	ZA
KTFST17480HPLM	17,480	.6882	3,640	.1433	V	KTFST23000HPLM	23,000	.9055	4,760	.1874	ZB
KTFST17500HPLM	17,500	.6890	3,650	.1437	V	KTFST23500HPLM	23,500	.9252	4,860	.1913	ZB
KTFST17700HPLM *	17,700	.6969	3,690	.1453	V	KTFST23813HPLM	23,812	.9375	4,920	.1937	ZB
KTFST18000HPLM	18,000	.7087	3,760	.1480	W	KTFST24000HPLM	24,000	.9449	4,960	.1953	ZC
KTFST18258HPLM *	18,258	.7188	3,800	.1496	W	KTFST24500HPLM	24,500	.9646	5,060	.1992	ZC
KTFST18500HPLM	18,500	.7283	3,850	.1516	W	KTFST25000HPLM	25,000	.9843	5,170	.2035	ZD
KTFST18654HPLM *	18,654	.7344	3,880	.1528	W	KTFST25400HPLM	25,400	1.0000	5,240	.2063	ZD
KTFST19000HPLM	19,000	.7480	3,960	.1559	X	KTFST25500HPLM	25,500	1.0039	5,260	.2071	ZD
KTFST19050HPLM	19,050	.7500	3,970	.1563	X	KTFST25600HPLM	25,600	1.0079	5,280	.2079	ZD
KTFST19200HPLM *	19,200	.7559	3,990	.1571	X	KTFST25650HPLM	25,650	1.0098	5,290	.2083	ZD
KTFST19228HPLM *	19,228	.7570	4,000	.1575	X	KTFST25679HPLM	25,679	1.0110	5,290	.2083	ZD
KTFST19253HPLM	19,253	.7580	4,000	.1575	X	KTFST25806HPLM	25,806	1.0160	5,320	.2094	ZD
KTFST19279HPLM	19,279	.7590	4,010	.1579	X	KTFST26000HPLM	26,000	1.0236	5,370	.2114	ZD

 ● eerste keuze
 ○ alternatieve keuze

Modulaire boren

 LET OP: *Standaard te bestellen. Standaard prijzen, standaard levertijden en kleine bestelhoeveelheden.
 Producten met D1 ≥20mm zullen beschikbaar zijn vanaf de 1e januari 2018.

KenTIP FS HPL geometrie
Tolerantie

D1 metrisch	tolerantie k8
6	0,000/+0,018
>6-10	0,000/+0,022
>10-18	0,000/+0,027
>18-26	0,000/+0,033

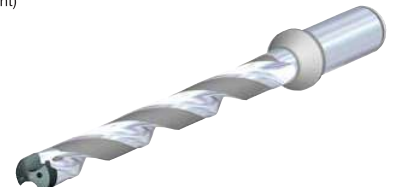
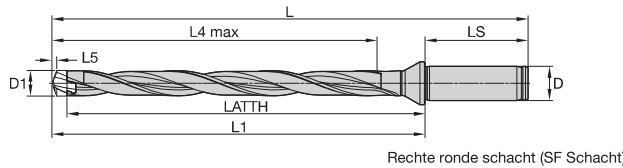
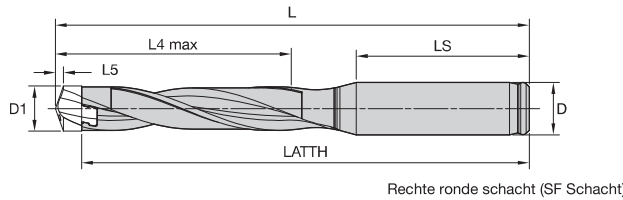
Snijparameters
■ Modulaire Hardmetalen Boorpunten • KenTIP™ FS • HPL Geometrie • Soort KCMS15™ • Interne Koelkanalen • Metrisch

Materiaal groep	Snij snelheid			Metrisch							
	Vc m/min			Aanbevolen aanzet per omw.							
	Min	Start waarde	Max	8,0	10,0	12,0	14,0	16,0	20,0		
M	1	50	60	90	mm/omw	0,08-0,15	0,09-0,18	0,11-0,20	0,12-0,22	0,13-0,24	0,16-0,28
	2	30	60	90	mm/omw	0,08-0,15	0,09-0,18	0,11-0,20	0,12-0,22	0,13-0,24	0,16-0,28
	3	20	50	60	mm/omw	0,08-0,15	0,09-0,18	0,11-0,20	0,12-0,22	0,13-0,24	0,16-0,28

- KenTIP FS Houders met rechte cilindrische - metrische schacht.
- 12 x D houders houders met kenmerkende vlakke kant voor hogere stijfheid.
- Multi koeling voorzien van geavanceerde koelkanaal lay-out met vier uitstroom openingen in elke houder.
- Elke gereedschaphouder wordt geleverd met bijbehorende sleutel.



