



TOOLING SYSTEMS

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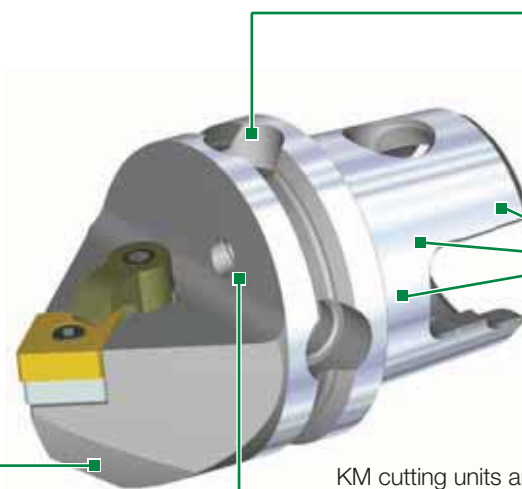
KM™ Quick Change Clamping System • **KM50TS™ Series**

The KM Quick Change Clamping System is the best system on the market suitable for static, rotating, and multitasking operations. With its industry-leading design, the KM Quick Change System provides greater clamping forces than other quick-change systems. The KM Quick Change System gives you the flexibility to use KM on any application within your shop.

KM50TS

- KM is an ISO standard (ISO 26622).
- KM clamping units provide a 4:1 mechanical advantage.
- KM cutting units are capable of 100 bar (1,500 psi) coolant pressure.

KM manufactured from high-strength tool steel.

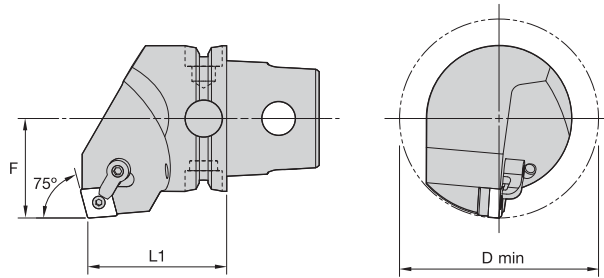


KM cutting units are equipped to use high-pressure coolant nozzles.

The KM flange is designed to provide ATC capability and to enable use of an RFID chip.

The KM System's superior rigidity is gained by the three points of contact the system develops when clamped.

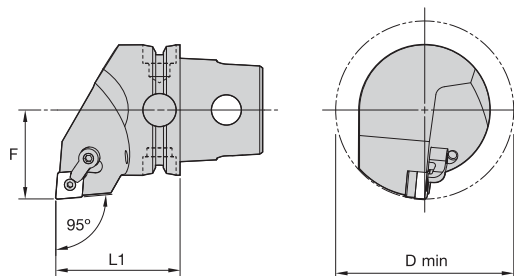




KM50TS Cutting Units

■ MCKN 75°

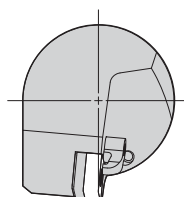
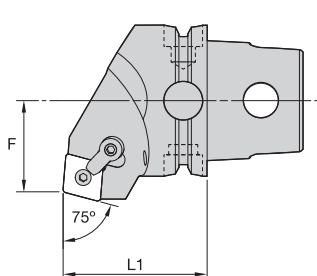
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order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
3738139	right hand KM50TSMCKNR12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,68	1.51
3738140	left hand KM50TSMCKNR16	50	1.969	35	1.378	70	2.756	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,71	1.57
3738137	KM50TSMCKNL12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,68	1.51
3738138	KM50TSMCKNL16	50	1.969	35	1.378	70	2.756	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,71	1.57



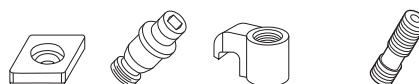
■ MCLN 95°

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right hand															
3738164	KM50TSMCLNR12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,64	1.42	
3738165	KM50TSMCLNR16	50	1.969	35	1.378	90	3.543	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,64	1.41	
3738166	KM50TSMCLNR19	50	1.969	35	1.378	90	3.543	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,63	1.39	
left hand															
3738141	KM50TSMCLNL12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,64	1.41	
3738142	KM50TSMCLNL16	50	1.969	35	1.378	90	3.543	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,64	1.41	
3738163	KM50TSMCLNL19	50	1.969	35	1.378	90	3.543	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,63	1.39	

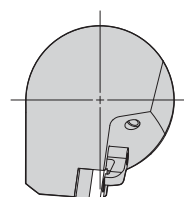
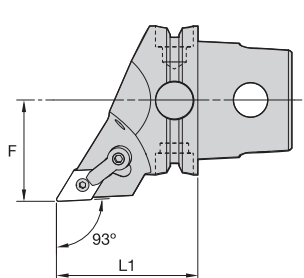




■ MCRN 75°



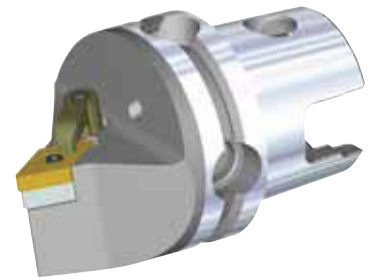
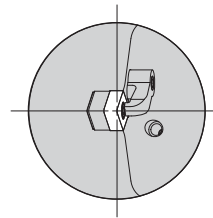
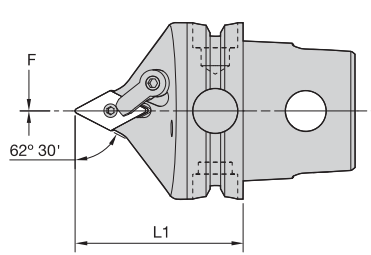
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3738182	KM50TSMCRNR12	50	1.969	30	1.181	CN..120408/CN..432	ICSN433	KLM46	CKM20LP	STCM11	0,66	1.44
3838383	KM50TSMCRNR16	50	1.969	30	1.181	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,66	1.45
3738183	KM50TSMCRNR19	50	1.969	30	1.181	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,66	1.45
3738179	KM50TSMCRNL12	50	1.969	30	1.181	CN..120408/CN..432	ICSN433	KLM46	CKM20LP	STCM11	0,66	1.45
3738181	KM50TSMCRNL16	50	1.969	30	1.181	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,64	1.41
3838384	KM50TSMCRNL19	50	1.969	30	1.181	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,66	1.44



■ MDJN 93°

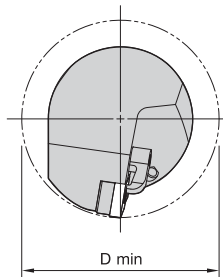
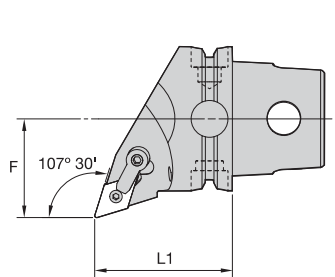
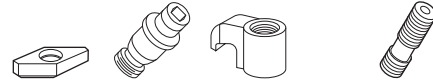


		L1		F								
order number	catalog number	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
3738151	right hand KM50TSMDJNR1504	50	1.969	35	1.378	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,50	1.110
3738152	KM50TSMDJNR1506	50	1.969	35	1.378	DN..150408/DN..432	IDSN432	KLM46L	CKM23LP	STCM11	0,50	1.110
3738153	KM50TSMDJNR1906	50	1.969	35	1.378	DN..190612/DN..532	IDSN532	KLM58	CKM13LP	STCM8	0,55	1.200
3738149	left hand KM50TSMDJNL1504	50	1.969	35	1.378	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,51	1.110
3738150	KM50TSMDJNL1506	50	1.969	35	1.378	DN..150408/DN..432	IDSN432	KLM46L	CKM23LP	STCM11	0,50	1.110



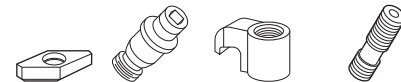
■ MDPN 62° 30'

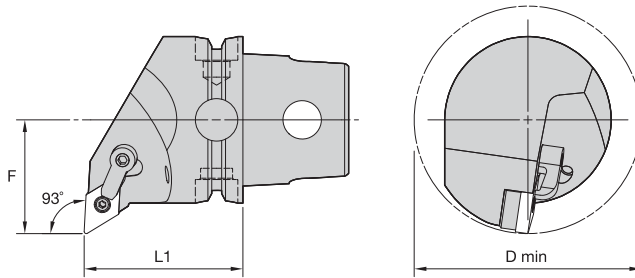
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		mm	in	mm	in							
3738489	KM50TSDPNN1504	50	1.969	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	0,46	1.02
3738509	KM50TSDPNN1506	50	1.969	0	.000	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	0,46	1.02



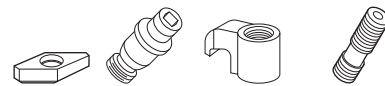
■ MDQN 107° 30'

		L1		F		D min								
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right hand														
3738522	KM50TSMQNR1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,59	1.30
3738524	KM50TSMQNR1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,59	1.29
left hand														
3738515	KM50TSMQNL1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,59	1.30
3738519	KM50TSMQNL1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,59	1.29

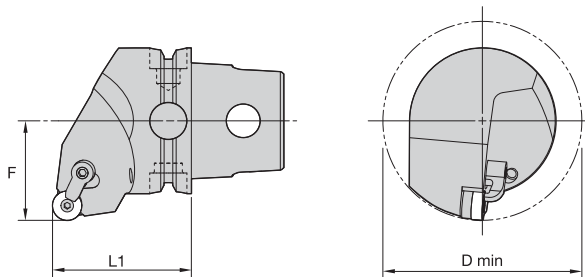




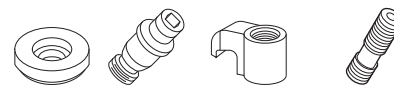
■ MDUN 93°



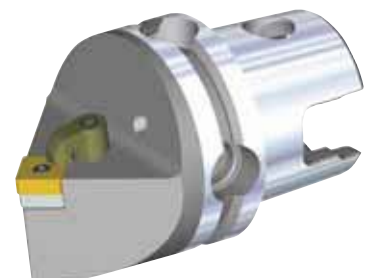
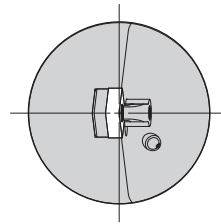
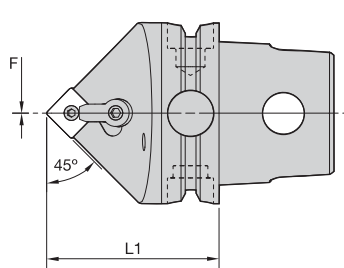
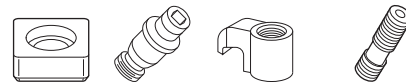
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		mm	in	mm	in	mm	in							
3738529	KM50TSM DUNR1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,64	1.41
3738530	KM50TSM DUNR1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,64	1.40
3738526	KM50TSM DUNL1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,64	1.41
3738528	KM50TSM DUNL1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,64	1.40



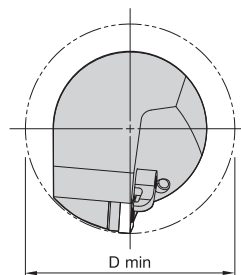
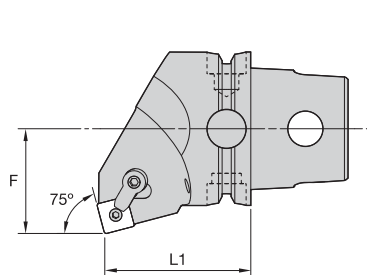
■ MRGN 0°



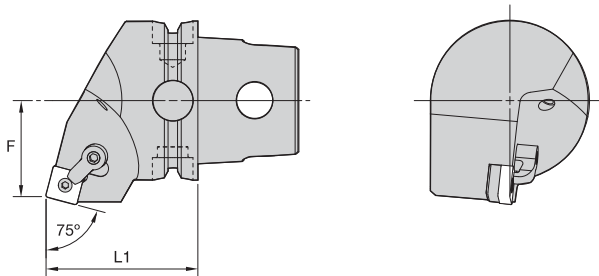
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		mm	in	mm	in	mm	in							
3738485	KM50TSM RGNR12	50	1.969	35	1.378	100	3.937	RN..1204000/RN..43	IRSN43	KLM46	CKM20LP	STCM11	0,64	1.41
3738484	KM50TSM RGNL12	50	1.969	35	1.378	100	3.937	RN..1204000/RN..43	IRSN43	KLM46	CKM20LP	STCM11	0,64	1.41


■ MSDN 45°


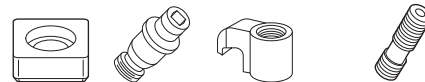
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3738567	KM50TSMDDN12	50	1.969	0	.000	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,51	1.13


■ MSKN 75°

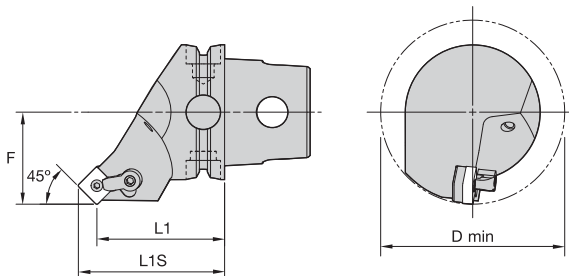

		L1		F		D min								
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3738572	right hand KM50TSMKSNR12	50	1.969	35	1.378	70	2.756	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,69	1.52
3738583	KM50TSMKSNR15	50	1.969	35	1.378	70	2.756	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,71	1.57
3738585	KM50TSMKSNR19	50	1.969	35	1.378	70	2.756	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,72	1.59
3738568	left hand KM50TSMKSNL12	50	1.969	35	1.378	70	2.756	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,69	1.53
3738569	KM50TSMKSNL15	50	1.969	35	1.378	70	2.756	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,71	1.57
3738571	KM50TSMKSNL19	50	1.969	35	1.378	70	2.756	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,72	1.59



■ MSRN 75°



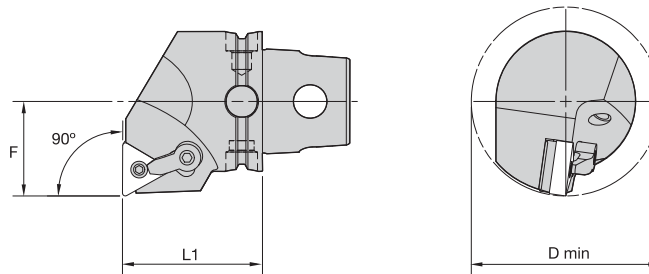
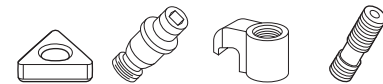
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3738615	right hand KM50TMSRNR12	50	1.969	30	1.181	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,58	1.28	
3738616	KM50TMSRNR15	50	1.969	30	1.181	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,60	1.32	
3738617	KM50TMSRNR19	50	1.969	30	1.181	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,60	1.31	
3738592	left hand KM50TMSRNL12	50	1.969	30	1.181	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,58	1.28	
3738613	KM50TMSRNL15	50	1.969	30	1.181	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,60	1.32	
3738614	KM50TMSRNL19	50	1.969	30	1.181	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,60	1.31	



