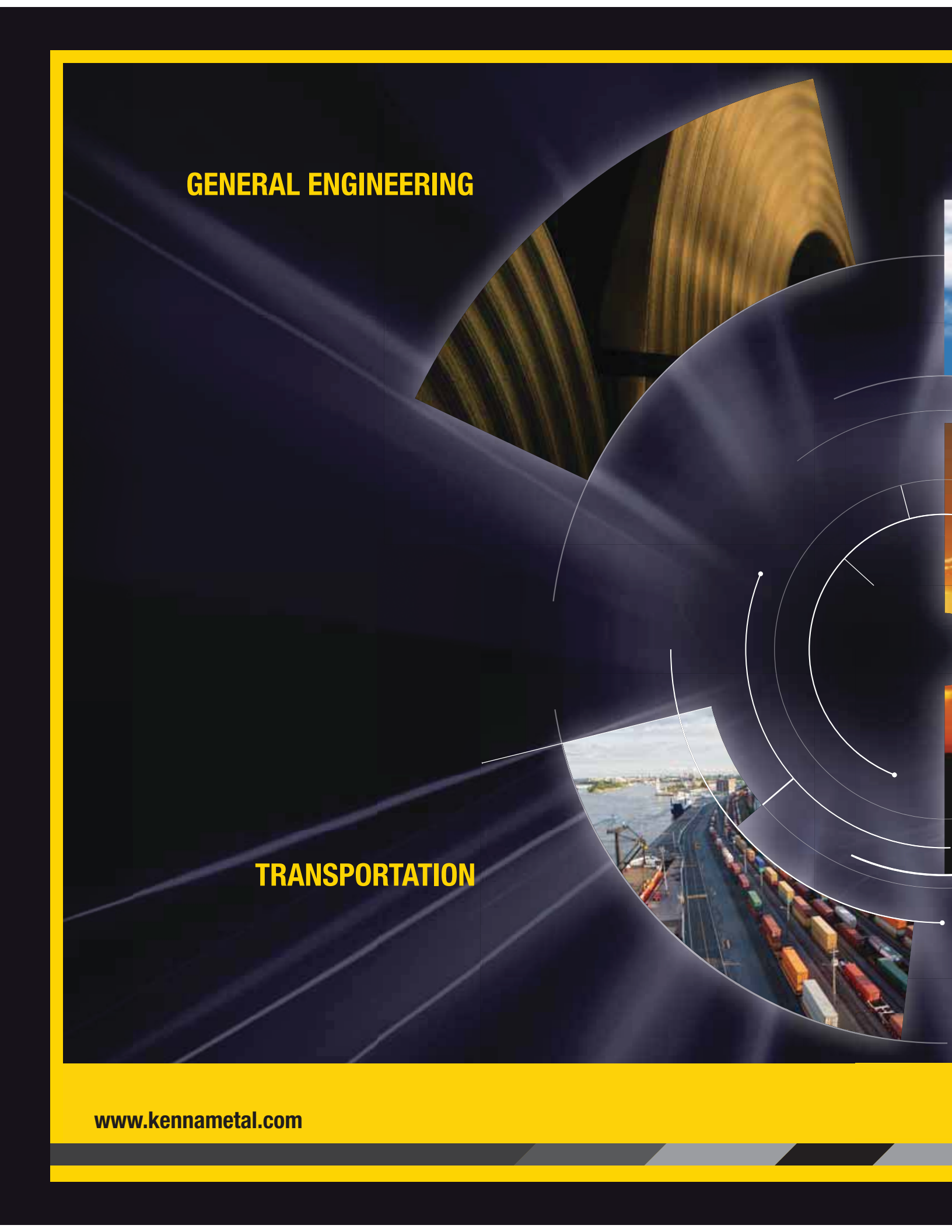


INNOVATIONS
MASTER CATALOG

TOOLING SYSTEMS
2013

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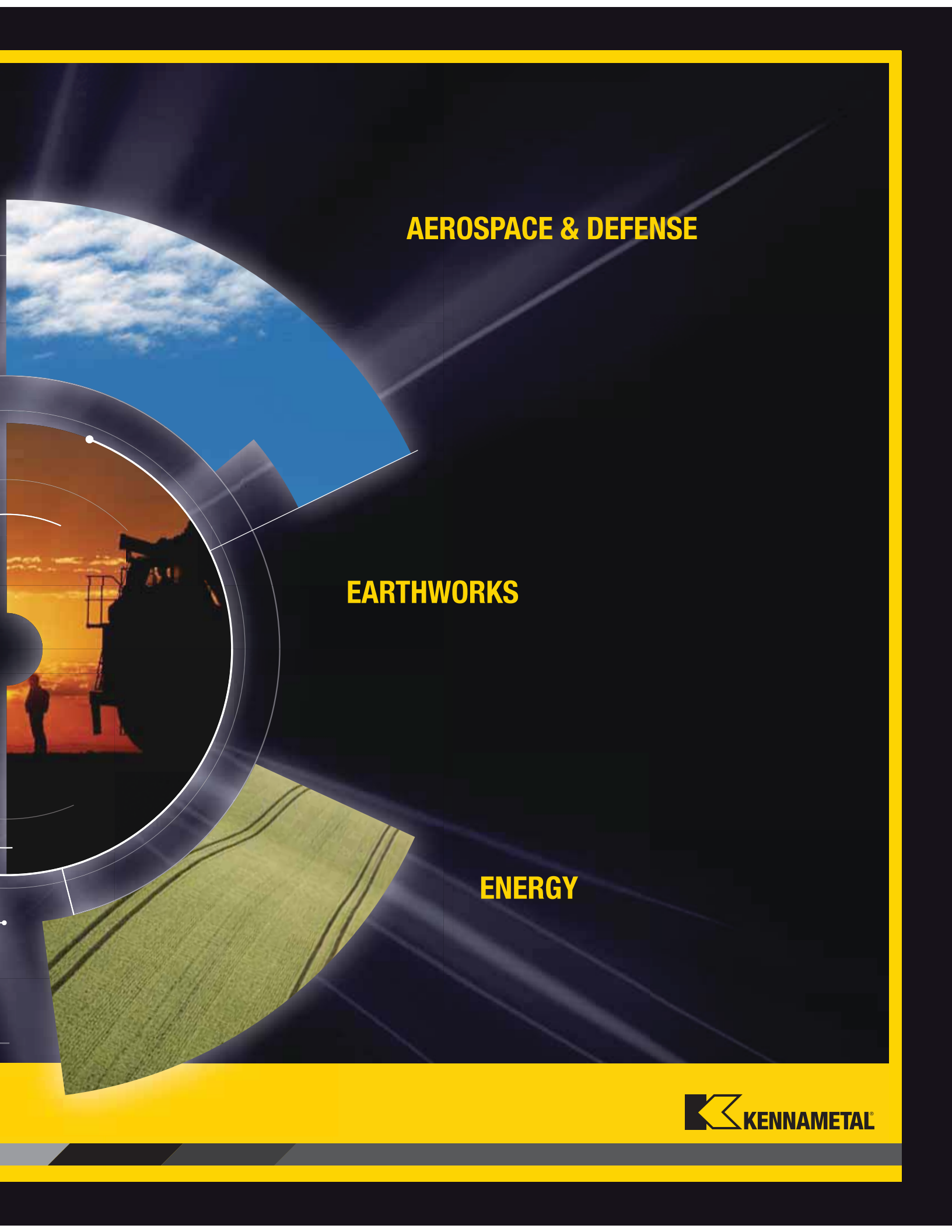




GENERAL ENGINEERING

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AEROSPACE & DEFENSE

EARTHWORKS

ENERGY

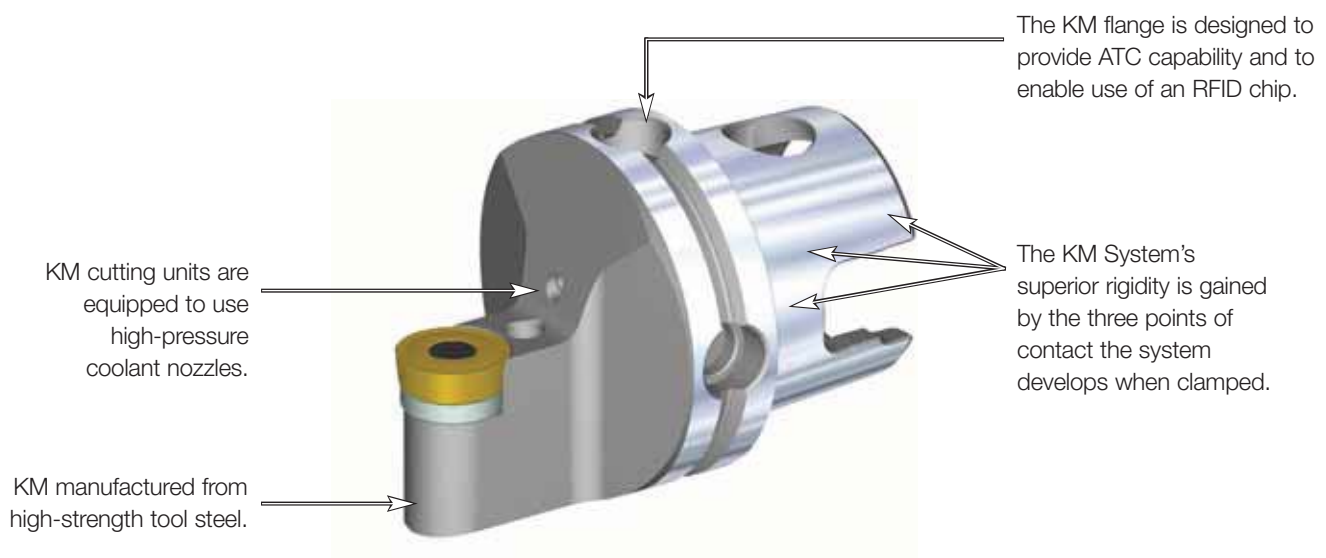
KM™ Quick Change Clamping System • KM80TS™ Series

Primary Application

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.

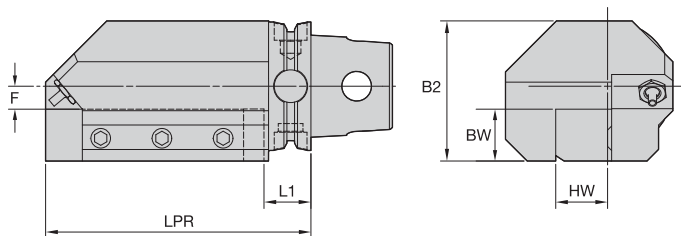
Features and Benefits

- 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.