Modulaire boren

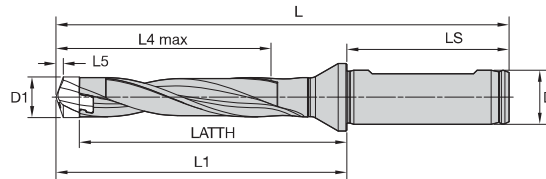


■ KenTIP FS Ronde schacht • 1,5 x D/3 x D/5 x D/8 x D/12 x D • Metrisch

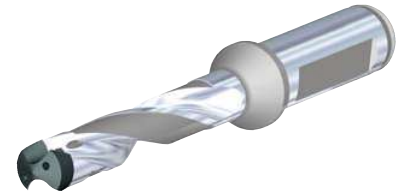


1.5 x D SS	3 x D SS	5 x D SS	8 x D SS	12 x D SF	D1		D1 max		Zitting grootte	KenTIP sleutel
					mm	in	mm	in		
KTFS060R01SS8M	KTFS060R03SS8M	KTFS060R05SS8M	KTFS060R08SS8M	KTFS060R12SF12M	6,000	.2363	6,299	.2480	A	170.319
KTFS063R01SS8M	KTFS063R03SS8M	KTFS063R05SS8M	KTFS063R08SS8M	KTFS063R12SF12M	6,300	.2481	6,599	.2598	B	170.319
KTFS066R01SS8M	KTFS066R03SS8M	KTFS066R05SS8M	KTFS066R08SS8M	KTFS066R12SF12M	6,600	.2599	6,999	.2755	C	170.319
KTFS070R01SS8M	KTFS070R03SS8M	KTFS070R05SS8M	KTFS070R08SS8M	KTFS070R12SF12M	7,000	.2756	7,499	.2952	D	170.319
KTFS075R01SS8M	KTFS075R03SS8M	KTFS075R05SS8M	KTFS075R08SS8M	KTFS075R12SF12M	7,500	.2953	7,999	.3149	E	170.319
KTFS080R01SS10M	KTFS080R03SS10M	KTFS080R05SS10M	KTFS080R08SS10M	KTFS080R12SF12M	8,000	.3150	8,499	.3346	F	170.306
KTFS085R01SS10M	KTFS085R03SS10M	KTFS085R05SS10M	KTFS085R08SS10M	KTFS085R12SF12M	8,500	.3346	8,999	.3543	G	170.306
KTFS090R01SS10M	KTFS090R03SS10M	KTFS090R05SS10M	KTFS090R08SS10M	KTFS090R12SF12M	9,000	.3544	9,499	.3739	H	170.306
KTFS095R01SS10M	KTFS095R03SS10M	KTFS095R05SS10M	KTFS095R08SS10M	KTFS095R12SF12M	9,500	.3740	9,999	.3936	I	170.306
KTFS100R01SS12M	KTFS100R03SS12M	KTFS100R05SS12M	KTFS100R08SS12M	KTFS100R12SF16M	10,000	.3937	10,499	.4133	J	170.307
KTFS105R01SS12M	KTFS105R03SS12M	KTFS105R05SS12M	KTFS105R08SS12M	KTFS105R12SF16M	10,500	.4134	10,999	.4330	K	170.307
KTFS110R01SS12M	KTFS110R03SS12M	KTFS110R05SS12M	KTFS110R08SS12M	KTFS110R12SF16M	11,000	.4331	11,499	.4527	L	170.307
KTFS115R01SS12M	KTFS115R03SS12M	KTFS115R05SS12M	KTFS115R08SS12M	KTFS115R12SF16M	11,500	.4528	11,999	.4724	M	170.307
KTFS120R01SS14M	KTFS120R03SS14M	KTFS120R05SS14M	KTFS120R08SS14M	KTFS120R12SF16M	12,000	.4725	12,499	.4921	N	170.308
KTFS125R01SS14M	KTFS125R03SS14M	KTFS125R05SS14M	KTFS125R08SS14M	KTFS125R12SF16M	12,500	.4922	12,999	.5117	O	170.308
KTFS130R01SS14M	KTFS130R03SS14M	KTFS130R05SS14M	KTFS130R08SS14M	KTFS130R12SF16M	13,000	.5118	13,499	.5314	P	170.308
KTFS135R01SS14M	KTFS135R03SS14M	KTFS135R05SS14M	KTFS135R08SS14M	KTFS135R12SF16M	13,500	.5315	13,999	.5511	Q	170.308
KTFS140R01SS16M	KTFS140R03SS16M	KTFS140R05SS16M	KTFS140R08SS16M	KTFS140R12SF16M	14,000	.5512	14,499	.5708	R	170.309
KTFS145R01SS16M	KTFS145R03SS16M	KTFS145R05SS16M	KTFS145R08SS16M	KTFS145R12SF16M	14,500	.5709	14,999	.5905	S	170.309
KTFS150R01SS16M	KTFS150R03SS16M	KTFS150R05SS16M	KTFS150R08SS16M	KTFS150R12SF20M	15,000	.5906	15,999	.6299	T	170.309
KTFS160R01SS16M	KTFS160R03SS16M	KTFS160R05SS16M	KTFS160R08SS16M	KTFS160R12SF20M	16,000	.6300	16,999	.6692	U	170.309
KTFS170R01SS20M	KTFS170R03SS20M	KTFS170R05SS20M	KTFS170R08SS20M	KTFS170R12SF20M	17,000	.6693	17,999	.7086	V	170.314
KTFS180R01SS20M	KTFS180R03SS20M	KTFS180R05SS20M	KTFS180R08SS20M	KTFS180R12SF25M	18,000	.7087	18,999	.7479	W	170.314
KTFS190R01SS20M	KTFS190R03SS20M	KTFS190R05SS20M	KTFS190R08SS20M	KTFS190R12SF25M	19,000	.7480	19,999	.7873	X	170.314