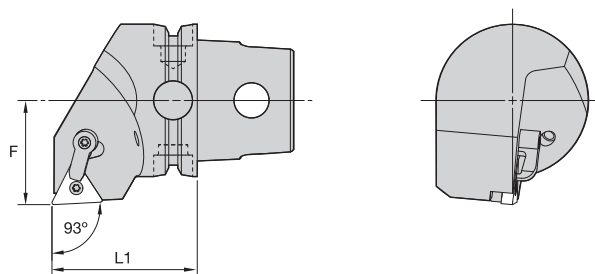
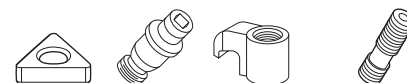
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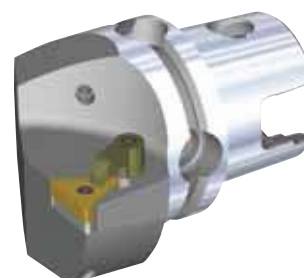
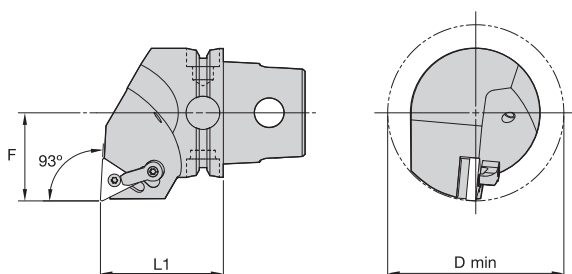
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right hand																
3738621	KM50TSMSSNR12	50	1.969	58,3	2.297	35	1.378	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,60	1.30
3738622	KM50TSMSSNR15	50	1.969	60,2	2.372	35	1.378	100	3.937	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,63	1.38
3738623	KM50TSMSSNR19	50	1.969	62,5	2.460	35	1.378	100	3.937	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,67	1.47
left hand																
3738618	KM50TSMSSNL12	50	1.969	58,3	2.297	35	1.378	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,60	1.30
3738619	KM50TSMSSNL15	50	1.969	60,2	2.372	35	1.378	100	3.937	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,63	1.38
3738620	KM50TSMSSNL19	50	1.969	62,5	2.460	35	1.378	100	3.937	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,67	1.47


■ MTFN 90°


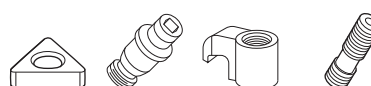
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		mm	in	mm	in	mm	in							
	right hand													
3738587	KM50TSMTFNR16	50	1.969	35	1.378	70	2.756	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,66	1.46
3738588	KM50TSMTFNR22	50	1.969	35	1.378	70	2.756	TN..220408/TN..432	ITSN433	KLM46	CKM23LP	STCM11	0,68	1.50
	left hand													
3838530	KM50TSMTFNL16	50	1.969	35	1.378	70	2.756	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,66	1.44
3838532	KM50TSMTFNL22	50	1.969	35	1.378	70	2.756	TN..220408/TN..432	ITSN433	KLM46	CKM23LP	STCM11	0,68	1.50


■ MTJN 93°


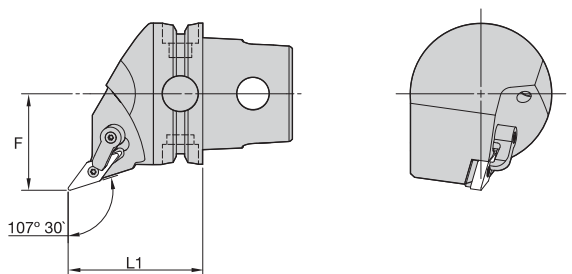
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		mm	in	mm	in							
	right hand											
3738590	KM50TSMTJNR16	50	1.969	35	1.378	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,64	1.41
	left hand											
3738589	KM50TSMTJNL16	50	1.969	35	1.378	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,64	1.41



■ MTUN 93°



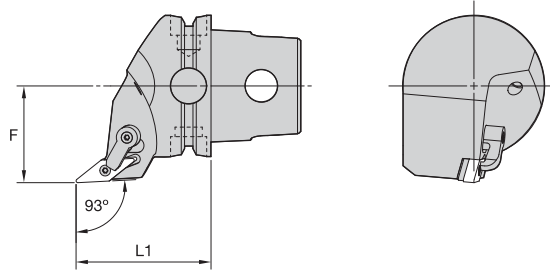
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3738591	KM50TSMTUNL16	50	1.969	35	1.378	70	2.756	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,63	1.39



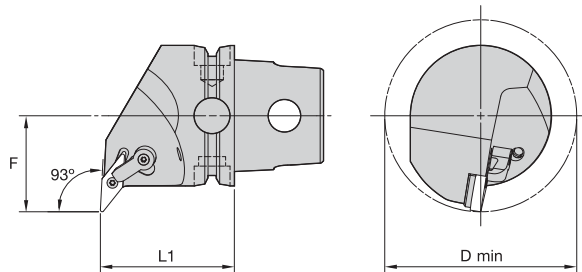
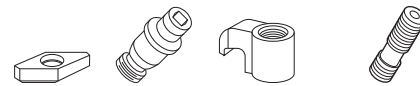
■ MVHN 107° 30'



order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738558	KM50TSMVHNR16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,56	1.23
3738557	KM50TSMVHNL16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,55	1.22


■ MVJN 93°

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738560	right hand KM50TSMVJNR16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,53	1.16
3738559	left hand KM50TSMVJNL16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,53	1.16

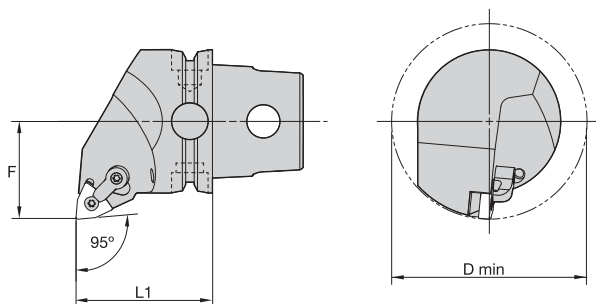

■ MVUN 93°

order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3738593	right hand KM50TSMVUNR16	50	1.969	35	1.378	70	2.756	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,63	1.38
3738562	left hand KM50TSMVUNL16	50	1.969	35	1.378	70	2.756	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,63	1.39

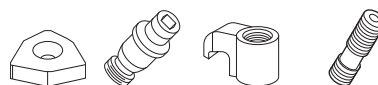


KM50TS™ Cutting Units

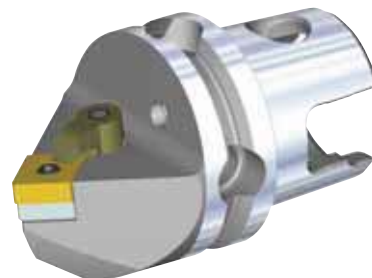
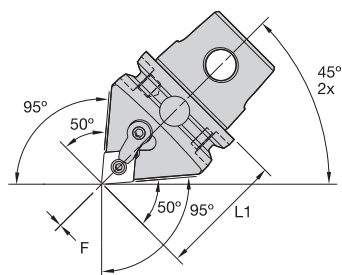
M-Clamping • M-Clamping Centerline



■ MWLN 95°



order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3738596	KM50TSMWLN08	50	1.969	35	1.378	70	2.756	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,64	1.41
	right hand													
3738595	KM50TSMWLN08	50	1.969	35	1.378	70	2.756	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,64	1.41
	left hand													

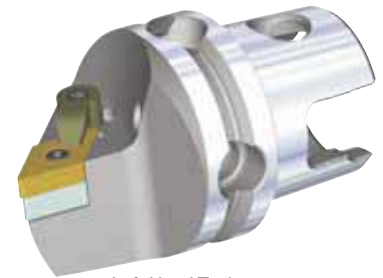
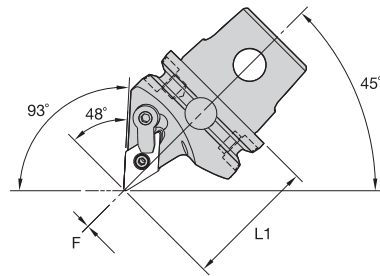


■ MCMN 50° • 95° Application • Centerline



order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738167	KM50TSMCMNN12	50	1.969	0	.000	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	0,47	1.03

NOTE: Use the KM63TSS5065 reducer to produce an L1 of 115mm.



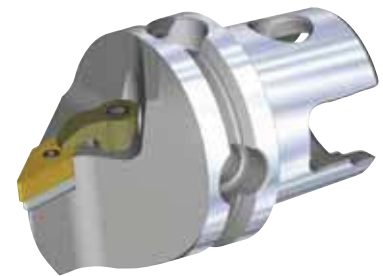
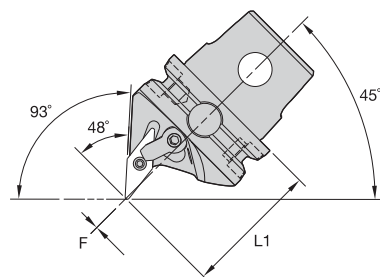
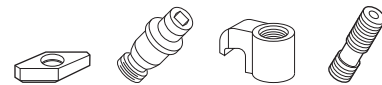
Left-Hand Tool

KM50TS Cutting Units

■ MDMN 48° • 93° Application • Centerline

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738154	KM50TSMMDMNL1504	50	1.969	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM20	STCM11	0,45	.98
3738155	KM50TSMMDMNL1506	50	1.969	0	.000	DN..150408/DN..432	IDSN432	KLM46L	CKM20	STCM11	0,44	.97

NOTE: Use the KM63TSS5065 reducer to produce an L1 of 115mm.

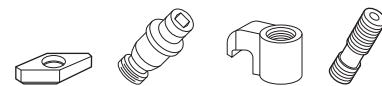


Left-Hand Tool

■ MVMN 48° • 93° Application • Centerline

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738561	left hand KM50TSMVMNL16	50	1.969	0	.000	VN..160408/VN..332	IVSN322	KLM34L	CKM20LP	STCM11	0,44	.98

NOTE: Use the KM63TSS5065 reducer to produce an L1 of 115mm.

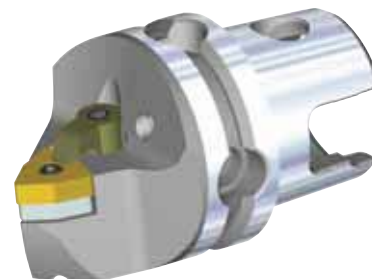
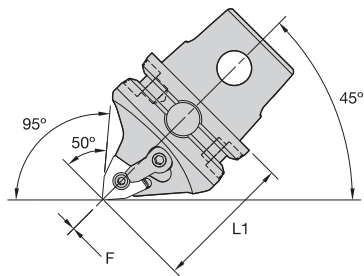


KM50TS™ Cutting Units

M-Clamping Centerline • P-Clamping



KM50TS Cutting Units



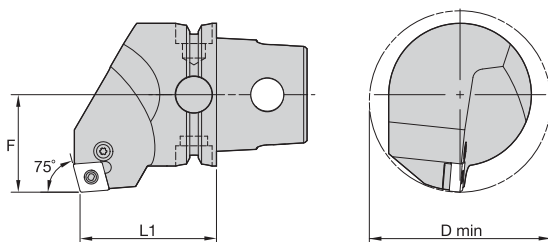
Left-Hand Tool

■ MWMN 50° • 95° Application • Centerline

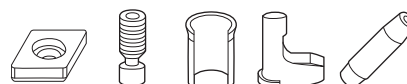


order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738598	KM50TSMWMNR08	50	1.969	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,49	1.08
	right hand											
3738597	KM50TSMWMNL08	50	1.969	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,49	1.08
	left hand											

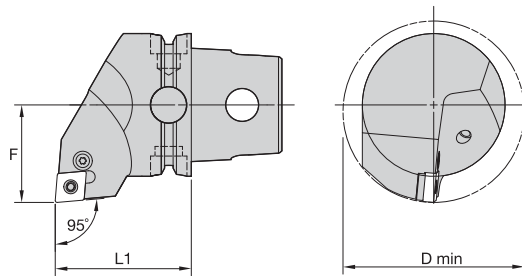
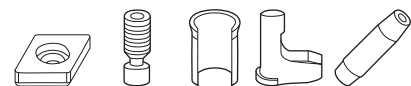
NOTE: Use the KM63TSS5065 reducer to produce an L1 of 115mm.



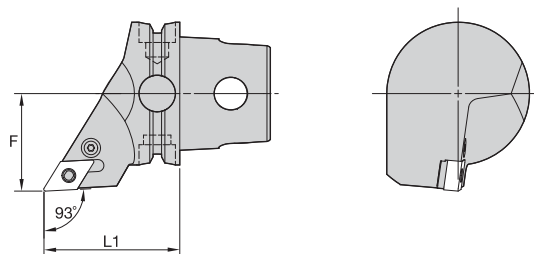
■ PCKN 75°



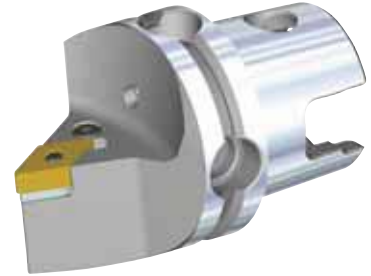
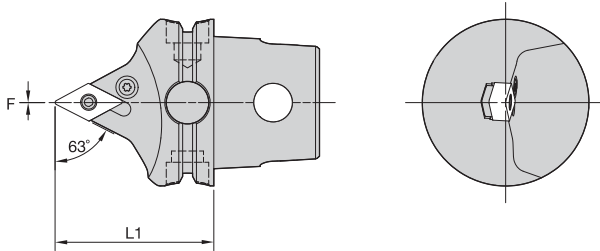
order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
3738514	KM50TSPCKNR12	50	1.969	35	1.378	63	2.480	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	0,68	1.50
	right hand														
3738513	KM50TSPCKNL12	50	1.969	35	1.378	63	2.480	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	0,68	1.50
	left hand														


■ PCLN 95°


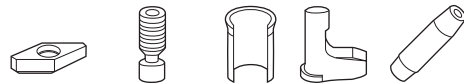
order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
3738517	right hand KM50TSPCLNR12	50	1.969	35	1.378	63	2.480	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	0,63	1.39
3738520	left hand KM50TSPCLNR16	50	1.969	35	1.378	63	2.480	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	0,63	1.38
3738516	right hand KM50TSPCLNL12	50	1.969	35	1.378	63	2.480	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	0,63	1.39
3738518	left hand KM50TSPCLNL16	50	1.969	35	1.378	63	2.480	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	0,63	1.38


■ PDJN 93°

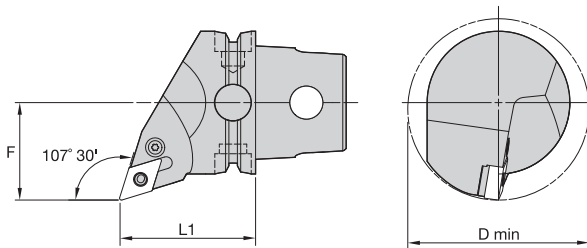

order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
3741390	right hand KM50TSPDJNR11	50	1.969	35	1.378	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,52	1.15
3741392	left hand KM50TSPDJNR15	50	1.969	35	1.378	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,51	1.12
3741362	right hand KM50TSPDJNL11	50	1.969	35	1.378	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,52	1.15
3741388	left hand KM50TSPDJNL15	50	1.969	35	1.378	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,51	1.12



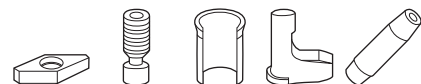
■ PDNN 63°



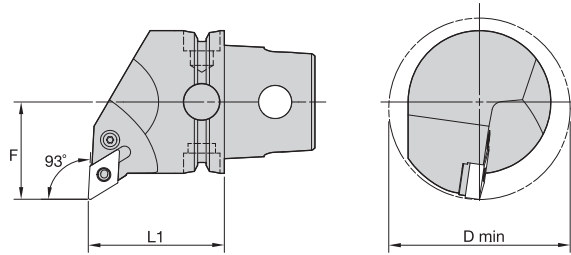
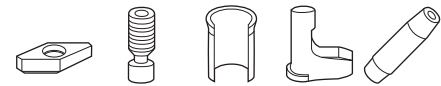
		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
3741394	right hand KM50TSPDNNR15	50	1.969	0	.000	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,42	.93
3741393	left hand KM50TSPDNNL15	50	1.969	0	.000	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,43	.94