KM80TS Adapters



■ STA • Metric

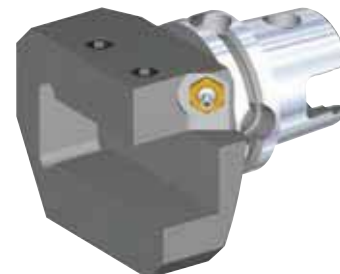
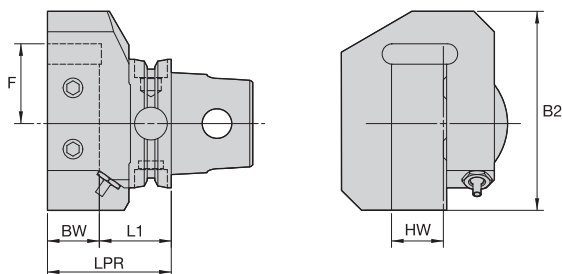


order number	catalog number	B2	BW	F	HW	L1	LPR	cup point socket set screw	nozzle	Nm	kg
	right hand										
3670073	KM80TSSTAR2525M	99	25	33	25	45	150	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	9,48
3670074	KM80TSSTAR3232M	98	32	25	32	45	150	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	8,95
	left hand										
3670059	KM80TSSTAL2525M	99	25	33	25	45	150	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	9,48
3670060	KM80TSSTAL3232M	98	32	25	32	45	150	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	8,95

■ STA • Inch



order number	catalog number	B2	BW	F	HW	L1	LPR	cup point socket set screw	nozzle	ft. lbs.	lbs
	right hand										
3670061	KM80TSSTAR20	3.904	1.250	1.059	1.250	1.693	5.906	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	20.70
3670062	KM80TSSTAR24	3.654	1.500	.559	1.500	1.480	6.693	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	21.37
	left hand										
3670057	KM80TSSTAL20	3.904	1.250	1.059	1.250	1.693	5.906	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	20.70
3670058	KM80TSSTAL24	3.654	1.500	.559	1.500	1.480	6.693	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	21.37



■ ETA • Metric

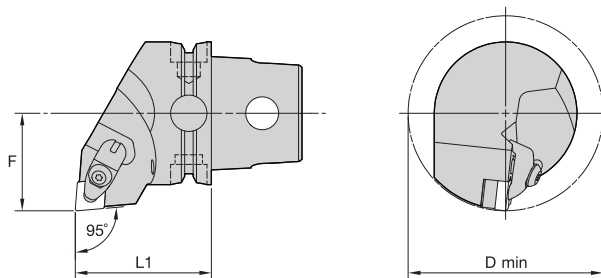


order number	catalog number	B2	BW	F	HW	L1	LPR	cup point socket set screw	nozzle	Nm	kg
right hand											
3670108	KM80TSETAR2525M	96	25	-37,5	25	48	73	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	3,51
3670109	KM80TSETAR3232M	111	32	-55,0	32	45	77	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	4,53
left hand											
3670103	KM80TSETAL2525M	96	25	-37,5	25	48	73	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	3,51
3670104	KM80TSETAL3232M	111	32	-55,0	32	45	77	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	4,53

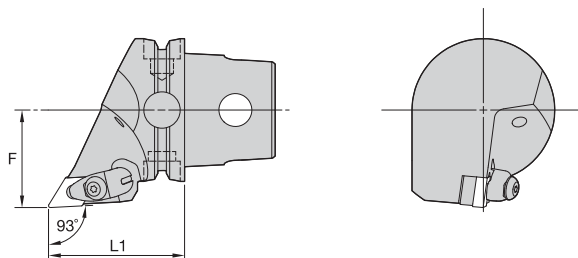
■ ETA • Inch



order number	catalog number	B2	BW	F	HW	L1	LPR	cup point socket set screw	nozzle	ft. lbs.	lbs
right hand											
3670105	KM80TSETAR16	3.780	1.000	-1.539	1.000	1.900	2.900	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	7.78
3670106	KM80TSETAR20	4.370	1.250	-2.244	1.250	1.846	3.096	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	10.28
3670107	KM80TSETAR24	4.370	1.500	-2.244	1.500	1.937	3.437	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	10.82
left hand											
3670078	KM80TSETAL16	3.780	1.000	-1.539	1.000	1.900	2.900	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	7.78
3670080	KM80TSETAL20	4.370	1.250	-2.244	1.250	1.846	3.096	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	10.28
3670082	KM80TSETAL24	4.370	1.500	-2.244	1.500	1.937	3.437	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	10.83

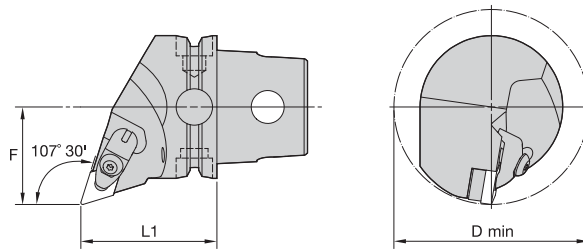

■ DCLN 95°

order number	catalog number	L1		F		D min		gage insert	shim	shim screw	pin	clamp assembly	kg
		mm	in	mm	in	mm	in						
right hand													
3636438	KM80TSDCLNR12KC04	70	2.756	53	2.087	106	4.173	CN..120408/CN..432	ICSN443	KMSP415IP	SSP025016M	CM234R ASSY	2,16
3636440	KM80TSDCLNR16KC06	70	2.756	53	2.087	106	4.173	CN..160612/CN..543	ICSN543	KMSP515IP	SSP025018M	CM209R ASSY	2,21
left hand													
3636439	KM80TSDCLNL12KC04	70	2.756	53	2.087	106	4.173	CN..120408/CN..432	ICSN443	KMSP415IP	SSP025016M	CM234R ASSY	2,16
3636441	KM80TSDCLNL16KC06	70	2.756	53	2.087	106	4.173	CN..160612/CN..543	ICSN543	KMSP515IP	SSP025018M	CM209R ASSY	2,21


■ DDJN 93°

order number	catalog number	L1		F		gage insert	shim	shim screw	pin	clamp assembly	kg
		mm	in	mm	in						
right hand											
3636525	KM80TSDDJNR15KC04	70	2.756	53	2.087	DN..150408/DN..432	IDSN443	KMSP415IP	SSP025016M	CM234R ASSY	1,92
3636442	KM80TSDDJNR15KC06	70	2.756	53	2.087	DN..150608/DN..442	IDSN433	KMSP415IP	SSP025016M	CM234R ASSY	1,92
left hand											
3636526	KM80TSDDJNL15KC04	70	2.756	53	2.087	DN..150408/DN..432	IDSN443	KMSP415IP	SSP025016M	CM234R ASSY	1,92
3636523	KM80TSDDJNL15KC06	70	2.756	53	2.087	DN..150608/DN..442	IDSN433	KMSP415IP	SSP025016M	CM234R ASSY	1,92

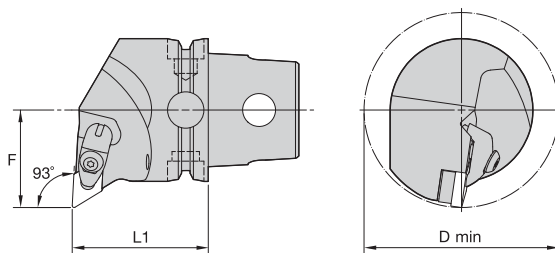




■ DDQN 107° 30'



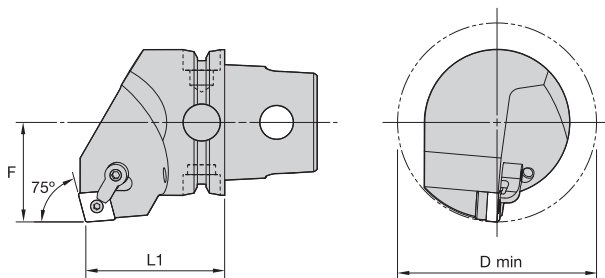
order number	catalog number	L1	F	D min	gage insert	shim	shim screw	pin	clamp assembly	kg
	right hand									
3636527	KM80TSDDQNR15KC04	70	2.756	53	2.087	106	4.173	DN..150408/DN..432	IDSN443 KMSP415IP SSP025016M CM234R ASSY	1,94
3636530	KM80TSDDQNR15KC06	70	2.756	53	2.087	106	4.173	DN..150608/DN..442	IDSN433 KMSP415IP SSP025016M CM234R ASSY	1,94
	left hand									
3636528	KM80TSDDQNL15KC04	70	2.756	53	2.087	106	4.173	DN..150408/DN..432	IDSN443 KMSP415IP SSP025016M CM234R ASSY	1,94
3636531	KM80TSDDQNL15KC06	70	2.756	53	2.087	106	4.173	DN..150608/DN..442	IDSN433 KMSP415IP SSP025016M CM234R ASSY	1,94



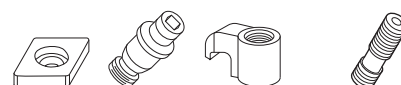
■ DDUN 93°



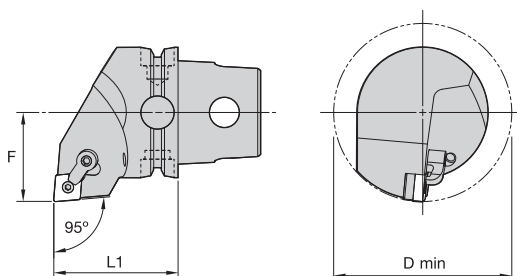
order number	catalog number	L1	F	D min	gage insert	shim	shim screw	pin	clamp assembly	kg
	right hand									
3636533	KM80TSDDUNR15KC04	70	2.756	53	2.087	106	4.173	DN..150408/DN..432	IDSN443 KMSP415IP SSP025016M CM234R ASSY	2,08
3636537	KM80TSDDUNR15KC06	70	2.756	53	2.087	106	4.173	DN..150608/DN..442	IDSN433 KMSP415IP SSP025016M CM234R ASSY	2,08
	left hand									
3636535	KM80TSDDUNL15KC04	70	2.756	53	2.087	106	4.173	DN..150408/DN..432	IDSN443 KMSP415IP SSP025016M CM234R ASSY	2,08
3636538	KM80TSDDUNL15KC06	70	2.756	53	2.087	106	4.173	DN..150608/DN..442	IDSN433 KMSP415IP SSP025016M CM234R ASSY	2,08