- KenTIP FS Houders met rechte cilindrische - metrische schacht.
- Multi koeling voorzien van geavanceerde koelkanaal lay-out met vier uitstroom openingen in elke houder.
- Elke gereedschaphouder wordt geleverd met bijbehorende sleutel.



Rechte ronde schacht (SCF Schacht)



Modulaire boren

■ KenTIP FS Ronde schacht met spanvlak • 1,5 x D/3 x D/5 x D/8 x D/12 x D • Metrisch

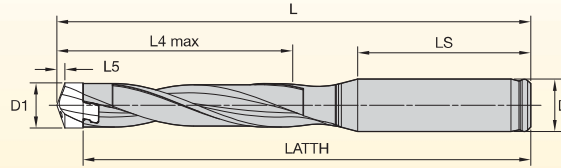


	1.5 x D SCF	3 x D SCF	5 x D SCF	8 x D SCF	12 x D SCF	D1		D1 max		Zitting grootte	KenTIP sleutel
						mm	in	mm	in		
-	-	KTFS080R03SCF12M	KTFS080R05SCF12M	KTFS080R08SCF12M	-	8,000	.3150	8,499	.3346	F	170.306
-	-	KTFS085R03SCF12M	KTFS085R05SCF12M	KTFS085R08SCF12M	-	8,500	.3346	8,999	.3543	G	170.306
-	-	KTFS090R03SCF12M	KTFS090R05SCF12M	KTFS090R08SCF12M	-	9,000	.3544	9,499	.3739	H	170.306
-	-	KTFS095R03SCF12M	KTFS095R05SCF12M	KTFS095R08SCF12M	-	9,500	.3740	9,999	.3936	I	170.306
-	-	KTFS100R03SCF16M	KTFS100R05SCF16M	KTFS100R08SCF16M	-	10,000	.3937	10,499	.4133	J	170.307
-	-	KTFS105R03SCF16M	KTFS105R05SCF16M	KTFS105R08SCF16M	-	10,500	.4134	10,999	.4330	K	170.307
-	-	KTFS110R03SCF16M	KTFS110R05SCF16M	KTFS110R08SCF16M	-	11,000	.4331	11,499	.4527	L	170.307
-	-	KTFS115R03SCF16M	KTFS115R05SCF16M	KTFS115R08SCF16M	-	11,500	.4528	11,999	.4724	M	170.307
-	-	KTFS120R03SCF16M	KTFS120R05SCF16M	KTFS120R08SCF16M	-	12,000	.4725	12,499	.4921	N	170.308
-	-	KTFS125R03SCF16M	KTFS125R05SCF16M	KTFS125R08SCF16M	-	12,500	.4922	12,999	.5117	O	170.308
-	-	KTFS130R03SCF16M	KTFS130R05SCF16M	KTFS130R08SCF16M	-	13,000	.5118	13,499	.5314	P	170.308
-	-	KTFS135R03SCF16M	KTFS135R05SCF16M	KTFS135R08SCF16M	-	13,500	.5315	13,999	.5511	Q	170.308
-	-	KTFS140R03SCF16M	KTFS140R05SCF16M	KTFS140R08SCF16M	-	14,000	.5512	14,499	.5708	R	170.309
-	-	KTFS145R03SCF16M	KTFS145R05SCF16M	KTFS145R08SCF16M	-	14,500	.5709	14,999	.5905	S	170.309
-	-	KTFS150R03SCF20M	KTFS150R05SCF20M	KTFS150R08SCF20M	-	15,000	.5906	15,999	.6299	T	170.309
-	-	KTFS160R03SCF20M	KTFS160R05SCF20M	KTFS160R08SCF20M	-	16,000	.6300	16,999	.6692	U	170.309
-	-	KTFS170R03SCF20M	KTFS170R05SCF20M	KTFS170R08SCF20M	-	17,000	.6693	17,999	.7086	V	170.314
-	-	KTFS180R03SCF25M	KTFS180R05SCF25M	KTFS180R08SCF25M	-	18,000	.7087	18,999	.7479	W	170.314
-	-	KTFS190R03SCF25M	KTFS190R05SCF25M	KTFS190R08SCF25M	-	19,000	.7480	19,999	.7873	X	170.314
KTFS200R01SCF25M	KTFS200R03SCF25M	KTFS200R05SCF25M	KTFS200R08SCF25M	KTFS200R12SCF25M	KTFS200R12SCF25M	20,000	.7874	20,999	.8267	Y	170.314
KTFS210R01SCF25M	KTFS210R03SCF25M	KTFS210R05SCF25M	KTFS210R08SCF25M	KTFS210R12SCF25M	KTFS210R12SCF25M	21,000	.8268	21,999	.8661	Z	170.314
KTFS220R01SCF25M	KTFS220R03SCF25M	KTFS220R05SCF25M	KTFS220R08SCF25M	KTFS220R12SCF25M	KTFS220R12SCF25M	22,000	.8662	22,999	.9054	ZA	170.314
KTFS230R01SCF25M	KTFS230R03SCF25M	KTFS230R05SCF25M	KTFS230R08SCF25M	KTFS230R12SCF25M	KTFS230R12SCF25M	23,000	.9055	23,999	.9448	ZB	170.314
KTFS240R01SCF25M	KTFS240R03SCF25M	KTFS240R05SCF25M	KTFS240R08SCF25M	KTFS240R12SCF25M	KTFS240R12SCF25M	24,000	.9449	24,999	.9842	ZC	170.314
KTFS250R01SCF25M	KTFS250R03SCF25M	KTFS250R05SCF25M	KTFS250R08SCF25M	KTFS250R12SCF25M	KTFS250R12SCF25M	25,000	.9843	25,999	1.0236	ZD	170.314