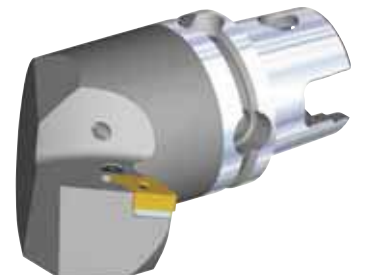
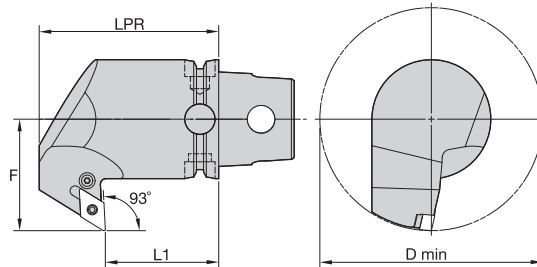
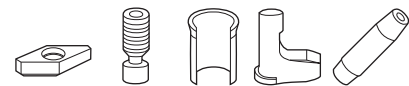
■ PDQN 107° 30'



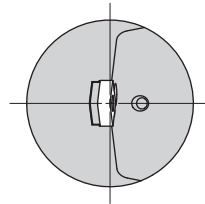
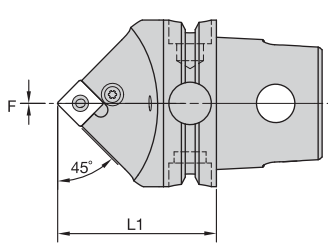
		L1		F		D min									
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
3741396	right hand KM50TSPDQNR11	50	1.969	35	1.378	63	2.480	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,57	1.25
3741395	left hand KM50TSPDQNL11	50	1.969	35	1.378	63	2.480	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,57	1.25


■ PDUN 93°


order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
3741398	right hand KM50TSPDUNR15	50	1.969	35	1.378	63	2.480	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,64	1.40
3741397	left hand KM50TSPDUNL15	50	1.969	35	1.378	63	2.480	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,64	1.40


■ PDXN 93°


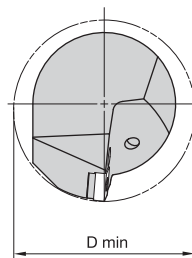
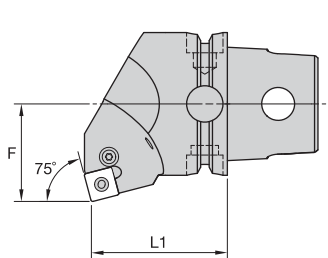
order number	catalog number	L1		LPR		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in	mm	in								
3741400	right hand KM50TSPDXNR15	50	1.969	75	2.953	52	2.047	104	4.095	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,17	2.57
3741399	left hand KM50TSPDXNL15	50	1.969	75	2.953	52	2.047	104	4.095	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,17	2.57



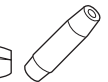
■ PSDN 45°



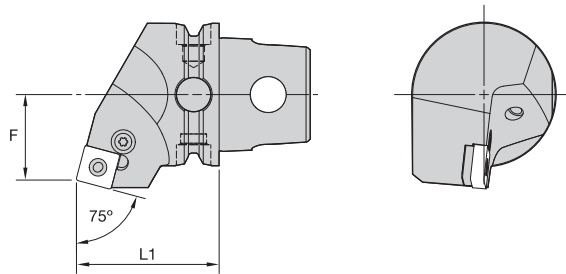
order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
3752980	KM50TSPSDNN12	50	1.969	0	.000	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,50	1.09
3752981	KM50TSPSDNN15	50	1.969	0	.000	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	0,50	1.08



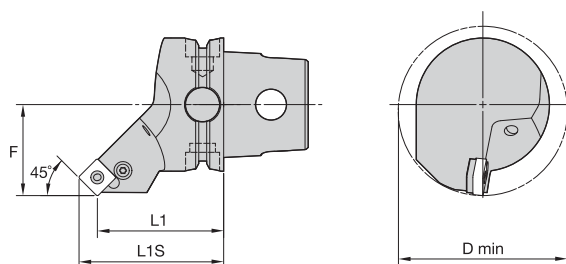
■ PSKN 75°



order number	catalog number	L1		F		D min	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in									
	right hand													
3753153	KM50TSPSKNR12	50	1.969	35	1.378	63 2.480	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,69	1.52
3753155	KM50TSPSKNR15	50	1.969	35	1.378	63 2.480	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	0,69	1.53
	left hand													
3752982	KM50TSPSKNL12	50	1.969	35	1.378	63 2.480	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,69	1.52
3753154	KM50TSPSKNL15	50	1.969	35	1.378	63 2.480	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	0,69	1.53


■ PSRN 75°


order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
	right hand												
3752977	KM50TSPSRNR12	50	1.969	30	1.181	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,61	1.34
3752979	KM50TSPSRNR15	50	1.969	30	1.181	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	0,60	1.31
	left hand												
3752976	KM50TSPSRNL12	50	1.969	30	1.181	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,61	1.34
3752978	KM50TSPSRNL15	50	1.969	30	1.181	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	0,60	1.31


■ PSSN 45°

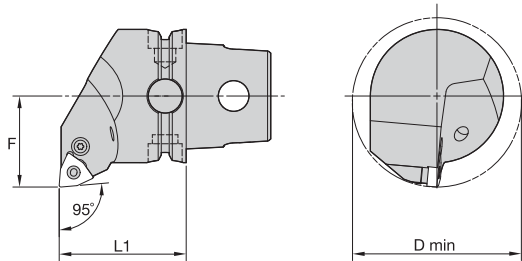

order number	catalog number	L1		L1S		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in	mm	in								
	right hand																
3753157	KM50TSPSSNR12	50	1.969	58,3	2.30	35	1.38	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,55	1.22
	left hand																
3753156	KM50TSPSSNL12	50	1.969	58,3	2.30	35	1.38	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,55	1.22

KM50TS™ Cutting Units

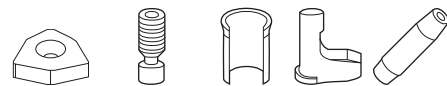
P-Clamping • S-Clamping

WIDIA

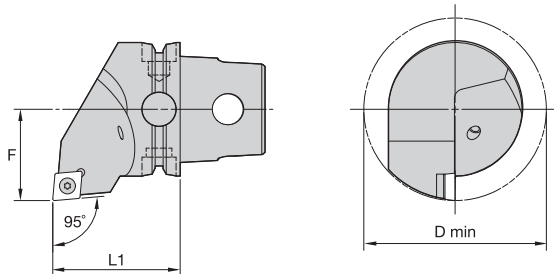
KM50TS Cutting Units



■ PWLN 95°



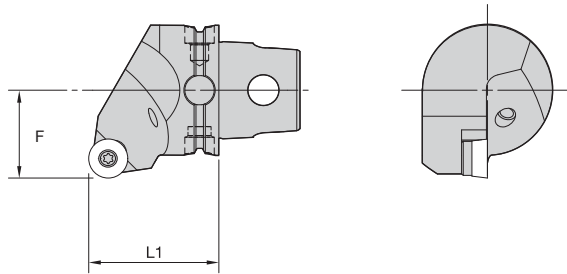
order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
3753159	KM50TSPWLNRO8	50	1.969	35	1.378	63	2.480	WN..080408/WN..432	512.135	514.123	513.023	511.023	515.018	0,67	1.48
	right hand														
3753158	KM50TSPWLNLO8	50	1.969	35	1.378	63	2.480	WN..080408/WN..432	512.135	514.123	513.023	511.023	515.018	0,67	1.48
	left hand														



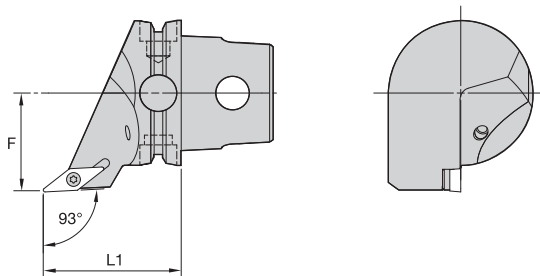
■ SCLC 95°



order number	catalog number	L1		F		D min		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in						
3746594	KM50TSSCLCR12	50	1.969	35	1.378	70	2.756	CC..120408/CC..432	MS1158	SKCP453	SRS4	0,64	1.40
	right hand												
3746593	KM50TSSCLCL12	50	1.969	35	1.378	70	2.756	CC..120408/CC..432	MS1158	SKCP453	SRS4	0,64	1.40
	left hand												

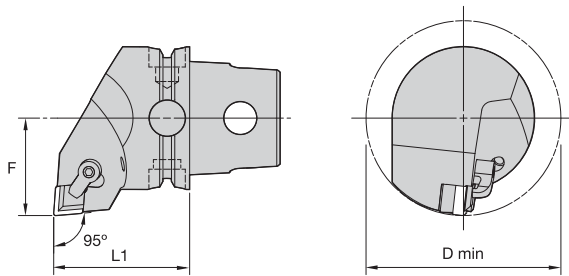

SRGC 0°

order number	catalog number	L1		F		gage insert	insert screw	shim	shim screw	kg lbs	
		mm	in	mm	in						
	right hand										
3746595	KM50TSSRGCR12	50	1.969	35	1.378	RC..1204M0	MS1156	SKRN1203M0	SRS3	0,65	1.43
	left hand										
3838582	KM50TSSRGCL12	50	1.969	35	1.378	RC..1204M0	MS1156	SKRN1203M0	SRS3	0,65	1.43


SVJB 93°

order number	catalog number	L1		F		gage insert	insert screw	shim	shim screw	kg lbs	
		mm	in	mm	in						
	right hand										
3746597	KM50TSSVJBR16	50	1.969	35	1.378	VB..160408/VB..332	MS1156	SKVN343	SRS3	0,51	1.13
	left hand										
3746596	KM50TSSVJBL16	50	1.969	35	1.378	VB..160408/VB..332	MS1156	SKVN343	SRS3	0,51	1.13

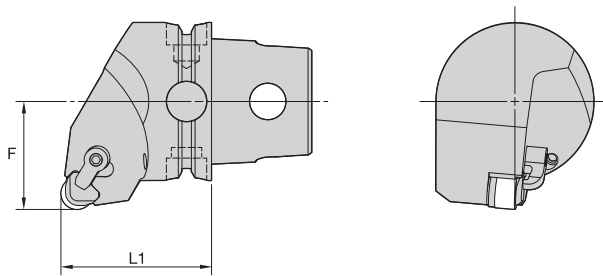
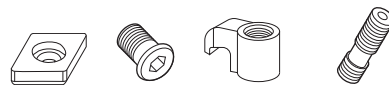




■ CCLN 95°

order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3746732	KM50TSCCLNR12	50	1.969	35	1.378	70	2.756	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	0,70	1.55
3746726	KM50TSCCLNL12	50	1.969	35	1.378	70	2.756	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	0,70	1.54

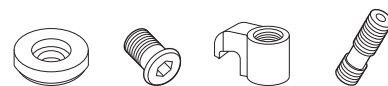
NOTE: Chipbreakers must be ordered separately. Chipbreaker catalog number is CBD-16F.

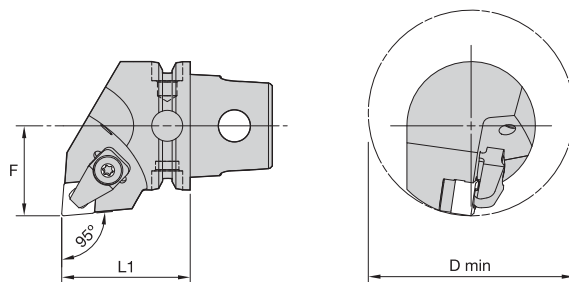


■ CRGN 0°

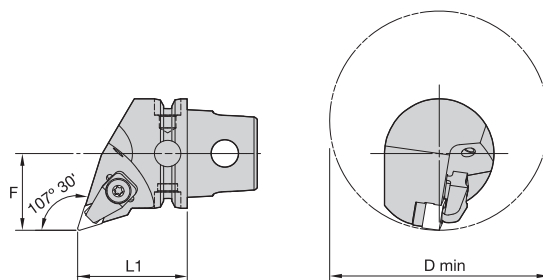
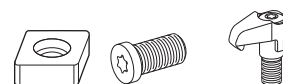
order number	catalog number	L1		F		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3746739	KM50TSCRGNR12	50	1.969	35	1.378	RN..120700/RN.45	IRSN42	KMS4	CKM23	STCM11	0,67	1.47
3746735	KM50TSCRGNL12	50	1.969	35	1.378	RN..120700/RN.45	IRSN42	KMS4	CKM23	STCM11	0,67	1.47

NOTE: Chipbreakers must be ordered separately. Chipbreaker catalog number is CBR-16.

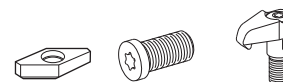



■ CCLN • MX 95°

order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in	mm	in						
3746972	KM50TSCCLNR12MX7	50	1.969	35	1.378	80	3.150	CN.X120708/CN.X452	552.221	554.260	551.326	0,67	1.48
3746966	KM50TSCCLNL12MX7	50	1.969	35	1.378	80	3.150	CN.X120708/CN.X452	552.221	554.260	551.326	0,67	1.48

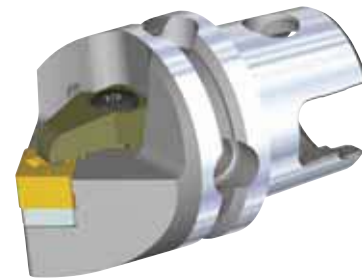
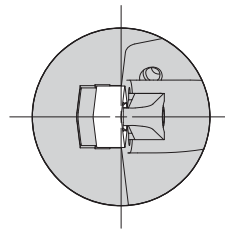
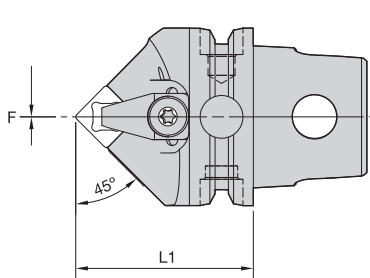

■ CDQN • MX 107° 30'

order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp screw	kg	lbs
		mm	in	mm	in	mm	in						
3746978	KM50TSCDQNR12MX7	50	1.969	35	1.378	100	3.937	DNGX120708	552.225	554.254	551.326	0,60	1.31
3746975	KM50TSCDQNL12MX7	50	1.969	35	1.378	100	3.937	DNGX120708	552.225	554.254	551.326	0,60	1.31



KM50TS™ Cutting Units

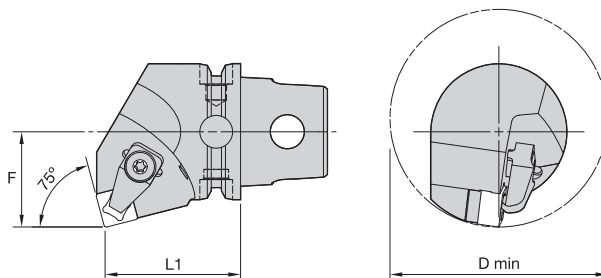
C-MX-Clamping



■ CSDN • MX 45°



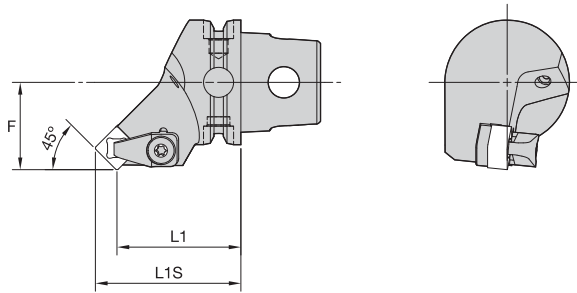
order number	catalog number	L1		F		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in						
3746980	KM50TSCSDNN12MX7	50	1.969	0	.000	SN.X120708/SN.X452	552.232	554.260	551.326	0,52	1.15