MCKN 75°



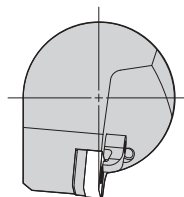
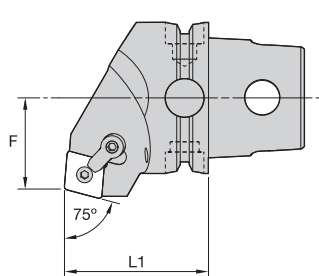
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3662524	right hand KM80TSMCKNR19	70	2.756	53	2.087	106	4.173	CN..190612/CN..643	ICSN633	KLM68	CKM12	STCM4	2,39	5.28
3662523	left hand KM80TSMCKNL19	70	2.756	53	2.087	106	4.173	CN..190612/CN..643	ICSN633	KLM68	CKM12	STCM4	2,39	5.28



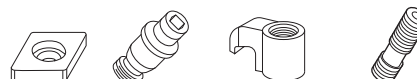
MCLN 95°



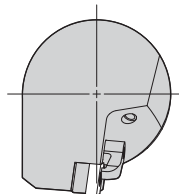
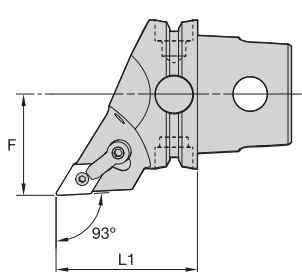
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
right hand														
3662529	KM80TSMCLNR12	70	2.756	53	2.087	106	4.173	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	2,21	4.87
3662530	KM80TSMCLNR16	70	2.756	53	2.087	106	4.173	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	2,20	4.86
3662531	KM80TSMCLNR19	70	2.756	53	2.087	106	4.173	CN..190612/CN..643	ICSN633	KLM68	CKM12	STCM4	2,20	4.85
3662532	KM80TSMCLNR25	70	2.756	53	2.087	106	4.173	CN..250924/CN..866	ICSN846	KLM810	CKM24	STCM19	2,21	4.86
left hand														
3662525	KM80TSMCLNL12	70	2.756	53	2.087	106	4.173	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	2,21	4.87
3662526	KM80TSMCLNL16	70	2.756	53	2.087	106	4.173	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	2,20	4.86
3662527	KM80TSMCLNL19	70	2.756	53	2.087	106	4.173	CN..190612/CN..643	ICSN633	KLM68	CKM12	STCM4	2,20	4.85
3662528	KM80TSMCLNL25	70	2.756	53	2.087	106	4.173	CN..250924/CN..866	ICSN846	KLM810	CKM24	STCM19	2,21	4.86



■ MCRN 75°



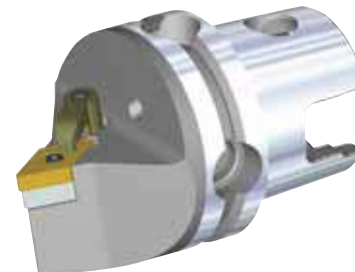
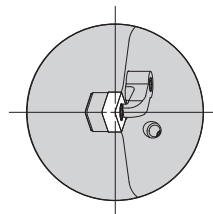
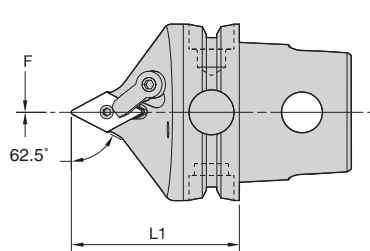
		L1		F								
order number	catalog number	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
3662536	right hand KM80TSMCRNR16	70	2.756	48	1.890	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	2,27	5.00
3662537	KM80TSMCRNR19	70	2.756	48	1.890	CN..190612/CN..643	ICSN633	KLM68	CKM12	STCM4	2,26	4.99
3662538	KM80TSMCRNR25	70	2.756	48	1.890	CN..250924/CN..866	ICSN846	KLM810	CKM24	STCM19	2,25	4.97
3662533	left hand KM80TSMCRNL16	70	2.756	48	1.890	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	2,27	5.00
3662534	KM80TSMCRNL19	70	2.756	48	1.890	CN..190612/CN..643	ICSN633	KLM68	CKM12	STCM4	2,26	4.99
3662535	KM80TSMCRNL25	70	2.756	48	1.890	CN..250924/CN..866	ICSN846	KLM810	CKM24	STCM19	2,25	4.97



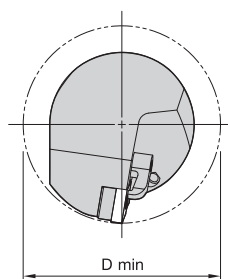
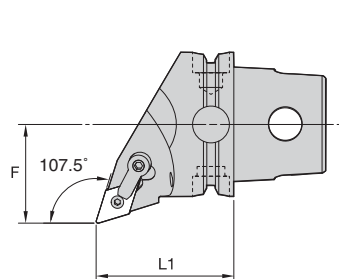
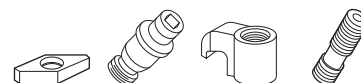
■ MDJN 93°



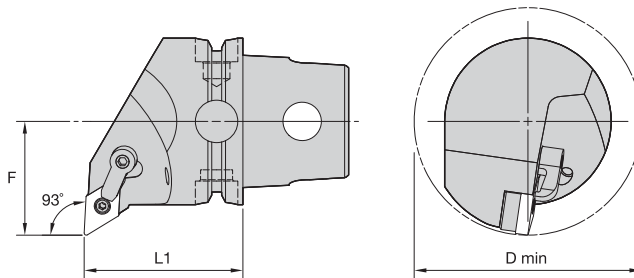
		L1		F								
order number	catalog number	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
3662542	KM80TSMDJNR1504	70	2.756	53	2.087	DN..150408/DN.432	IDSN442	KLM46L	CKM23	STCM11	1,85	4.07
3662564	KM80TSMDJNR1506	70	2.756	53	2.087	DN..150608/DN.442	IDSN432	KLM46L	CKM23	STCM11	1,84	4.06
3662541	KM80TSMDJNL1504	70	2.756	53	2.087	DN..150408/DN.432	IDSN442	KLM46L	CKM23	STCM11	1,85	4.07
3662563	KM80TSMDJNL1506	70	2.756	53	2.087	DN..150608/DN.442	IDSN432	KLM46L	CKM23	STCM11	1,84	4.06


MDPN 62.5°

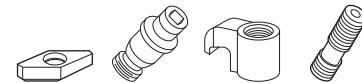

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3662565	KM80TSMDPNN1504	70	2.756	0	.000	DN..150408/DN.432	IDSN442	KLM46L	CKM23	STCM11	1,73	3.81
3662566	KM80TSMDPNN1506	70	2.756	0	.000	DN..150608/DN.442	IDSN432	KLM46L	CKM23	STCM11	1,72	3.80


MDQN 107.5°


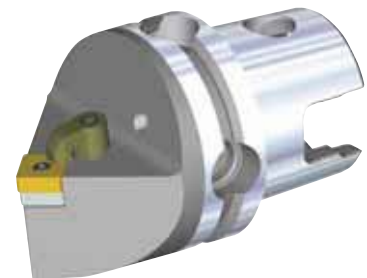
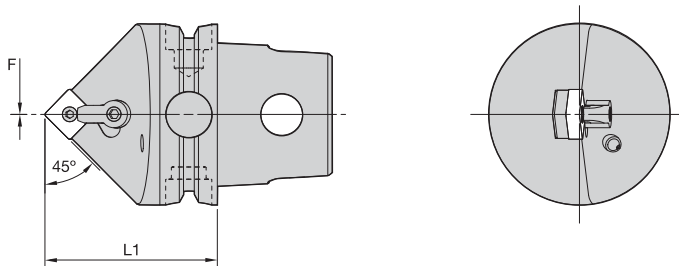
		L1		F		D min								
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
3662568	KM80TSMDQNR1504	70	2.756	53	2.087	106	4.173	DN..150408/DN.432	IDSN442	KLM46L	CKM23	STCM11	2,01	4.44
3662570	KM80TSMDQNR1506	70	2.756	53	2.087	106	4.173	DN..150608/DN.442	IDSN432	KLM46L	CKM23	STCM11	2,01	4.43
3662567	KM80TSMDQNL1504	70	2.756	53	2.087	106	4.173	DN..150408/DN.432	IDSN442	KLM46L	CKM23	STCM11	2,01	4.44
3662569	KM80TSMDQNL1506	70	2.756	53	2.087	106	4.173	DN..150608/DN.442	IDSN432	KLM46L	CKM23	STCM11	2,01	4.43



■ MDUN 93°



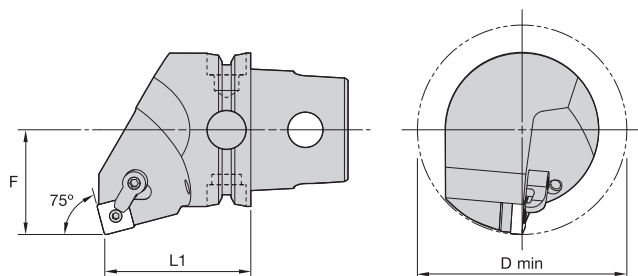
		L1		F		D min								
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
right hand														
3662572	KM80TSM DUNR1504	70	2.756	53	2.087	106	4.173	DN..150408/DN.432	IDS N442	KLM46L	CKM23	STCM11	2,28	5.02
3662574	KM80TSM DUNR1506	70	2.756	53	2.087	106	4.173	DN..150608/DN.442	IDS N432	KLM46L	CKM23	STCM11	2,27	5.01
left hand														
3662571	KM80TSM DUNL1504	70	2.756	53	2.087	106	4.173	DN..150408/DN.432	IDS N442	KLM46L	CKM23	STCM11	2,27	5.02
3662573	KM80TSM DUNL1506	70	2.756	53	2.087	106	4.173	DN..150608/DN.442	IDS N432	KLM46L	CKM23	STCM11	2,27	5.01