LET OP: Producten met D1 ≥20mm zullen beschikbaar zijn vanaf de 1e januari 2018.

Modulaire Boren • Maat Tabellen

■ Rechte Ronde Schacht • Metrisch



D1 min	D1 max	Zitting	LS	Rond d	1.5 x D SS			3 x D SS			5 x D SS			8 x D SS		
					LATTH	L	L4 max	LATTH	L	L4 max	LATTH	L	L4 max	LATTH	L	L4 max
6,000	6,299	A	37	8	53,5	57	9	63,5	67	19	76,5	80	32	94,5	98	50
6,300	6,599	B	37	8	54,3	58	10	64,3	68	20	77,3	81	33	97,3	101	53
6,600	6,999	C	37	8	55,2	59	10	66,2	70	21	80,2	84	35	101,2	105	56
7,000	7,499	D	37	8	55,9	60	11	66,9	71	22	82,9	87	38	104,9	109	60
7,500	7,999	E	37	8	56,7	61	12	68,7	73	24	84,7	89	40	108,7	113	64
8,000	8,499	F	41	10	63,4	68	13	76,4	81	26	92,4	97	42	118,4	123	68
8,500	8,999	G	41	10	64,1	69	14	77,1	82	27	95,1	100	45	122,1	127	72
9,000	9,499	H	41	10	63,8	69	14	77,8	83	28	97,8	103	48	125,8	131	76
9,500	9,999	I	41	10	64,5	70	15	79,5	85	30	99,5	105	50	129,5	135	80
10,000	10,499	J	46	12	72,2	78	16	88,2	94	32	108,2	114	52	140,2	146	84
10,500	10,999	K	46	12	71,9	78	16	88,9	95	33	110,9	117	55	143,9	150	88
11,000	11,499	L	46	12	72,6	79	17	89,6	96	34	113,6	120	58	147,6	154	92
11,500	11,999	M	46	12	73,3	80	18	91,3	98	36	115,3	122	60	151,3	158	96
12,000	12,499	N	46	14	76,0	83	19	95,0	102	38	119,0	126	62	157,0	164	100
12,500	12,999	O	46	14	76,8	84	20	95,8	103	39	121,8	129	65	160,8	168	104
13,000	13,499	P	46	14	76,5	84	20	96,5	104	40	124,5	132	68	164,5	172	108
13,500	13,999	Q	46	14	77,2	85	21	98,2	106	42	126,2	134	70	168,2	176	112
14,000	14,499	R	49	16	81,9	90	22	103,9	112	44	131,9	140	72	175,9	184	116
14,500	14,999	S	49	16	81,6	90	22	104,6	113	45	134,6	143	75	179,6	188	120
15,000	15,999	T	49	16	83,3	92	24	107,3	116	48	139,3	148	80	187,3	196	128
16,000	16,999	U	49	16	84,7	94	26	109,7	119	51	143,7	153	85	194,7	204	136
17,000	17,999	V	51	20	90,1	100	27	117,1	127	54	153,1	163	90	207,1	217	144
18,000	18,999	W	51	20	90,6	101	28	119,6	130	57	157,6	168	95	214,6	225	152
19,000	19,999	X	51	20	92,0	103	30	122,0	133	60	162,0	173	100	222,0	233	160