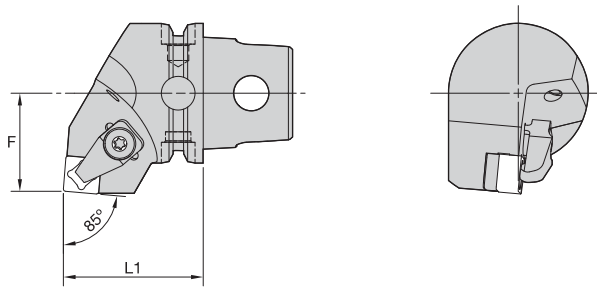
■ CSKN • MX 75°



order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in	mm	in						
3746986	KM50TSCSKNR12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232	554.260	551.326	0,74	1.62
3746984	KM50TSCSKNL12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232	554.260	551.326	0,74	1.62


■ CSSN • MX 45°


order number	catalog number	L1		L1S		F		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in	mm	in						
	right hand												
3746992	KM50TSCSSNR12MX7	50	1.969	58	2.297	35	1.378	SN.X120708/SN.X452	552.232	554.252	551.326	0,60	1.32
	left hand												
3746989	KM50TSCSSNL12MX7	50	1.969	58	2.297	35	1.378	SN.X120708/SN.X452	552.232	554.252	551.326	0,60	1.32


■ CSXN • MX 85°

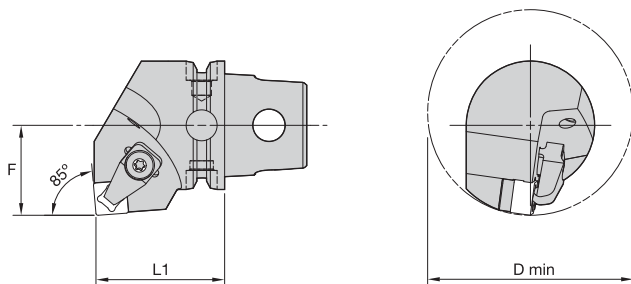

order number	catalog number	L1		F		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in						
	right hand										
3746998	KM50TSCSXNR12MX7	50	1.969	35	1.378	SN.X120708/SN.X452	552.232	554.260	551.326	0,67	1.48
	left hand										
3746996	KM50TSCSXNL12MX7	50	1.969	35	1.378	SN.X120708/SN.X452	552.232	554.260	551.326	0,67	1.48

KM50TS™ Cutting Units

C-MX-Clamping • TopThread™ and TopGroove™

WIDIA

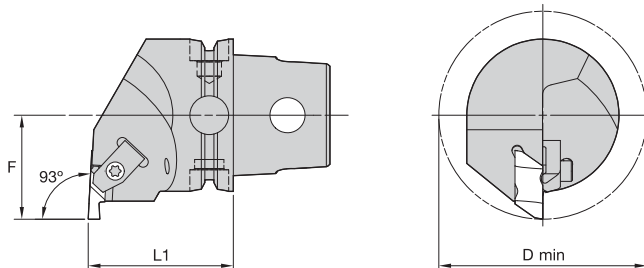
KM50TS Cutting Units



■ CSYN • MX 85°



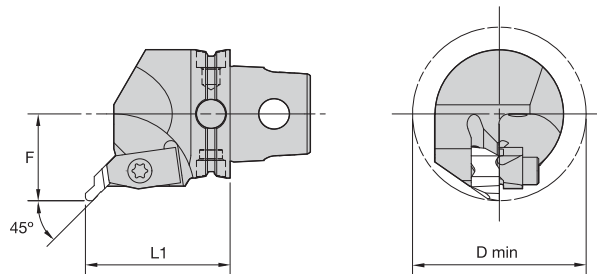
		L1		F		D min							
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	shim screw	clamp assembly	kg	lbs
3747004	right hand KM50TSCSYNR12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232	554.260	551.326	0,73	1.60
3747001	left hand KM50TSCSYNL12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232	554.260	551.326	0,73	1.60



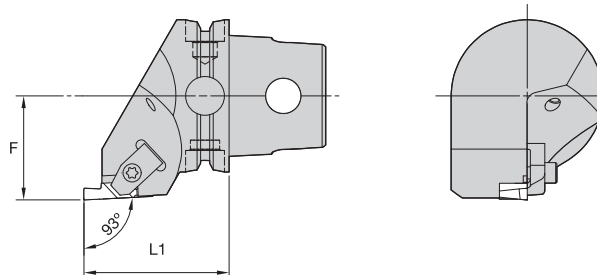
■ NE 93°



		L1		F		D min						
order number	catalog number	mm	in	mm	in	mm	in	gage insert	clamp	clamp screw	kg	lbs
3753584	right hand KM50TSNER3	50	1.969	35	1.378	70	2.756	NG3L	CM73	MS1489	0,63	1.39
3753585	KM50TSNER4	50	1.969	35	1.378	70	2.756	NG4L	CM73	MS1489	0,63	1.39
	left hand											
3753572	KM50TSNEL3	50	1.969	35	1.378	70	2.756	NG3R	CM72	MS1489	0,65	1.42
3753583	KM50TSNEL4	50	1.969	35	1.378	70	2.756	NG4R	CM72	MS1489	0,63	1.39

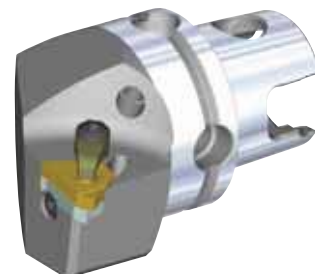
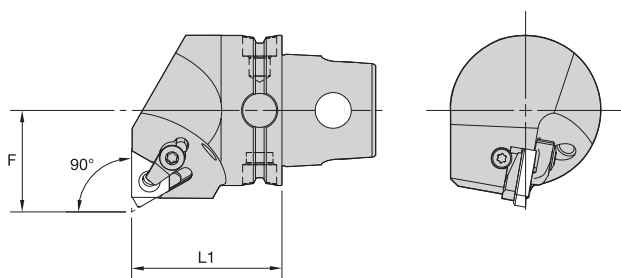

■ NR 45°

		L1		F		D min						
order number	catalog number	mm	in	mm	in	mm	in	gage insert	clamp	clamp screw	kg	lbs
3753587	right hand KM50TSNRR3	50	1.969	35	1.378	70	2.756	NU3L	CM73	MS1489	0,57	1.26
3753586	left hand KM50TSNRL3	50	1.969	35	1.378	70	2.756	NU3R	CM72	MS1489	0,57	1.26


■ NS 93°

		L1		F						
order number	catalog number	mm	in	mm	in	gage insert	clamp	clamp screw	kg	lbs
	right hand									
3753590	KM50TSNSR3	50	1.969	35	1.378	NG3R	CM72	MS1489	0,59	1.29
3753591	KM50TSNSR4	60	2.362	35	1.378	NG4R	CM72	MS1489	0,69	1.53
	left hand									
3753588	KM50TSNSL3	50	1.969	35	1.378	NG3L	CM73	MS1489	0,59	1.29
3753589	KM50TSNSL4	60	2.362	35	1.378	NG4L	CM73	MS1489	0,70	1.54

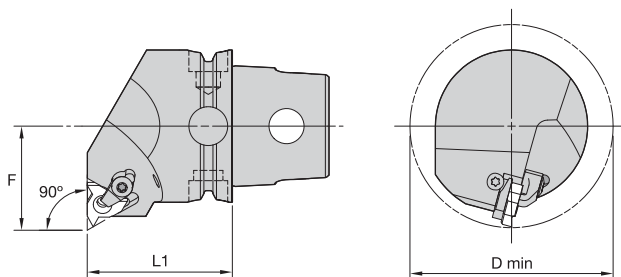




■ LSE-E 90° • External Only

		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	insert screw	shim	shim screw	clamp assembly	kg	lbs	
right hand													
3753566	KM50TSLSER16E	50	1.969	35	1.378	LT16EL	SSA3T	SMYI3	SSY3T	CKC3	0,68	1.51	
3959391	KM50TSLSER27E	50	1.969	35	1.378	LT27EL	SSA5T	SMYI5	SSY5T	CKC5	0,70	1.55	
left hand													
3753565	KM50TSLSEL16E	50	1.969	35	1.378	LT16ER	SSA3T	SMYE3	SSY3T	CKC3	0,68	1.51	
3959390	KM50TSLSEL27E	50	1.969	35	1.378	LT27ER	SSA5T	SMYE5	SSY5T	CKC5	0,70	1.55	

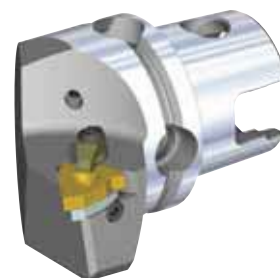
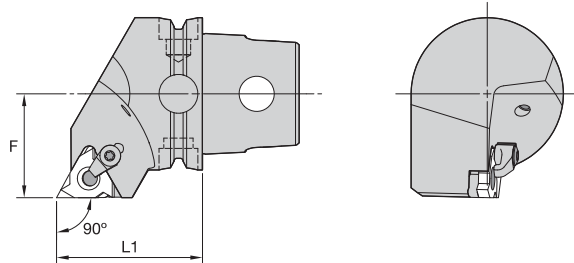
NOTE: Cutting units are supplied with insert screw and clamp assembly. However, tools are designed to use either the insert screw or the clamp assembly, not both.



■ LSE-N 90° • Internal Only

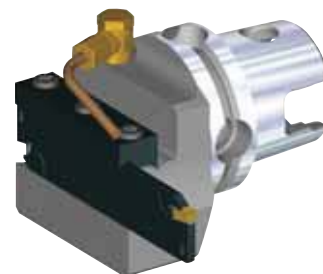
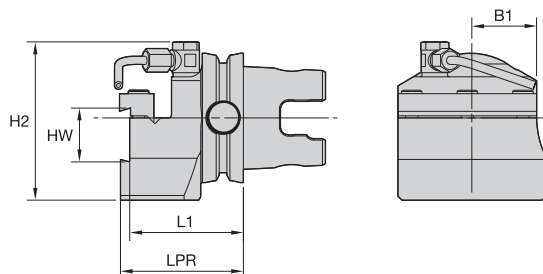
		L1		F		D min									
order number	catalog number	mm	in	mm	in	mm	in	gage insert	insert screw	shim	shim screw	clamp assembly	kg	lbs	
right hand															
3753567	KM50TSLSER16N	50	1.969	35	1.378	70	2.756	LT16NR	SSA3T	SMYI3	SSY3T	CKC3	0,68	1.51	
3753568	KM50TSLSER22N	50	1.969	35	1.378	70	2.756	LT22NR	SSA4T	SMYI4	SSY4T	CKC4	0,67	1.49	
3959393	KM50TSLSER27N	50	1.969	35	1.378	70	2.756	LT27NR	SSA5T	SMYI5	SSY5T	CKC5	0,72	1.59	
left hand															
3867563	KM50TSLSEL16N	50	1.969	35	1.378	70	2.756	LT16NL	SSA3T	SMYE3	SSY3T	CKC3	0,69	1.51	
3867564	KM50TSLSEL22N	50	1.969	35	1.378	70	2.756	LT22NL	SSA4T	SMYE4	SSY4T	CKC4	0,68	1.49	
3959392	KM50TSLSEL27N	50	1.969	35	1.378	70	2.756	LT27NL	SSA5T	SMYE5	SSY5T	CKC5	0,72	1.59	

NOTE: Cutting units are supplied with insert screw and clamp assembly. However, tools are designed to use either the insert screw or the clamp assembly, not both.


■ LSS 90°

		L1 F										
order number	catalog number	mm	in	mm	in	gage insert	insert screw	shim	shim screw	clamp assembly	kg	lbs
right hand												
3753570	KM50TSLSSR16	50	1.969	35	1.378	LT16ER	SSA3T	SMYE3	SSY3T	CKC3	0,60	1.33
3753571	KM50TSLSSR22	50	1.969	35	1.378	LT22ER	SSA4T	SMYE4	SSY4T	CKC4	0,59	1.30
3959395	KM50TSLSSR27	50	1.969	35	1.378	LT27ER	SSA5T	SMYE5	SSY5T	CKC5	0,61	1.34
left hand												
3753569	KM50TSLSSL16	50	1.969	35	1.378	LT16EL	SSA3T	SMYI3	SSY3T	CKC3	0,60	1.31
3959394	KM50TSLSSL27	50	1.969	35	1.378	LT27EL	SSA5T	SMYI5	SSY5T	CKC5	0,63	1.38

NOTE: Cutting units are supplied with insert screw and clamp assembly. However, tools are designed to use either the insert screw or the clamp assembly, not both.



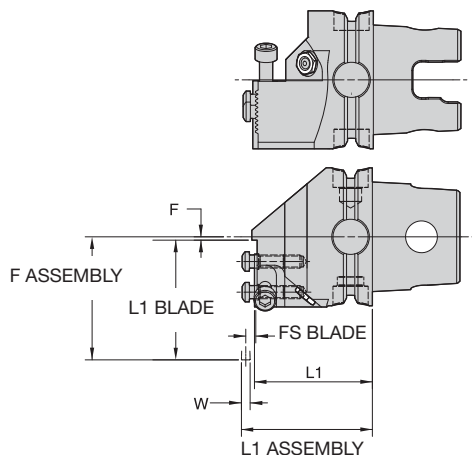
■ BE • End Mount

order number	catalog number	L1		LPR		H2		HW		B1		cartridge size	cartridge 1	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in				
3747118	right hand KM50TSBER	54,9	2.162	60	2.36	61	2.40	26	1.02	25	.98	26	A2BNSN26...	1,30	2.86
3747117	left hand KM50TSBEL	54,9	2.162	60	2.36	61	2.40	26	1.02	25	.98	26	A2BNSN26...	1,30	2.86

■ Spare Parts

catalog number				
right hand KM50TSBER	clamp	clamp screw	coolant tube	coolant swivel base
	CGS4	MS1595	12649910900	12649910800
left hand KM50TSBEL	CGS4	MS1595	12649910900	12649910800

NOTE: For cut-off blades, see the WIDIA Turning (A-09-02078) catalog.

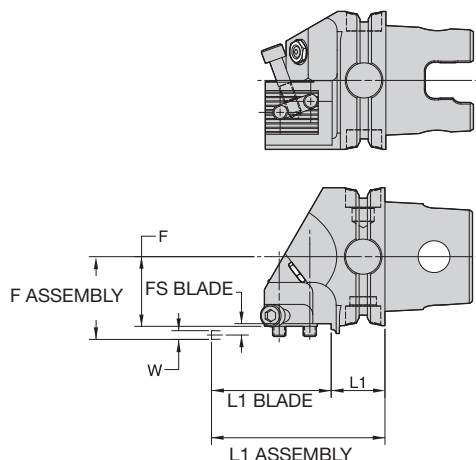


F ASSEMBLY = L1 BLADE - F
L1 ASSEMBLY = W/2 + L1 + FS BLADE - 0,787mm

■ WGME

order number	catalog number	L1		F		button-head cap screw	nozzle	socket-head cap screw	kg	lbs
		mm	in	mm	in					
3949882	right hand					606256	PMT08430	MS337	0,79	1.73
	KM50TSWGMER55M	53,79	2.118	-4,98	-0.196					
3949893	left hand					606256	PMT08430	MS337	0,78	1.73
	KM50TSWGMEL55M	53,79	2.118	-4,98	-0.196					

NOTE: For SLS cartridges and WMT insert, see the WIDIA Turning (A-09-02078) catalog.
Right-hand cutting units use left-hand cartridges.