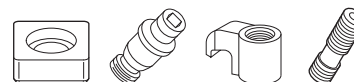
■ MSDN 45°



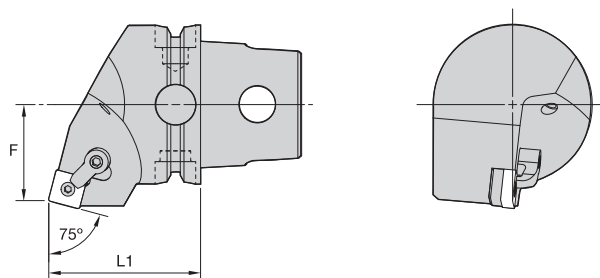
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3662577	KM80TSM DNN19	70	2.756	0	.000	SN..190512/SN.643	ISSN633	KLM68	CKM12	STCM4	1,85	4.08
3662578	KM80TSM DNN25	70	2.756	0	.000	SN..250924/SN.866	ISSN846	KLM810	CKM24	STCM19	1,76	3.88



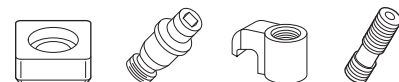
■ MSKN 75°



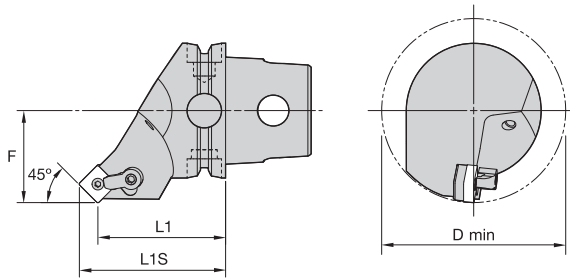
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
3662581	KM80TSMKNR19	70	2.756	53	2.087	106	4.17	SN..190512/SN.643	ISSN633	KLM68	CKM12	STCM4	2,37	5.23
3662582	KM80TSMKNR25	70	2.756	53	2.087	106	4.17	SN..250924/SN..866	ISSN846	KLM810	CKM24	STCM19	2,47	5.45
	left hand													
3662579	KM80TSMKNL19	70	2.756	53	2.087	106	4.17	SN..190512/SN.643	ISSN633	KLM68	CKM12	STCM4	2,37	5.23
3662580	KM80TSMKNL25	70	2.756	53	2.087	106	4.17	SN..250924/SN..866	ISSN846	KLM810	CKM24	STCM19	2,47	5.45



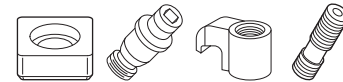
■ MSRN 75°



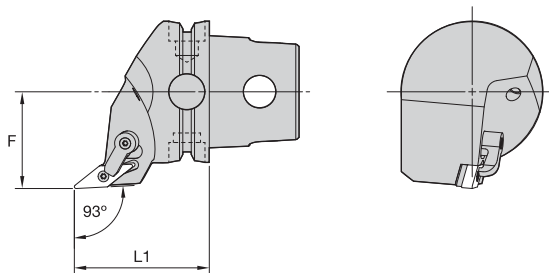
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
	right hand											
3662585	KM80TMSRNR19	70	2.756	48	1.890	SN..190512/SN.643	ISSN633	KLM68	CKM12	STCM4	2,12	4.67
3662586	KM80TMSRNR25	70	2.756	48	1.890	SN..250924/SN.866	ISSN846	KLM810	CKM24	STCM19	2,19	4.82
	left hand											
3662583	KM80TMSRNL19	70	2.756	48	1.890	SN..190512/SN.643	ISSN633	KLM68	CKM12	STCM4	2,12	4.67
3662584	KM80TMSRNL25	70	2.756	48	1.890	SN..250924/SN.866	ISSN846	KLM810	CKM24	STCM19	2,19	4.82



■ MSSN 45°



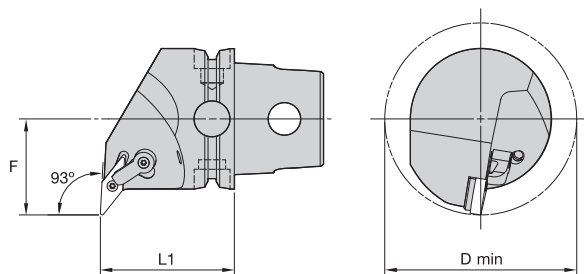
order number	catalog number	L1		L1S		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in	mm	in							
3662588	right hand KM80TSMSSNR25	70	2.756	86	3.386	53	2.09	150	5.906	SN..250924/SN.866	ISSN846	KLM810	CKM24	STCM19	2,18	4.81
3662587	left hand KM80TSMSSNL25	70	2.756	86	3.386	53	2.09	150	5.906	SN..250924/SN.866	ISSN846	KLM810	CKM24	STCM19	2,18	4.81



■ MVJN 93°

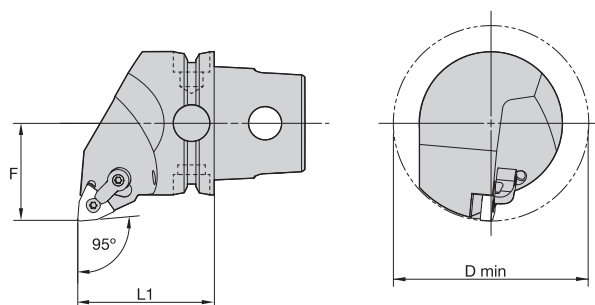
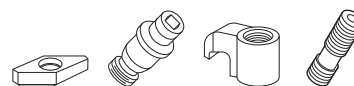


order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3662562	right hand KM80TSMVJNR16	70	2.756	53	2.087	VN..160408/VN.332	IVSN322	KLM34L	CKM23	STCM11	1,79	3.94
3662561	left hand KM80TSMVJNL16	70	2.756	53	2.087	VN..160408/VN.332	IVSN322	KLM34L	CKM23	STCM11	1,79	3.94



■ MVUN 93°

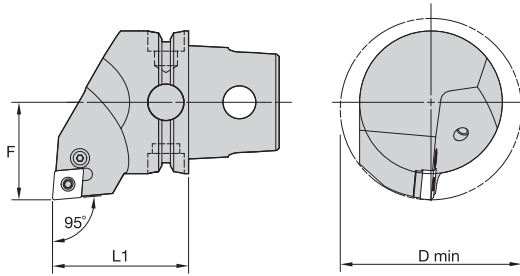
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3662594	right hand KM80TSMVUNR16	70	2.756	53	2.087	106	4.173	VN..160408/VN.332	IVSN322	KLM34L	CKM23	STCM11	2,11	4.64
3662593	left hand KM80TSMVUNL16	70	2.756	53	2.087	106	4.173	VN..160408/VN.332	IVSN322	KLM34L	CKM23	STCM11	2,11	4.64



■ MWLN 95°

order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3662596	right hand KM80TSMWLNRO8	70	2.756	53	2.087	106	4.173	WN..080408/WN.432	IWSN433	KLM46	CKM20	STCM11	2,15	4.74
3662595	left hand KM80TSMWLNLO8	70	2.756	53	2.087	106	4.173	WN..080408/WN.432	IWSN433	KLM46	CKM20	STCM11	2,15	4.74

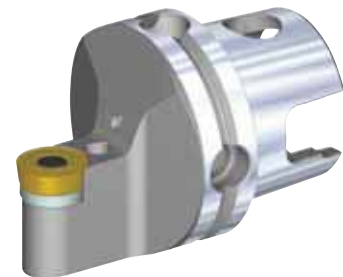
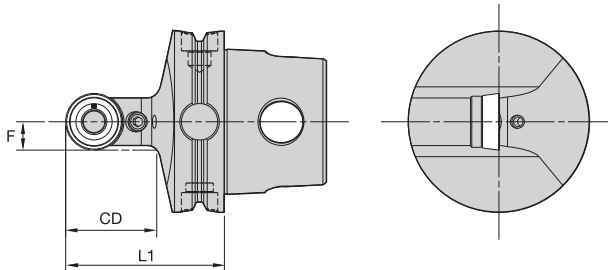




■ PCLN 95°



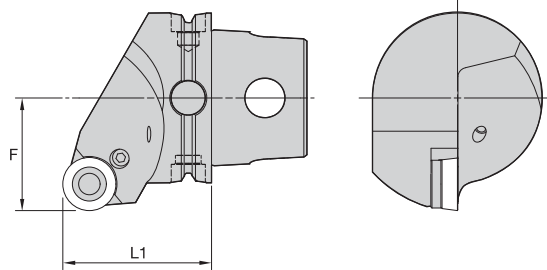
order number	catalog number	L1		F		D min		gage insert	shim	lever lock screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
	right hand														
3662602	KM80TSPCLNR12	70	2.756	53	2.087	100	3.937	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	2,19	4.82
3662603	KM80TSPCLNR16	70	2.756	53	2.087	100	3.937	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	2,18	4.81
3662604	KM80TSPCLNR19	70	2.756	53	2.087	100	3.937	CN..190612/CN..643	512.123	514.133	513.033	511.033	515.022	2,17	4.79
3662605	KM80TSPCLNR25	70	2.756	53	2.087	100	3.937	CN..250924/CN..866	512.024	12148562500	513.038	511.038	515.028	2,15	4.74
	left hand														
3662598	KM80TSPCLNL12	70	2.756	53	2.087	100	3.937	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	2,19	4.82
3662599	KM80TSPCLNL16	70	2.756	53	2.087	100	3.937	CN..160612/CN..543	512.117	514.125	513.025	511.025	515.022	2,18	4.81
3662600	KM80TSPCLNL19	70	2.756	53	2.087	100	3.937	CN..190612/CN..643	512.123	514.133	513.033	511.033	515.022	2,17	4.79
3662601	KM80TSPCLNL25	70	2.756	53	2.087	100	3.937	CN..250924/CN..866	512.024	12148562500	513.038	511.038	515.028	2,15	4.74



■ PRDC 90°

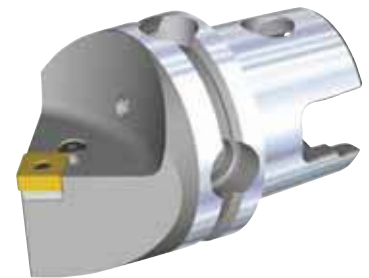
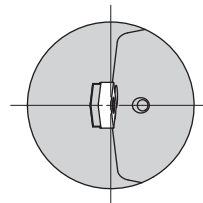
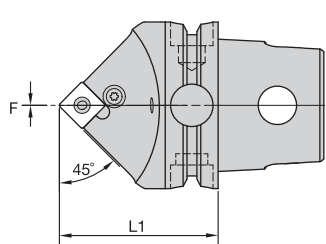


order number	catalog number	L1		F		CD		gage insert	shim	clamp screw	clamp stud	kg	lbs
		mm	in	mm	in	mm	in						
	left hand												
3662606	KM80TSPRDCN20	70	2.756	10	.394	40	1.581	RCMT2006M0	169.333	121.820	119.073	1,48	3.26
3662607	KM80TSPRDCN25	70	2.756	13	.492	40	1.581	RCMX2507M0RP	169.337	121.820	118.404	1,55	3.42



