

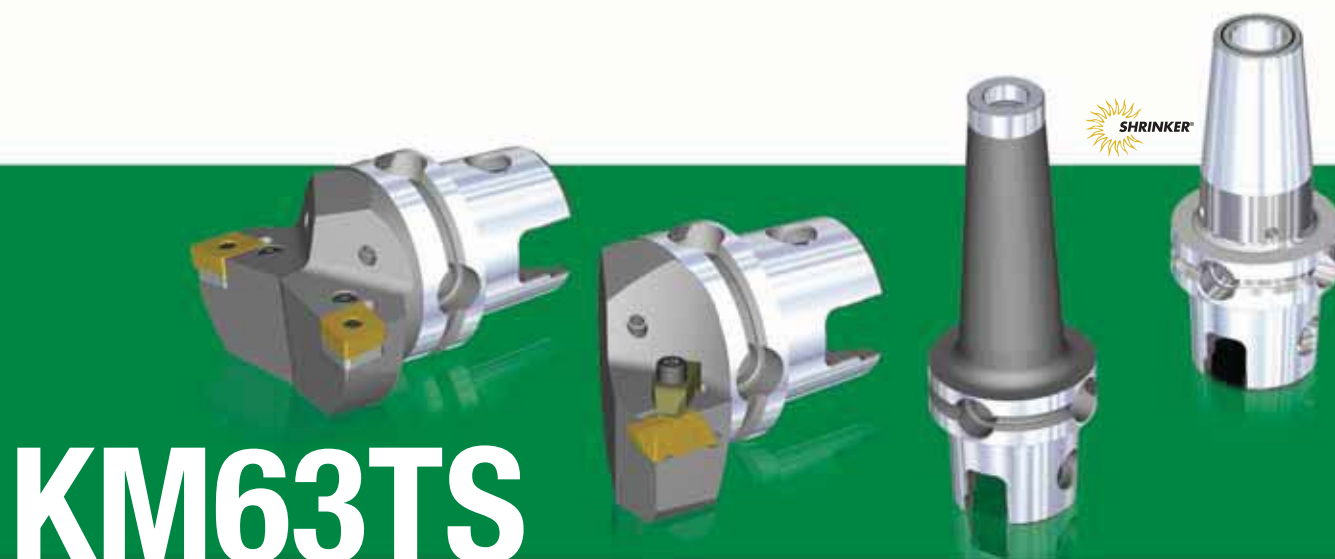


TOOLING SYSTEMS

TOOLING SYSTEMS

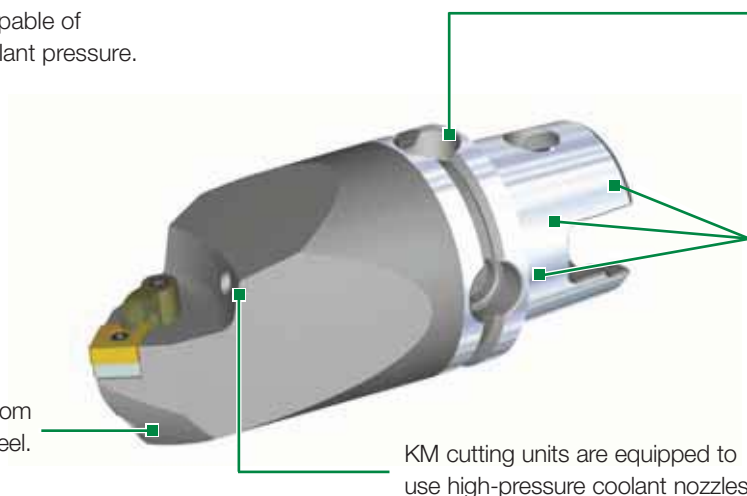
KM™ Quick Change Clamping System • KM63TS™ Series

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.



- 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.

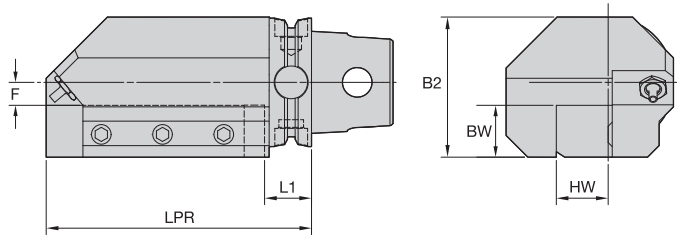
KM manufactured from high-strength tool steel.



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.



■ STAR/L • Metric



order number	catalog number	B2	BW	F	HW	L1	LPR	nozzle	kg
	right hand								
2255545	KM63TSSTAR2525M	68	25	11	25	25	130	PMT04526 COOLANT NOZZLE SPRAY	3,83
	left hand								
2255544	KM63TSSTAL2525M	68	25	11	25	25	130	PMT04526 COOLANT NOZZLE SPRAY	3,83

■ STAR/L • Inch



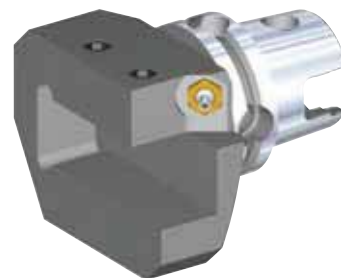
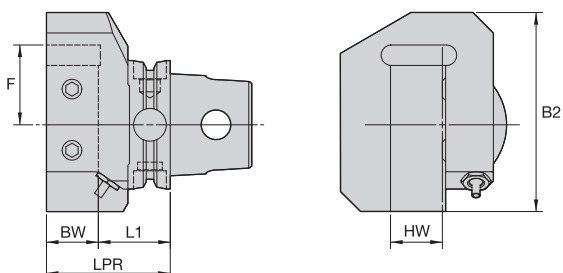
order number	catalog number	B2	BW	F	HW	L1	LPR	nozzle	lbs
	right hand								
2384740	KM63TSSTAR16	2.703	1.000	.443	1.000	.906	5.118	PMT04526 COOLANT NOZZLE SPRAY	8.46
	left hand								
2384741	KM63TSSTAL16	2.703	1.000	.443	1.000	.906	5.118	PMT04526 COOLANT NOZZLE SPRAY	8.46

KM63TS™ Adapters

ETAR/L Single Square Shank Adapters



KM63TS Adapters



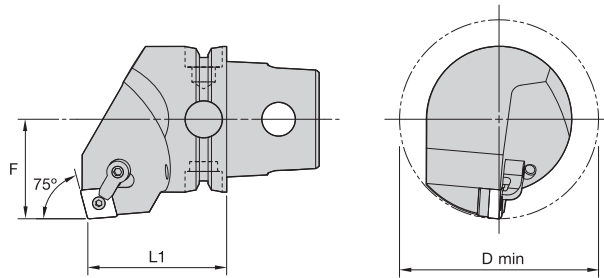
■ ETAR/L • Metric

order number	catalog number	B2	BW	F	HW	L1	LPR	nozzle	kg
	right hand								
2255547	KM63TSETAR2525M	98	25	37,5	25	35	60	PMT04526 COOLANT NOZZLE SPRAY	2,06
	left hand								
2255546	KM63TSETAL2525M	98	25	37,5	25	35	60	PMT04526 COOLANT NOZZLE SPRAY	2,06

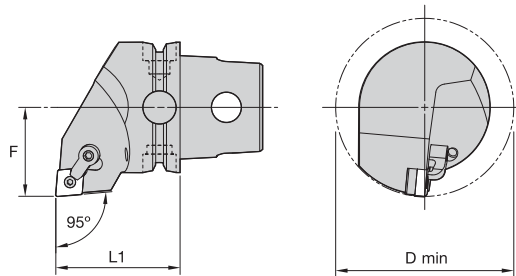
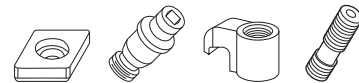
■ ETAR/L • Inch

order number	catalog number	B2	BW	F	HW	L1	LPR	nozzle	lbs
	right hand								
2384742	KM63TSETAR16	3.839	1.000	1.539	1.000	1.388	2.388	PMT08420 COOLANT NOZZLE SPRAY	4.58
	left hand								
2384743	KM63TSETAL16	3.839	1.000	1.539	1.000	1.388	2.388	PMT08420 COOLANT NOZZLE SPRAY	4.58

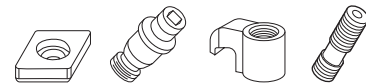


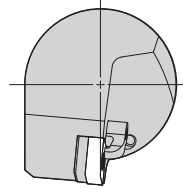
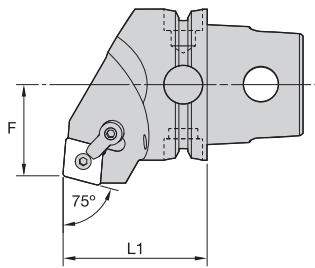

■ MCKN 75°

		L1		F		D min		   						
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
right hand														
2265024	KM63TSMCKNR12	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	1,28	2.83
2265026	KM63TSMCKNR16	60	2.362	43	1.693	86	3.386	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,34	2.95
2265028	KM63TSMCKNR19	60	2.362	43	1.693	86	3.386	CN..190612/CN..643	ICSN633	KLM68	CKM13	STCM8	1,34	2.95
left hand														
2265025	KM63TSMCKNL12	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	1,28	2.83
2265027	KM63TSMCKNL16	60	2.362	43	1.693	86	3.386	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,34	2.95
2265029	KM63TSMCKNL19	60	2.362	43	1.693	86	3.386	CN..190612/CN..643	ICSN633	KLM68	CKM13	STCM8	1,34	2.95


■ MCLN 95°

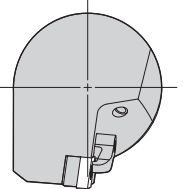
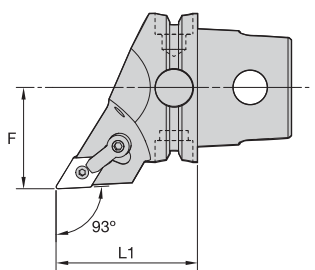
		L1		F		D min		   						
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
right hand														
2265030	KM63TSMCLNR12	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	1,19	2.62
2265032	KM63TSMCLNR16	60	2.362	43	1.693	86	3.386	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,19	2.62
2265274	KM63TSMCLNR19	60	2.362	43	1.693	86	3.386	CN..190612/CN..643	ICSN633	KLM68	CKM13	STCM8	1,18	2.61
left hand														
2265031	KM63TSMCLNL12	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	1,19	2.62
2265273	KM63TSMCLNL16	60	2.362	43	1.693	86	3.386	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,19	2.62
2265275	KM63TSMCLNL19	60	2.362	43	1.693	86	3.386	CN..190612/CN..643	ICSN633	KLM68	CKM13	STCM8	1,18	2.61





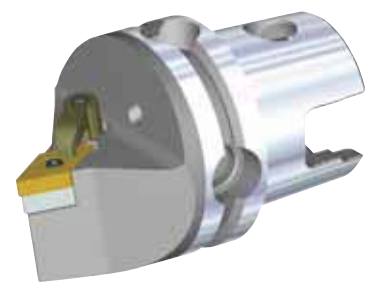
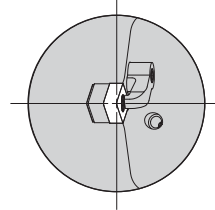
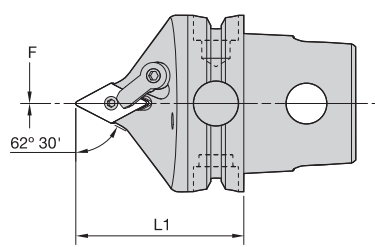
■ MCRN 75°

		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs	
	right hand												
2265276	KM63TSMCRNR16	60	2.362	38	1.496	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,19	2.63	
2265278	KM63TSMCRNR19	60	2.362	38	1.496	CN..190612/CN..643	ICSN633	KLM68	CKM13	STCM8	1,19	2.62	
	left hand												
2265277	KM63TSMCRNL16	60	2.362	38	1.496	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,19	2.63	
2265279	KM63TSMCRNL19	60	2.362	38	1.496	CN..190612/CN..643	ICSN633	KLM68	CKM13	STCM8	1,19	2.62	

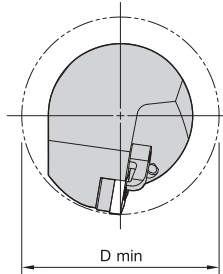
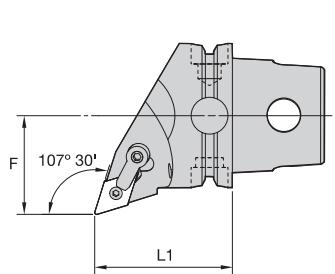


■ MDJN 93°

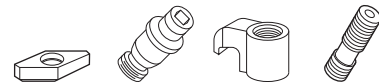
		L1				F							
order number	catalog number	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs	
2397712	KM63TSMDJNR1504	60	2.362	43	1.693	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,00	2.200	
2265280	KM63TSMDJNR1506	60	2.362	43	1.693	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	0,99	2.190	
2397713	KM63TSMDJNL1504	60	2.362	43	1.693	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,00	2.200	
2265281	KM63TSMDJNL1506	60	2.362	43	1.693	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	0,99	2.190	

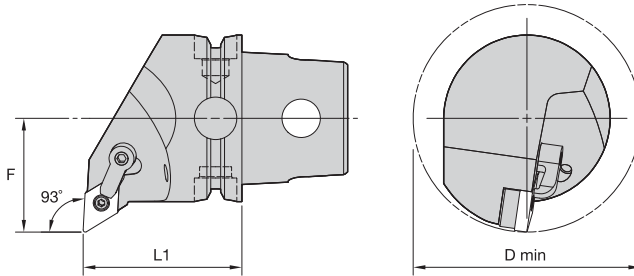

■ MDPN 62° 30'

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
2397714	KM63TSDPNN1504	60	2.362	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	0,92	2.02
2265282	KM63TSDPNN1506	60	2.362	0	.000	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	0,92	2.01


■ MDQN 107° 30'

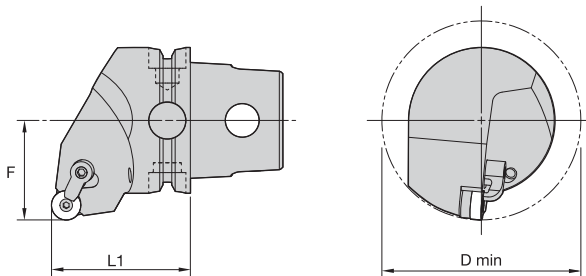
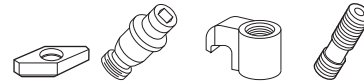
order number	catalog number	L1		F		D min	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm							
	right hand												
2397715	KM63TSDQNR1504	60	2.362	43	1.693	86 3.386	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,07	2.36
2265283	KM63TSDQNR1506	60	2.362	43	1.693	86 3.386	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	1,07	2.35
	left hand												
2397716	KM63TSDQNL1504	60	2.362	43	1.693	86 3.386	DN..150408/DN..432	IDSN442	KLM46	CKM23	STCM11	1,07	2.36
2265284	KM63TSDQNL1506	60	2.362	43	1.693	86 3.386	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	1,07	2.35





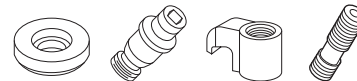
■ MDUN 93°

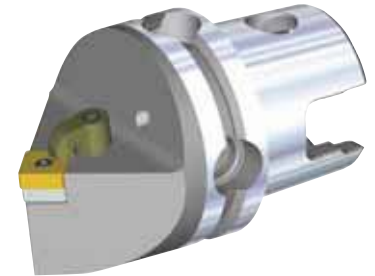
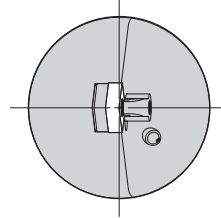
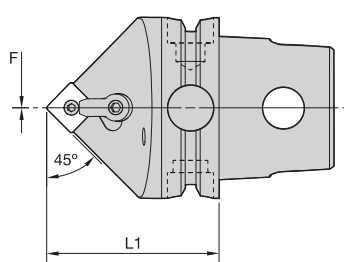
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
2397717	KM63TSM DUNR1504	60	2.362	43	1.693	86	3.386	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,17	2.58
2265285	KM63TSM DUNR1506	60	2.362	43	1.693	86	3.386	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	1,17	2.58
	left hand													
2397718	KM63TSM DUNL1504	60	2.362	43	1.693	86	3.386	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,17	2.58
2265286	KM63TSM DUNL1506	60	2.362	43	1.693	86	3.386	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	1,17	2.57



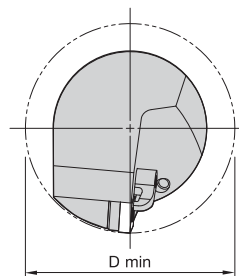
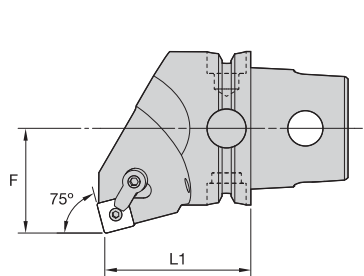
■ MRGN 0°

order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
2265287	KM63TSM RGNR12	60	2.362	43	1.693	100	3.937	RN..120400/RN..43	IRSN43	KLM46	CKM20	STCM11	1,21	2.66
	left hand													
2265288	KM63TSM RGNL12	60	2.362	43	1.693	100	3.937	RN..120400/RN..43	IRSN43	KLM46	CKM20	STCM11	1,21	2.66