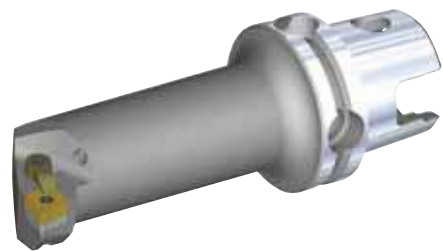
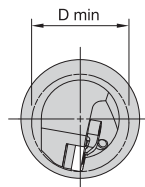
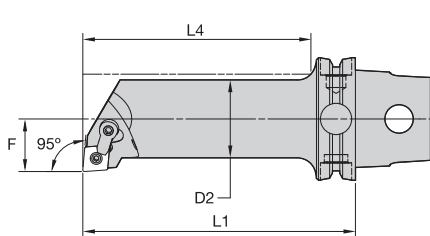


F ASSEMBLY = W/2 + F + FS BLADE - 0,787mm
L1 ASSEMBLY = L1 + L1 BLADE

■ WGMS

order number	catalog number	L1		F		nozzle	socket-head cap screw	kg	lbs
		mm	in	mm	in				
3949880	right hand					PMT08430	MS1132PKG	0,74	1.64
	KM50TSWGMSR55M	24,52	.965	23,79	.937				
3949881	left hand					PMT08430	MS1132PKG	0,74	1.64
	KM50TSWGMSL55M	24,52	.965	23,79	.937				

NOTE: For SLS cartridges and WMT insert, see the WIDIA Turning (A-09-02078) catalog.
Right-hand cutting units use right-hand cartridges.



■ MCLN 95°

		D2		D min		F		L4		L1					
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs	
right hand															
3753688	KM50TSS25DMCLNR12	25	.98	32	1.26	17	.669	38	1.51	60	2.362	CN..120408/CN..432	0,48	1.06	
3753690	KM50TSS25EMCLNR12	25	.98	32	1.26	17	.669	49	1.94	70	2.756	CN..120408/CN..432	0,51	1.13	
3753692	KM50TSS25JMCLNR12	25	.98	32	1.26	17	.669	87	3.43	110	4.331	CN..120408/CN..432	0,67	1.48	
3753694	KM50TSS32FMCLNR12	32	1.26	40	1.57	22	.866	60	2.38	80	3.150	CN..120408/CN..432	0,67	1.48	
3753696	KM50TSS32GMCLNR12	32	1.26	40	1.57	22	.866	70	2.77	90	3.543	CN..120408/CN..432	0,78	1.61	
3753698	KM50TSS32KMCLNR12	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	CN..120408/CN..432	1,00	2.20	
3753668	KM50TSS40HMCLNR12	40	1.57	50	1.97	27	1.063	81	3.20	100	3.937	CN..120408/CN..432	1,03	2.27	
3753670	KM50TSS40JMCLNR12	40	1.57	50	1.97	27	1.063	91	3.59	110	4.331	CN..120408/CN..432	1,13	2.49	
3753684	KM50TSS40LMCLNR16	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	CN..160612/CN..543	1,44	3.17	
3753683	KM50TSS40LMCLNR12	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	CN..120408/CN..432	1,42	3.14	
3753686	KM50TSS50LMCLNR12	50	1.97	63	2.48	35	1.378	140	5.51	140	5.512	CN..120408/CN..432	2,00	4.41	
left hand															
3753687	KM50TSS25DMCLNL12	25	.98	32	1.26	17	.669	38	1.51	60	2.362	CN..120408/CN..432	0,48	1.06	
3753689	KM50TSS25EMCLNL12	25	.98	32	1.26	17	.669	49	1.94	70	2.756	CN..120408/CN..432	0,51	1.13	
3753691	KM50TSS25JMCLNL12	25	.98	32	1.26	17	.669	87	3.43	110	4.331	CN..120408/CN..432	0,67	1.48	
3753693	KM50TSS32FMCLNL12	32	1.26	40	1.57	22	.866	60	2.38	80	3.150	CN..120408/CN..432	0,67	1.48	
3753695	KM50TSS32GMCLNL12	32	1.26	40	1.57	22	.866	70	2.77	90	3.543	CN..120408/CN..432	0,78	1.61	
3753697	KM50TSS32KMCLNL12	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	CN..120408/CN..432	1,00	2.20	
3753667	KM50TSS40HMCLNL12	40	1.57	50	1.97	27	1.063	81	3.20	100	3.937	CN..120408/CN..432	1,03	2.27	
3753669	KM50TSS40JMCLNL12	40	1.57	50	1.97	27	1.063	91	3.59	110	4.331	CN..120408/CN..432	1,13	2.48	
3753672	KM50TSS40LMCLNL16	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	CN..160612/CN..543	1,44	3.17	
3753671	KM50TSS40LMCLNL12	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	CN..120408/CN..432	1,42	3.13	
3753685	KM50TSS50LMCLNL12	50	1.97	63	2.48	35	1.378	140	5.51	140	5.512	CN..120408/CN..432	2,00	4.41	

(continued)

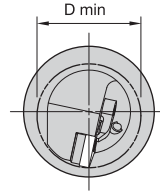
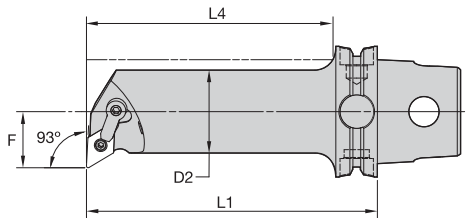
(MCLN 95° continued)

■ Spare Parts

				
catalog number	shim	lock pin	clamp	clamp screw
right hand				
KM50TSS25DMCLNR12	—	KLM43	CKM20LP	STCM11
KM50TSS25EMCLNR12	—	KLM43	CKM20LP	STCM11
KM50TSS25JMCLNR12	—	KLM43	CKM20LP	STCM11
KM50TSS32FMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS32GMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS32KMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40HMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40JMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40LMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40LMCLNR16	ICSN533	KLM58	CKM20LP	STCM11
KM50TSS50LMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
left hand				
KM50TSS25DMCLNL12	—	KLM43	CKM20LP	STCM11
KM50TSS25EMCLNL12	—	KLM43	CKM20LP	STCM11
KM50TSS25JMCLNL12	—	KLM43	CKM20LP	STCM11
KM50TSS32FMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS32GMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS32KMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40HMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40JMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40LMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM50TSS40LMCLNL16	ICSN533	KLM58	CKM20LP	STCM11
KM50TSS50LMCLNL12	ICSN432	KLM46	CKM20LP	STCM11

KM50TS™ Internal Cutting Units

M-Clamping



■ MDUN 93°

		D2		D min		F		L4		L1					
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs	
right hand															
3753598	KM50TSS25DMDUNR15	25	.98	32	1.26	17	.669	38	1.51	60	2.362	DN..150408/DN..432	0,47	1.03	
3753601	KM50TSS25JMDUNR15	25	.98	32	1.26	17	.669	87	3.43	110	4.331	DN..150408/DN..432	0,66	1.46	
3753603	KM50TSS32FMDUNR15	32	1.26	40	1.57	22	.866	60	2.38	80	3.150	DN..150408/DN..432	0,66	1.46	
3753605	KM50TSS32GMDUNR15	32	1.26	40	1.57	22	.866	70	2.77	90	3.543	DN..150408/DN..432	0,72	1.59	
3753607	KM50TSS32KMDUNR15	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	DN..150408/DN..432	0,99	2.18	
3753485	KM50TSS40HMDUNR15	40	1.57	50	1.97	27	1.063	81	3.20	100	3.937	DN..150408/DN..432	1,03	2.27	
3753490	KM50TSS40JMDUNR15	40	1.57	50	1.97	27	1.063	91	3.59	110	4.331	DN..150408/DN..432	1,13	2.49	
3753493	KM50TSS40LMDUNR15	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	DN..150408/DN..432	1,42	3.12	
left hand															
3753597	KM50TSS25DMDUNL15	25	.98	32	1.26	17	.669	38	1.51	60	2.362	DN..150408/DN..432	0,47	1.03	
3753599	KM50TSS25EMDUNL15	25	.98	32	1.26	17	.669	48	1.90	70	2.756	DN..150408/DN..432	0,51	1.11	
3753600	KM50TSS25JMDUNL15	25	.98	32	1.26	17	.669	87	3.43	110	4.331	DN..150408/DN..432	0,66	1.45	
3753602	KM50TSS32FMDUNL15	32	1.26	40	1.57	22	.866	60	2.38	80	3.150	DN..150408/DN..432	0,66	1.46	
3753604	KM50TSS32GMDUNL15	32	1.26	40	1.57	22	.866	70	2.77	90	3.543	DN..150408/DN..432	0,72	1.59	
3753606	KM50TSS32KMDUNL15	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	DN..150408/DN..432	0,99	2.18	
3753480	KM50TSS40HMDUNL15	40	1.57	50	1.97	27	1.063	81	3.20	100	3.937	DN..150408/DN..432	1,03	2.28	
3753488	KM50TSS40JMDUNL15	40	1.57	50	1.97	27	1.063	91	3.59	110	4.331	DN..150408/DN..432	1,13	2.49	
3753492	KM50TSS40LMDUNL15	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	DN..150408/DN..432	1,42	3.12	

(continued)



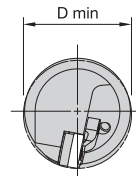
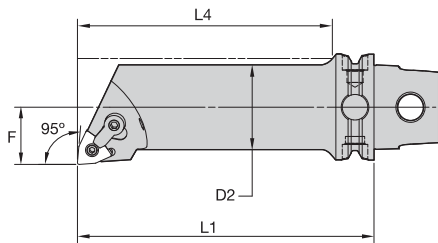
(MDUN 93° continued)

■ Spare Parts

catalog number	 shim	 lock pin	 clamp	 clamp screw
right hand				
KM50TSS25DMDUNR15	—	KLM43	CKM20LP	STCM11
KM50TSS25JMDUNR15	—	KLM43	CKM20LP	STCM11
KM50TSS32FMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS32GMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS32KMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS40HMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS40JMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS40LMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
left hand				
KM50TSS25DMDUNL15	—	KLM43	CKM20LP	STCM11
KM50TSS25EMDUNL15	—	KLM43	CKM20LP	STCM11
KM50TSS25JMDUNL15	—	KLM43	CKM20LP	STCM11
KM50TSS32FMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS32GMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS32KMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS40HMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS40JMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM50TSS40LMDUNL15	IDSN432	KLM46	CKM23LP	STCM11

KM50TS™ Internal Cutting Units

M-Clamping

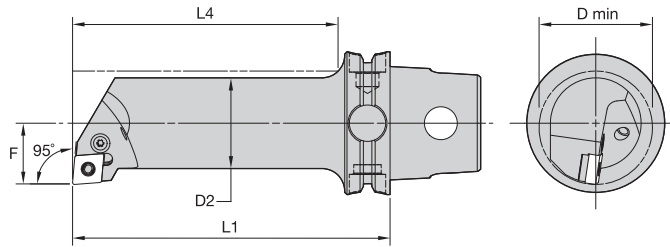


■ MWLN 95°

		D2		D min		F		L4		L1				
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs
right hand														
3747121	KM50TSS25JMWLNR08	25	.98	32	1.26	17	.669	87	3.43	110	4.331	WN..080408/WN..432	0,67	1.48
3747123	KM50TSS32KMWLNR08	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	WN..080408/WN..432	0,99	2.17
3747120	KM50TSS40LMWLNR08	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	WN..080408/WN..432	1,40	3.08
left hand														
3747122	KM50TSS25JMWLNL08	25	.98	32	1.26	17	.669	87	3.43	110	4.331	WN..080408/WN..432	0,67	1.47
3747119	KM50TSS40LMWLNL08	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	WN..080408/WN..432	1,40	3.08

■ Spare Parts

				
catalog number	shim	lock pin	clamp	clamp screw
right hand				
KM50TSS25JMWLNR08	—	KLM43	CKM20LP	STCM11
KM50TSS32KMWLNR08	IWSN433	KLM46	CKM20LP	STCM11
KM50TSS40LMWLNR08	IWSN433	KLM46	CKM20LP	STCM11
left hand				
KM50TSS25JMWLNL08	—	KLM43	CKM20LP	STCM11
KM50TSS40LMWLNL08	IWSN433	KLM46	CKM20LP	STCM11

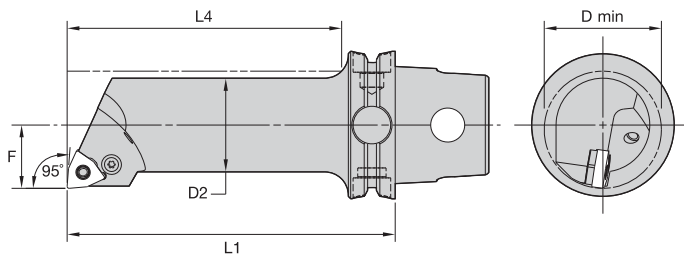


■ PCLN 95°

order number	catalog number	D2		D min		F		L4		L1		gage insert	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in			
	right hand													
3789272	KM50TSS25JPCLNR12	25	.98	32	1.26	17	.669	88	3.48	110	4.331	CN..120408/CN..432	0,66	1.46
3789294	KM50TSS32KPCLNR12	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	CN..120408/CN..432	0,99	2.17
	left hand													
3789270	KM50TSS25GPCLNL12	25	.98	32	1.26	17	.669	70	2.77	90	3.543	CN..120408/CN..432	0,57	1.26
3789271	KM50TSS25JPCLNL12	25	.98	32	1.26	17	.669	88	3.48	110	4.331	CN..120408/CN..432	0,66	1.46
3789293	KM50TSS32KPCLNL12	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	CN..120408/CN..432	0,99	2.17

■ Spare Parts

catalog number	shim	lever screw	shim pin	toggle lever	punch
right hand					
KM50TSS25JPCLNR12	—	514.122	—	511.022	515.018
KM50TSS32KPCLNR12	512.112	514.123	513.023	511.023	515.018
left hand					
KM50TSS25GPCLNL12	—	514.122	—	511.022	515.018
KM50TSS25JPCLNL12	—	514.122	—	511.022	515.018
KM50TSS32KPCLNL12	512.112	514.123	513.023	511.023	515.018

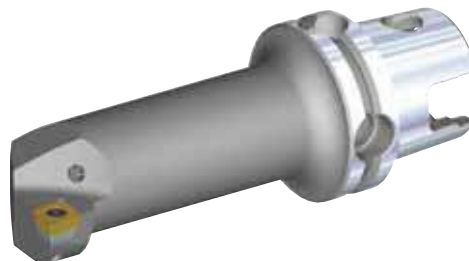
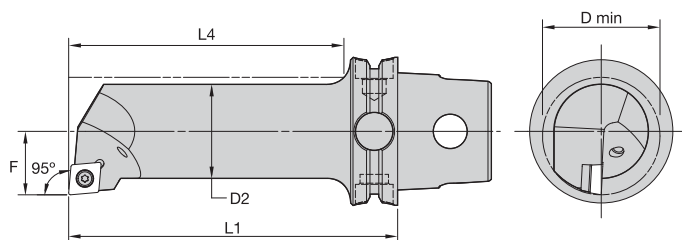