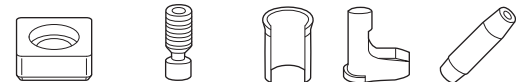
■ PRGC 0°

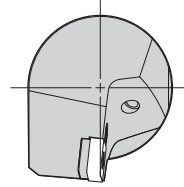
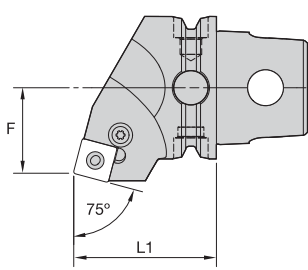
order number	catalog number	L1		F		gage insert	shim	clamp screw	clamp stud	kg	lbs
		mm	in	mm	in						
	right hand										
3662625	KM80TSPRGCR25	70	2.756	53	2.087	RC..2507M0	169.337	121.820	118.404	2,02	4.46
3662626	KM80TSPRGCR32	80	3.150	53	2.087	RC..320900	169.339	121.030	118.604	2,63	5.79
	left hand										
3662623	KM80TSPRGCL25	70	2.756	53	2.087	RC..2507M0	169.337	121.820	118.404	2,02	4.45
3662624	KM80TSPRGCL32	80	3.150	53	2.087	RC..320900	169.339	121.030	118.604	2,63	5.79



■ PSDN 45°

order number	catalog number	L1		F		gage insert	shim	lever lock screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
	left hand												
3662627	KM80TSPSDNN19	70	2.756	0	.000	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,76	3.87
3662628	KM80TSPSDNN25	70	2.756	0	.000	SN..250724/SN..856	512.092	514.138	513.038	511.038	515.028	1,75	3.85

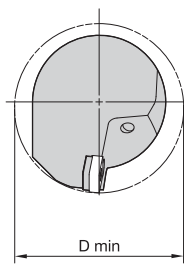
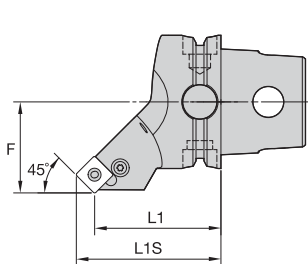




■ PSRN 75°



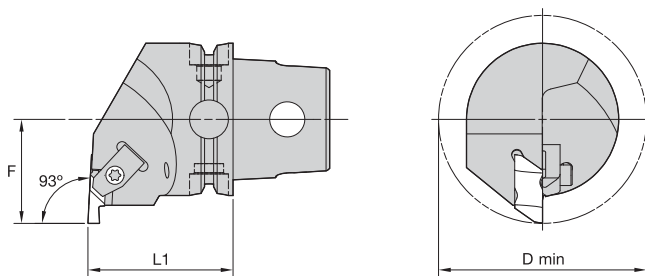
order number	catalog number	L1		F		gage insert	shim	lever lock screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
right hand													
3662631	KM80TSPSRNR19	70	2.756	48	1.890	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	2,11	4.66
3662632	KM80TSPSRNR25	70	2.756	48	1.890	SN..250724/SN..-856	512.092	514.138	513.038	511.038	515.028	2,13	4.69
left hand													
3662629	KM80TSPSRNL19	70	2.756	48	1.890	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	2,07	4.56
3662630	KM80TSPSRNL25	70	2.756	48	1.890	SN..250724/SN..-856	512.092	514.138	513.038	511.038	515.028	2,13	4.69



■ PSSN 45°

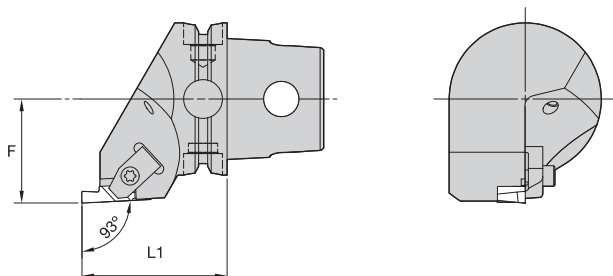


order number	catalog number	L1		L1S		F		D min		gage insert	shim	lever lock screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in	mm	in								
right hand																	
3662636	KM80TSPSSNR19	70	2.756	82,49	3.248	53	2.087	100	3.94	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	2,00	4.41
3662637	KM80TSPSSNR25	70	2.756	85,98	3.385	53	2.087	150	5.91	SN..250724/SN..856	512.092	514.138	513.038	511.038	515.028	2,13	4.70
left hand																	
3662633	KM80TSPSSNL19	70	2.756	82,49	3.248	53	2.087	100	3.94	SN..190612/SN..643	512.083	514.133	513.033	511.033	515.022	1,94	4.29
3662634	KM80TSPSSNL25	70	2.756	86,00	3.386	53	2.087	150	5.91	SN..250724/SN..856	512.092	514.138	513.038	511.038	515.028	2,09	4.61



■ NE 93° • Metric

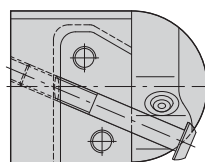
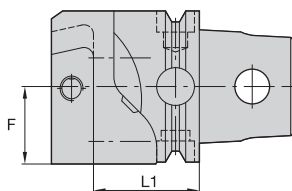
order number	catalog number	L1		F		D min		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in					
3665054	right hand KM80TSNER3	70	2.756	53	2.087	106	4.173	NG3L	CM73	MS1489	2,14	4.72
3665056	KM80TSNER4	70	2.756	53	2.087	106	4.173	NG4L	CM73	MS1489	2,18	4.81
3665058	KM80TSNER5	70	2.756	53	2.087	106	4.173	NG5L	CM81	MS1490	2,28	5.02
3665060	KM80TSNER6 left hand	70	2.756	53	2.087	106	4.173	NG6L	CM121	MS1489	2,28	5.02
3665053	KM80TSNEL3	70	2.756	53	2.087	106	4.173	NG3R	CM72	MS1489	2,14	4.72
3665055	KM80TSNEL4	70	2.756	53	2.087	106	4.173	NG4R	CM72	MS1489	2,18	4.81
3665057	KM80TSNEL5	70	2.756	53	2.087	106	4.173	NG5R	CM80	MS1490	2,28	5.02
3665059	KM80TSNEL6	70	2.756	53	2.087	106	4.173	NG6R	CM120	MS1489	2,18	4.80



■ NS 93° • Metric

order number	catalog number	L1		F		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in					
3668864	right hand KM80TSNSR3	70	2.756	53	2.087	NG3R	CM72	MS1489	1,96	4.32
3668866	KM80TSNSR4	70	2.756	53	2.087	NG4R	CM72	MS1489	1,94	4.28
3668868	KM80TSNSR5	80	3.150	53	2.087	NG5R	CM80	MS1490	2,25	4.95
3668863	left hand KM80TSNSL3	70	2.756	53	2.086	NG3L	CM73	MS1489	1,96	4.32
3668865	KM80TSNSL4	70	2.756	53	2.087	NG4L	CM73	MS1489	1,97	4.35
3668867	KM80TSNSL5	80	3.150	53	2.087	NG5L	CM81	MS1490	2,27	5.01



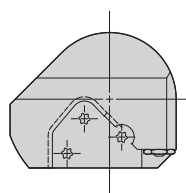
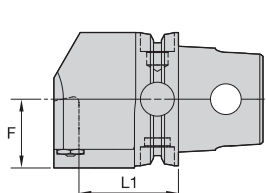


■ KGME • End Mount



order number	catalog number	L1		F		cartridge size	blade screw	nozzle	clamp screw	kg
		mm	in	mm	in					
3670369	right hand KM80TSKGMER50	58	2.28	40,5	1.594	50	MS1162	PMT04525	MS2002	2,51
3670367	left hand KM80TSKMEL50	58	2.28	40,5	1.594	50	MS1162	PMT04525	MS2002	2,49

NOTE: For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.
Right-hand cutting units use left-hand blades.



■ KGME • End Mount



order number	catalog number	L1		F		cartridge size	blade screw	nozzle	kg
		mm	in	mm	in				
3670370	right hand KM80TSKGMER65	57	2.24	40,5	1.594	65	MS1163	PMT04525	3,17
3670368	left hand KM80TSKMEL65	57	2.24	40,5	1.594	65	MS1163	PMT04525	3,17

NOTE: For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.
Right-hand cutting units use left-hand blades.



Increased Efficiency

Automatic adjustment with Romicron™ Closed Loop Boring (CLB)

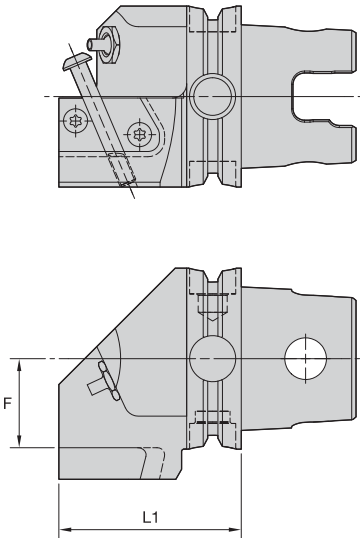
- Reduce scrap rates and setup time due to backlash-free adjustment.
- Make use of the entire tool life of used inserts as diameter adjustment can be done inside of the machine, avoiding routine insert changes in the setup room.
- Avoid time-consuming control cuts or sister tooling.
- No additional training or experience needed, resulting in less stress during adjustments.



Visit www.kennametal.com or contact your local Authorized Kennametal Distributor.

www.kennametal.com





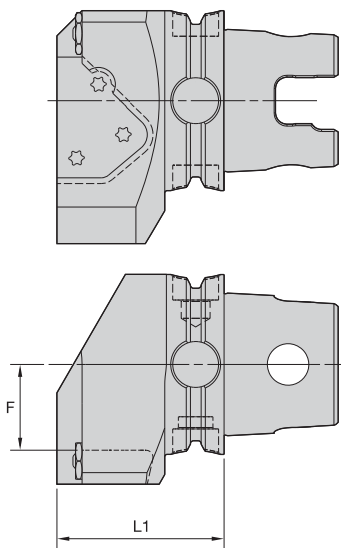
■ KGMS • Side Mount

order number	catalog number	L1		F		cartridge size	blade screw	clamp screw	nozzle	kg
		mm	in	mm	in					
3670383	right hand	66,5	2.618	41	1.614	50	MS1162	MS2002	PMT04525	2,43
	KM80TSKGMSR50									
3670371	left hand	66,5	2.618	41	1.614	50	MS1162	MS2002	PMT04525	2,18
	KM80TSKGMSL50									

NOTE: For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.
Right-hand cutting units use right-hand blades.