LET OP: Gereedschapouder afmetingen:

L: Totale lengte

L4: Max. boordiepte

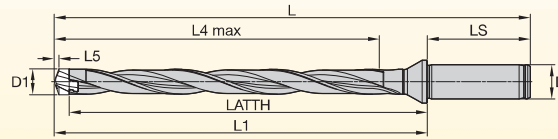
L5: Boorpunt hoogte (specifieke maat per diameter, zie de maat per diameter in de wisselpunt tabel)

LATTH: Boorpunt zitting referentie lengte

LS: Schacht lengte

(vervolg)

Modulaire Boren • Maat Tabellen (vervolg)

■ Rechte Ronde Schacht Met Spanvlak • Metrisch


D1 min	D1 max	Zitting	LS	met flens D	12 x D SF			
					LATTH	L	L1	L4 max
6,000	6,299	A	45	12	92,5	141	96	76
6,300	6,599	B	45	12	95,3	144	99	79
6,600	6,999	C	45	12	101,2	150	105	84
7,000	7,499	D	45	12	106,9	156	111	90
7,500	7,999	E	45	12	112,7	162	117	96
8,000	8,499	F	45	12	118,4	168	123	102
8,500	8,999	G	45	12	124,1	174	129	108
9,000	9,499	H	45	12	129,8	180	135	114
9,500	9,999	I	45	12	135,5	186	141	120
10,000	10,499	J	48	16	144,2	198	150	126
10,500	10,999	K	48	16	149,9	204	156	132
11,000	11,499	L	48	16	155,6	210	162	138
11,500	11,999	M	48	16	161,3	216	168	144
12,000	12,499	N	48	16	167,0	222	174	150
12,500	12,999	O	48	16	172,8	228	180	156
13,000	13,499	P	48	16	178,5	234	186	162
13,500	13,999	Q	48	16	184,2	240	192	168
14,000	14,499	R	48	16	189,9	246	198	174
14,500	14,999	S	48	16	195,6	252	204	180
15,000	15,999	T	50	20	210,3	269	219	192
16,000	16,999	U	50	20	221,7	281	231	204
17,000	17,999	V	50	20	233,1	293	243	216
18,000	18,999	W	56	25	247,6	314	258	228
19,000	19,999	X	56	25	259,0	326	270	240

LET OP: Gereedschaphouder afmetingen:

L: Totale lengte

L1: Boorlengte incl. aanlegvlak.

L4: Max. boordiepte

L5: Boorpunt hoogte (specifieke maat per diameter, zie de maat per diameter in de wisselpunt tabel)

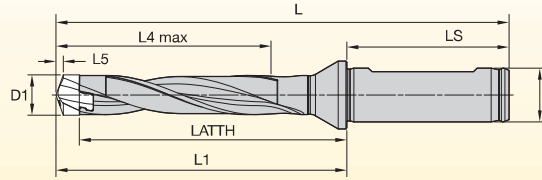
LATTH: Boorpunt zitting referentie lengte

LS: Schacht lengte

(vervolg)

Modulaire Boren • Maat Tabellen (vervolg)