■ MSDN 45°

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
2265289	KM63TSMDDNN12	60	2.362	0	.000	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	0,99	2.18
2265290	KM63TSMDDNN15	60	2.362	0	.000	SN..150612/SN..543	ISSN533	KLM58	CKM20	STCM11	0,99	2.18
2265291	KM63TSMDDNN19	60	2.362	0	.000	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	0,97	2.14


■ MSKN 75°

		L1		F		D min								
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
	right hand													
2265292	KM63TSMKSNR12	60	2.362	43	1.693	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	1,27	2.81
2265294	KM63TSMKSNR19	60	2.362	43	1.693	86	3.386	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	1,35	2.97
	left hand													
2265293	KM63TSMKSNL12	60	2.362	43	1.693	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	1,27	2.81
2265295	KM63TSMKSNL19	60	2.362	43	1.693	86	3.386	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	1,35	2.97

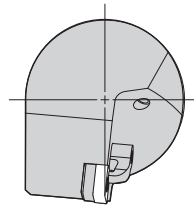
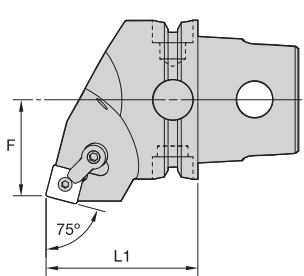


KM63TS™ Cutting Units

M-Clamping

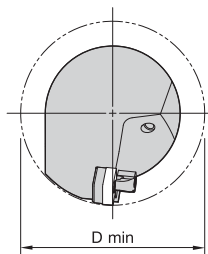
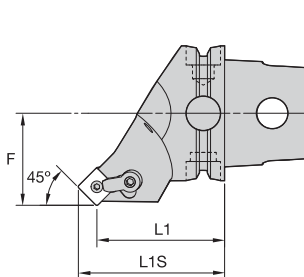


KM63TS Cutting Units



■ MSRN 75°

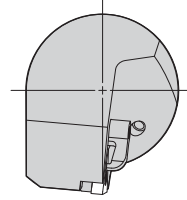
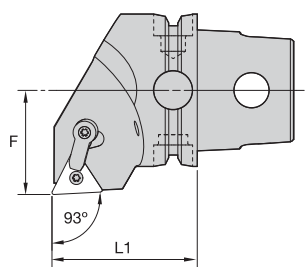
		L1 F											
order number	catalog number	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs	
2265296	right hand KM63TSMRNR12	60	2.362	38	1.496	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	1,18	2.61	
2265298	left hand KM63TSMRNR19	60	2.362	38	1.496	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	1,15	2.53	
2265297	KM63TSMRNL12	60	2.362	38	1.496	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	1,19	2.61	
2265299	KM63TSMRNL19	60	2.362	38	1.496	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	1,15	2.53	



■ MSSN 45°

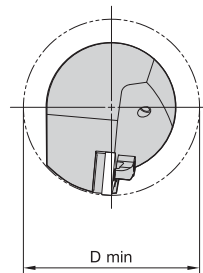
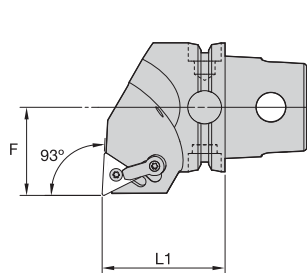
		L1		L1S		F		D min								
order number	catalog number	mm	in	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
right hand																
2265300	KM63TSMSSNR12	60	2.362	68,3	2.690	43	1.693	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	1,11	2.45
2265302	KM63TSMSSNR15	60	2.362	70,2	2.765	43	1.693	100	3.937	SN..150612/SN..543	ISSN533	KLM58	CKM20	STCM11	1,10	2.42
2265304	KM63TSMSSNR19	60	2.362	72,5	2.854	43	1.693	100	3.937	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	1,14	2.51
left hand																
2265301	KM63TSMSSNL12	60	2.362	68,3	2.690	43	1.693	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20	STCM11	1,11	2.45
2265303	KM63TSMSSNL15	60	2.362	70,2	2.765	43	1.693	100	3.937	SN..150612/SN..543	ISSN533	KLM58	CKM20	STCM11	1,10	2.42
2265305	KM63TSMSSNL19	60	2.362	72,5	2.854	43	1.693	100	3.937	SN..190612/SN..643	ISSN633	KLM68	CKM13	STCM8	1,15	2.53





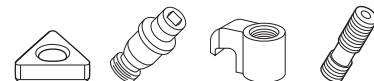
■ MTJN 93°

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
2265306	right hand KM63TSMTJNR22	60	2.362	43	1.693	TN..220408/TN..432	ITSN433	KLM46	CKM23	STCM11	1,23	2.72
2265307	left hand KM63TSMTJNL22	60	2.362	43	1.693	TN..220408/TN..432	ITSN433	KLM46	CKM23	STCM11	1,23	2.72



■ 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							
2265308	right hand KM63TSMTUNR22	60	2.362	43	1.693	86	3.386	TN..220408/TN..432	ITSN433	KLM46	CKM23	STCM11	1,27	2.79
2265309	left hand KM63TSMTUNL22	60	2.362	43	1.693	86	3.386	TN..220408/TN..432	ITSN433	KLM46	CKM23	STCM11	1,27	2.79

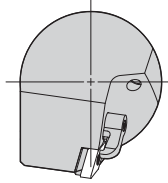
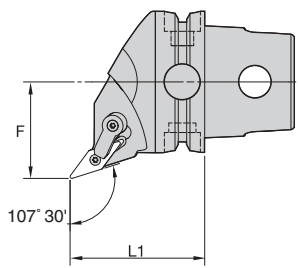


KM63TS™ Cutting Units

M-Clamping

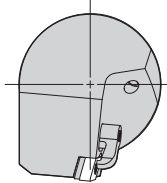
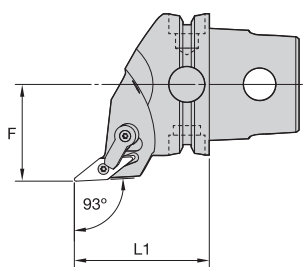


KM63TS Cutting Units



■ MVHN 107° 30'

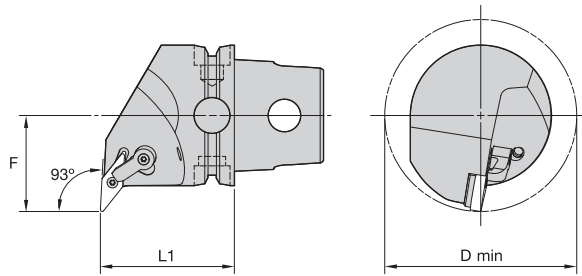
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
2265310	right hand KM63TSMVHNR16	60	2.362	43	1.693	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,07	2.36
2265311	left hand KM63TSMVHNL16	60	2.362	43	1.693	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,07	2.36



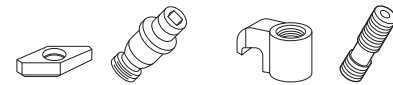
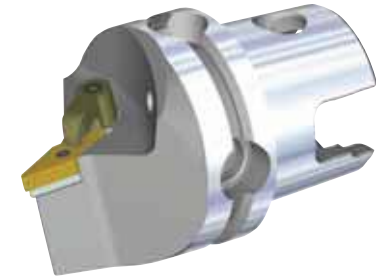
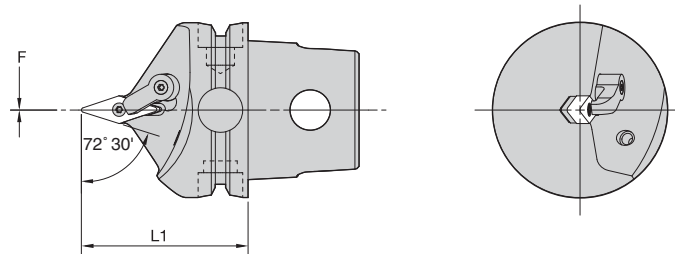
■ MVJN 93°

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
2265312	right hand KM63TSMVJNR16	60	2.362	43	1.693	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,00	2.21
2265313	left hand KM63TSMVJNL16	60	2.362	43	1.693	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,00	2.21




■ MVUN 93°

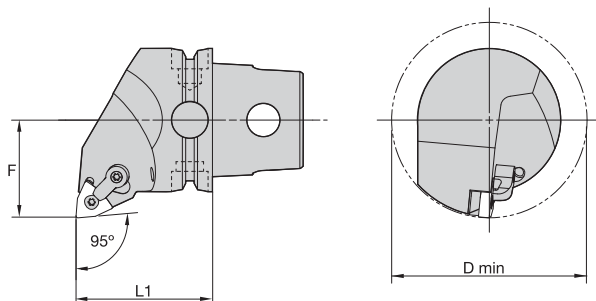
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
2265314	KM63TSMVUNR16	60	2.362	43	1.693	86	3.386	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,17	2.58
	right hand													
2265315	KM63TSMVUNL16	60	2.362	43	1.693	86	3.386	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,17	2.59
	left hand													


■ MVVN 72° 30'

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
2265316	KM63TSMVVNN16	60	2.362	0	.000	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	0,86	1.90

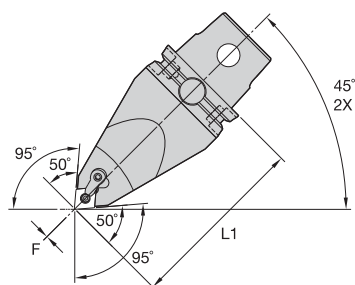
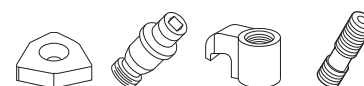
KM63TS™ Cutting Units

M-Clamping • M-Clamping Centerline



■ MWLN 95°

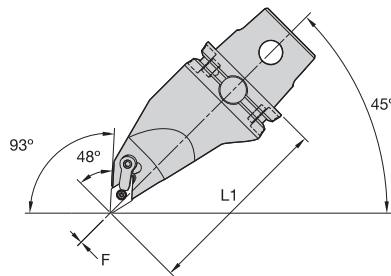
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		mm	in	mm	in	mm	in							
2265317	KM63TSMWLNRO8	60	2.362	43	1.693	86	3.386	WN..080408/WN..432	IWSN433	KLM46	CKM20	STCM11	1,20	2.65
2265318	KM63TSMWLNLO8	60	2.362	43	1.693	86	3.386	WN..080408/WN..432	IWSN433	KLM46	CKM20	STCM11	1,20	2.65



■ 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							
3487474	KM63TSMCMNN12115	115	4.528	0	.000	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	2,01	4.42

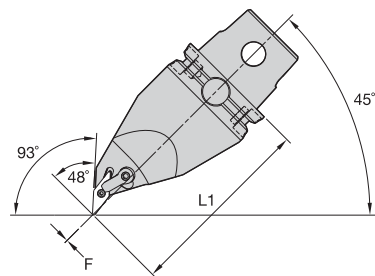
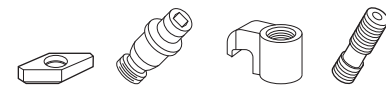




Left-Hand Tool

MDMN 48° • 93° Application • Centerline

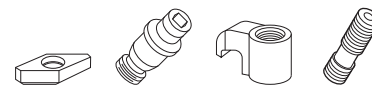
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3487478	KM63TSMMDMNR1504115	115	4.528	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,84	4.05
3487479	KM63TSMMDMNR1506115	115	4.528	0	.000	DN..150608/DN..442	IDSN442	KLM46L	CKM23	STCM11	1,83	4.04
3487475	KM63TSMMDMNL1504115	115	4.528	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,84	4.05
3487476	KM63TSMMDMNL1506115	115	4.528	0	.000	DN..150608/DN..442	IDSN442	KLM46L	CKM23	STCM11	1,83	4.04



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							
3487480	KM63TSMVMNR16115	115	4.528	0	.000	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,93	4.26
3487477	KM63TSMVMNL16115	115	4.528	0	.000	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,93	4.26

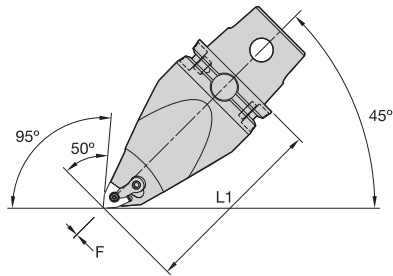


KM63TS™ Cutting Units

M-Clamping Centerline • P-Clamping



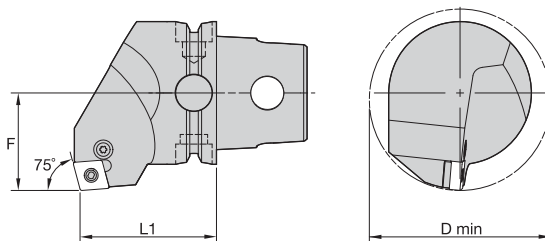
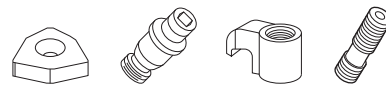
KM63TS Cutting Units



Left-Hand Tool

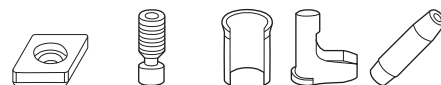
■ MWMN 50° • 95° Application • Centerline

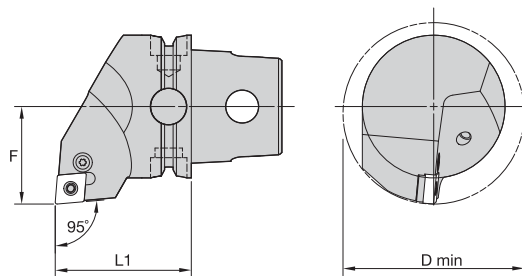
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3487604	KM63TSMWMNR08115	115	4.528	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20	STCM11	1,98	4.37
3487603	KM63TSMWMNL08115	115	4.528	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20	STCM11	1,98	4.37



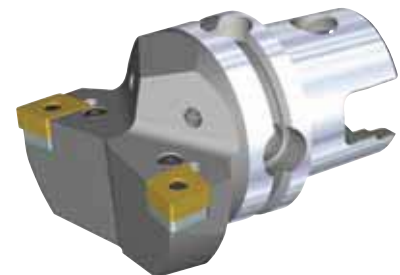
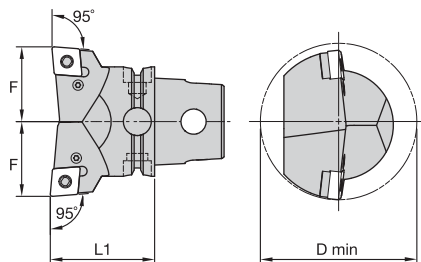
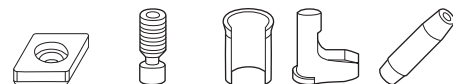
■ PCKN 75°

order number	catalog number	L1		F		D min	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in									
2407450	KM63TSPCKNR12	60	2.362	43	1.693	80	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	1,29	2.84
2407452	KM63TSPCKNR16	60	2.362	43	1.693	80	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	1,32	2.91
2407954	KM63TSPCKNR19	60	2.362	43	1.693	80	CN..190612/CN..643	512.123	514.133	513.033	511.023	515.022	1,34	2.95
2407451	KM63TSPCKNL12	60	2.362	43	1.693	80	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	1,29	2.84
2407953	KM63TSPCKNL16	60	2.362	43	1.693	80	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	1,32	2.91
2407955	KM63TSPCKNL19	60	2.362	43	1.693	80	CN..190612/CN..643	512.123	514.133	513.033	511.033	515.022	1,34	2.95

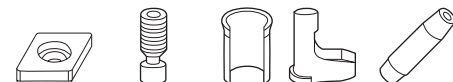


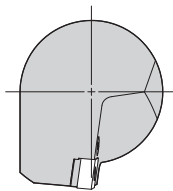
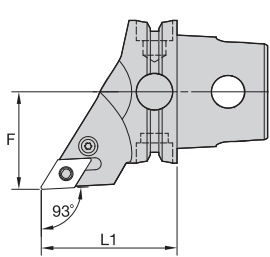

■ PCLN 95°

		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		
right hand																	
2257149	KM63TSPCLNR12	60	2.362	43	1.693	80	3.150	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	1,21	2.66		
2407957	KM63TSPCLNR16	60	2.362	43	1.693	80	3.150	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	1,23	2.71		
2407959	KM63TSPCLNR19	60	2.362	43	1.693	80	3.150	CN..190612/CN..643	512.123	514.133	513.033	511.033	515.022	1,23	2.71		
left hand																	
2407956	KM63TSPCLNL12	60	2.362	43	1.693	80	3.150	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	1,21	2.66		
2407958	KM63TSPCLNL16	60	2.362	43	1.693	80	3.150	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	1,23	2.71		
2407960	KM63TSPCLNL19	60	2.362	43	1.693	80	3.150	CN..190612/CN..643	512.123	514.133	513.033	511.033	515.022	1,23	2.71		