(continued)

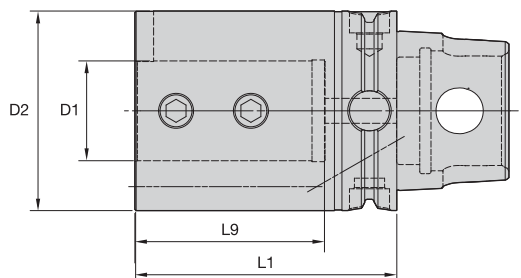
(KGMS • Side Mount continued)



■ **KGMS • Side Mount**

order number	catalog number	L1		F		cartridge size	blade screw	nozzle	kg
		mm	in	mm	in				
3670384	right hand	63,5	2.500	40	1.575	65	MS1163	PMT04525	2,88
	KM80TSKGMSR65								
3670372	left hand	63,5	2.500	40	1.575	65	MS1163	PMT04525	2,88
	KM80TSKGMSL65								

NOTE: For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.
Right-hand cutting units use right-hand blades.



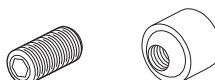
■ BA • Metric

order number	catalog number	D1	D2	L1	L9	clamp screw	nozzle	wrench size clamp screw	Nm	kg
3670392	KM80TSBA25075M	25	65	75	58	MS1561	PWZ1012	5mm	35	2,23
3670423	KM80TSBA32075M	32	72	75	63	190.228	PWZ1012	—	55	2,36
3670424	KM80TSBA40105M	40	80	105	76	MS1947	PWZ1012	8mm	125	3,55



■ BA • Inch

order number	catalog number	D1	D2	L1	L9	clamp screw	nozzle	wrench size clamp screw	ft. lbs.	lbs
3670350	KM80TSBA100276	1	2.559	2.756	2.244	MS1561	PWZ1012	5mm	25	4.63
3670351	KM80TSBA125295	1 1/4	2.835	2.953	2.480	MS1561	PWZ1012	5mm	25	5.21
3670352	KM80TSBA150413	1 1/2	3.150	4.134	2.953	MS1947	PWZ1012	8mm	90	7.99
3670363	KM80TSBA200512	2	3.543	5.118	3.976	MS1947	PWZ1012	8mm	90	10.56



NOTE: Do not overtighten clamp screw; use torque recommendations above.
Supplied with clamp screw.
Clamp screw wrench not included.
For boring bar reducers, see page A570.

The image shows various components of the Romicron Boring System, including a large white boring head, a smaller white tool holder, and several silver-colored boring bars of different sizes. They are arranged on a yellow rectangular surface against a background of a black and white woven mesh.

RomicronTM Boring System

Fast

Adjustments can be made in less than 5 seconds, while still holding 0,002mm (.0001") on the diameter!

Accurate

Each click of the dial is 0,001mm (.000040") on the radius and can be done in less than 5 seconds.

This high-performance boring system will give you:

- More uptime.
- Less scrap.
- Longer tool life.
- CPKs greater than 1.33.
- Less stress during adjustments.

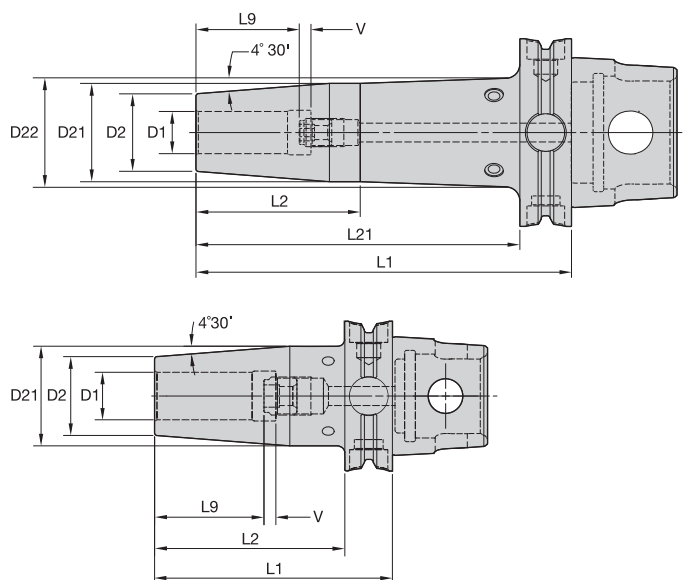
NOTE: For Romicron boring systems, see the Kennametal Innovations Master Catalog Cutting Tools 2013.

Experience the advantages at your Authorized Kennametal Distributor or at www.kennametal.com.

www.kennametal.com

 **KENNAMETAL[®]**

- 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	
10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32, 40, & 50	h6	0,000/-0,016

■ HPV TT • Metric



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg	lbs
3681408	KM80TSHPVTT10090M	10	24	32	—	90	68	—	31	10	TTSS08014M	4mm	1,44	3.16
3681409	KM80TSHPVTT10170M	10	24	32	38	170	63	148	31	10	TTSS08014M	4mm	2,03	4.48
3681410	KM80TSHPVTT12095M	12	24	32	—	95	73	—	36	10	TTSS10014M	5mm	1,45	3.19
3681411	KM80TSHPVTT12160M	12	24	32	37	160	63	138	36	10	TTSS10014M	5mm	1,93	4.26
3681412	KM80TSHPVTT14095M	14	27	34	—	95	73	—	36	10	TTSS10014M	5mm	1,51	3.32
3682733	KM80TSHPVTT16100M	16	27	34	—	100	78	—	39	10	TTSS12014M	6mm	1,51	3.34
3682734	KM80TSHPVTT18100M	18	33	42	—	100	78	—	39	10	TTSS12014M	6mm	1,72	3.80
3682735	KM80TSHPVTT18160M	18	33	42	47	160	70	138	39	10	TTSS12014M	6mm	2,44	5.37
3682736	KM80TSHPVTT20105M	20	33	42	—	105	83	—	41	10	TTSS16014M	8mm	1,74	3.83
3682737	KM80TSHPVTT25115M	25	44	53	—	115	93	—	47	10	TTSS16014M	8mm	2,31	5.09
3682738	KM80TSHPVTT32120M	32	44	53	—	120	98	—	51	10	TTSS16014M	8mm	2,23	4.91
3682739	KM80TSHPVTT40130M	40	60	70	—	130	108	—	51	10	TTSS20014M	10mm	3,42	7.55
3682740	KM80TSHPVTT50140M	50	69	79	—	140	118	—	56	10	TTSS20014M	10mm	4,23	9.34

(continued)

(HPV TT continued)

Cutting Tool Shank Requirements inch (industry standard)

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

■ HPV TT • Inch



order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg	lbs
3683469	KM80TSHPVTT031335	5/16	.827	1.059	—	3.346	2.480	—	1.024	.394	TTSS06014M	3mm	1,34	2.96
3683470	KM80TSHPVTT038630	3/8	.945	1.256	1.462	6.299	2.480	5.433	1.220	.394	TTSS08014M	4mm	1,95	4.30
3683471	KM80TSHPVTT044374	7/16	.945	1.256	—	3.740	2.874	—	1.417	.394	TTSS10014M	5mm	1,45	3.21
3683038	KM80TSHPVTT050374	1/2	.945	1.256	—	3.740	2.874	—	1.417	.394	TTSS10014M	5mm	1,44	3.18
3683039	KM80TSHPVTT056374	9/16	1.063	1.335	—	3.740	2.874	—	1.417	.394	TTSS10014M	5mm	1,50	3.31
3683040	KM80TSHPVTT062394	5/8	1.063	1.335	—	3.937	3.071	—	1.535	.394	TTSS12014M	6mm	1,52	3.34
3683041	KM80TSHPVTT062850	5/8	1.063	1.335	1.695	8.500	2.480	7.638	1.535	.394	TTSS12014M	6mm	2,56	5.65
3683042	KM80TSHPVTT075413	3/4	1.299	1.650	—	4.134	3.267	—	1.614	.394	TTSS16014M	8mm	1,75	3.86
3683463	KM80TSHPVTT075630	3/4	1.299	1.650	1.837	6.299	2.756	5.433	1.614	.394	TTSS16014M	8mm	2,40	5.28
3683464	KM80TSHPVTT088413	7/8	1.299	1.650	—	4.134	3.268	—	1.614	.394	TTSS16014M	8mm	1,71	3.77
3683465	KM80TSHPVTT100453	1	1.732	2.083	—	4.528	3.662	—	1.850	.394	TTSS16014M	8mm	2,30	5.07
3683466	KM80TSHPVTT125472	1 1/4	1.732	2.083	—	4.724	3.858	—	2.008	.394	TTSS16014M	8mm	2,23	4.92
3683467	KM80TSHPVTT150512	1 1/2	2.362	2.752	—	5.118	4.252	—	2.008	.394	TTSS20014M	10mm	3,49	7.70
3683468	KM80TSHPVTT200551	2	2.717	3.106	—	5.512	4.646	—	2.205	.394	TTSS20014M	10mm	4,22	9.30

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

Shrink Fit technical section, see page M78.

Supplied with stop screw.

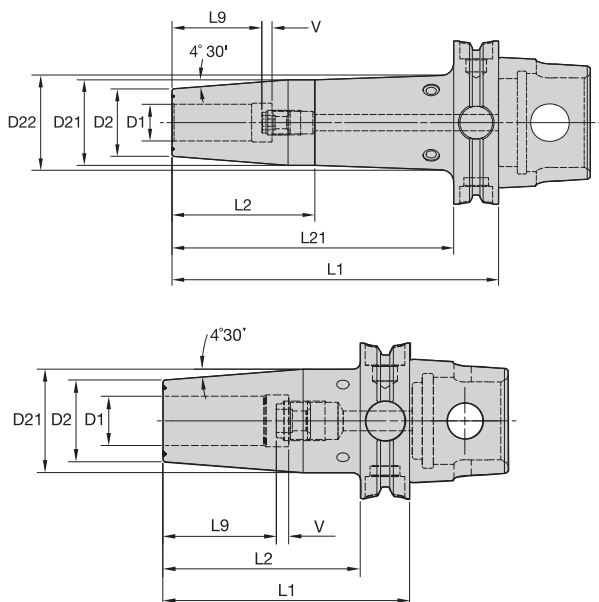
Adjusting stop screw gage, see page M81.