■ PWLN 95°

order number	catalog number	D2		D min		F		L4		L1		gage insert	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in			
3789296	right hand KM50TSS40LPWLN08	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	WN..080408/WN..432	1,39	3.07
3789295	left hand KM50TSS40LPWLN08	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	WN..080408/WN..432	1,39	3.07

■ Spare Parts

catalog number					
	shim	lever lock screw	shim pin	toggle lever	punch
right hand KM50TSS40LPWLN08	512.135	514.123	513.023	511.023	515.018
left hand KM50TSS40LPWLN08	512.135	514.123	513.023	511.023	515.018



■ SCLC 95°

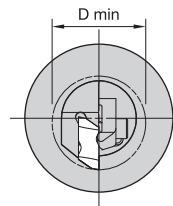
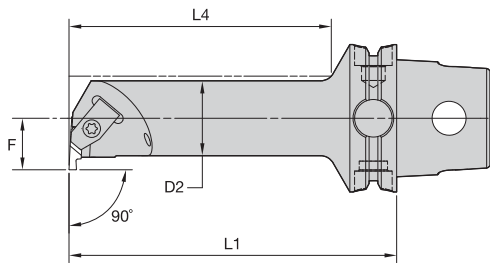
order number	catalog number left hand	D2		D min		F		L4		L1		gage insert	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in			
3838715	KM50TSS32GSCLCL12	32	1.26	40	1.57	22	.866	70	2.756	90	3.543	CC..120408/CC..432	0,72	1.58

■ Spare Parts

catalog number left hand	insert screw	shim	shim screw
KM50TSS32GSCLCL12	MS1158	SKCP453	SRS4

KM50TS™ Internal Cutting Units

TopThread™ and TopGroove™



■ NE 90° • Steel

		D2		D min		F		L4		L1				
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs
right hand														
3790585	KM50TSS12ENER2	12	.47	19	.73	11	.433	42	1.654	70	2.756	NG2L	0,44	.97
3790583	KM50TSS16FNER2	16	.63	20	.79	11	.433	56	2.211	80	3.150	NG2L	0,44	.97
3790587	KM50TSS20HNER2	20	.79	25	.98	13	.512	70	2.769	100	3.937	NG2L	0,58	1.28
3790589	KM50TSS25JNER3	25	.98	34	1.34	17	.669	88	3.469	110	4.331	NG3L	0,67	1.48
3790591	KM50TSS32GNER3	32	1.26	40	1.57	22	.866	70	2.774	90	3.543	NG3L	0,71	1.57
3790593	KM50TSS32KNER3	32	1.26	40	1.57	22	.866	96	3.790	125	4.921	NG3L	0,97	2.14
3790595	KM50TSS40JNER4	40	1.57	50	1.97	27	1.063	91	3.593	110	4.331	NG4L	1,09	2.41
3790599	KM50TSS40LNER4	40	1.57	50	1.97	27	1.063	120	4.738	140	5.512	NG4L	1,39	3.06
3790598	KM50TSS40LNER3	40	1.57	50	1.97	27	1.063	120	4.738	140	5.512	NG3L	1,40	3.09
left hand														
3790584	KM50TSS12ENEL2	12	.47	19	.73	11	.433	42	1.654	70	2.756	NG2R	0,44	.97
3790291	KM50TSS16FNEL2	16	.63	20	.79	11	.433	56	2.211	80	3.150	NG2R	0,44	.97
3790586	KM50TSS20HNEL2	20	.79	25	.98	13	.512	70	2.769	100	3.937	NG2R	0,58	1.28
3790588	KM50TSS25JNEL3	25	.98	34	1.34	17	.669	88	3.469	110	4.331	NG3R	0,67	1.48
3790590	KM50TSS32GNEL3	32	1.26	40	1.57	22	.866	70	2.774	90	3.543	NG3R	0,71	1.57
3790592	KM50TSS32KNEL3	32	1.26	40	1.57	22	.866	96	3.790	125	4.921	NG3R	0,97	2.14
3790594	KM50TSS40JNEL4	40	1.57	50	1.97	27	1.063	91	3.593	110	4.331	NG4R	1,09	2.41
3790596	KM50TSS40LNEL3	40	1.57	50	1.97	27	1.063	120	4.738	140	5.512	NG3R	1,40	3.09
3790597	KM50TSS40LNEL4	40	1.57	50	1.97	27	1.063	120	4.738	140	5.512	NG4R	1,39	3.06

(continued)

(NE 90° • Steel continued)

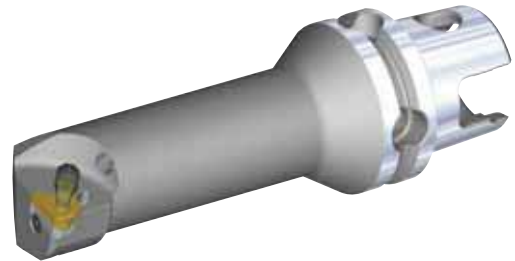
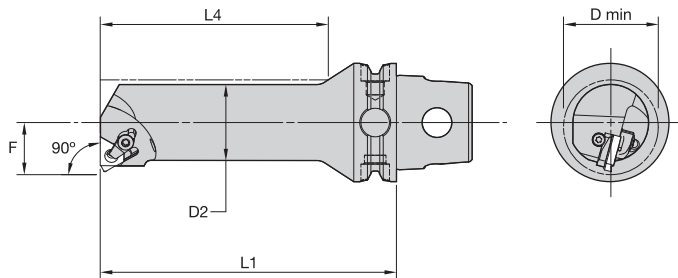
■ Spare Parts

catalog number	clamp	clamp screw
right hand		
KM50TSS12ENER2	CM147	MS1488
KM50TSS16FNER2	CM147	MS1488
KM50TSS20HNER2	CM75	MS1488
KM50TSS25JNER3	CM73	MS1489
KM50TSS32GNER3	CM73	MS1489
KM50TSS32KNER3	CM73	MS1489
KM50TSS40JNER4	CM73	MS1489
KM50TSS40LNER3	CM73	MS1489
KM50TSS40LNER4	CM73	MS1489
left hand		
KM50TSS12ENEL2	CM146	MS1488
KM50TSS16FNEL2	CM146	MS1488
KM50TSS20HNEL2	CM74	MS1488
KM50TSS25JNEL3	CM72	MS1489
KM50TSS32GNEL3	CM72	MS1489
KM50TSS32KNEL3	CM72	MS1489
KM50TSS40JNEL4	CM72	MS1489
KM50TSS40LNEL3	CM72	MS1489
KM50TSS40LNEL4	CM72	MS1489

KM50TS Internal Cutting Units

KM50TS™ Internal Cutting Units

Laydown Threading



■ LSE 90°

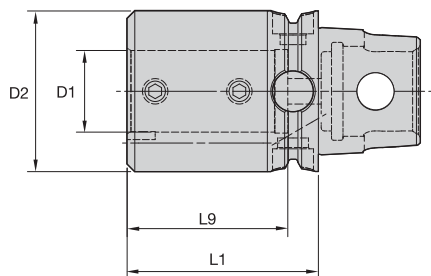
		D2		D min		F		L4		L1				
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs
right hand														
3838705	KM50TSS20HLSER16	20	.79	25	.98	13	.512	70	2.77	100	3.937	LT16NR	0,57	1.27
3838724	KM50TSS25JLSER16	25	.98	32	1.26	17	.669	88	3.48	110	4.331	LT16NR	0,68	1.49
3838709	KM50TSS32KLSER16	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	LT16NR	1,01	2.24
3838710	KM50TSS40LLSER16	40	1.57	50	1.97	27	1.063	120	4.73	140	5.512	LT16NR	1,46	3.21
3838711	KM50TSS40LLSER22	40	1.57	50	1.97	27	1.063	120	4.73	140	5.512	LT22NR	1,45	3.21
left hand														
3964139	KM50TSS20HLSSEL16	20	.79	25	.98	13	.512	70	2.77	100	3.937	LT16NL	0,58	1.27
3838706	KM50TSS25JLSSEL16	25	.98	32	1.26	17	.669	88	3.48	110	4.331	LT16NL	0,68	1.49
3838708	KM50TSS32KLSSEL16	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	LT16NL	1,01	2.24
3964141	KM50TSS40LLSEL22	40	1.57	50	1.97	27	1.063	120	4.73	140	5.512	LT22NL	1,45	3.21
3964140	KM50TSS40LLSEL16	40	1.57	50	1.97	27	1.063	120	4.73	140	5.512	LT16NL	1,46	3.21

■ Spare Parts

catalog number	insert screw	shim	shim screw	clamp assembly
right hand				
KM50TSS20HLSER16	SSA3T	SMYI3	SSY3T	CKC3
KM50TSS25JLSER16	SSA3T	SMYI3	SSY3T	CKC3
KM50TSS32KLSER16	SSA3T	SMYI3	SSY3T	CKC3
KM50TSS40LLSER16	SSA3T	SMYI3	SSY3T	CKC3
KM50TSS40LLSER22	SSA4T	SMYI4	SSY4T	CKC4
left hand				
KM50TSS20HLSSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS25JLSSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS32KLSSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS40LLSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS40LLSEL22	SSA4T	SMYE4	SSY4T	CKC4

NOTE: Cutting units are supplied with insert screw and clamp assembly. However, tools are designed to use either the insert screw or the clamp assembly, not both.





■ BA • Boring Bar Adapter • Internal and External Coolant • Metric



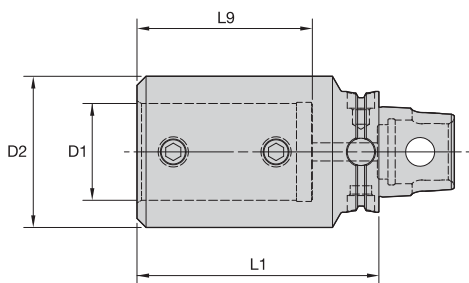
order number	catalog number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	Nm	kg
3790547	KM50TSBA06045M	6	40	45	36	MS1210	2,5mm	4	0,59
3790548	KM50TSBA08045M	8	40	45	36	MS1210	2,5mm	4	0,58
3790549	KM50TSBA10055M	10	40	55	48	MS1211	4mm	15	0,67
3790550	KM50TSBA12060M	12	40	60	52	MS1211	4mm	15	0,70
3790551	KM50TSBA16065M	16	40	65	55	MS1211	4mm	15	0,70
3790552	KM50TSBA20070M	20	40	70	58	MS1212	5mm	25	0,70
3790573	KM50TSBA25070M	25	50	70	56	MS1212	5mm	25	0,90

■ BA • Boring Bar Adapter • Internal and External Coolant • Inch



order number	catalog number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	ft. lbs.	lbs
3789937	KM50TSBA06217	3/8	1.57	2.165	1.89	S843	1/8	3	1.47
3789938	KM50TSBA08236	1/2	1.57	2.362	2.05	S852	5/32	8	1.53
3789939	KM50TSBA10256	5/8	1.57	2.559	2.17	S862	3/16	11	1.55
3789940	KM50TSBA12276	3/4	1.57	2.756	2.28	S862	3/16	11	1.57
3789941	KM50TSBA16276	1	1.97	2.756	2.20	S862	3/16	11	1.97

NOTE: Do not overtighten clamp screw; use torque recommendations above.
 Supplied with clamp screw.
 Clamp screw wrench not included.



■ BAI • Boring Bar Adapter • Internal Coolant Only • Metric



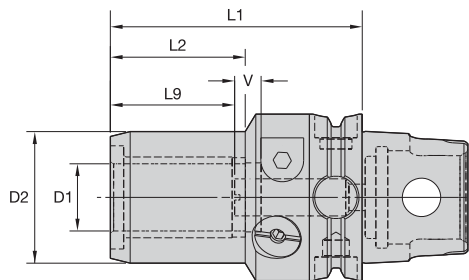
order number	catalog number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	Nm	kg
3790289	KM50TSBAI32080M	32	50	80	58	MS1213	5mm	25	0,91
3790290	KM50TSBAI40090M	40	58	90	68	MS1213	5mm	25	1,13

■ BAI • Boring Bar Adapter • Internal Coolant Only • Inch



order number	catalog number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	ft. lbs.	lbs
3790287	KM50TSBAI20315	1 1/4	1.97	3.150	2.28	S861	3/16	11	2.01
3790288	KM50TSBAI24354	1 1/2	2.28	3.543	2.68	S861	3/16	11	2.62

NOTE: Do not overtighten clamp screw; use torque recommendations above.
 Supplied with clamp screw.
 Clamp screw wrench not included.



KM50TS Shank Tools


■ HC • Metric


order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length adjustment wrench	wrench size stop screw	kg
4007723	KM50TSHC06065M	6	26	65	30	27	10	170.135	5mm	170.002	2,5mm	0,63
4007724	KM50TSHC08065M	8	28	65	30	27	10	170.135	5mm	170.002	2,5mm	0,65
4007725	KM50TSHC10070M	10	30	70	36	31	10	170.135	5mm	170.002	2,5mm	0,69
4007726	KM50TSHC12075M	12	32	75	40	36	10	170.135	5mm	170.002	2,5mm	0,73
4007727	KM50TSHC14075M	14	34	75	43	36	10	170.135	5mm	170.003	3mm	0,72
4007728	KM50TSHC16080M	16	38	80	47	39	10	170.135	5mm	170.003	3mm	0,83
4007729	KM50TSHC18080M	18	40	80	47	39	10	170.135	5mm	170.003	3mm	0,85
4007730	KM50TSHC20085M	20	42	85	48	71	10	170.135	5mm	170.003	3mm	0,94

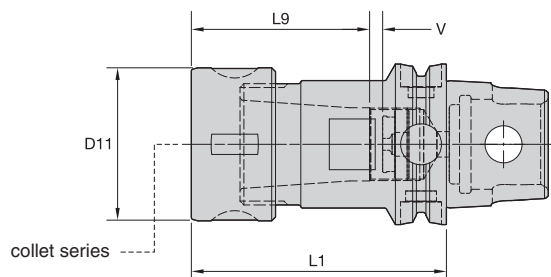
NOTE: Do not overtorque clamp screw; tighten by hand until stop is felt.
 Hydraulic chuck technical section, see page K60.
 Reduction sleeves are available and must be ordered separately; see page I2.
 Wrenches must be ordered separately.

KM50TS™ Shank Tools

TG Single-Angle Collet Chucks



- Tremendous Grip (3:1 advantage).



TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG75	2,6	20,0	3/64	3/4
TG100	2,6	25,5	5/64	1

■ Collet Chuck • Round Nut

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3790601	KM50TSTG075080M	TG75	50	1.97	80	3.150	53	2.09	10	.39	0,95	2.09
3790602	KM50TSTG100110M	TG100	60	2.36	110	4.331	69	2.72	10	.39	1,40	3.09

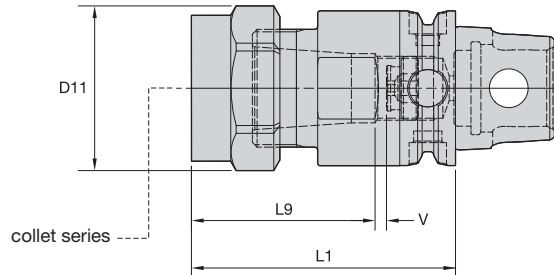
■ Spare Parts



catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw
KM50TSTG075080M	LNA075M	HSW45M	108 - 136	80 - 100	SS081041G	4mm & 5/32
KM50TSTG100110M	LNA100M	HSW58M	163 - 203	120 - 150	SS112041G	4mm & 5/32

(continued)

(Collet Chuck continued)



KM50TS Shank Tools



TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG75	2,6	20,0	3/64	3/4
TG100	2,6	25,5	5/64	1

■ Collet Chuck • Hex Nut

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3790600	KM50TSTG075336	TG75	53	2.09	85	3.358	58	2.28	10	.39	0,93	2.06
3790613	KM50TSTG100457	TG100	62	2.44	116	4.568	75	2.95	10	.39	1,44	3.18

■ Spare Parts



catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw
KM50TSTG075336	NPA075	OEW188	108 - 136	80 - 100	SS081041G	4mm & 5/32
KM50TSTG100457	NPA100	OEW225	163 - 203	120 - 150	SS112041G	4mm & 5/32

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.