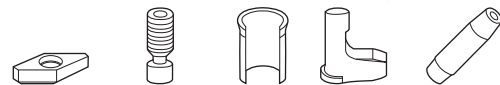

■ PCLN-2W 95°

		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		
right hand																	
2408003	KM63TSPCLNR162W	60	2.362	43	1.693	90	3.543	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	1,35	2.97		
left hand																	
2408004	KM63TSPCLNL162W	60	2.362	43	1.693	90	3.543	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	1,35	2.98		

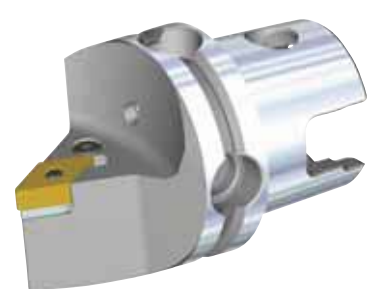
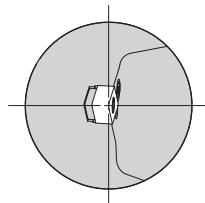
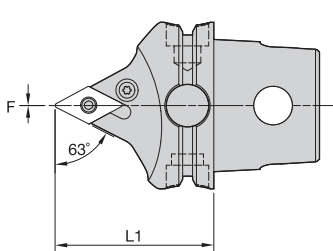




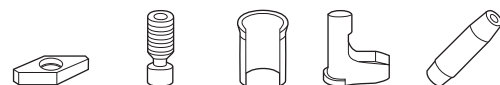
■ PDJN 93°



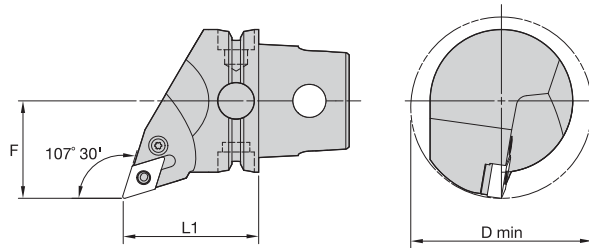
		L1				F							
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
2407969	KM63TSPDJNR11	60	2.362	43	1.693	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,95	2.10
2407971	KM63TSPDJNR15	60	2.362	43	1.693	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,94	2.08
2407970	KM63TSPDJNLR11	60	2.362	43	1.693	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,97	2.14
2407972	KM63TSPDJNLR15	60	2.362	43	1.693	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,94	2.08



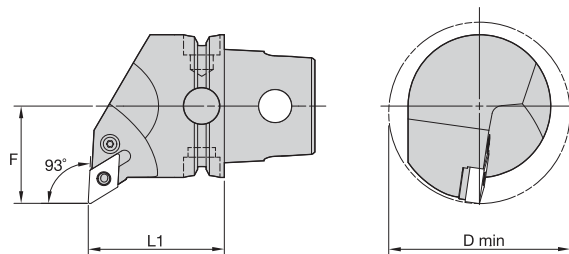
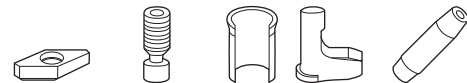
■ PDNN 63°



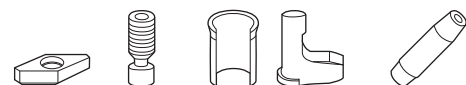
		L1				F							
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
2407973	KM63TSPDNNR11	60	2.362	0	.000	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,91	2.01
2407975	KM63TSPDNNR15	60	2.362	0	.000	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,84	1.86
2407974	KM63TSPDNNL11	60	2.362	0	.000	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,91	2.01
2407976	KM63TSPDNNL15	60	2.362	0	.000	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,85	1.86

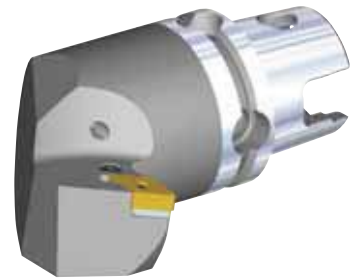
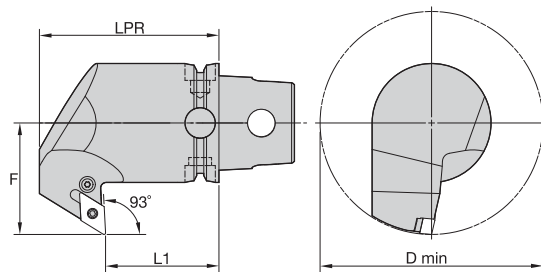

KM63TS Cutting Units
■ PDQN 107° 30'

		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
	right hand														
2407977	KM63TSPDQNR11	60	2.362	43	1.693	80	3.150	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	1,11	2.45
2407979	KM63TSPDQNR15	60	2.362	43	1.693	80	3.150	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,08	2.38
	left hand														
2407978	KM63TSPDQNL11	60	2.362	43	1.693	80	3.150	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	1,11	2.45
2407980	KM63TSPDQNL15	60	2.362	43	1.693	80	3.150	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,08	2.38


■ PDUN 93°

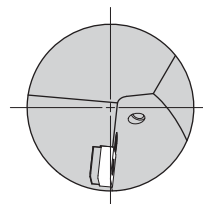
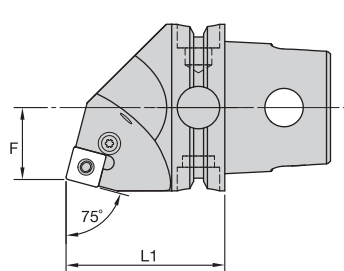
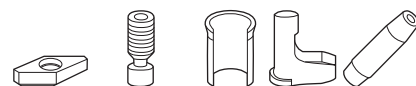
		L1		F		D min									
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
2407981	right hand KM63TSPDUNR11	60	2.362	43	1.693	80	3.150	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	1,19	2.62
2407983	left hand KM63TSPDUNR15	60	2.362	43	1.693	80	3.150	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,23	2.71
2407982	KM63TSPDUNL11	60	2.362	43	1.693	80	3.150	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	1,19	2.63
2407984	KM63TSPDUNL15	60	2.362	43	1.693	80	3.150	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,23	2.71





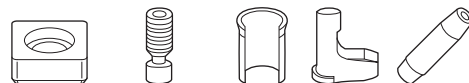
■ PDXN 93°

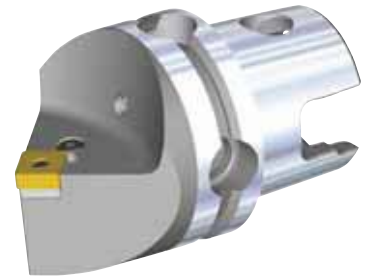
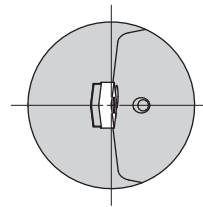
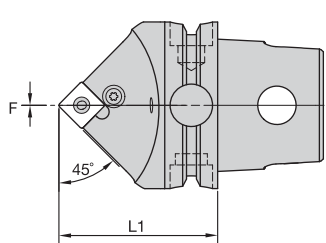
		L1		LPR		F		D min											
order number	catalog number	mm	in	mm	in	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs		
	right hand																		
2407992	KM63TSPDXNR15	60	2.362	95	3.740	59	2.323	118	4.646	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	2,21	4.85		
	left hand																		
2407993	KM63TSPDXNL15	60	2.362	95	3.740	59	2.323	118	4.646	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	2,21	4.85		



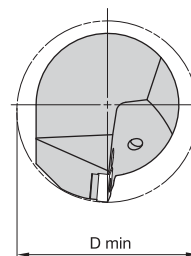
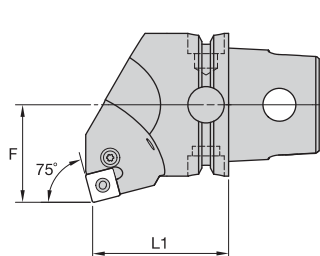
■ PSBN 75°

		L1 F											
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
right hand													
2407994	KM63TSPSBNR12	60	2.362	27	1.063	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	1,15	2.54
2407996	KM63TSPSBNR15	60	2.362	27	1.063	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	1,11	2.45
2407998	KM63TSPSBNR19	60	2.362	27	1.063	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,10	2.42
left hand													
2407995	KM63TSPSBNL12	60	2.362	27	1.063	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	1,10	2.42
2407997	KM63TSPSBNL15	60	2.362	27	1.063	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	1,10	2.42
2407999	KM63TSPSBNL19	60	2.362	27	1.063	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,10	2.42



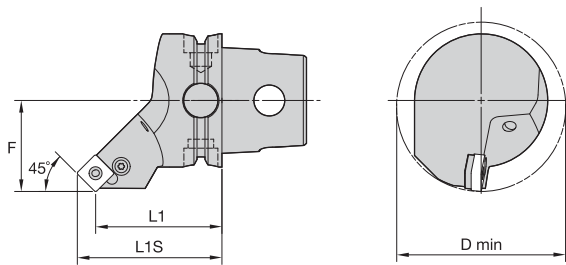

■ PSDN 45°

order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
2408000	KM63TSPSDNN12	60	2.362	0	.000	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,98	2.16
2408001	KM63TSPSDNN15	60	2.362	0	.000	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	1,01	2.23
2408002	KM63TSPSDNN19	60	2.362	0	.000	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	0,94	2.06

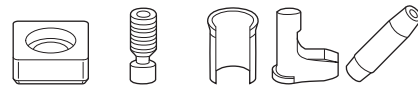

■ PSKN 75°

		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		
right hand																	
2408005	KM63TSPSKNR12	60	2.362	43	1.693	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	1,36	3.01		
2408007	KM63TSPSKNR15	60	2.362	43	1.693	80	3.150	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	1,39	3.06		
2408009	KM63TSPSKNR19	60	2.362	43	1.693	80	3.150	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,34	2.95		
left hand																	
2408006	KM63TSPSKNL12	60	2.362	43	1.693	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	1,36	3.00		
2408008	KM63TSPSKNL15	60	2.362	43	1.693	80	3.150	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	1,39	3.06		
2408010	KM63TSPSKNL19	60	2.362	43	1.693	80	3.150	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,34	2.95		

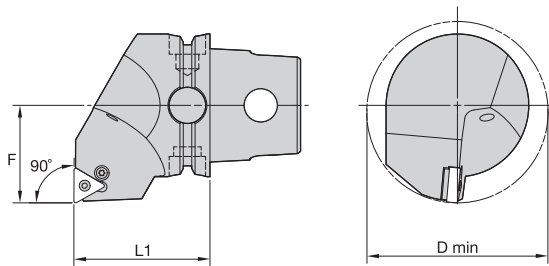




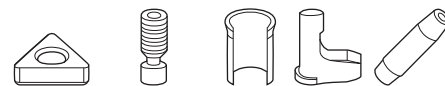
■ PSSN 45°



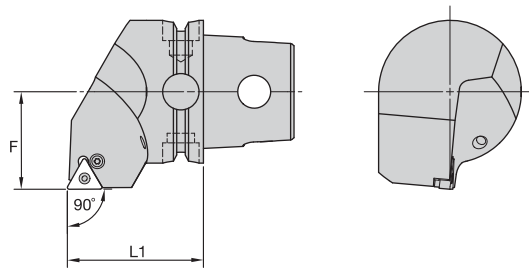
		L1		L1S		F		D min									
order number	catalog number	mm	in	mm	in	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
right hand																	
2408011	KM63TSPSSNR12	60	2.362	68,3	2.690	43	1.693	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	1,06	2.33
2408013	KM63TSPSSNR15	60	2.362	70,2	2.765	43	1.693	100	3.937	SN..150612/SN..543	512.025	514.125	513.025	511.025	515.022	1,05	2.32
2408015	KM63TSPSSNR19	60	2.362	72,5	2.854	43	1.693	100	3.937	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,13	2.50
left hand																	
2408012	KM63TSPSSNL12	60	2.362	68,3	2.690	43	1.693	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	1,06	2.33
2408016	KM63TSPSSNL19	60	2.362	72,5	2.854	43	1.693	100	3.937	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,13	2.50



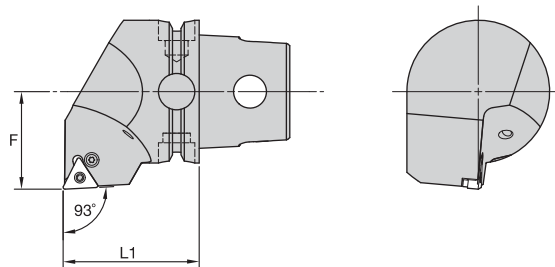
■ PTFN 90°



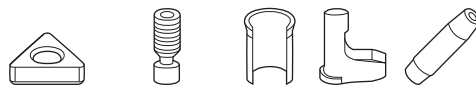
		L1		F		D min											
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs		
2408017	KM63TSPTFNR16	60	2.362	43	1.693	80	3.150	TN..160408/TN..332	512.013	514.118	513.018	511.018	515.018	1,26	2.77		
2408018	KM63TSPTFNL16	60	2.362	43	1.693	80	3.150	TN..160408/TN..332	512.013	514.118	513.018	511.018	515.018	1,30	2.86		
2408022	KM63TSPTFNL27	60	2.362	43	1.693	80	3.150	TN..270612/TN..543	512.031	514.128	513.025	511.028	515.022	1,27	2.81		


KM63TS Cutting Units
■ PTGN 90°

		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
right hand													
2408023	KM63TSPTGNR16	60	2.362	43	1.693	TN..160408/TN..332	512.013	514.118	513.018	511.018	515.018	1,30	2.87
2408025	KM63TSPTGNR22	60	2.362	43	1.693	TN..220408/TN..432	512.023	514.123	513.023	511.023	515.018	1,27	2.80
2408027	KM63TSPTGNR27	60	2.362	43	1.693	TN..270612/TN..543	512.031	514.128	513.025	511.028	515.022	1,27	2.80
left hand													
2408024	KM63TSPTGNL16	60	2.362	43	1.693	TN..160408/TN..332	512.013	514.118	513.018	511.018	515.018	1,28	2.82
2408026	KM63TSPTGNL22	60	2.362	43	1.693	TN..220408/TN..432	512.013	514.123	513.023	511.023	515.018	1,28	2.82
2408028	KM63TSPTGNL27	60	2.362	43	1.693	TN..270612/TN..543	512.031	514.128	513.025	511.028	515.022	1,27	2.80


■ PTJN 93°

		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
right hand													
2408029	KM63TSPTJNR16	60	2.362	43	1.693	TN..160408/TN..332	512.013	514.118	513.018	511.018	515.018	1,33	2.92
2408031	KM63TSPTJNR22	60	2.362	43	1.693	TN..220408/TN..432	512.023	514.123	513.023	511.023	515.018	1,30	2.86
2408033	KM63TSPTJNR27	60	2.362	43	1.693	TN..270612/TN..543	512.031	514.128	513.025	511.028	515.022	1,26	2.71
left hand													
2408030	KM63TSPTJNL16	60	2.362	43	1.693	TN..160408/TN..332	512.013	514.118	513.018	511.018	515.018	1,22	2.68
2408032	KM63TSPTJNL22	60	2.362	43	1.693	TN..220408/TN..432	512.023	514.123	513.023	511.023	515.018	1,30	2.86
2408034	KM63TSPTJNL27	60	2.362	43	1.693	TN..270612/TN..543	512.031	514.128	513.025	511.028	515.022	1.26	2.71

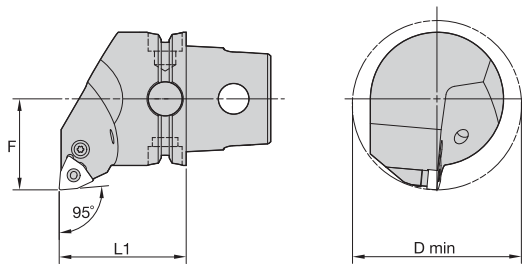


KM63TS™ Cutting Units

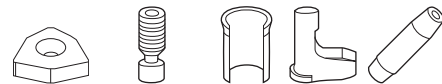
P-Clamping • S-Clamping



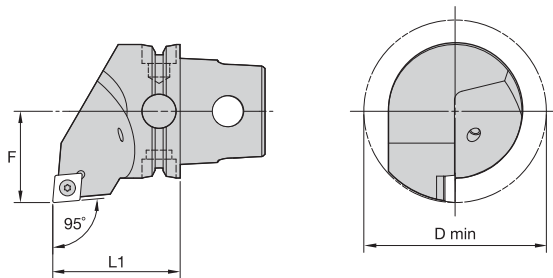
KM63TS Cutting Units



■ PWLN 95°



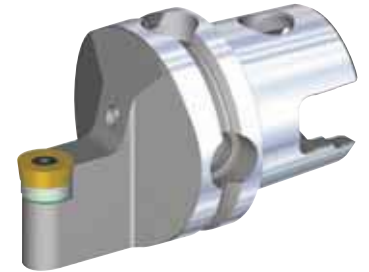
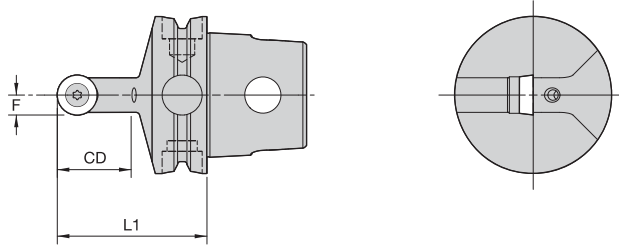
order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
	right hand														
2408035	KM63TSPWLNRO6	60	2.362	43	1.693	80	3.150	WN..060408/WN..332	512.134	514.118	513.018	511.018	515.018	1,33	2.94
2408037	KM63TSPWLNRO8	60	2.362	43	1.693	80	3.150	WN..080408/WN..432	512.135	514.123	513.023	511.023	515.018	1,24	2.74
	left hand														
2408036	KM63TSPWLNLO6	60	2.362	43	1.693	80	3.150	WN..060408/WN..332	512.134	514.118	513.018	511.018	515.018	1,33	2.94
2408038	KM63TSPWLNLO8	60	2.362	43	1.693	80	3.150	WN..080408/WN..432	512.135	514.123	513.023	511.023	515.018	1,24	2.74