■ Rechte Ronde Schacht • Metrisch



D1 min	D1 max	Zit-ting	met flens		1.5 x D SCF				3 x D SCF				5 x D SCF				8 x D SCF				12 x D SCF			
			LS	D	LATTH	L	L1	L4 max	LATTH	L	L1	L4 max	LATTH	L	L1	L4 max	LATTH	L	L1	L4 max	LATTH	L	L1	L4 max
8,000	8,499	F	45	12	-	-	-	-	42,4	92	2	26	58,4	108	2	42	84,4	134	4	68	-	-	-	-
8,500	8,999	G	45	12	-	-	-	-	43,1	93	2	27	61,1	111	3	45	88,1	138	4	72	-	-	-	-
9,000	9,499	H	45	12	-	-	-	-	43,8	94	2	28	63,8	114	3	48	91,8	142	4	76	-	-	-	-
9,500	9,999	I	45	12	-	-	-	-	45,5	96	2	30	65,5	116	3	50	95,5	146	4	80	-	-	-	-
10,000	10,499	J	48	16	-	-	-	-	50,2	104	2	32	70,2	124	3	52	102,2	156	4	84	-	-	-	-
10,500	10,999	K	48	16	-	-	-	-	50,9	105	2	33	72,9	127	3	55	105,9	160	4	88	-	-	-	-
11,000	11,499	L	48	16	-	-	-	-	51,6	106	2	34	75,6	130	3	58	109,6	164	5	92	-	-	-	-
11,500	11,999	M	48	16	-	-	-	-	53,3	108	2	36	77,3	132	3	60	113,3	168	5	96	-	-	-	-
12,000	12,499	N	48	16	-	-	-	-	55,0	110	2	38	79,0	134	3	62	117,0	172	5	100	-	-	-	-
12,500	12,999	O	48	16	-	-	-	-	55,8	111	2	39	81,8	137	4	65	120,8	176	5	104	-	-	-	-
13,000	13,499	P	48	16	-	-	-	-	56,5	112	3	40	84,5	140	4	68	124,5	180	5	108	-	-	-	-
13,500	13,999	Q	48	16	-	-	-	-	58,2	114	3	42	86,2	142	4	70	128,2	184	5	112	-	-	-	-
14,000	14,499	R	48	16	-	-	-	-	59,9	116	3	44	87,9	144	4	72	131,9	188	6	116	-	-	-	-
14,500	14,999	S	48	16	-	-	-	-	60,6	117	3	45	90,6	147	4	75	135,6	192	6	120	-	-	-	-
15,000	15,999	T	50	20	-	-	-	-	66,3	125	3	48	98,3	157	4	80	146,3	205	6	128	-	-	-	-
16,000	16,999	U	50	20	-	-	-	-	68,7	128	3	51	102,7	162	4	85	153,7	213	6	136	-	-	-	-
17,000	17,999	V	50	20	-	-	-	-	71,1	131	3	54	107,1	167	5	90	161,1	221	7	144	-	-	-	-
18,000	18,999	W	56	25	-	-	-	-	76,6	143	3	57	114,6	181	5	95	171,6	238	7	152	-	-	-	-
19,000	19,999	X	56	25	-	-	-	-	79,0	146	4	60	119,0	186	5	100	179,0	246	7	160	-	-	-	-
20,000	20,999	Y	56	25	50,4	118	2	32	81,4	149	4	63	123,4	191	5	105	186,4	254	8	168	270,4	338	11	252
21,000	21,999	Z	56	25	50,8	119	2	33	83,8	152	4	66	127,8	196	6	110	193,8	262	8	176	281,8	350	12	264
22,000	22,999	ZA	56	25	51,2	120	3	34	86,2	155	4	69	132,2	201	6	115	201,2	270	8	184	293,2	362	12	276
23,000	23,999	ZB	56	25	52,7	122	3	36	88,7	158	4	72	136,7	206	6	120	208,7	278	9	192	304,7	374	13	288
24,000	24,999	ZC	56	25	54,1	124	3	38	91,1	161	4	75	141,1	211	6	125	216,1	286	9	200	316,1	386	13	300
25,000	25,999	ZD	56	25	54,5	125	3	39	93,5	164	4	78	145,5	216	6	130	223,5	294	9	208	327,5	398	13	312

LET OP: Gereedschapshouder afmetingen:

L: Totale lengte

L1: Boorlengte incl. aanlegvlak

L4: Max. boordiepte

L5: Boorpunt hoogte (specifieke maat per diameter, zie de maat per diameter in de wisselpunt tabel)

LATTH: Boorpunt zitting referentie lengte

LS: Schacht lengte

Montage

1 1. Bescherm uw ogen en handen. Bevestig de Houder. Blaas de zitting schoon.

2 2. Steek de boorpunt in de zitting zodanig dat het aanligt op de houder.

3 3. Draai het het een weinig kloks gewijs met uw vingers.

4 **Mini-Sleutel • ø 6-7.999mm**

4. Plaats de sleutel op de boorpunt: de sleutel moet goed in de spaankamers geplaatst zijn.

5 *Voor vastzetten druk stevig op de sleutel en draai in de aangegeven richting. Losmaken: idem, draai tegen de klok in.

4 **K-Sleutel en Multi Sleutel • ø 8-26mm**

4. Plaats de sleutel op de boorpunt: de sleutelbladen moeten goed in de gleuven op de flanken geplaatst worden.

5

Beschikbare sleutels

Mini sleutel

Sleutel moet goed in de spaankamer geplaatst zijn.



K- Sleutel

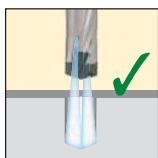
Sleutel bladen moeten goed passen in de gleuven.



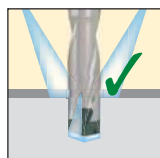
Multi-sleutel



Koeling



Inwendige koelvloeistof aanbevolen voor alle toepassingen.



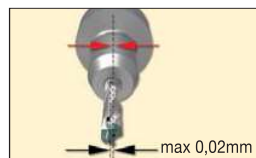
Koelvloeistof voor boren $\leq 3 \times D$.