Shrink Fit accessories, see page L12–L13.

Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

HSK coolant unit and wrench are available and must be ordered separately; see page L44.

- 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	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg	lbs
3682747	KM80TSHPVTTHT12095M	12	24	32	—	95	73	—	36	10	TTSS10014M	5mm	1,45	3.19
3682748	KM80TSHPVTTHT12160M	12	24	32	37	160	63	138	36	10	TTSS10014M	5mm	1,92	4.22
3682749	KM80TSHPVTTHT14095M	14	27	34	—	95	73	—	36	10	TTSS10014M	5mm	1,51	3.32
3682750	KM80TSHPVTTHT16100M	16	27	34	—	100	78	—	39	10	TTSS12014M	6mm	1,51	3.34
3682751	KM80TSHPVTTHT18100M	18	33	42	—	100	78	—	39	10	TTSS12014M	6mm	1,72	3.80
3682752	KM80TSHPVTTHT18160M	18	33	42	47	160	70	138	39	10	TTSS12014M	6mm	2,44	5.37
3682773	KM80TSHPVTTHT20105M	20	33	42	—	105	83	—	41	10	TTSS16014M	8mm	1,74	3.83
3682774	KM80TSHPVTTHT25115M	25	44	53	—	115	93	—	47	10	TTSS16014M	8mm	2,31	5.09
3682775	KM80TSHPVTTHT32120M	32	44	53	—	120	98	—	51	10	TTSS16014M	8mm	2,23	4.91

(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	D22	L1	L2	L21	L9	V	stop screw	wrench size stop screw	kg	lbs
3684074	KM80TSHPVTTHT050374	1/2	.945	1.256	—	3.740	2.874	—	1.417	.394	TTSS10014M	5mm	1,44	3.18
3684075	KM80TSHPVTTHT056374	9/16	1.063	1.335	—	3.740	2.874	—	1.417	.394	TTSS10014M	5mm	1,50	3.31
3684076	KM80TSHPVTTHT062394	5/8	1.063	1.335	—	3.937	3.071	—	1.535	.394	TTSS12014M	6mm	1,52	3.34
3684077	KM80TSHPVTTHT062850	5/8	1.063	1.335	1.695	8.500	2.480	7.638	1.535	.394	TTSS12014M	6mm	2,56	5.65
3684078	KM80TSHPVTTHT075413	3/4	1.299	1.650	—	4.134	3.268	—	1.614	.394	TTSS16014M	8mm	1,75	3.86
3684079	KM80TSHPVTTHT075630	3/4	1.299	1.650	1.837	6.299	2.756	5.433	1.614	.394	TTSS16014M	8mm	2,41	5.32
3684080	KM80TSHPVTTHT088413	7/8	1.299	1.650	—	4.134	3.268	—	1.614	.394	TTSS16014M	8mm	1,71	3.77
3684081	KM80TSHPVTTHT100453	1	1.732	2.083	—	4.528	3.662	—	1.850	.394	TTSS16014M	8mm	2,30	5.07
3684082	KM80TSHPVTTHT125472	1 1/4	1.732	2.083	—	4.724	3.858	—	2.008	.394	TTSS16014M	8mm	2,23	4.92

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

Shrink Fit technical section, see page M78.

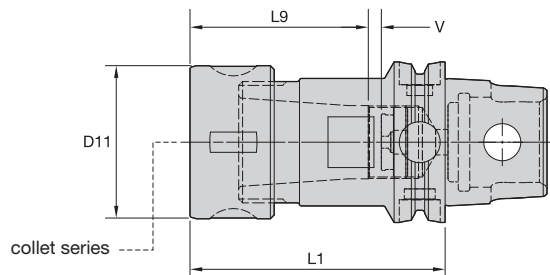
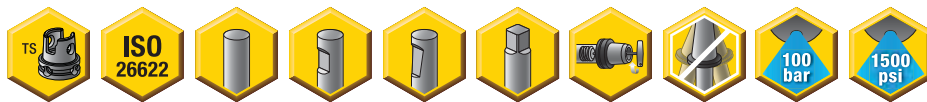
Supplied with stop screw.

Adjusting stop screw gage, see page M81.

Shrink Fit accessories, see page L12–L13.

Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) is available. Order number is MS1276PKG and must be ordered separately.

- Tremendous Grip (3:1 advantage).



TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG75	2,6	20,0	3/64	3/4
TG100	2,6	25,5	5/64	1
TG150	11,6	40,0	23/64	1-1/2

■ TG

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3670114	KM80TSTG075160M	TG75	50	1.969	160	6.299	53	2.087	47	1.850	2,89	6.37
3670115	KM80TSTG100100M	TG100	60	2.362	100	3.937	71	2.795	—	—	2,29	5.04
3670116	KM80TSTG150125M	TG150	85	3.346	125	4.921	83	3.268	—	—	4,28	9.43

■ Spare Parts



catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw	Nm	ft. lbs.
KM80TSTG075160M	LNA075M	HSW45M	108	80	SS081041G	4mm & 5/32	108 - 136	80 - 100
KM80TSTG100100M	LNA100M	HSW58M	163	120	—	—	163 - 203	120 - 150
KM80TSTG150125M	LNA150M	HSW80M	217	160	—	—	217 - 271	160 - 200

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 M98.

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 L16–L17.

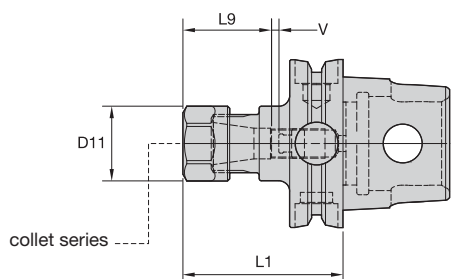
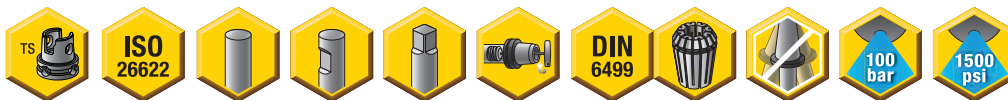
Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.

Balanceable/interchangeable locknuts are available and must be ordered separately; see page L16.

TG standard straight-bore collets, see page J10.

TG tap collets, see page J10.

- Grip (2:1 advantage).



KM80TS Shank Tools



ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER20	0,5	13,0	.02	.50

■ ER • Hex Nut

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3683339	KM80TSER20100M	ER20	34	1.339	100	3.937	36	1.417	43	1.693	1,49	3.29

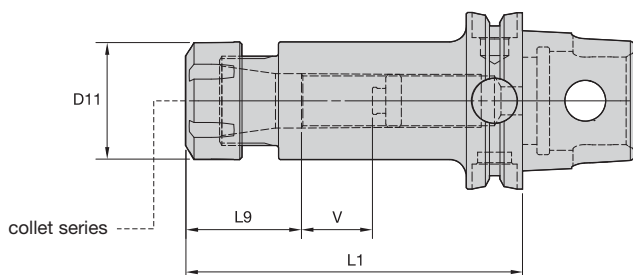
■ Spare Parts

catalog number	hex locknut	OEW	stop screw	counterbore collet torque		straight collet torque	
				Nm	ft. lbs.	Nm	ft. lbs.
KM80TSER20100M	LNHSER20M	OEW30M	SS056041G	32	24	80	59

(continued)

(ER continued)

- Grip (2:1 advantage).



ER collet series	Collet Capacity			
	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

■ ER • Round Nut

order number	catalog number	collet series	D11		L1		L9		V		kg	lbs
			mm	in	mm	in	mm	in	mm	in		
3683341	KM80TSER25100M	ER25	42	1.654	100	3.937	40	1.575	37	1.457	1,67	3.67
3683342	KM80TSER32065M	ER32	50	1.969	65	2.559	47	1.862	—	—	1,42	3.13
3683354	KM80TSER32100M	ER32	50	1.969	100	3.937	46	1.811	28	1.102	1,85	4.08
3683353	KM80TSER40090M	ER40	63	2.480	90	3.543	70	2.768	—	—	2,06	4.53
3683355	KM80TSER40140M	ER40	63	2.480	140	5.512	52	2.047	48	1.890	3,12	6.87

■ Spare Parts



catalog number	locknut	wrench	stop screw	Nm	ft. lbs.
KM80TSER25100M	LNSER25M	ER25WM	SS075041G	104	77
KM80TSER32065M	LNSER32M	ER32WM	—	136	100
KM80TSER32100M	LNSER32M	ER32WM	SS094041G	136	100
KM80TSER40090M	LNSER40M	ER40WM	—	176	130
KM80TSER40140M	LNSER40M	ER40WM	SS112041G	176	130

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 M98.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

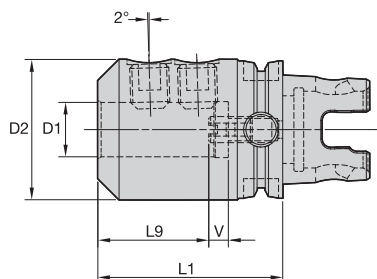
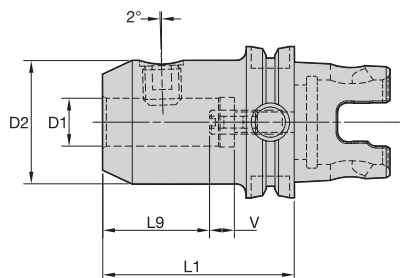
Interchangeable coolant-style locknuts and coolant disks are available and must be ordered separately; see page L22.

Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.

ER standard straight-bore collets, see page J50.

ER tap collets, see pages J58–J59.

ER TCT tension-only tap collets, see page J60.