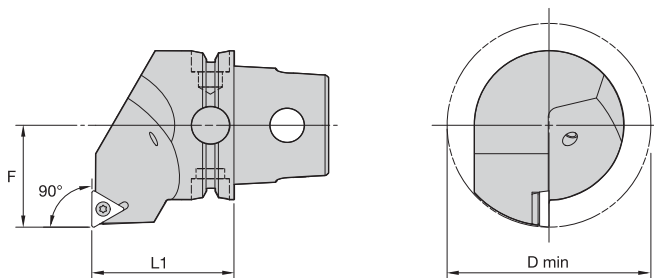
■ SCLC 95°



order number	catalog number	L1		F		D min		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in						
	right hand												
2414906	KM63TSSCLCR12	60	2.362	43	1.693	86	3.386	CC..120408/CC..432	MS1158	SKCP453	SRS4	1,14	2.52
	left hand												
2414907	KM63TSSCLCL12	60	2.362	43	1.693	86	3.386	CC..120408/CC..432	MS1158	SKCP453	SRS4	1,14	2.52

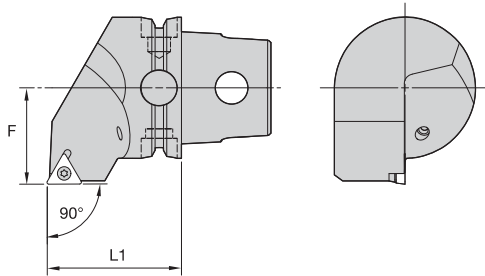

SRDC 0°

order number	catalog number	L1		F		CD		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in						
2414896	KM63TSSRDCN16	60	2.362	8	.315	33	1.299	RC..1605M0	MS1160	SKRN160400	SRS5	0,84	1.84


STFC 90°

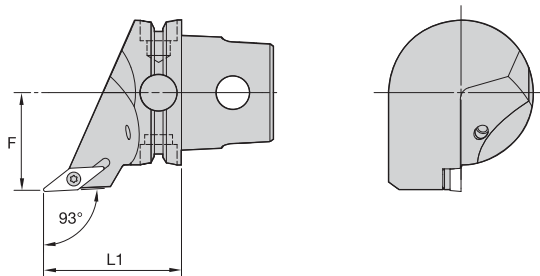
order number	catalog number	L1		F		D min		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in						
2414899	KM63TSSTFCR16	60	2.362	43	1.693	86	3.386	TC..16T308/TC..3252	MS1156	SKTP343	SRS3	1,23	2.72
2414900	KM63TSSTFCL16	60	2.362	43	1.693	86	3.386	TC..16T308/TC..3252	MS1156	SKTP343	SRS3	1,23	2.72





■ STGC 90°

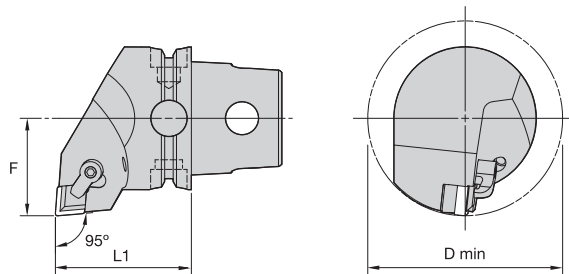
order number	catalog number	L1		F		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in						
2414903	right hand KM63TSSTGCR16	60	2.362	43	1.693	TC..16T308/TC..3252	MS1156	SKTP343	SRS3	1,22	2.69
2414904	left hand KM63TSSTGCL16	60	2.362	43	1.693	TC..16T308/TC..3252	MS1156	SKTP343	SRS3	1,22	2.69



■ SVJB 93°

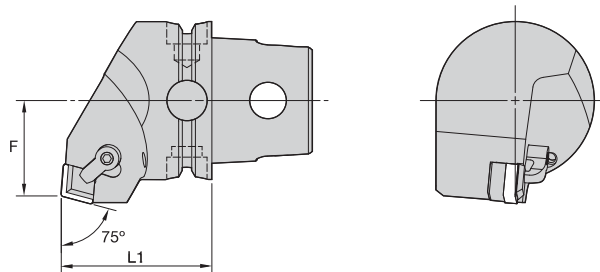
order number	catalog number	L1		F		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in						
2414905	right hand KM63TSSVJBR16	60	2.362	43	1.693	VB..160408/VB..332	MS1156	SKVN343	SRS3	0,92	2.02
2257151	left hand KM63TSSVJBL16	60	2.362	43	1.693	VB..160408/VB..332	MS1156	SKVN343	SRS3	0,92	2.02




■ 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							
	right hand													
3065821	KM63TSCCLNR12	60	2.362	43	1.693	86	3.386	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	1,23	2.70
3065883	KM63TSCCLNR16	60	2.362	43	1.693	86	3.386	CN..160612/CN.543	ICSN533	KMS5	CKM20	STCM11	1,21	2.68
	left hand													
3065820	KM63TSCCLNL12	60	2.362	43	1.693	86	3.386	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	1,23	2.71
3065822	KM63TSCCLNL16	60	2.362	43	1.693	86	3.386	CN..160612/CN.543	ICSN533	KMS5	CKM20	STCM11	1,21	2.68

NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.


■ CCRN 75°

order number	catalog number	L1		F		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
	right hand											
3065884	KM63TSCCRNR12	60	2.362	38	1.496	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	1,22	2.70
	left hand											
3065885	KM63TSCCRNL12	60	2.362	38	1.496	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	1,22	2.70
3065886	KM63TSCCRNL16	60	2.362	38	1.496	CN..160612/CN.543	ICSN533	KMS5	CKM20	STCM11	1,22	2.69

NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.

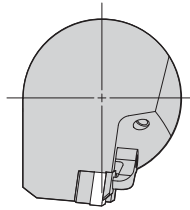
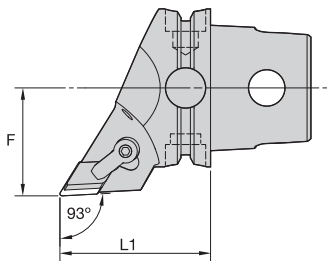


KM63TS™ Cutting Units

C-Clamping

WIDIA

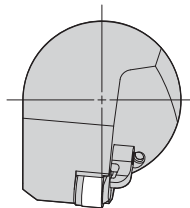
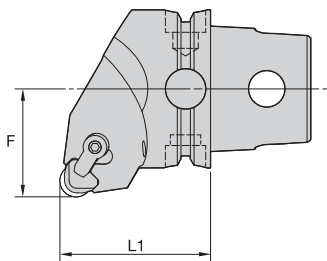
KM63TS Cutting Units



■ CDJN 93°

order number	catalog number	L1		F		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
	right hand											
3065887	KM63TSCDJNR1504	60	2.362	43	1.693	DN..150408/DN.432	IDSN442	KMS4	CKM23	STCM11	1,01	2.22
	left hand											
3065888	KM63TSCDJNL1504	60	2.362	43	1.693	DN..150408/DN.432	IDSN442	KMS4	CKM23	STCM11	1,01	2.22

NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.

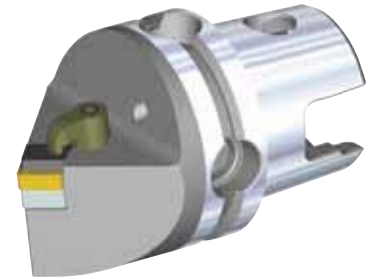
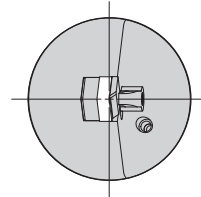
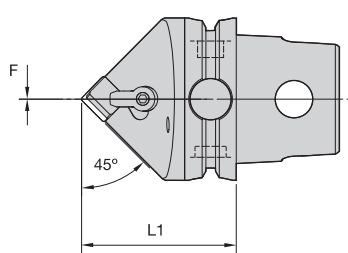


■ CRGN 0°

order number	catalog number	L1		F		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
	right hand											
3065900	KM63TSCRGNR12	60	2.362	43	1.693	RN..1207/RN.45	IRSN42	KMS4	CKM20	STCM11	1,23	2.72
	left hand											
3065899	KM63TSCRGNL12	60	2.362	43	1.693	RN..1207/RN.45	IRSN42	KMS4	CKM20	STCM11	1,23	2.72

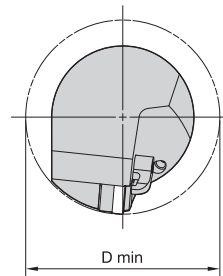
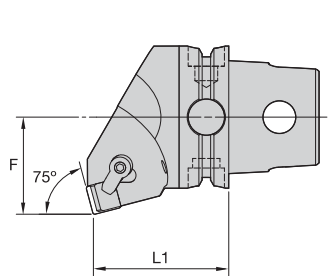
NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.

WIDIA


■ CSDN 45°

order number	catalog number	L1		F		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
	left hand											
3065889	KM63TSCSDNN12	60	2.362	0	.000	SN..120408/SN.432	ISSN442	KMS4	CKM20	STCM11	1,01	2.23
3065890	KM63TSCSDNN15	60	2.362	0	.000	SN..150612/SN.543	ISSN533	KMS5	CKM20	STCM11	1,01	2.22

NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.


■ CSKN 75°

order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
3065895	KM63TSCSKNR12	60	2.362	43	1.693	86	3.386	SN..120408/SN.432	ISSN442	KMS4	CKM20	STCM11	1,32	2.91
	left hand													
3065896	KM63TSCSKNL12	60	2.362	43	1.693	86	3.386	SN..120408/SN.432	ISSN442	KMS4	CKM20	STCM11	1,32	2.91

NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.

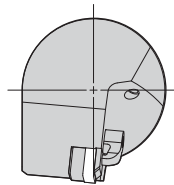
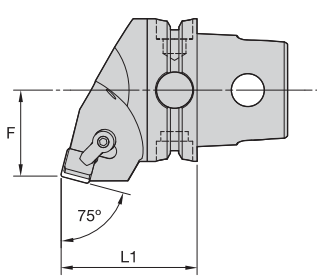


KM63TS™ Cutting Units

C-Clamping

WIDIA

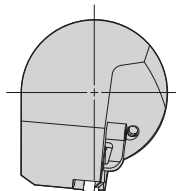
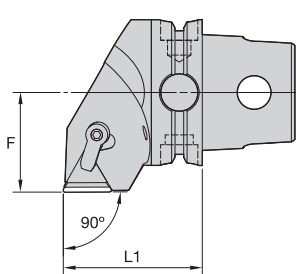
KM63TS Cutting Units



■ CSRN 75°

		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	shim screw	clamp	clamp screw	kg	lbs	
right hand													
3065891	KM63TSCSRNR12	60	2.362	38	1.496	SN..120408/SN.432	ISSN442	KMS4	CKM20	STCM11	1,20	2.64	
3065893	KM63TSCSRNR15	60	2.362	38	1.496	SN..150612/SN.543	ISSN533	KMS5	CKM20	STCM11	1,19	2.63	
left hand													
3065892	KM63TSCSRNL12	60	2.362	38	1.496	SN..120408/SN.432	ISSN442	KMS4	CKM20	STCM11	1,20	2.64	
3065894	KM63TSCSRNL15	60	2.362	38	1.496	SN..150612/SN.543	ISSN533	KMS5	CKM20	STCM11	1,19	2.63	

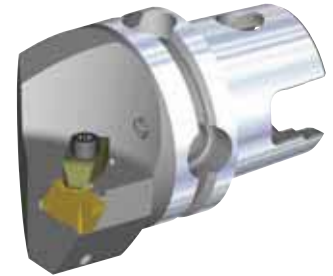
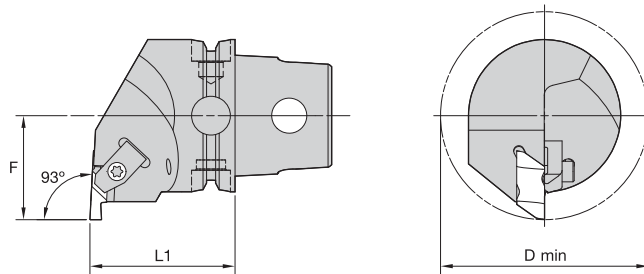
NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.



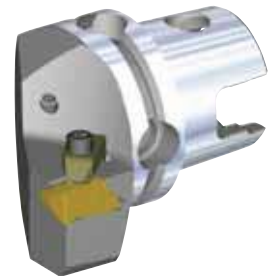
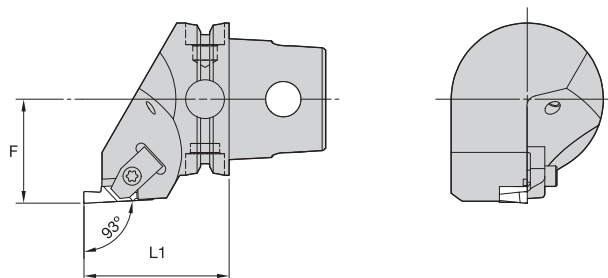
■ CTGN 90°

		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	shim screw	clamp	clamp screw	kg	lbs	
	right hand												
3065897	KM63TSCTGNR22	60	2.362	43	1.693	TN..220408/TN.432	ITSN433	KMS4	CKM23	STCM11	1,25	2.75	
	left hand												
3065898	KM63TSCTGNL22	60	2.362	43	1.693	TN..220408/TN.432	ITSN433	KMS4	CKM23	STCM11	1,24	2.73	

NOTE: Chipbreakers must be ordered separately. See the WIDIA Turning (A-09-02078) catalog.

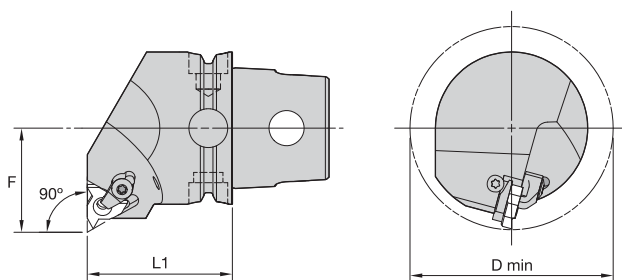

■ NE 93°

		L1		F		D min							
order number	catalog number	mm	in	mm	in	mm	in	gage insert	clamp	clamp screw	kg	lbs	
right hand													
2265406	KM63TSNER3	60	2.362	43	1.693	86	3.386	NG3L	CM73	MS1489	1,19	2.63	
2265408	KM63TSNER4	60	2.362	43	1.693	86	3.386	NG4L	CM73	MS1489	1,21	2.66	
2265410	KM63TSNER5	60	2.362	43	1.693	86	3.386	NG5L	CM81	MS1490	1,15	2.55	
left hand													
2265407	KM63TSNEL3	60	2.362	43	1.693	86	3.386	NG3R	CM72	MS1489	1,19	2.63	
2265409	KM63TSNEL4	60	2.362	43	1.693	86	3.386	NG4R	CM72	MS1489	1,21	2.66	
2265411	KM63TSNEL5	60	2.362	43	1.693	86	3.386	NG5R	CM80	MS1490	1,18	2.60	


■ NS 93°

		L1		F						
order number	catalog number	mm	in	mm	in	gage insert	clamp	clamp screw	kg	lbs
	right hand									
2265412	KM63TSNSR3	60	2.362	43	1.693	NG3R	CM72	MS1489	1,02	2.26
2265414	KM63TSNSR4	60	2.362	43	1.693	NG4R	CM72	MS1489	1,06	2.34
	left hand									
2265413	KM63TSNSL3	60	2.362	43	1.693	NG3L	CM73	MS1489	1,02	2.26
2265415	KM63TSNSL4	60	2.362	43	1.693	NG4L	CM73	MS1489	1,06	2.34

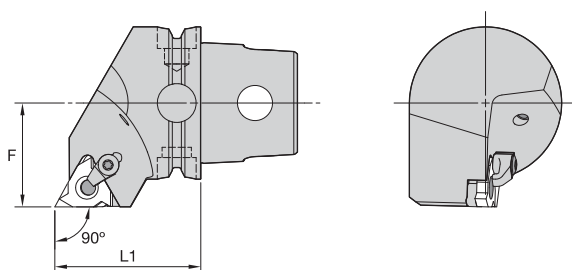




■ LSE-N 90° • Internal Only

		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															
2265416	KM63TSLSER16N	60	2.362	43	1.693	86	3.386	LT16NR	SSA3T	SMYI3	SSY3T	CKC3	1,34	2.96	
2265418	KM63TSLSER22N	60	2.362	43	1.693	86	3.386	LT22NR	SSA4T	SMYI4	SSY4T	CKC4	1,32	2.92	
3959387	KM63TSLSER27N	60	2.362	43	1.693	86	3.386	LT27NR	SSA5T	SMYI5	SSY5T	CKC5	1,38	3.05	
left hand															
2265417	KM63TSLSEL16N	60	2.362	43	1.693	86	3.386	LT16NL	SSA3T	SMYE3	SSY3T	CKC3	1,34	2.96	
2265419	KM63TSLSEL22N	60	2.362	43	1.693	86	3.386	LT22NL	SSA4T	SMYE4	SSY4T	CKC4	1,32	2.92	
3959386	KM63TSLSEL27N	60	2.362	43	1.693	86	3.386	LT27NL	SSA5T	SMYE5	SSY5T	CKC5	1,36	3.00	

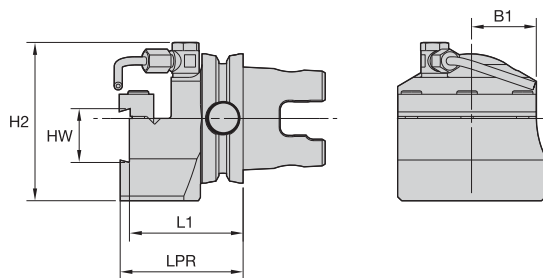
NOTE: Cutting units are supplied with insert screw and clamp assembly. However, tools are designed to use either the insert screw or the clamp assembly, not both.