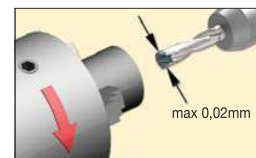
Droog boren is niet aanbevolen, Standtijd is beperkt.

Centerhoogte afwijking

Bewerkings Centrum



Stationaire booropstelling/Draaibank



Draaiende Toepassingen

KenTIP FS Houders met Rechte cilindrische SS en SF schachten (geen platte kanten) zijn ontworpen voor roterende toepassingen waarbij de boor draait terwijl het werkstuk stil blijft staan. De schacht naar de boorpunt is gehouden aan een buitengewone tolerantie. Om nauwkeurigheid te handhaven en het maximum aan functionering te verkrijgen, gebruik de beproefde methoden voor de gereedschap houders als hieronder aangegeven:



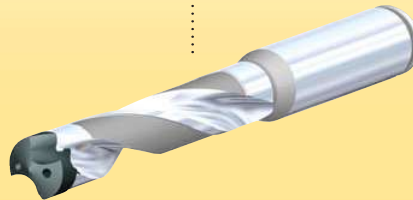
ERICKSON™ ER spantangopnames



ERICKSON Hydraulische spanner HP-Line

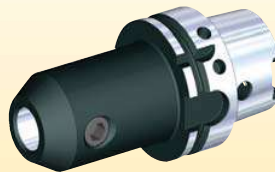


ERICKSON Schrink Fit gereedschaphouders voor algemeen gebruik

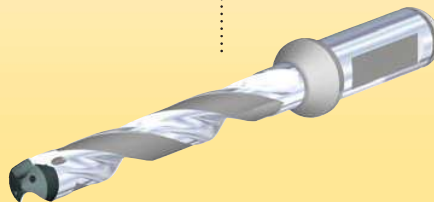