Collet chuck technical section, see page K74.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

Interchangeable locknuts, coolant-style locknuts, and coolant disks are available and must be ordered separately; see page J6.

Stop screw coolant caps are available and must be ordered separately; see page J22.

Balanceable/interchangeable locknuts are available and must be ordered separately; see page J3.

TG standard straight-bore collets, see page I10.

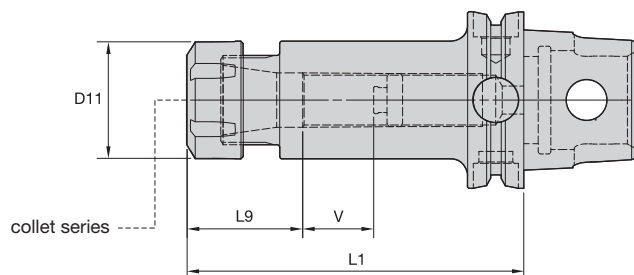
TG tap collets, see page I10.

KM50TS™ Shank Tools

ER Single-Angle Collet Chucks



- Grip (2:1 advantage).



ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER25	1,0	16,0	.04	.63
ER32	1,0	20,0	.08	.81
ER40	3,0	26,0	.08	1.00

■ Collet Chuck • Round Nut

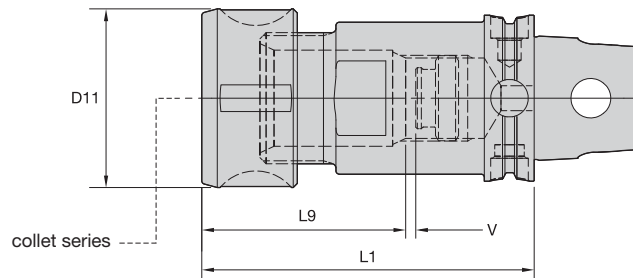
order number	catalog number	collet series	D11		L1		L9		V		locknut	wrench	Nm		ft. lbs.		kg		lbs	
			mm	in	mm	in	mm	in	mm	in										
3795029	KM50TSER25050M	ER25	42	1.65	50	1.969	41,2	1.62	—	—	LNSER25M	ER25WM	104	77	0,47	1.03				
3795030	KM50TSER32060M	ER32	50	1.97	60	2.362	47,3	1.86	—	—	LNSER32M	ER32WM	136	100	0,62	1.36				
3795031	KM50TSER40070M	ER40	63	2.48	70	2.756	53,3	2.10	—	—	LNSER40M	ER40WM	176	130	0,88	1.94				



NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
 Collet chuck technical section, see page K74.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 Interchangeable coolant-style locknuts and coolant disks are available and must be ordered separately; see page J9.
 Stop screw coolant caps are available and must be ordered separately; see page J22.
 ER standard straight-bore collets, see page I50.
 ER tap collets, see page I58.
 ER TCT tension-only tap collets, see page I60.



- Grip 1:1.



KM50TS Shank Tools



DA collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
DA200	0.2	10,0	1/64	25/64
DA180	2.2	20,0	1/64	3/4

■ Collet Chuck • Round Nut

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3789365	KM50TSDA208060M	DA200	28	1.10	60	2.362	35	1.38	8	.32	0,48	1.05
3789364	KM50TSDA188075M	DA180	43	1.69	75	2.953	49	1.93	5	.20	0,69	1.52

■ Spare Parts



catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw
KM50TSDA208060M	LNA208RM	—	32-40	45-55	SS038031G	2mm & 5/64
KM50TSDA188075M	LNA188M	HSW45M	60-75	80-100	SS081041G	4mm & 5/32

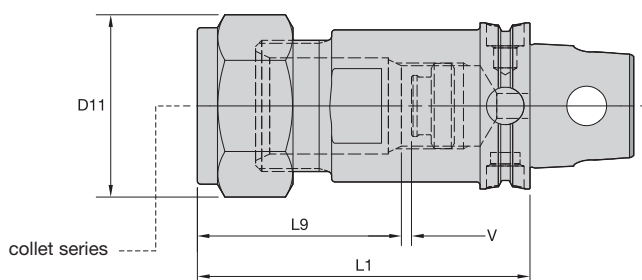
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KM50TS™ Shank Tools

DA Double-Angle Collet Chucks



(Collet Chuck continued)



DA collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
DA200	0,2	10,0	1/64	25/64
DA180	2,2	20,0	1/64	3/4

■ Collet Chuck • Hex Nut

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3789365	KM50TSDA208060M	DA200	28	1.10	60	2.362	35	1.38	8	.32	0,48	1.05
3789364	KM50TSDA188075M	DA180	43	1.69	75	2.953	49	1.93	5	.20	0,69	1.52

■ Spare Parts



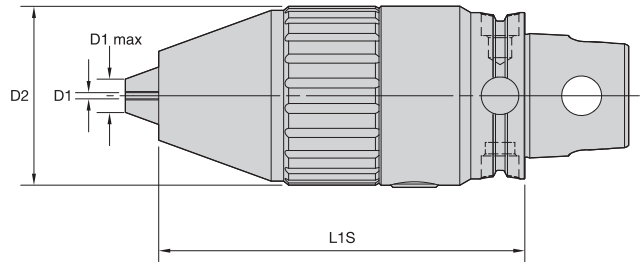
catalog number	locknut	wrench	Nm		stop screw	wrench size stop screw
KM50TSDA188075M	—	—	60-75	80-100	SS081041G	4mm & 5/32
KM50TSDA208060M	—	—	32-40	45-55	SS038031G	2mm & 5/64

NOTE: Tighten locknut to the recommended tightening torque.
 Collet chuck technical section, see page K74.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 Stop screw coolant caps are available and must be ordered separately; see page J22.
 DA standard straight-bore collets, see page I63.
 DA non-pullout collets, see page I65.

- Activation size is 6mm.
- Activation wrench included.
- Wrench reorder number is 170.136.

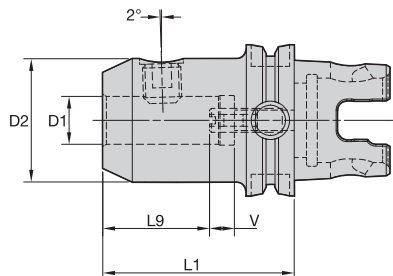


KM50TS Shank Tools



■ RDC • Drill Chuck

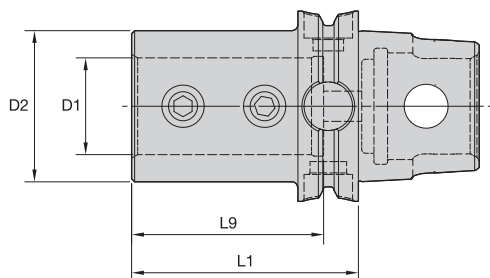
order number	catalog number	D1		D1 max		D2		L1S	
		mm	in	mm	in	mm	in	mm	in
4053779	KM50TSRDC16106M	3	.098	16	.630	56	2.205	106,0	4.055



■ WN • Whistle Notch Adapter

order number	catalog number	D1	D2	L1	L9	V	lock screw		stop screw	wrench size stop screw	kg	lbs
							lock screw	wrench size lock screw				
3795102	KM50TSWN06065M	6	25	65	30	10	SS03M012	3mm	7	571.060	0,49	1.07
3795103	KM50TSWN08065M	8	28	65	30	10	SS03M014	4mm	15	571.067	0,53	1.16
3795104	KM50TSWN10070M	10	35	70	35	10	SS03M018	5mm	25	571.068	0,66	1.46
3795105	KM50TSWN12080M	12	42	80	40	10	SS03M023	6mm	35	571.074	0,91	2.00
3795106	KM50TSWN14080M	14	44	80	40	10	SS03M023	6mm	35	571.074	0,95	2.10
3795107	KM50TSWN16085M	16	48	85	43	10	SS03M025	6mm	50	571.075	1,13	2.49
3795108	KM50TSWN18085M	18	50	85	43	10	SS03M025	6mm	50	571.075	1,18	2.61
3795109	KM50TSWN20095M	20	52	95	45	10	SS03M026	8mm	95	571.076	1,69	3.05
3795110	KM50TSWN25100M	25	65	100	50	10	SS03M027	10mm	135	571.077	2,06	4.53
3795111	KM50TSWN32105M	32	72	105	54	10	SS03M029	10mm	160	571.077	2,50	5.51

NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw and stop screw.
 Lock screw and stop screw wrenches are not included.



■ DAT • Metric



order number	catalog number	D1	D2	L1	L9	cone point socket set screw	wrench size clamp screw	Nm	clamp screw	wrench size clamp screw	Nm	kg
3904056	KM50TSDAT25075M	25	45	75	60	12166903700	6mm	40	12166903900	6mm	40	0,80
3904057	KM50TSDAT32080M	32	50	80	64	12166903700	6mm	40	12166903900	6mm	40	0,87

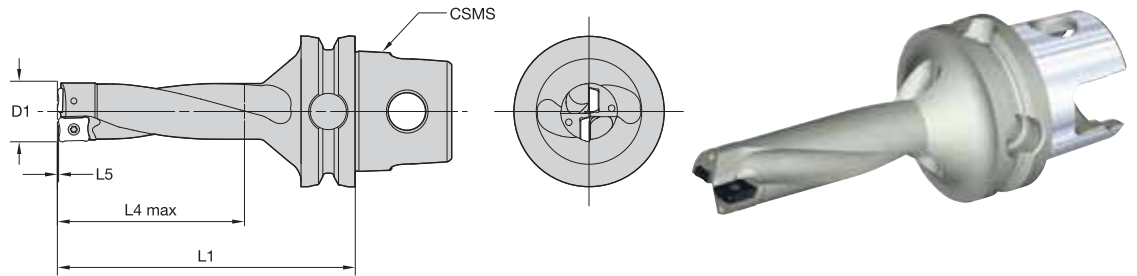
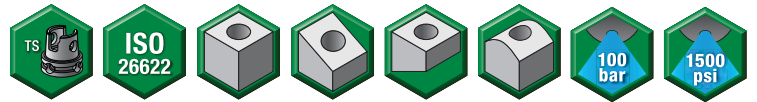
NOTE: Do not overtighten clamp screw; use torque recommendations above.

Do not over-tighten clamp screw.
Supplied with clamping screw.

Clamp screw wrench is not included.

Cone point screw to be tightened first.

- Drill shipped with insert screws and Torx wrench.



KM50TS Shank Tools

■ TCD • 3 x D • Metric

order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3895660	KM50TSTCD110R3M	KM50TS	11,0	63,0	33,0	0,22	LPGX06T103	12146011800	12146010000	T5
3895661	KM50TSTCD120R3M	KM50TS	12,0	66,0	36,0	0,06	LPGX06T103	12146011800	12146010000	T5
3895662	KM50TSTCD130R3M	KM50TS	13,0	69,0	39,0	0,08	LPGX06T103	12146011800	12146010000	T5
3895663	KM50TSTCD140R3M	KM50TS	14,0	72,0	42,0	0,07	LPGX07T204	12146012500	12147549000	T7
3895664	KM50TSTCD150R3M	KM50TS	15,0	75,0	45,0	0,05	LPGX07T204	12146012500	12147549000	T7
3895665	KM50TSTCD160R3M	KM50TS	16,0	78,0	48,0	0,18	LPGX07T204	12146012500	12147549000	T7
3895666	KM50TSTCD170R3M	KM50TS	17,0	83,0	51,0	0,31	LPGX07T204	12146012500	12147549000	T7
3895667	KM50TSTCD180R3M	KM50TS	18,0	86,0	54,0	0,31	LPGX07T204	12146012500	12147549000	T7
3895668	KM50TSTCD190R3M	KM50TS	19,0	89,0	57,0	0,06	LPGX100308	12148068700	12148086600	T8
3895669	KM50TSTCD200R3M	KM50TS	20,0	92,0	60,0	0,10	LPGX100308	12148068700	12148086600	T8
3895670	KM50TSTCD210R3M	KM50TS	21,0	97,0	63,0	0,28	LPGX100308	12148068700	12148086600	T8
3895671	KM50TSTCD220R3M	KM50TS	22,0	100,0	66,0	0,28	LPGX100308	12148068700	12148086600	T8
3895672	KM50TSTCD230R3M	KM50TS	23,0	103,0	69,0	0,45	LPGX100308	12148068700	12148086600	T8
3895693	KM50TSTCD240R3M	KM50TS	24,0	106,0	72,0	0,45	LPGX100308	12148068700	12148086600	T8
3895694	KM50TSTCD250R3M	KM50TS	25,0	110,0	75,0	0,45	LPGX100308	12148068700	12148086600	T8

■ TCD • 3 x D • Inch

order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898355	KM50TSTCD0438R3	KM50TS	.438	2.375	1.314	.009	LPGX06T103	12146011800	12146010000	T5
3898356	KM50TSTCD0469R3	KM50TS	.469	2.500	1.407	.009	LPGX06T103	12146011800	12146010000	T5
3898357	KM50TSTCD0500R3	KM50TS	.500	2.625	1.500	.002	LPGX06T103	12146011800	12146010000	T5
3898358	KM50TSTCD0531R3	KM50TS	.531	2.750	1.593	.003	LPGX06T103	12146011800	12146010000	T5
3898359	KM50TSTCD0563R3	KM50TS	.563	2.875	1.689	.003	LPGX07T204	12146012500	12147549000	T7
3898360	KM50TSTCD0594R3	KM50TS	.594	3.000	1.782	.002	LPGX07T204	12146012500	12147549000	T7
3898361	KM50TSTCD0625R3	KM50TS	.625	3.125	1.875	.002	LPGX07T204	12146012500	12147549000	T7
3898362	KM50TSTCD0656R3	KM50TS	.656	3.250	1.968	.007	LPGX07T204	12146012500	12147549000	T7
3898363	KM50TSTCD0688R3	KM50TS	.688	3.375	2.064	.012	LPGX07T204	12146012500	12147549000	T7
3898364	KM50TSTCD0719R3	KM50TS	.719	3.500	2.157	.012	LPGX07T204	12146012500	12147549000	T7
3898365	KM50TSTCD0750R3	KM50TS	.750	3.625	2.250	.002	LPGX100308	12148068700	12148086600	T8
3898366	KM50TSTCD0813R3	KM50TS	.813	3.750	2.439	.004	LPGX100308	12148068700	12148086600	T8
3898367	KM50TSTCD0875R3	KM50TS	.875	4.000	2.625	.011	LPGX100308	12148068700	12148086600	T8
3898368	KM50TSTCD0938R3	KM50TS	.938	4.250	2.814	.018	LPGX100308	12148068700	12148086600	T8
3898369	KM50TSTCD1000R3	KM50TS	1.000	4.500	3.000	.018	LPGX100308	12148068700	12148086600	T8



WARNING

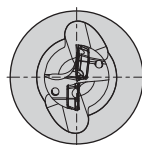
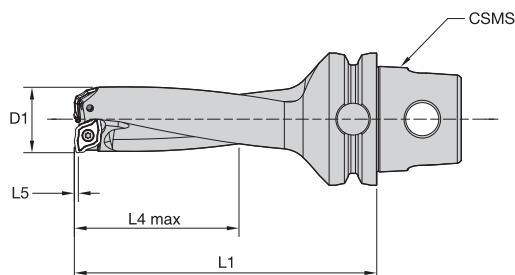
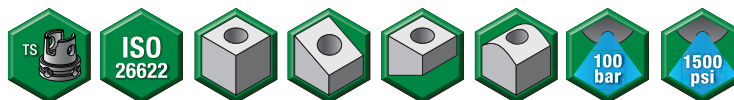
During through-hole operations, a slug or disk is produced as the tool breaks through the workpiece. When the drill is stationary and the workpiece is rotating, this slug may be hurled from the chuck by centrifugal force. Provide adequate shielding to protect bystanders.