■ 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												
2265420	KM63TSLSSR16	60	2.362	43	1.693	LT16ER	SSA3T	SMYE3	SSY3T	CKC3	1,21	2.68
2265422	KM63TSLSSR22	60	2.362	43	1.693	LT22ER	SSA4T	SMYE4	SSY4T	CKC4	1,20	2.64
3959389	KM63TSLSSR27	60	2.362	43	1.693	LT27ER	SSA5T	SMYE5	SSY5T	CKC5	1,19	2.61
left hand												
2265421	KM63TSLSSL16	60	2.362	43	1.693	LT16EL	SSA3T	SMYI3	SSY3T	CKC3	1,21	2.66
2265423	KM63TSLSSL22	60	2.362	43	1.693	LT22EL	SSA4T	SMYI4	SSY4T	CKC4	1,20	2.64
3959388	KM63TSLSSL27	60	2.362	43	1.693	LT27EL	SSA5T	SMYI5	SSY5T	CKC5	1,19	2.62

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.



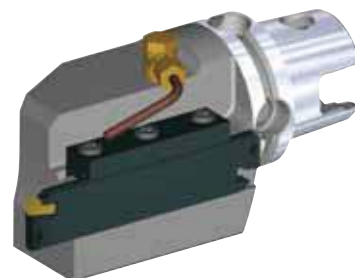
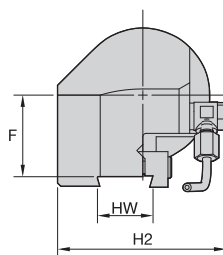
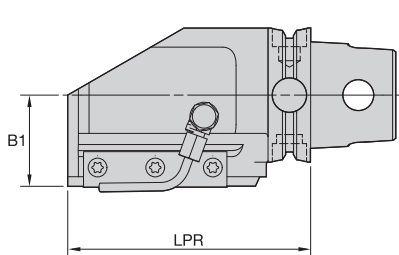
■ BE • End Mount

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				
2265372	right hand KM63TSBER4	55,3	2.177	60	2.35	63	2.48	26	1.02	32	1.24	26	A2BNSN26...	1,68	3.71
2265393	left hand KM63TSBEL4	55,3	2.177	60	2.35	63	2.48	26	1.02	32	1.24	26	A2BNSN26...	1,68	3.71

■ Spare Parts

catalog number				
	clamp	clamp screw	coolant tube	coolant swivel base
right hand KM63TSBER4	CGS4	MS1595	12649910900	12649910800
left hand KM63TSBEL4	CGS4	MS1595	12649910900	12649910800

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



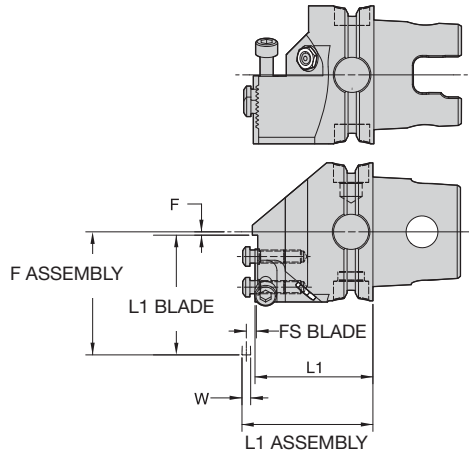
■ BS • Side Mount

order number	catalog number	F		LPR		H2		HW		B1		cartridge size	cartridge 1	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in				
	right hand														
2265394	KM63TSBSR4	38,3	1.508	114	4.49	79	3.11	26	1.02	43	1.69	26	A2BNSN26...	3,00	6.62
2265396	KM63TSBSR5	37,3	1.469	135	5.30	84	3.31	32	1.26	43	1.69	32	A2BNSN32...	3,73	8.23
	left hand														
2265395	KM63TSBSL4	38,3	1.508	114	4.49	79	3.11	26	1.02	43	1.69	26	A2BNSN26...	3,00	6.62
2265397	KM63TSBSL5	37,3	1.469	135	5.30	84	3.31	32	1.26	43	1.69	32	A2BNSN32...	3,73	8.23

■ Spare Parts

catalog number	clamp	clamp screw	coolant tube	coolant swivel base
right hand				
KM63TSBSR4	CGS4	MS1595	12649910900	12649910800
KM63TSBSR5	CGS5	MS1595	12649910900	12649910800
left hand				
KM63TSBSL4	CGS4	MS1595	12649910900	12649910800
KM63TSBSL5	CGS5	MS1595	12649910900	12649910800

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



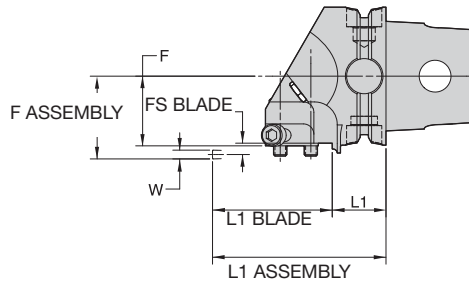
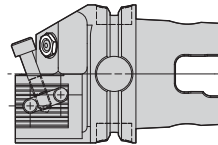
F ASSEMBLY = L1 BLADE - F
L1 ASSEMBLY = W/2 + L1 + FS BLADE - 0,787mm



■ WGME

order number	catalog number	L1		F		button-head cap screw	nozzle	socket-head cap screw	kg	lbs
		mm	in	mm	in					
3949903	right hand					606256	PMT08430	MS337	1,16	2.57
	KM63TSWGME55M		53,79	2.118	1,52	.060				
3949904	left hand					606256	PMT08430	MS337	1,16	2.57
	KM63TSWGME55M		53,79	2.118	1,52	.060				

NOTE: For SLS cartridges and WMT inserts, 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



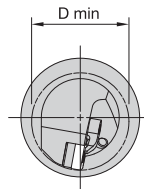
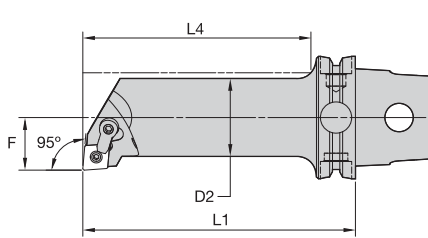
■ WGMS

order number	catalog number	L1		F		nozzle	socket-head cap screw	kg	lbs
		mm	in	mm	in				
3949851	right hand					PMT08430	MS1132PKG	1,12	2.46
	KM63TSWGMSR55M		24,52	.965	31,79	1.252			
3949852	left hand					PMT08430	MS1132PKG	1,12	2.46
	KM63TSWGMSL55M		24,52	.965	31,79	1.252			

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

KM63TS™ Internal Cutting Units

M-Clamping



■ MCLN 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													
2265329	KM63TSS25FMCLNR12	25	.98	32	1.26	17	.669	50	1.99	80	3.150	CN..120408/CN..432	0,90	1.99
2265327	KM63TSS25KMCLNR12	25	.98	32	1.26	17	.669	88	3.47	125	4.921	CN..120408/CN..432	1,14	2.52
2265343	KM63TSS32GMCLNR12	32	1.26	40	1.57	22	.866	62	2.44	90	3.543	CN..120408/CN..432	1,05	2.32
2265331	KM63TSS32LMCLNR12	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	CN..120408/CN..432	1,37	3.01
2265347	KM63TSS40HMCLNR12	40	1.57	50	1.97	27	1.063	77	3.04	100	3.937	CN..120408/CN..432	1,30	2.87
2265345	KM63TSS40LMCLNR12	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	CN..120408/CN..432	1,69	3.72
2265351	KM63TSS50KMCLNR12	50	1.97	63	2.48	35	1.378	104	4.11	125	4.921	CN..120408/CN..432	1,99	4.40
2265349	KM63TSS50PMCLNR12	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	CN..120408/CN..432	2,68	5.91
	left hand													
2265330	KM63TSS25FMCLNL12	25	.98	32	1.26	17	.669	50	1.99	80	3.150	CN..120408/CN..432	0,90	1.99
2265328	KM63TSS25KMCLNL12	25	.98	32	1.26	17	.669	88	3.47	125	4.921	CN..120408/CN..432	1,14	2.52
2265344	KM63TSS32GMCLNL12	32	1.26	40	1.57	22	.866	62	2.44	90	3.543	CN..120408/CN..432	1,06	2.34
2265332	KM63TSS32LMCLNL12	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	CN..120408/CN..432	1,37	3.01
2265348	KM63TSS40HMCLNL12	40	1.57	50	1.97	27	1.063	77	3.04	100	3.937	CN..120408/CN..432	1,33	2.93
2265346	KM63TSS40LMCLNL12	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	CN..120408/CN..432	1,69	3.72
2265352	KM63TSS50KMCLNL12	50	1.97	63	2.48	35	1.378	104	4.11	125	4.921	CN..120408/CN..432	2,01	4.43
2265350	KM63TSS50PMCLNL12	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	CN..120408/CN..432	2,68	5.91

(continued)

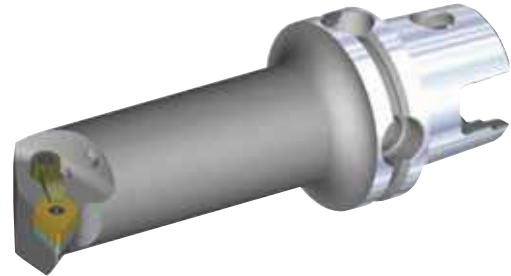
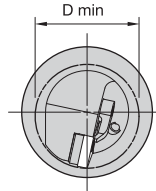
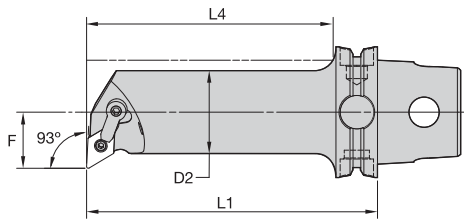
(MCLN 95° continued)

■ Spare Parts

				
catalog number	shim	lock pin	clamp	clamp screw
right hand				
KM63TSS25FMCLNR12	—	KLM43	CKM20LP	STCM11
KM63TSS25KMCLNR12	—	KLM43	CKM20LP	STCM11
KM63TSS32GMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS32LMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS40HMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS50KMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS50PMCLNR12	ICSN432	KLM46	CKM20LP	STCM11
left hand				
KM63TSS25FMCLNL12	—	KLM43	CKM20LP	STCM11
KM63TSS25KMCLNL12	—	KLM43	CKM20LP	STCM11
KM63TSS32GMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS32LMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS40HMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS40LMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS50KMCLNL12	ICSN432	KLM46	CKM20LP	STCM11
KM63TSS50PMCLNL12	ICSN432	KLM46	CKM20LP	STCM11

KM63TS™ Internal Cutting Units

M-Clamping



■ MDUN 93°

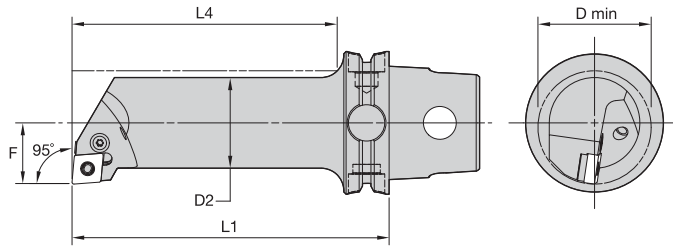
order number	catalog number	D2		D min		F		L4		L1		gage insert	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in			
	right hand													
2265355	KM63TSS25FMDUNR15	25	.98	32	1.26	17	.669	45	1.99	80	3.150	DN..150408/DN..432	0,95	2.09
2265353	KM63TSS25KMDUNR15	25	.98	32	1.26	17	.669	88	3.47	125	4.921	DN..150408/DN..432	1,13	2.50
2265359	KM63TSS32GMDUNR15	32	1.26	40	1.57	22	.866	62	2.44	90	3.543	DN..150408/DN..432	1,05	2.30
2265357	KM63TSS32LMDUNR15	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	DN..150408/DN..432	1,36	2.99
2265363	KM63TSS40HMDUNR15	40	1.57	50	1.97	27	1.063	77	3.04	100	3.937	DN..150408/DN..432	1,31	2.89
2265361	KM63TSS40LMDUNR15	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	DN..150408/DN..432	1,69	3.73
2265367	KM63TSS50KMDUNR15	50	1.97	63	2.48	35	1.378	104	4.11	125	4.921	DN..150408/DN..432	1,97	4.34
2265365	KM63TSS50PMDUNR15	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	DN..150408/DN..432	2,63	5.80
	left hand													
2265356	KM63TSS25FMDUNL15	25	.98	32	1.26	17	.669	45	1.99	80	3.150	DN..150408/DN..432	0,94	2.08
2265354	KM63TSS25KMDUNL15	25	.98	32	1.26	17	.669	88	3.47	125	4.921	DN..150408/DN..432	1,13	2.50
2265360	KM63TSS32GMDUNL15	32	1.26	40	1.57	22	.866	62	2.44	90	3.543	DN..150408/DN..432	1,05	2.30
2265358	KM63TSS32LMDUNL15	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	DN..150408/DN..432	1,36	2.99
2265364	KM63TSS40HMDUNL15	40	1.57	50	1.97	27	1.063	77	3.04	100	3.937	DN..150408/DN..432	1,32	2.90
2265362	KM63TSS40LMDUNL15	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	DN..150408/DN..432	1,70	3.74
2265368	KM63TSS50KMDUNL15	50	1.97	63	2.48	35	1.378	104	4.11	125	4.921	DN..150408/DN..432	1,97	4.34
2265366	KM63TSS50PMDUNL15	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	DN..150408/DN..432	2,63	5.80

(continued)

(MDUN 93° continued)

■ Spare Parts

catalog number	 shim	 lock pin	 clamp	 clamp screw
right hand				
KM63TSS25FMDUNR15	—	KLM43	CKM20LP	STCM11
KM63TSS25KMDUNR15	—	KLM43	CKM20LP	STCM11
KM63TSS32GMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS32LMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS40HMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS40LMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS50KMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS50PMDUNR15	IDSN432	KLM46	CKM23LP	STCM11
left hand				
KM63TSS25FMDUNL15	—	KLM43	CKM20LP	STCM11
KM63TSS25KMDUNL15	—	KLM43	CKM20LP	STCM11
KM63TSS32GMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS32LMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS40HMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS40LMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS50KMDUNL15	IDSN432	KLM46	CKM23LP	STCM11
KM63TSS50PMDUNL15	IDSN432	KLM46	CKM23LP	STCM11

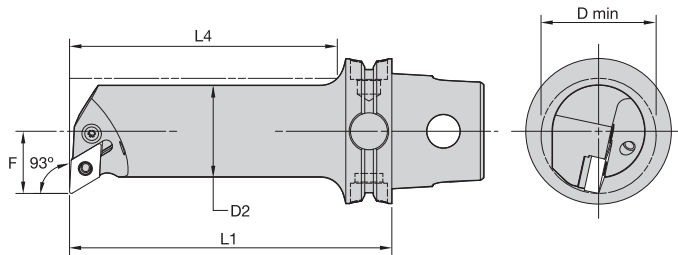


■ PCLN 95°

		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														
2407961	KM63TSS25KPDUNR11	25	.98	32	1.26	17	.669	88	3.47	125	4.921	CN..120408/CN..432	1,11	2.45
2407963	KM63TSS32LPCLNR12	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	CN..120408/CN..432	1,36	3.00
2407965	KM63TSS40LPCLNR12	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	CN..120408/CN..432	1,68	3.70
2407967	KM63TSS50PPCLNR12	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	CN..120408/CN..432	2,67	5.89
left hand														
2407962	KM63TSS25KPDUNL11	25	.98	32	1.26	17	.669	88	3.47	125	4.921	CN..120408/CN..432	1,13	2.50
2407964	KM63TSS32LPCLNL12	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	CN..120408/CN..432	1,36	3.00
2407966	KM63TSS32LPDUNR15	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	CN..120408/CN..432	1,68	3.70
2407968	KM63TSS32LPDUNL15	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	CN..120408/CN..432	2,67	5.89