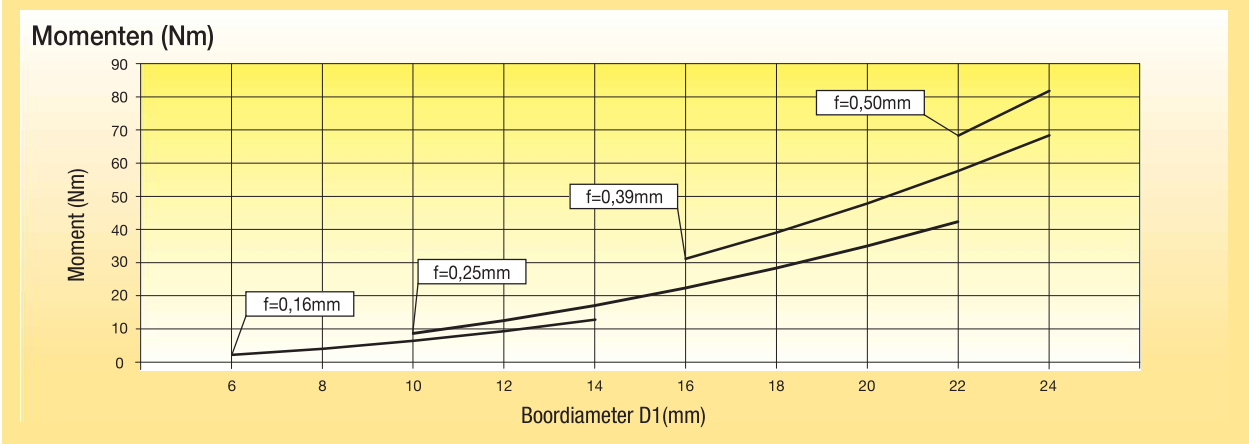
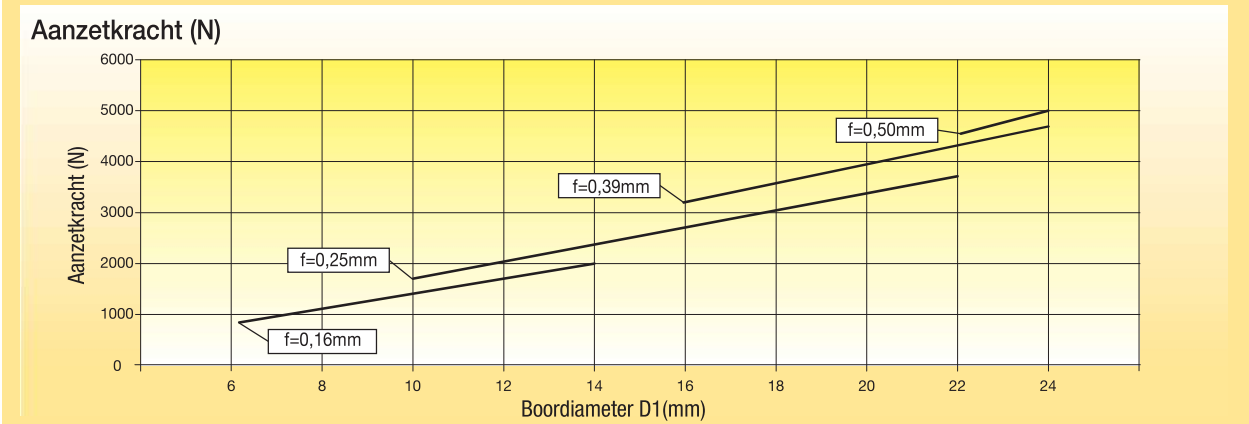
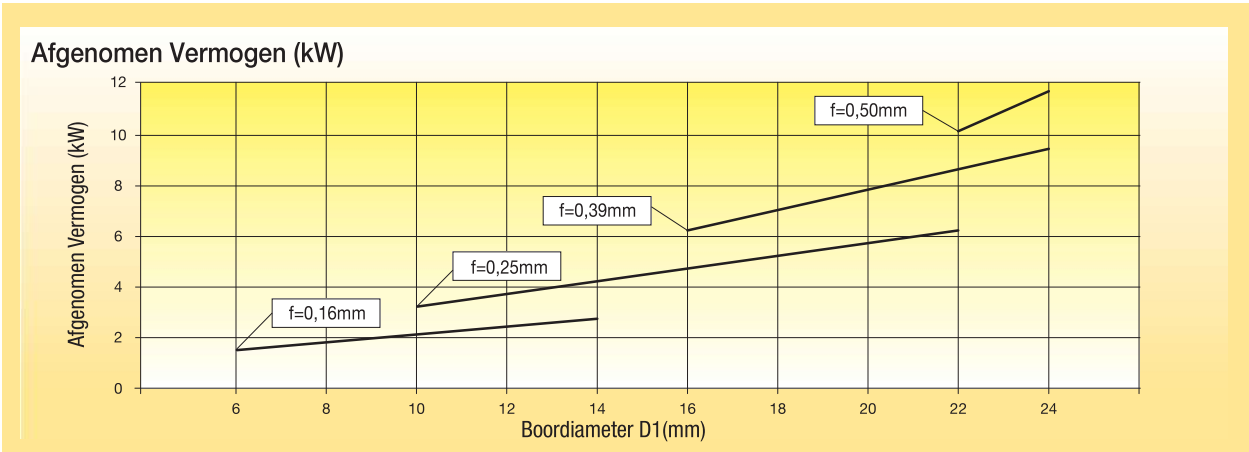
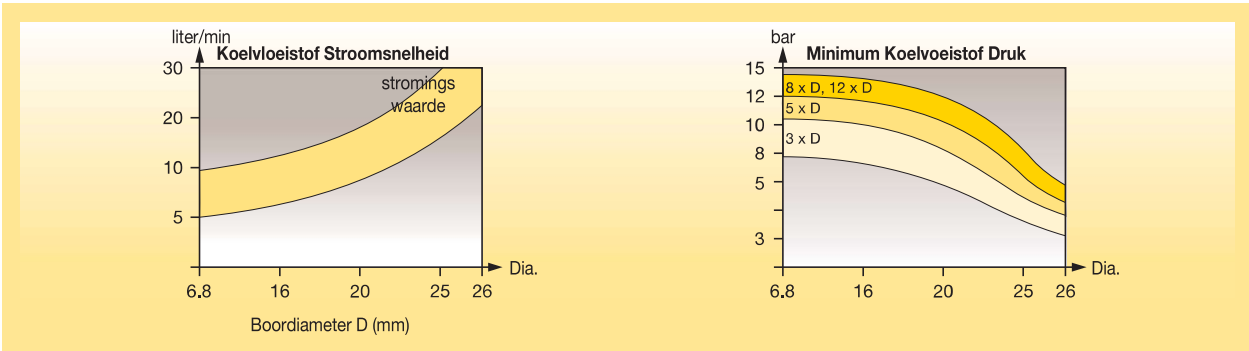
Roterende en Stationaire Toepassingen

KenTIP FS houders met SCF schachten (cilindrische schachten met 90 vlak en flens) beperken afwijkingen en staan voor een stabiele oplossing. Daar de schacht congruent is aan schachtfrees opnames, zijn deze houders zijn zeer handzaam en flexibel in gebruik. SCF schachten kunnen worden gebruikt in elke roterende toepassing en zijn ook geschikt voor gebruik in draaibanken en andere instellingen voor stationair gebruik.



EM verbindingsstuk





LET OP: De diagrammen als boven, worden gebruikt voor bepalen van het afgenomen vermogen, aanzetkracht, en Moment. Ze zijn gebaseerd op snijkraft metingen in veredelde staalsoorten met een treksterkte van 750 N/mm². De basis snijsnelheid is: vc=80m/min.