KM50TS™ Shank Tools

Top Cut Plus™ Drill 3 x D



- Drill shipped with insert screws and Torx wrench.



■ TCP • 3 x D • Metric



order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898290	KM50TSTCP250R3M	KM50TS	25,0	112,0	75,0	0,80	XOMT070304	12148080000	12148086600	T8
3898291	KM50TSTCP260R3M	KM50TS	26,0	116,0	78,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898292	KM50TSTCP270R3M	KM50TS	27,0	120,0	81,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898383	KM50TSTCP280R3M	KM50TS	28,0	123,0	84,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898384	KM50TSTCP290R3M	KM50TS	29,0	127,0	87,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898385	KM50TSTCP300R3M	KM50TS	30,0	131,0	90,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898386	KM50TSTCP310R3M	KM50TS	31,0	135,0	93,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898387	KM50TSTCP320R3M	KM50TS	32,0	138,0	96,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898388	KM50TSTCP330R3M	KM50TS	33,0	142,0	99,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898389	KM50TSTCP340R3M	KM50TS	34,0	146,0	102,0	0,70	XOMT09T306	12148067200	12148086600	T8
3898390	KM50TSTCP350R3M	KM50TS	35,0	150,0	105,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898391	KM50TSTCP360R3M	KM50TS	36,0	153,0	108,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898392	KM50TSTCP370R3M	KM50TS	37,0	157,0	111,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898393	KM50TSTCP380R3M	KM50TS	38,0	160,0	114,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898394	KM50TSTCP390R3M	KM50TS	39,0	165,0	117,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898395	KM50TSTCP400R3M	KM50TS	40,0	168,0	120,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898396	KM50TSTCP410R3M	KM50TS	41,0	172,0	123,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898397	KM50TSTCP420R3M	KM50TS	42,0	176,0	126,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898398	KM50TSTCP430R3M	KM50TS	43,0	180,0	129,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898399	KM50TSTCP440R3M	KM50TS	44,0	183,0	132,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898400	KM50TSTCP450R3M	KM50TS	45,0	187,0	135,0	0,96	XOMT12T308	12148055800	12148082400	T15

(continued)

(TCP • 3 x D continued)

TCP • 3 x D • Inch


order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898374	KM50TSTCP1000R3	KM50TS	1.000	4.500	3.000	.032	XOMT070304	12148080000	12148086600	T8
3898375	KM50TSTCP1125R3	KM50TS	1.125	5.000	3.375	.028	XOMT09T306	12148067200	12148086600	T8
3898376	KM50TSTCP1250R3	KM50TS	1.250	5.500	3.750	.028	XOMT09T306	12148067200	12148086600	T8
3898377	KM50TSTCP1313R3	KM50TS	1.313	5.750	3.939	.028	XOMT09T306	12148067200	12148086600	T8
3898378	KM50TSTCP1375R3	KM50TS	1.375	5.875	4.125	.028	XOMT09T306	12148067200	12148086600	T8
3898379	KM50TSTCP1438R3	KM50TS	1.438	6.125	4.314	.038	XOMT12T308	12148055800	12148082400	T15
3898380	KM50TSTCP1500R3	KM50TS	1.500	6.375	4.500	.038	XOMT12T308	12148055800	12148082400	T15
3898381	KM50TSTCP1563R3	KM50TS	1.563	6.625	4.689	.038	XOMT12T308	12148055800	12148082400	T15
3898382	KM50TSTCP1625R3	KM50TS	1.625	6.875	4.875	.038	XOMT12T308	12148055800	12148082400	T15
3898443	KM50TSTCP1688R3	KM50TS	1.688	7.125	5.064	.038	XOMT12T308	12148055800	12148082400	T15
3898444	KM50TSTCP1750R3	KM50TS	1.750	7.375	5.250	.038	XOMT12T308	12148055800	12148082400	T15


WARNING

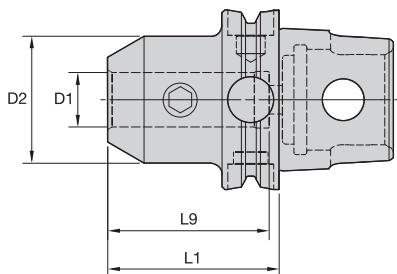
During through-hole operations, a slug or disk is produced as the tool breaks through the workpiece. When the drill is stationary and the workpiece is rotating, this slug may be hurled from the chuck by centrifugal force. Provide adequate shielding to protect bystanders.

KM50TS™ Shank Tools

EM End Mill Adapters



KM50TS Shank Tools



■ EM • Metric



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
3812617	KM50TSEM10050M	10	35	50	45	SS03M018	5mm	25	0,53
3812618	KM50TSEM12055M	12	42	55	50	SS03M023	6mm	35	0,65
3812619	KM50TSEM16060M	16	48	60	53	SS03M025	6mm	50	0,79
3812620	KM50TSEM20060M	20	52	60	55	SS03M026	8mm	95	0,84
3812621	KM50TSEM25080M	25	65	80	60	SS03M027	10mm	135	1,59
3812622	KM50TSEM32085M	32	72	85	65	SS03M029	10mm	160	1,94

■ EM • Inch

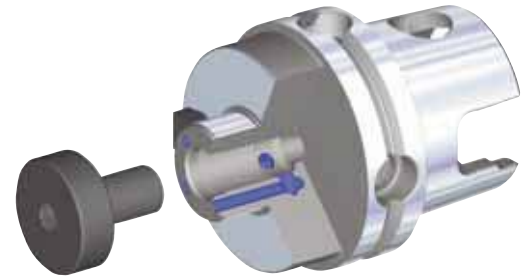
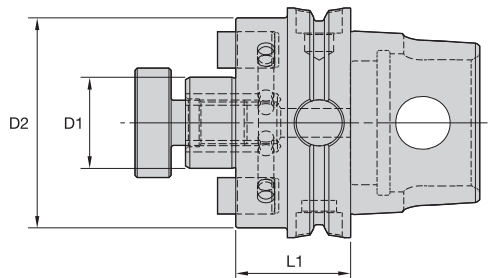


order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
3812635	KM50TSEM038197	3/8	1.00	1.969	1.73	ELS038031PKG	3/16	15	.95
3812636	KM50TSEM050216	1/2	1.38	2.165	1.97	ELS044038PKG	7/32	20	1.16
3812637	KM50TSEM062236	5/8	1.63	2.362	2.09	ELS056050PKG	1/4	40	1.43
3812638	KM50TSEM075236	3/4	1.75	2.362	2.22	ELS062050PKG	5/16	70	1.48
3812639	KM50TSEM100335	1	2.00	3.347	2.56	ELS075056PKG	3/8	110	2.38
3812640	KM50TSEM125335	1 1/4	2.50	3.347	2.51	ELS075056PKG	3/8	110	3.31

NOTE: Do not overtighten lock screw; use torque recommendations above.

Supplied with lock screw.

Lock screw wrench not included.


■ SMC • Metric


order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3950842	KM50TSSMC22028M	22	49	28	MS1234	KDK22M	8mm	0,54
3950913	KM50TSSMC27032M	27	60	32	KLSS27M	KDK27M	10mm	0,77
3950914	KM50TSSMC32040M	32	78	40	KLSS32M	KDK32M	14mm	1,30

■ SMC/SM2C-KM • Inch


order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	lbs
3950836	KM50TSSMC050102	1/2	1.44	1.024	KLS05	KDK04	3/16	.92
3950838	KM50TSSM2C075102	3/4	1.46	1.024	KLS07	—	1/4	1.02
3950837	KM50TSSMC075102	3/4	1.75	1.024	KLS07	KDK05	3/16	1.08
3950840	KM50TSSM2C100126	1	2.19	1.260	KLS10	KDK06	5/16	1.53
3950839	KM50TSSMC100126	1	2.75	1.260	KLS10	KDK06	5/16	1.81
3950841	KM50TSSMC125157	1 1/4	2.88	1.575	KLS12	KDK08	5/16	2.60

NOTE: Do not overtighten lock screw.

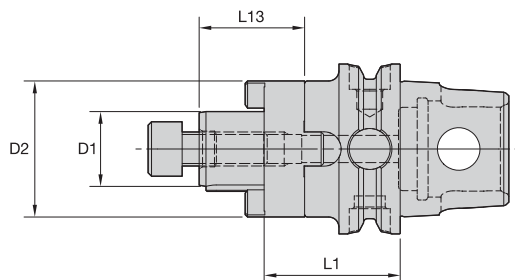
Supplied with lock screw and drive keys.

Interchangeable coolant-style lock screws are available and must be ordered separately; see page J26.

Lock screw wrench not included.

KM50TS™ Shank Tools

CS Combi-Type Shell Mill Adapters

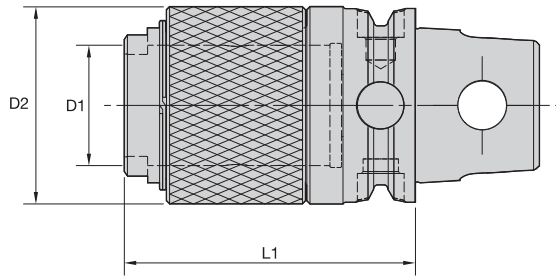


■ CS • Metric



order number	catalog number	D1	D2	L1	L13	lock screw	lock screw	wrench size lock screw	combi driver	combi drive key	kg
3862017	KM50TSCS22040M	22	40	40	31	MS1234	—	8mm	CDR22M	CDK22M	0,61
3862018	KM50TSCS27042M	27	48	42	33	—	KLS27M	—	CDR27M	CDK27M	0,79
3862019	KM50TSCS32050M	32	58	50	38	—	KLS32M	—	CDR32M	CDK32M	1,19

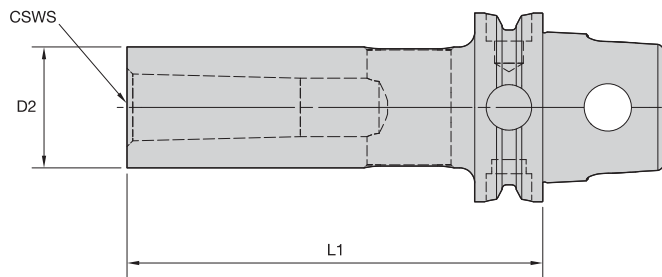
NOTE: Do not overtighten lock screw.
Supplied with lock screw, drive ring, and key.
Lock screw wrench not included.



■ ST • Solid Tap Chuck

order number	catalog number	TQCS adapter size	D1		D2		L1		kg	lbs
			mm	in	mm	in	mm	in		
3964133	KM50TSST1050M	1	19	.749	35	1.375	50	1.971	0,48	1.06
3964134	KM50TSST2075M	2	31	1.222	51	2.000	75	2.955	0,89	1.95

NOTE: Quick-change tap adapters available and must be ordered separately; see page I76.



■ MT • Morse Taper Adapter

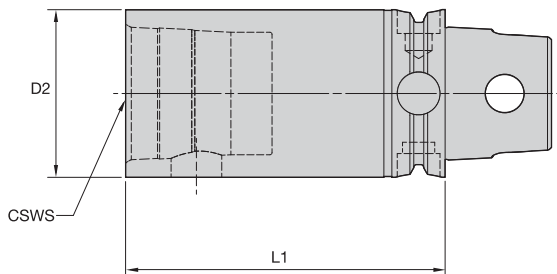
order number	catalog number	CSWS system size	D2		L1		kg	lbs
			mm	in	mm	in		
3862043	KM50TSMT1095M	1	25	.984	95	3.740	0,57	1.26
3862044	KM50TSMT2110M	2	32	1.260	110	4.331	0,77	1.70
3862045	KM50TSMT3130M	3	40	1.575	130	5.118	1,12	2.47
3862046	KM50TSMT4150M	4	48	1.890	150	5.906	1,54	3.40

KM50TS™ Shank Tools

KM™ Extensions • Reducers

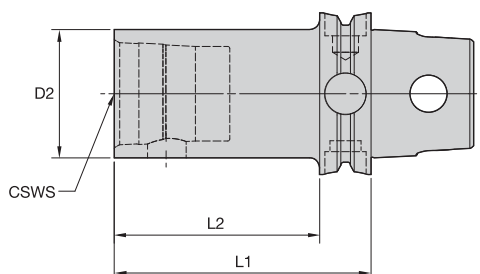
WIDIA 

KM50TS Shank Tools



■ S • KM Extension

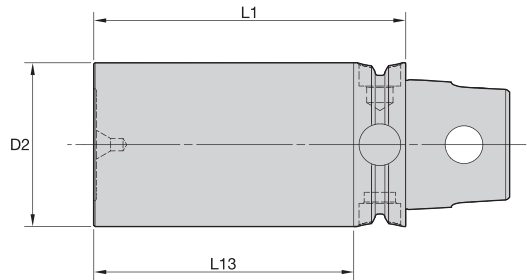
order number	catalog number	CSWS system size	D2		L1		wrench size actuation screw	Nm	ft. lbs.	spare parts package	kg	lbs
			mm	in	mm	in						
3862083	KM50TSS50070M	KM50	50	1.969	70	2.756	10mm	27-34	20-25	KM50PKG3S	0,92	2.03
3862084	KM50TSS50100M	KM50	50	1.969	100	3.937	10mm	27-34	20-25	KM50PKG3S	1,37	3.02



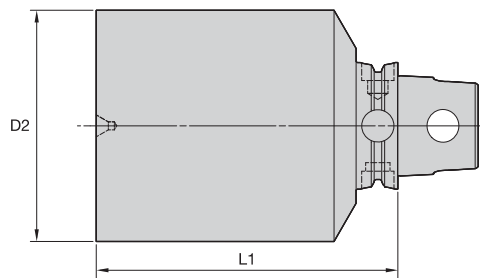
■ S • KM Reducer

order number	catalog number	CSWS system size	D2		L1		L2		wrench size actuation screw	Nm	ft. lbs.	spare parts package	kg	lbs
			mm	in	mm	in	mm	in						
3862071	KM50TSS32070M	KM32	32	1.260	70	2.756	52	2.047	5mm	8-11	6-8	KM32PKG3S	0,61	1.34
3862072	KM50TSS40080M	KM40	40	1.575	80	3.150	62	2.441	6mm	12-16	9-12	KM40PKG3S	0,84	1.86




■ GB • Gage Bar

order number	catalog number	D2		L1		L13		kg	lbs
		mm	in	mm	in	mm	in		
3959978	KM50TSGB50100M	50	1.97	100	3.94	82	3.23	1,59	3.49


■ BN • Blank

order number	catalog number	D2		L1		hardness range	kg	lbs
		mm	in	mm	in			
3851267	KM50TSBN73135M	73	2.874	135	5.315	32-38 HRC	4,15	9.16
3851268	KM50TSBN75062M	75	2.953	62	2.441	32-38 HRC	1,84	4.06
3851266	KM50TSBN105062M	105	4.134	62	2.441	32-38 HRC	3,15	6.95