■ Spare Parts

catalog number					
	shim	lever screw	shim pin	toggle lever	punch
right hand					
KM63TSS32LPCLNR12	512.112	514.123	513.023	511.023	515.018
KM63TSS50PPCLNR12	512.112	514.123	513.023	511.023	515.018
KM63TSS25KPDUNR11	—	514.122	—	511.022	—
KM63TSS40LPCLNR12	512.112	514.123	513.023	511.023	515.018
left hand					
KM63TSS32LPCLNL12	512.112	514.123	513.023	511.023	515.018
KM63TSS25KPDUNL11	—	514.122	—	511.022	—
KM63TSS32LPDUNR15	512.112	514.123	513.023	511.023	515.018
KM63TSS32LPDUNL15	512.112	514.123	513.023	511.023	515.018

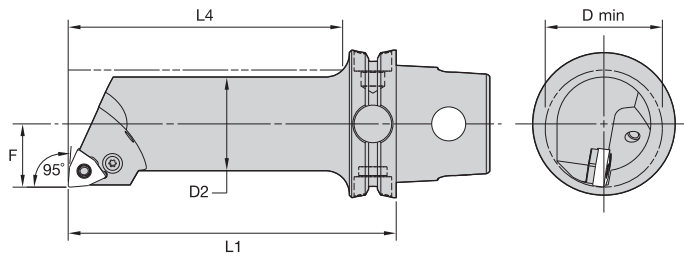


■ PDUN 93°

		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														
2407985	KM63TSS25KPDUNR11	25	.98	32	1.26	17	.669	89	3.49	125	4.921	DN..110408/DN..332	1,06	2.340
2407986	KM63TSS32LPDUNR15	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	DN..150608/DN..442	1,35	2.980
2407988	KM63TSS40LPDUNR15	40	1.57	50	1.97	27	1.063	117	4.62	140	5.512	DN..150608/DN..442	1,70	3.750
2407990	KM63TSS50PPDUNR15	50	1.97	63	2.48	35	1.378	149	5.87	170	6.693	DN..150608/DN..442	2,73	6.030
left hand														
2257147	KM63TSS25KPDUNL11	25	.98	32	1.26	17	.669	89	3.49	125	4.921	DN..110408/DN..332	1,06	2.340
2407987	KM63TSS32LPDUNL15	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	DN..150608/DN..442	1,35	2.970
2407989	KM63TSS40LPDUNL15	40	1.57	50	1.97	27	1.063	113	4.46	140	5.512	DN..150608/DN..442	1,70	3.750
2407991	KM63TSS50PPDUNL15	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	DN..150608/DN..442	2,73	6.030

■ Spare Parts

					
catalog number	shim	lever screw	shim pin	toggle lever	punch
right hand					
KM63TSS25KPDUNR11	—	514.112	—	511.015	—
KM63TSS32LPDUNR15	512.153	514.128	513.023	511.024	515.018
KM63TSS40LPDUNR15	512.153	514.128	513.023	511.024	515.018
KM63TSS50PPDUNR15	512.153	514.128	513.023	511.024	515.018
left hand					
KM63TSS25KPDUNL11	—	514.112	—	511.015	—
KM63TSS32LPDUNL15	512.153	514.128	513.023	511.024	515.018
KM63TSS40LPDUNL15	512.153	514.128	513.023	511.024	515.018
KM63TSS50PPDUNL15	512.153	514.128	513.023	511.024	515.018

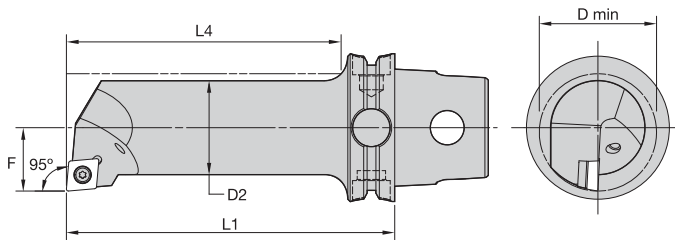


■ PWLN 95°

		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															
2408039	KM63TSS25KPWLNRO8	25	.98	32	1.26	17	.669	88	3.47	125	4.921	WN..080408/WN..432	1,14	2.52	
2408041	KM63TSS32LPWLNRO8	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	WN..080408/WN..432	1,36	2.99	
2408043	KM63TSS40LPWLNRO8	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	WN..080408/WN..432	1,67	3.67	
2408045	KM63TSS50PPWLNRO8	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	WN..080408/WN..432	2,62	5.77	
left hand															
2408040	KM63TSS25KPWLNLO8	25	.98	32	1.26	17	.669	88	3.47	125	4.921	WN..080408/WN..432	1,13	2.48	
2408042	KM63TSS32LPWLNLO8	32	1.26	40	1.57	22	.866	112	4.41	140	5.512	WN..080408/WN..432	1,36	2.99	
2408044	KM63TSS40LPWLNLO8	40	1.57	50	1.97	27	1.063	117	4.61	140	5.512	WN..080408/WN..432	1,67	3.67	
2408046	KM63TSS50PPWLNLO8	50	1.97	63	2.48	35	1.378	149	5.88	170	6.693	WN..080408/WN..432	2,61	5.75	

■ Spare Parts

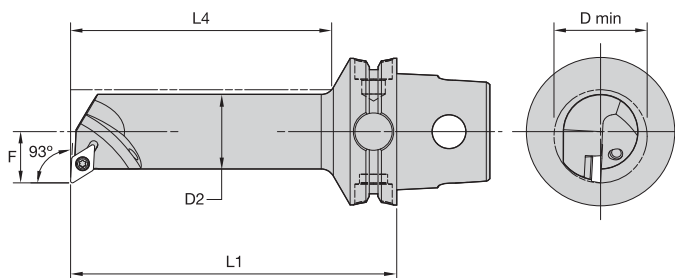
catalog number					
	shim	lever lock screw	shim pin	toggle lever	punch
right hand					
KM63TSS25KPWLNRO8	—	514.122	—	511.022	—
KM63TSS32LPWLNRO8	512.135	514.123	513.023	511.023	515.018
KM63TSS40LPWLNRO8	512.135	514.123	513.023	511.023	515.018
KM63TSS50PPWLNRO8	512.135	514.123	513.023	511.023	515.018
left hand					
KM63TSS25KPWLNLO8	—	514.122	—	511.022	—
KM63TSS32LPWLNLO8	512.135	514.123	513.023	511.023	515.018
KM63TSS40LPWLNLO8	512.135	514.123	513.023	511.023	515.018
KM63TSS50PPWLNLO8	512.135	514.123	513.023	511.023	515.018



KM63TS Internal Cutting Units


■ SCLC 95°

order number	catalog number	D2		D min		F		L4		L1		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in						
	right hand																
2414908	KM63TSS40LSCLCR12	40	1.57	50	1.97	27	1.063	117	4.612	140	5.512	CC..120408/CC..432	MS1158	SKCP453	SRS4	1,71	3.76
	left hand																
2414909	KM63TSS40LSCLCL12	40	1.57	50	1.97	27	1.063	117	4.612	140	5.512	CC..120408/CC..432	MS1158	SKCP453	SRS4	1,70	3.76


■ SDUC 93°

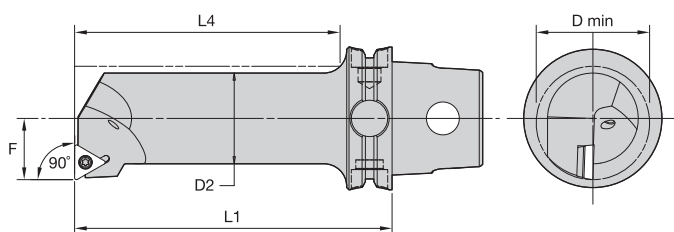
order number	catalog number	D2		D min		F		L4		L1		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in						
	right hand																
2414894	KM63TSS32LSUDCR11	32	1.26	40	1.57	22	.866	112	4.418	140	5.512	DC..11T308/DC..3252	MS1156	SKDP343	SRS3	1,35	2.98
	left hand																
2414895	KM63TSS32LSUDCL11	32	1.26	40	1.57	22	.866	112	4.418	140	5.512	DC..11T308/DC..3252	MS1156	SKDP343	SRS3	1,35	2.98



KM63TS™ Internal Cutting Units

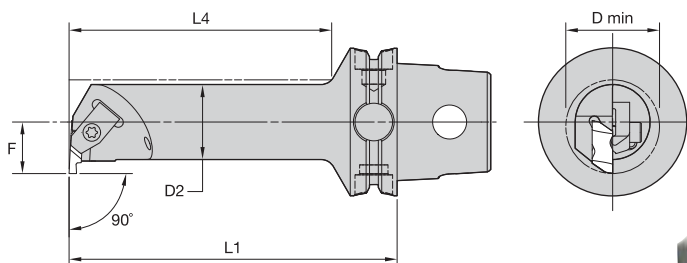
S-Clamping • TopThread™ and TopGroove™

WIDIA



■ STFC 90°

		D2		D min		F		L4		L1							
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	insert screw	shim	shim screw	kg	lbs
	right hand																
2414901	KM63TSS40LSTFCR16	40	1.57	50	1.97	27	1.063	117	4.612	140	5.512	TC..16T308/TC..3252	MS1156	SKTP343	SRS3	1,71	3.77
	left hand																
2414902	KM63TSS40LSTFCL16	40	1.57	50	1.97	27	1.063	117	4.612	140	5.512	TC..16T308/TC..3252	MS1156	SKTP343	SRS3	1,71	3.77



■ 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
2265369	right hand KM63TSS32LNER3	32	1.26	40	1.57	22	.866	112	4.412	140	5.512	NG3L	1,34	2.95
2265370	left hand KM63TSS32LNEL3	32	1.26	40	1.57	22	.866	112	4.412	140	5.512	NG3R	1,34	2.95

■ Spare Parts

catalog number	clamp	clamp screw
right hand		
KM63TSS32LNER3	CM73	MS1489
left hand		
KM63TSS32LNEL3	CM72	MS1489



Common Challenges in Internal Machining

Internal machining operations are very sensitive to chatter and vibrations.

Common challenges include:

- Unfavorable geometric circumstances.
- Machining at extended length-to-diameter ratios.

Additionally, internal machining offers little space for a stable tool and has restrictions for coolant supply and chip removal. These factors can lead to chattering, poor surface finish, noisy vibrations, and workpieces that are out of tolerance. WIDIA™ solves these problems with our portfolio of Tunable Boring Bars.

WIDIA Tunable Tooling

WIDIA Tunable Boring Bars are manufactured with an internal dampening package designed to eliminate chatter in deep-hole boring applications. We manufacture standard tunable bars and have extensive capabilities to design and produce almost any style of tunable product, including boring bars, extensions, holders, rotating adapters, and modular sections.



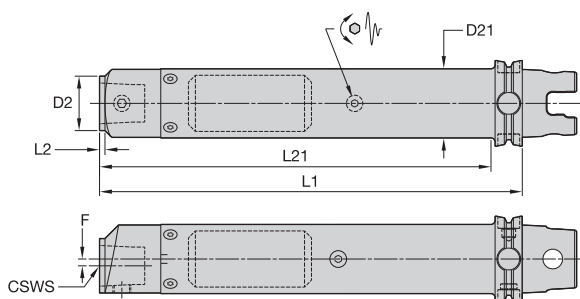
Advantages of WIDIA Tunable Tooling

The features of the WIDIA proprietary Tunable Boring Bar system provide significant advantages:

- **Optimal rigidity**
Improved surface quality and close tolerances due to vibration-free machining.
- **Increased productivity**
Larger depth of cut and better chip removal by up to 10:1 (steel) and 15:1 (carbide) length-to-diameter ratio.
- **Machining without chatter or vibration**
Less noise exposure and improved machining results.
- **Tunable damping mechanism**
Bar can be tuned on the machine, and tool can be adjusted to account for different vibration behavior.

KM63TS™ Shank Tools

Tunable Bar with KM Quick Change Connection



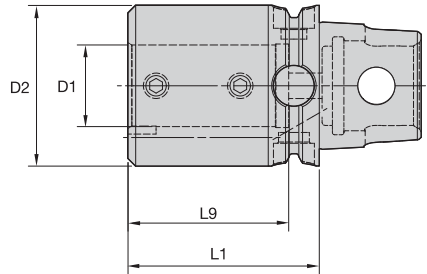
■ TTB • KM Tunable Bar • KM™

order number	catalog number	CSWS system size	D2		D21		F		L1		L2		L21	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
3901267	KM63TSD40TTB15KM40	KM40	40,00	1.575	63,50	2.500	11,75	.463	386,92	15.233	4,00	.157	386,92	15.233
3901269	KM63TSD32TTB16KM40	KM40	40,00	1.575	50,00	1.969	5,00	.197	412,32	16.233	4,00	.157	392,32	15.446
3901268	KM63TSD28TTB14KM40	KM40	40,00	1.575	44,45	1.750	0,00	.000	361,52	14.233	4,00	.157	341,52	13.446
3901270	KM63TSD40TTB20KM40	KM40	40,00	1.575	63,50	2.500	11,75	.463	513,92	20.233	4,00	.157	513,92	20.233
3901266	KM63TSD32TTB12KM40	KM40	40,00	1.575	50,00	1.969	5,00	.197	310,71	12.233	4,00	.157	290,71	11.445
3901265	KM63TSD24TTB9KM40	KM40	40,00	1.575	38,10	1.500	0,00	.000	234,55	9.234	214,55	8.447	—	—

NOTE: For technical information, refer to page K66.



KM63TS Shank Tools


■ 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
2269898	KM63TSBA10055M	10	40	55	48	MS1211	4mm	15	0,98
2269899	KM63TSBA12060M	12	40	60	52	MS1211	4mm	15	1,01
2269900	KM63TSBA16065M	16	40	65	55	MS1212	5mm	25	1,02
2269901	KM63TSBA20070M	20	40	70	58	MS1212	5mm	25	0,99
2269902	KM63TSBA25070M	25	50	70	58	MS1212	5mm	25	1,17
2269903	KM63TSBA32075M	32	63	75	63	MS1205	5mm	25	1,60
2255549	KM63TSBA40105M	40	70	105	75	MS1935	6mm	45	2,43

■ 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
2269893	KM63TSBA10256	5/8	1.58	2.559	2.17	S862	3/16	25	2.22
2269895	KM63TSBA16276	1	1.97	2.756	2.28	S862	3/16	25	2.54
2269891	KM63TSBA06217	3/8	1.58	2.165	1.89	S843	1/8	8	2.15
2269892	KM63TSBA08236	1/2	1.58	2.362	2.05	S852	5/32	15	2.21
2269894	KM63TSBA12276	3/4	1.58	2.756	2.28	S862	3/16	25	2.23
2269896	KM63TSBA20295	1 1/4	2.48	2.953	2.48	S863	3/16	25	3.41
2269897	KM63TSBA24413	1 1/2	2.76	4.134	2.95	S884	1/4	60	5.45

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

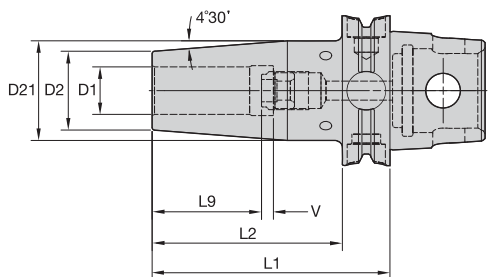
KM63TS™ Shank Tools

Shrink Fit Toolholders General Purpose (GP)



KM63TS Shank Tools

- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide and HSS cutting tools (requirements below).



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
6	h6	0,000/-0,008
8 & 10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016



■ HPV TT • Metric



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	kg
3869194	KM63TSHPVTT06080M	6	21	27	80	60	26	10	TTSS05014M	2,5mm	0,83
3869195	KM63TSHPVTT08080M	8	21	27	80	60	26	10	TTSS06014M	3mm	0,83
3869196	KM63TSHPVTT10090M	10	24	32	90	70	31	10	TTSS08014M	4mm	0,95
3869197	KM63TSHPVTT12090M	12	24	32	90	70	36	10	TTSS10014M	5mm	0,93
3869198	KM63TSHPVTT14100M	14	27	34	100	80	36	10	TTSS10014M	5mm	1,05
3869199	KM63TSHPVTT16100M	16	27	34	100	80	39	10	TTSS12014M	6mm	1,03
3869200	KM63TSHPVTT18100M	18	33	42	100	80	39	10	TTSS12014M	6mm	1,24
3869201	KM63TSHPVTT20100M	20	33	42	100	80	41	10	TTSS16014M	8mm	1,21
3869202	KM63TSHPVTT25120M	25	44	53	120	100	47	10	TTSS16014M	8mm	1,92
3869203	KM63TSHPVTT32120M	32	44	53	120	100	51	10	TTSS16014M	8mm	1,76

(continued)

(HPV TT continued)

 Cutting Tool Shank Requirements
 inch (industry standard)

cutting tool shank diameter	tolerance
1/4, 5/16, & 3/8	-.0001/- .0004
7/16, 1/2, 9/16, 5/8, & 11/16	.0000/- .0004
3/4, 7/8, 1, & 1-1/4	.0000/- .0005

■ HPV TT • Inch


order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3869253	KM63TSHPVTT025315	1/4	.827	1.059	3.150	2.362	1.024	.394	TTSS05014M	2,5mm	1.84
3869254	KM63TSHPVTT031315	5/16	.827	1.059	3.150	2.362	1.024	.394	TTSS06014M	3mm	1.82
3869255	KM63TSHPVTT038335	3/8	.945	1.256	3.347	2.559	1.221	.394	TTSS08014M	4mm	2.02
3869256	KM63TSHPVTT044354	7/16	.945	1.256	3.543	2.756	1.417	.394	TTSS10014M	5mm	2.06
3869257	KM63TSHPVTT050354	1/2	.945	1.256	3.543	2.756	1.417	.394	TTSS10014M	5mm	2.04
3869258	KM63TSHPVTT056354	9/16	1.063	1.335	3.543	2.756	1.417	.394	TTSS10014M	5mm	2.16
3869259	KM63TSHPVTT062374	5/8	1.063	1.335	3.740	2.953	1.535	.394	TTSS12014M	6mm	2.19
3869260	KM63TSHPVTT068374	11/16	1.299	1.650	3.740	2.953	1.535	.394	TTSS12014M	6mm	2.63
3869261	KM63TSHPVTT075394	3/4	1.299	1.650	3.937	3.150	1.614	.394	TTSS16014M	8mm	2.68
3869262	KM63TSHPVTT088394	7/8	1.299	1.650	3.937	3.150	1.614	.394	TTSS16014M	8mm	2.59
3869263	KM63TSHPVTT100453	1	1.732	2.083	4.528	3.740	1.850	.394	TTSS16014M	8mm	4.03
3869264	KM63TSHPVTT125472	1 1/4	1.732	2.083	4.724	3.937	2.008	.394	TTSS16014M	8mm	3.88

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Shrink Fit technical section, see page K56.

Supplied with stop screw.

Adjusting stop screw gage, see page K59.

Shrink Fit accessories, see page J2.

Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) is available.

Order number is MS1276PKG and must be ordered separately.

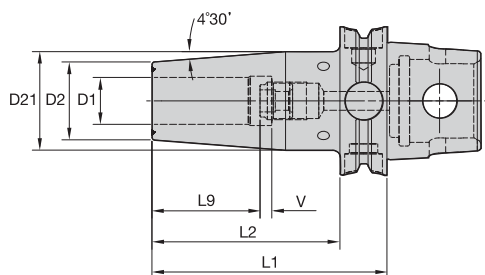
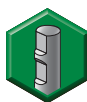
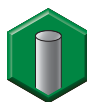
KM63TS™ Shank Tools

Shrink Fit Toolholders High Torque (HT)



KM63TS Shank Tools

- 30–50% higher clamping torque compared to GP line.
- Balanceable — fine tune with optional M6 set screws.
- Suitable for carbide only, designated by groove in front face (requirements below).
- 10 kW power or greater Shrink Fit device must be used.



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000 -0,016



■ HPV TT HT • Metric



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	kg
3869209	KM63TSHPVTTHT12090M	12	24	1	90	70	36	10	TTSS10014M	5mm	0,93
3869210	KM63TSHPVTTHT14100M	14	27	1	100	80	36	10	TTSS10014M	5mm	1,05
3869211	KM63TSHPVTTHT16100M	16	27	1	100	80	39	10	TTSS12014M	6mm	1,03
3869212	KM63TSHPVTTHT18100M	18	33	2	100	80	39	10	TTSS12014M	6mm	1,24
3869213	KM63TSHPVTTHT20100M	20	33	2	100	80	41	10	TTSS16014M	8mm	1,21
3869214	KM63TSHPVTTHT25120M	25	44	2	120	100	47	10	TTSS16014M	8mm	1,92
3869215	KM63TSHPVTTHT32120M	32	44	2	120	100	51	10	TTSS16014M	8mm	1,76

(continued)

(HPV TT HT continued)

Cutting Tool Shank Requirements
inch (industry standard)

cutting tool shank diameter	tolerance
1/2, 9/16, 5/8, & 11/16	.0000/- .0004
3/4, 7/8, 1, & 1-1/4	.0000/- .0005

■ HPV TT HT • Inch



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3869234	KM63TSHPVTTHT050354	1/2	.945	1.256	3.543	2.756	1.417	.394	TTSS10014M	5mm	2.04
3869235	KM63TSHPVTTHT056354	9/16	1.063	1.335	3.543	2.756	1.417	.394	TTSS10014M	5mm	2.16
3869236	KM63TSHPVTTHT062374	5/8	1.063	1.335	3.740	2.953	1.535	.394	TTSS12014M	6mm	2.19
3869237	KM63TSHPVTTHT068374	11/16	1.299	1.650	3.740	2.953	1.535	.394	TTSS12014M	6mm	2.63
3869238	KM63TSHPVTTHT075394	3/4	1.299	1.650	3.937	3.150	1.614	.394	TTSS16014M	8mm	2.68
3869239	KM63TSHPVTTHT088394	7/8	1.299	1.650	3.937	3.150	1.614	.394	TTSS16014M	8mm	2.59
3869240	KM63TSHPVTTHT100453	1	1.732	2.083	4.528	3.740	1.850	.394	TTSS16014M	8mm	4.03
3869241	KM63TSHPVTTHT125472	1 1/4	1.732	2.083	4.724	3.937	2.008	.394	TTSS16014M	8mm	3.88

NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Shrink Fit technical section, see page K56.

Supplied with stop screw.

Adjusting stop screw gage, see page K59.

Shrink Fit accessories, see page J2.

Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) is available.

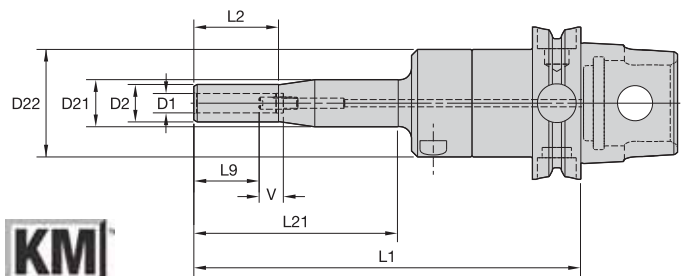
Order number is MS1276PKG and must be ordered separately.

KM63TS™ Shank Tools

Hydraulic Chucks Slim Line

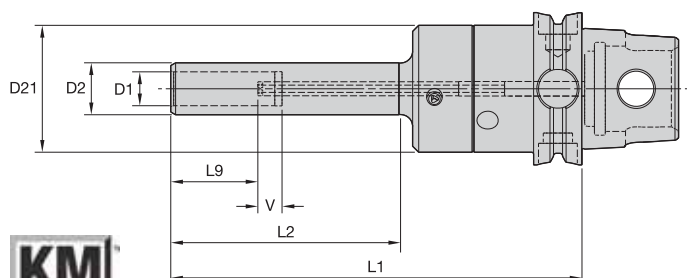


KM63TS Shank Tools



■ HCSLT • Metric

order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size stop screw	kg
3055503	KM63TSHCSLT06160M	6	14	20	44	160	35	85	27	10	170.135	5 mm	170.002	2.5 mm	1,36
3055504	KM63TSHCSLT08160M	8	16	20	44	160	35	85	27	10	170.135	5 mm	170.002	2.5 mm	1,37
3055505	KM63TSHCSLT10160M	10	18	44	—	160	85	140	31	10	170.135	5 mm	170.003	3 mm	1,35

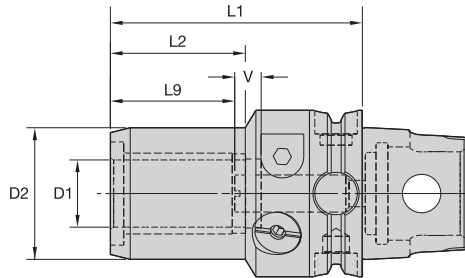


■ HCSL • Metric

order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length adjustment wrench	wrench size stop screw	kg
3055506	KM63TSHCSL12170M	12	20	44	170	95	36	10	170.135	5mm	170.002	2,5mm	1,40
3055507	KM63TSHCSL14170M	14	22	52	170	95	36	10	170.135	5mm	170.002	2,5mm	1,66
3055508	KM63TSHCSL16170M	16	24	52	170	95	39	10	170.135	5mm	170.002	2,5mm	1,67
3055509	KM63TSHCSL18170M	18	26	52	170	95	39	10	170.135	5mm	170.002	2,5mm	1,71
3055510	KM63TSHCSL20170M	20	28	52	170	95	41	10	170.135	5mm	170.002	2,5mm	1,75

NOTE: Do not overtorque clamp screw. Use supplied wrench and 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.




■ 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
2388650	KM63TSHC06070M	6	26	70	33	27	10	170.135	5mm	170.002	2,5mm	1,08
2388651	KM63TSHC08070M	8	28	70	33	27	10	170.135	5mm	170.002	2,5mm	1,10
2388652	KM63TSHC10075M	10	30	75	36	31	10	170.135	5mm	170.002	2,5mm	1,17
2388653	KM63TSHC12080M	12	32	80	41	36	10	170.135	5mm	170.002	2,5mm	1,21
2388654	KM63TSHC14080M	14	34	80	43	36	10	170.135	5mm	170.003	2,5mm	1,18
2388655	KM63TSHC16080M	16	38	80	48	39	10	170.135	5mm	170.003	3mm	1,17
2388656	KM63TSHC18080M	18	40	80	47	39	10	170.135	5mm	170.003	3mm	1,19
2388657	KM63TSHC20085M	20	42	85	48	41	10	170.135	5mm	170.003	3mm	1,32
2388658	KM63TSHC25095M	25	50	95	51	47	10	170.136	6mm	170.004	4mm	1,64
2388659	KM63TSHC32100M	32	60	100	59	51	10	170.136	6mm	170.004	4mm	1,92

■ HC • Inch


order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length adjustment wrench	wrench size stop screw	lbs
2388643	KM63TSHC025288	1/4	1.01	2.875	1.30	1.06	.39	170.135	5mm	170.002	2,5mm	2.53
2388644	KM63TSHC038300	3/8	1.17	3.000	1.42	1.22	.39	170.135	5mm	170.002	2,5mm	2.64
2388645	KM63TSHC050325	1/2	1.24	3.250	1.61	1.42	.39	170.135	5mm	170.002	2,5mm	2.79
2388646	KM63TSHC062325	5/8	1.48	3.250	1.87	1.54	.39	170.135	5mm	170.003	3mm	2.71
2388647	KM63TSHC075338	3/4	1.64	3.375	1.89	1.61	.39	170.135	5mm	170.003	3mm	2.97
2388648	KM63TSHC100375	1	1.96	3.750	2.01	1.85	.39	170.136	6mm	170.004	4mm	3.61
2388649	KM63TSHC125400	1 1/4	2.35	4.000	2.32	2.01	.39	170.136	6mm	170.004	4mm	4.33

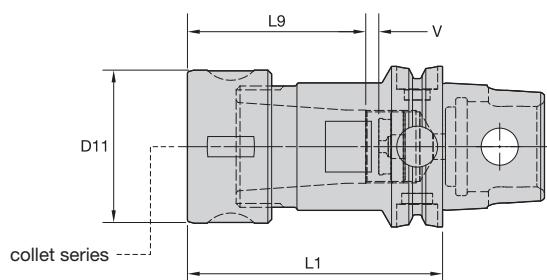
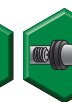
NOTE: Do not overtorque clamp screw. Tighten by hand until stop is felt.
 Hydraulic chuck technical section, see page K60.
 Supplied with stop screw.
 Reduction sleeves are available and must be ordered separately; see page I2.

KM63TS™ Shank Tools

TG Single-Angle Collet Chucks



- Tremendous Grip (3:1 advantage).



TG collet series	Collet Capacity		mm		inch	
	min	max	min	max	min	max
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		
2384711	KM63TSTG100100M	TG100	60	2.36	100	3.937	69,0	2.72	9	.36	1,54	3.40

■ Spare Parts



catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw
KM63TSTG100100M	LNA100M	HSW58M	203	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.

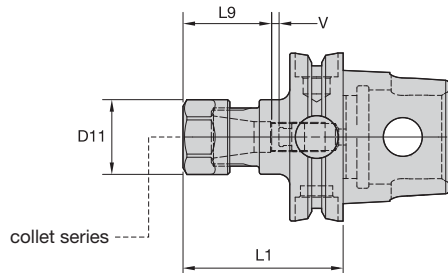
Stop screw coolant caps are available and must be ordered separately; see page J22.

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.

- Grip (2:1 advantage).



KM63TS Shank Tools



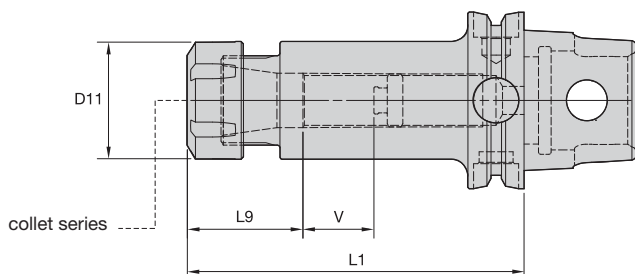
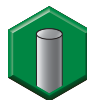
ER collet series	Collet Capacity		mm		inch	
	min	max	min	max	min	max
ER16	0,5	10,0	.02	.41		

■ Collet Chuck • Hex Nut

order number	catalog number	collet series	D11		L1		L9		V		locknut	OEW	stop screw	counterbore collet torque		straight collet torque		kg	lbs
			mm	in	mm	in	mm	in	mm	in				Nm	ft. lbs.	Nm	ft. lbs.		
2255039	KM63TSER16060M	ER16	28	1.10	60	2.362	32	1.26	13	.51	LNHSE16M	OEW25M	SS044038G	40	30	56	42	0,73	1.61
2255041	KM63TSER16120M	ER16	28	1.10	120	4.724	32	1.26	48	1.89	LNHSE16M	OEW25M	SS044038G	40	30	56	42	0,98	2.17

(continued)

(Collet Chuck continued)



ER collet series	mm		inch	
	min	max	min	max
ER25	1,0	16,0	.04	.63
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00

■ Collet Chuck • Round Nut

order number	catalog number	collet series	D11		L1		L9		V		locknut	wrench	stop screw	Nm ft. lbs.		kg lbs	
			mm	in	mm	in	mm	in	mm	in							
2255042	KM63TSER25065M	ER25	42	1.65	65	2.559	40,0	1.57	—	—	LNSER25M	ER25WM	—	104	77	0,88	1.93
2255053	KM63TSER25120M	ER25	42	1.65	120	4.724	40,0	1.57	47	1.85	LNSER25M	ER25WM	SS075041G	104	77	1,37	3.03
2255551	KM63TSER32065M	ER32	50	1.97	65	2.559	46,0	1.81	—	—	LNSER32M	ER32WM	—	136	100	0,94	2.08
2253812	KM63TSER32120M	ER32	50	1.97	120	4.724	46,0	1.81	34	1.34	LNSER32M	ER32WM	SS094041G	136	100	1,64	3.62
2255056	KM63TSER40065M	ER40	63	2.48	65	2.559	52,0	2.05	—	—	LNSER40M	ER40WM	—	176	130	1,04	2.30

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.

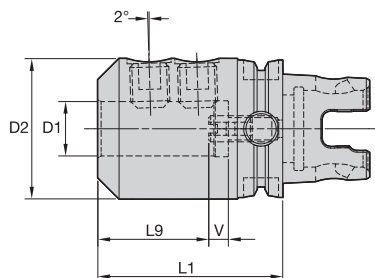
Interchangeable coolant-style locknuts and coolant disks are available and must be ordered separately; see page J9.

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.



KM63TS Shank Tools

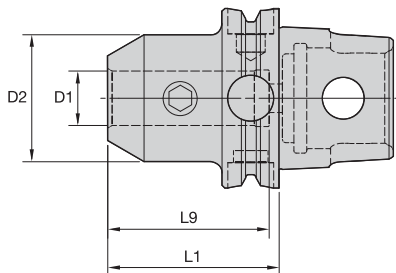
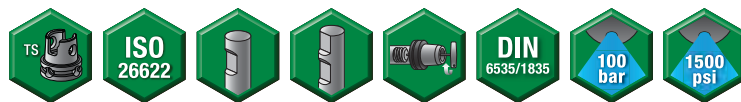


■ WN • Whistle Notch Adapter



order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
2253809	KM63TSWN20080M	20	52	80	45	10	SS03M026	8mm	95	571.063	5mm	1,41
2253810	KM63TSWN25085M	25	65	85	50	10	SS03M027	10mm	135	571.069	6mm	1,95
2253905	KM63TSWN32095M	32	72	95	54	10	SS03M029	10mm	160	571.069	6mm	2,46

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.



■ EM • Metric



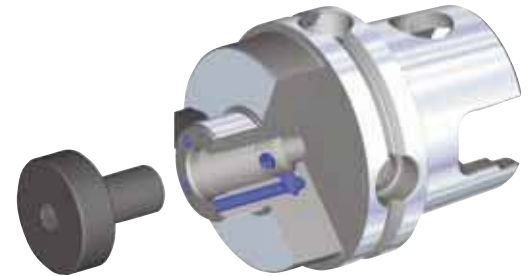
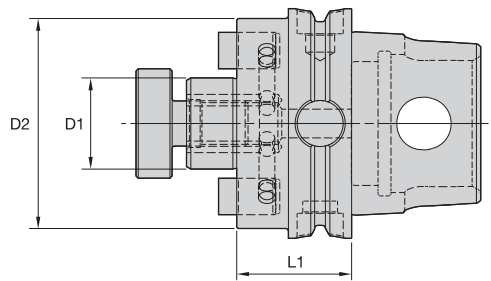
order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
2253910	KM63TSEM12055M	12	42	55	50	SS03M023	6mm	35	0,91
2253676	KM63TSEM16060M	16	48	60	53	SS03M025	6mm	50	1,05
2269911	KM63TSEM20060M	20	52	60	55	SS03M026	8mm	95	1,10
2258495	KM63TSEM25080M	25	65	80	60	SS03M027	10mm	135	1,82
2255038	KM63TSEM32090M	32	72	90	65	SS03M029	10mm	160	2,31
2269912	KM63TSEM40095M	40	80	95	75	SS03M029	10mm	160	2,74

■ EM • Inch



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
2269904	KM63TSEM050216	1/2	1.38	2.165	1.97	ELS044038PKG	7/32	20	1.76
2269905	KM63TSEM062236	5/8	1.63	2.362	2.09	ELS056050PKG	1/4	40	2.04
2269906	KM63TSEM075236	3/4	1.75	2.362	2.22	ELS062050PKG	5/16	70	2.07
2269907	KM63TSEM088236	7/8	2.00	2.362	2.22	ELS062050PKG	5/16	70	2.28
2269908	KM63TSEM100315	1	2.00	3.150	2.46	ELS075056PKG	3/8	110	2.80
2269909	KM63TSEM125354	1 1/4	2.50	3.543	2.51	ELS075062PKG	3/8	110	4.13
2269910	KM63TSEM150374	1 1/2	2.75	3.740	2.93	ELS075069PKG	3/8	110	4.68

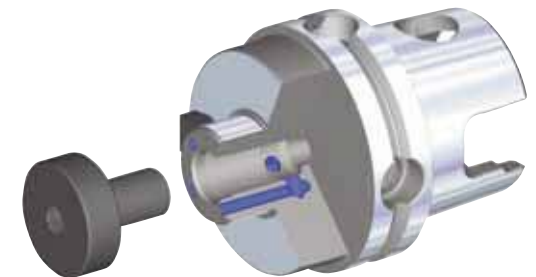
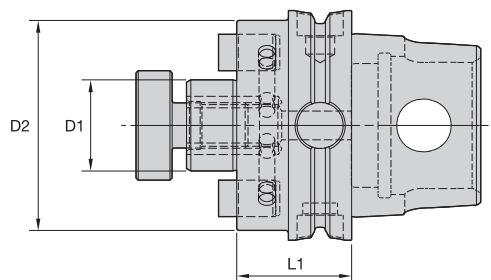
NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw.
 Lock screw wrench not included.



KM63TS Shank Tools

■ SMC • Metric

order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3950894	KM63TSSMC22028M	22	49	28	MS1234	KDK22M	8mm	0,81
3950895	KM63TSSMC27032M	27	60	32	KLSS27M	KDK27M	10mm	1,02
3950896	KM63TSSMC32040M	32	78	40	KLSS32M	KDK32M	14mm	1,56
3950897	KM63TSSMC40045M	40	89	45	KLSS40M	KDK40M	17mm	2,10



■ SMC • Inch

order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	lbs
3950864	KM63TSSMC050102	1/2	1.44	1.024	KLS05	KDK04	3/16	1.53
3950866	KM63TSSM2C075126	3/4	1.46	1.260	KLS07	—	1/4	1.77
3950865	KM63TSSMC075126	3/4	1.75	1.260	KLS07	KDK05	1/4	1.84
3950868	KM63TSSM2C100126	1	2.19	1.260	KLS10	KDK06	5/16	2.10
3950867	KM63TSSMC100126	1	2.75	1.260	KLS10	KDK06	5/16	2.35
3950869	KM63TSSMC125157	1 1/4	2.88	1.575	KLS12	KDK08	5/16	3.19
3950870	KM63TSSMC150177	1 1/2	3.81	1.772	KLS15	KDK10	3/8	4.86



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.

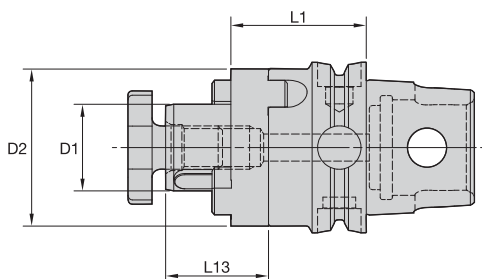
Lock screw wrench not included.

KM63TS™ Shank Tools

CS Combi-Type Shell Mill Adapters • Top Cut Plus™ and Top Cut Drill™ Adapters



KM63TS Shank Tools

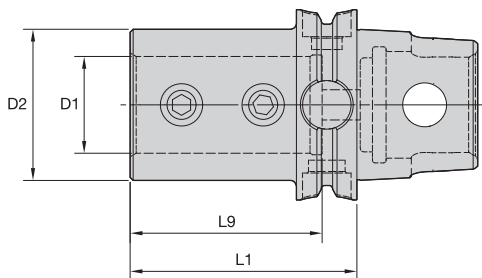


■ CS • Metric



order number	catalog number	D1	D2	L1	L13	lock screw	combi driver	combi drive key	kg
2384735	KM63TSCS27040M	27	48	40	21	KLS27MPKG	CDR27M	CDK27M	1,03
2384736	KM63TSCS32050M	32	58	50	24	KLS32M	CDR32M	CDK32M	1,43
2384737	KM63TSCS40050M	40	70	50	27	KLS40M	CDR40M	CDK40M	1,87

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



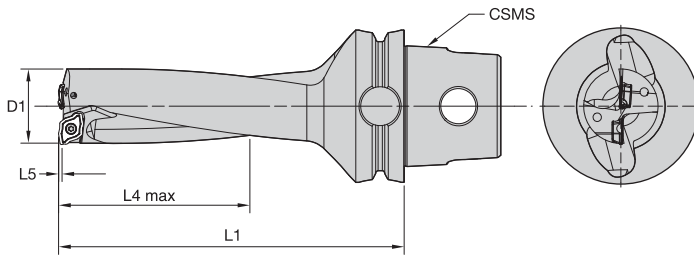
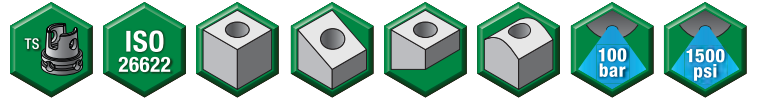
■ DAT • Metric



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
3959949	KM63TSDAT2575M	25	45	75	60	12166903700	6mm	40	12166903900	6mm	40	1,06
3959950	KM63TSDAT32075M	32	50	75	64	12166903700	6mm	40	12166903900	6mm	40	1,06
3959951	KM63TSDAT40095M	40	60	95	74	12166903800	8mm	50	12166904000	8mm	50	1,53

NOTE: Do not overtighten clamp screw; use torque recommendations above.
Supplied with clamping screw.
Clamp screw wrench is not included.
Cone point screw to be tightened first.





KM63TS Shank Tools

■ 3 x D • Metric


order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898417	KM63TSTCP350R3M	KM63TS	35,0	154,0	105,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898418	KM63TSTCP360R3M	KM63TS	36,0	157,0	108,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898419	KM63TSTCP370R3M	KM63TS	37,0	161,0	111,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898420	KM63TSTCP380R3M	KM63TS	38,0	165,0	114,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898421	KM63TSTCP390R3M	KM63TS	39,0	169,0	117,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898423	KM63TSTCP400R3M	KM63TS	40,0	172,0	120,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898424	KM63TSTCP410R3M	KM63TS	41,0	176,0	123,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898425	KM63TSTCP420R3M	KM63TS	42,0	180,0	126,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898426	KM63TSTCP430R3M	KM63TS	43,0	184,0	129,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898427	KM63TSTCP440R3M	KM63TS	44,0	187,0	132,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898428	KM63TSTCP450R3M	KM63TS	45,0	191,0	135,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898429	KM63TSTCP460R3M	KM63TS	46,0	195,0	138,0	1,48	XOMT160508	12148007200	12148082400	T20
3898430	KM63TSTCP470R3M	KM63TS	47,0	199,0	141,0	1,48	XOMT160508	12148007200	12148007500	T20
3898431	KM63TSTCP480R3M	KM63TS	48,0	202,0	144,0	1,48	XOMT160508	12148007200	12148007500	T20
3898432	KM63TSTCP490R3M	KM63TS	49,0	206,0	147,0	1,48	XOMT160508	12148007200	12148007500	T20
3898433	KM63TSTCP500R3M	KM63TS	50,0	210,0	150,0	1,48	XOMT160508	12148007200	12148007500	T20

■ 3 x D • Inch


order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898457	KM63TSTCP1250R3	KM63TS	1.250	5.625	3.750	.028	XOMT09T306	12148067200	12148086600	T8
3898458	KM63TSTCP1313R3	KM63TS	1.313	5.750	3.939	.028	XOMT09T306	12148067200	12148086600	T8
3898459	KM63TSTCP1375R3	KM63TS	1.375	6.125	4.125	.028	XOMT09T306	12148067200	12148086600	T8
3898460	KM63TSTCP1438R3	KM63TS	1.438	6.375	4.314	.038	XOMT12T308	12148055800	12148082400	T15
3898461	KM63TSTCP1500R3	KM63TS	1.500	6.500	4.500	.038	XOMT12T308	12148055800	12148082400	T15
3898462	KM63TSTCP1563R3	KM63TS	1.563	6.750	4.689	.038	XOMT12T308	12148055800	12148082400	T15
3898463	KM63TSTCP1625R3	KM63TS	1.625	7.000	4.875	.038	XOMT12T308	12148055800	12148082400	T15
3898464	KM63TSTCP1688R3	KM63TS	1.688	7.250	5.064	.038	XOMT12T308	12148055800	12148082400	T15
3898465	KM63TSTCP1750R3	KM63TS	1.750	7.500	5.250	.038	XOMT12T308	12148055800	12148082400	T15
3898466	KM63TSTCP1875R3	KM63TS	1.875	8.000	5.625	.058	XOMT160508	12148007200	12148007500	T20
3898467	KM63TSTCP1938R3	KM63TS	1.938	8.250	5.814	.058	XOMT160508	12148007200	12148007500	T20
3898468	KM63TSTCP2000R3	KM63TS	2.000	8.375	6.000	.058	XOMT160508	12148007200	12148007500	T20

NOTE: Drill shipped with insert screws and Torx wrench.
See the WIDIA Indexable Milling and Holemaking (A-09-02081) catalog.



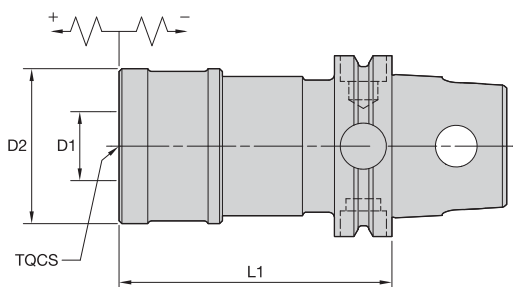
WARNING
During through-hole operations, a slug or disk is produced as the tool breaks through the workpiece. When the drill is stationary and the workpiece is rotating, this slug may be hurled from the chuck by centrifugal force. Provide adequate shielding to protect bystanders.

KM63TS™ Shank Tools

TC Tap Chucks • S-Extensions



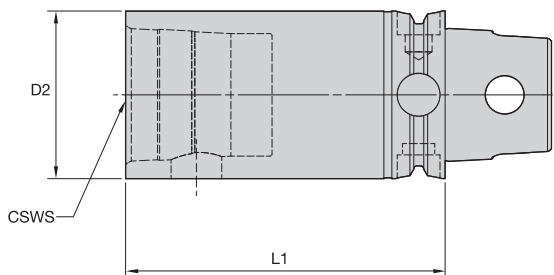
KM63TS Shank Tools



■ TC • Tension and Compression

order number	catalog number	TQCS adapter size	D1		D2		L1		kg	lbs
			mm	in	mm	in	mm	in		
1126271	KM63TSTC2095M	2	31	1.220	53	2.090	95	3.740	0,96	2.12
1126272	KM63TSTC3147M	3	48	1.890	78	3.070	147	5.790	1,97	4.34

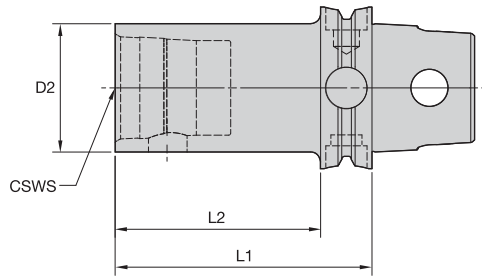
NOTE: Quick-change tap adapters available and must be ordered separately; see page I76.



■ S • KM™ Extension



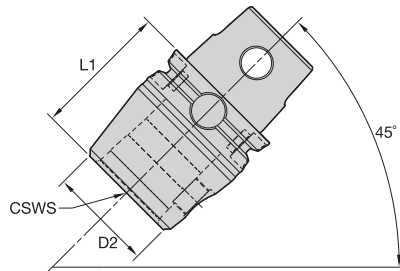
order number	catalog number	CSWS system size	D2		L1		wrench size actuation screw	Nm	ft. lbs.	spare parts package	kg	lbs
			mm	in	mm	in						
2253808	KM63TSS63080M	KM63	63	2.480	80	3.150	12mm	47-54	35-40	KM63PKG3S	1,69	3.73
2397720	KM63TSS63120M	KM63	63	2.480	120	4.724	12mm	47-54	35-40	KM63PKG3S	2,63	5.81



■ 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							
2397719	KM63TSS32070M	KM32	32	1.258	70	2.756	50	1.969	5mm	8-11	6-8		KM32PKG3S	0,90	1.97
2253907	KM63TSS40080M	KM40	40	1.573	80	3.150	60	2.362	6mm	12-16	9-12		KM40PKG3S	1,12	2.47
2253906	KM63TSS50100M	KM50	50	1.967	100	3.937	80	3.150	10mm	27-34	20-25		KM50PKG3S	1,63	3.58



■ S • KM Reducer • Centerline

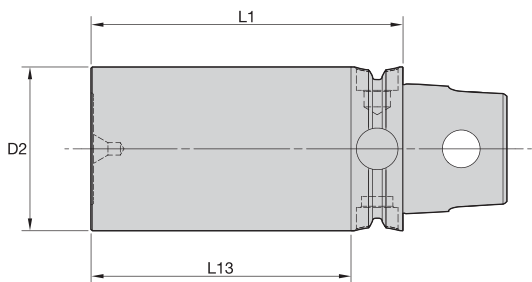


order number	catalog number	CSWS system size	D2		L1		wrench size actuation screw	Nm ft. lbs.			spare parts package	kg	lbs
			mm	in	mm	in							
3503748	KM63TSS50065M	KM50	50	1.967	65	2.559	10mm	27-34	20-25		KM50PKG3L	1,37	3.02

NOTE: Designed for centerline KM cutting units.

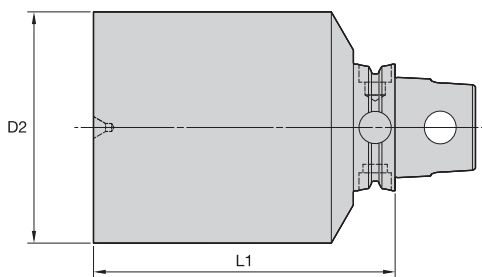
KM63TS™ Shank Tools

Gage Bars • Blanks



■ GB • Gage Bar

order number	catalog number	D2		L1		L13		kg	lbs
		mm	in	mm	in	mm	in		
3959981	KM40TSGB40080M	40	1.58	80	3.15	68	2.68	0,81	1.79



■ BN • Blank

order number	catalog number	D2		L1		hardness range	kg	lbs
		mm	in	mm	in			
2397722	KM63TSBN65200M	65	2.559	200	7.874	32-38 HRC	5,30	11.68
2397721	KM63TSBN115150M	115	4.528	150	5.906	32-38 HRC	10,89	24.01