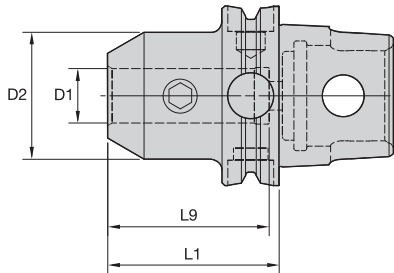
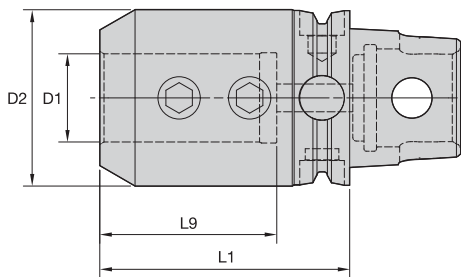


■ WN • Metric



order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
3670133	KM80TSWN12075M	12	42	75	40	10	SS03M023	6mm	35	571.074	5mm	1,61
3670134	KM80TSWN20085M	20	52	85	45	10	SS03M026	8mm	95	571.076	6mm	1,96
3670135	KM80TSWN25100M	25	65	100	50	10	SS03M027	10mm	135	571.077	6mm	2,78
3670136	KM80TSWN32105M	32	72	105	54	10	SS03M029	10mm	160	571.077	6mm	3,22

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



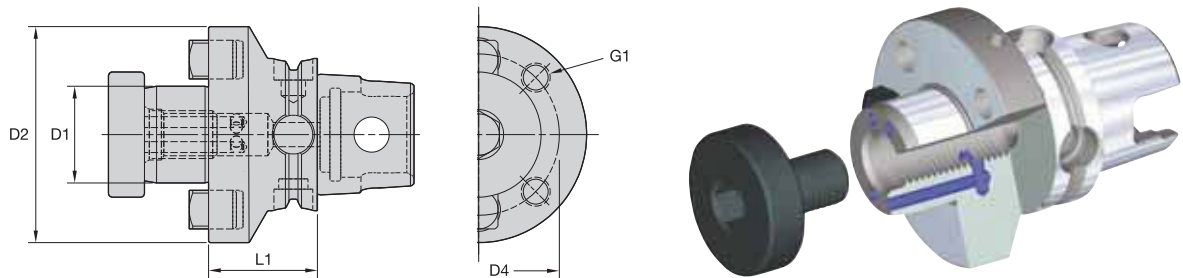
order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
3683878	KM80TSEM12070M	12	42	70	50	SS03M023	6mm	35	1,55
3683879	KM80TSEM14070M	14	44	70	50	SS03M023	6mm	35	1,59
3683880	KM80TSEM16070M	16	48	70	53	SS03M025	6mm	50	1,67
3683881	KM80TSEM18070M	18	50	70	53	SS03M025	6mm	50	1,70
3683882	KM80TSEM20070M	20	52	70	55	SS03M026	8mm	95	1,73
3683903	KM80TSEM25090M	25	65	90	60	SS03M027	10mm	135	2,53
3683904	KM80TSEM32090M	32	72	90	65	SS03M029	10mm	160	2,76
3683905	KM80TSEM40100M	40	90	100	75	SS03M032	10mm	160	4,09

■ EM • Inch

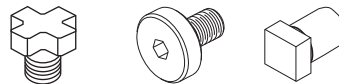


order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
3670301	KM80TSEM050354	1/2	1.375	3.543	1.974	ELS044038PKG	7/32	20	3.39
3670343	KM80TSEM062354	5/8	1.625	3.543	2.094	ELS056050PKG	1/4	40	3.76
3670344	KM80TSEM075354	3/4	1.750	3.543	2.224	ELS062050PKG	5/16	70	3.90
3670345	KM80TSEM088354	7/8	2.000	3.543	2.224	ELS062050PKG	5/16	70	4.34
3670346	KM80TSEM100354	1	2.000	3.543	2.559	ELS075056PKG	3/8	110	4.13
3670347	KM80TSEM125354	1 1/4	2.500	3.543	2.509	ELS075056PKG	3/8	110	5.10
3670348	KM80TSEM150382	1 1/2	2.750	3.819	2.931	ELS075056PKG	3/8	110	5.74
3670349	KM80TSEM200492	2	3.750	4.921	3.533	ELS100088PKG	1/2	150	11.57

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

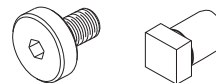


■ SMC • Metric



order number	catalog number	D1	D2	D4	G1	L1	lock screw	lock screw	drive key	wrench size lock screw	kg
3683472	KM80TSSMC27050M	27	60	—	—	50	—	KLSS27M	KDK27M	10mm	1,86
3683483	KM80TSSMC32060M	32	78	—	—	60	—	KLSS32M	KDK32M	14mm	2,62
3683484	KM80TSSMC32100M	32	78	—	—	100	—	KLSS32M	KDK32M	14mm	3,79
3683485	KM80TSSMC40060M	40	89	67	M12X1.75	60	—	KLSS40M	KDK40M	17mm	3,21
3683486	KM80TSSMC40100M	40	89	67	M12X1.75	100	—	KLSS40M	KDK40M	17mm	4,56
3683487	KM80TSSMC50070M	50	98	—	—	70	KLS50M	—	KDK40M	—	4,26
3683488	KM80TSSMC60070M	60	129	102	M16X2.0	70	—	—	KDK60M	—	5,81

■ SMC • Inch

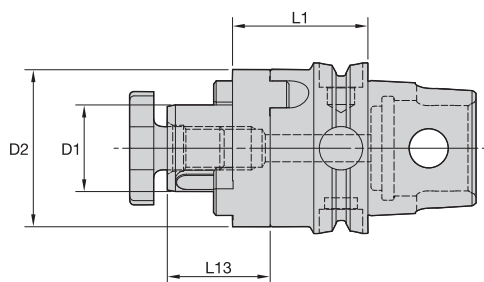
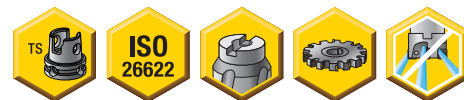


order number	catalog number	D1	D2	D4	G1	L1	lock screw	drive key	wrench size lock screw	lbs
3670508	KM80TSSMC100158	1	2.752	—	—	1.575	KLS10	KDK06	5/16	3.88
3670509	KM80TSSMC125158	1 1/4	2.878	—	—	1.575	KLS12	KDK08	5/16	4.19
3670510	KM80TSSMC125394	1 1/4	2.878	—	—	3.937	KLS12	KDK08	5/16	8.45
3670511	KM80TSSMC150158	1 1/2	3.386	—	—	1.575	KLS15	KDK10	3/8	5.00
3670512	KM80TSSMC200216	2	4.882	4.000	5/8 - 11	2.165	KLS20	KDK12	9/16	9.48
3670533	KM80TSSMC250225	2 1/2	4.882	4.000	5/8 - 11	2.250	—	KDK16	—	10.74
3670534	KM80TSSMC250450	2 1/2	4.882	4.000	5/8 - 11	4.500	—	KDK16	—	22.55

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 L38.
 Lock screw wrench not included.

KM80TS™ Shank Tools

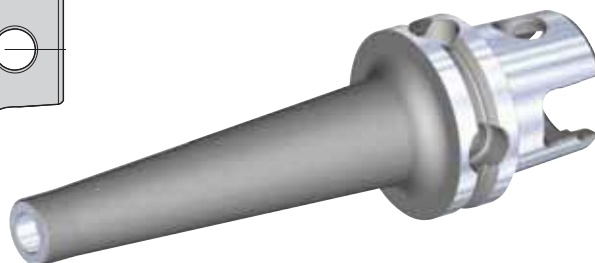
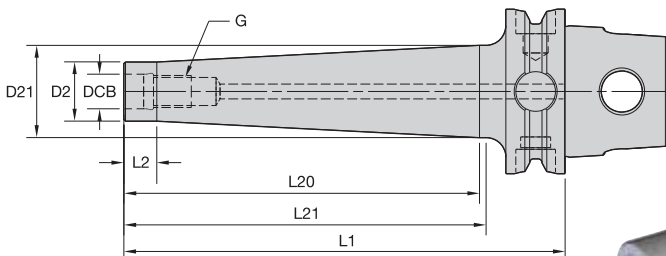
CS Combi-Type Shell Mill Adapters • Screw-On Adapters for Modular Milling Cutters



CS • Metric



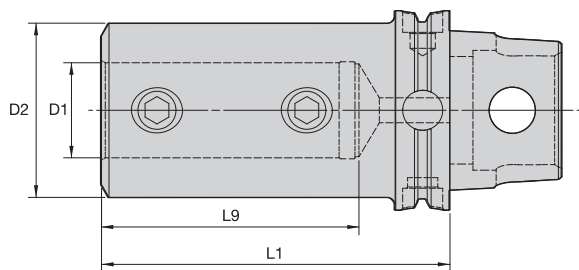
order number	catalog number	D1	D2	L1	L13	lock screw	Nm	combi driver	combi drive key	kg
3735656	KM80TSCS32050M	32	58	50	38	KLS32M	95	CDR32M	CDK32M	1,89
3735658	KM80TSCS40060M	40	70	60	41	KLS40M	100	CDR40M	CDK40M	2,62



STC

order number	catalog number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4137836	KM80TSSTC12087M	12,5	M12	21	24	87	10	57	59	1,29
4137837	KM80TSSTC12137M	12,5	M12	21	28	137	10	107	109	1,50
4137838	KM80TSSTC12187M	12,5	M12	21	30	187	10	157	159	1,73
4137839	KM80TSSTC12237M	12,5	M12	21	32	237	10	207	209	1,99
4137840	KM80TSSTC16087M	17,0	M16	29	33	87	10	57	59	1,45
4137841	KM80TSSTC16137M	17,0	M16	29	35	137	10	107	109	1,78
4137842	KM80TSSTC16187M	17,0	M16	29	38	187	10	157	159	2,19
4137883	KM80TSSTC16237M	17,0	M16	29	40	237	10	207	209	2,62

NOTE: For technical information, see page M96–M97.



■ SSF • Inch

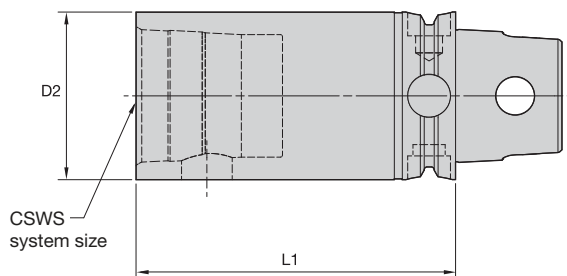


order number	catalog number	D1	D2	L1	L9	flat point socket set screw	ft. lbs.	lbs
3683935	KM80TSSSF075350	3/4	1.750	3.500	2.311	ELS062050PKG	70	3.94
3683936	KM80TSSSF100450	1	2.000	4.500	3.307	—	110	4.91
3683937	KM80TSSSF125500	1 1/4	2.500	5.000	3.563	ELS075056PKG	110	6.88
3683938	KM80TSSSF150550	1 1/2	2.750	5.500	4.063	ELS075056PKG	110	8.08
3683939	KM80TSSSF200650	2	3.750	6.500	4.311	ELS100088PKG	150	15.88



WARNING

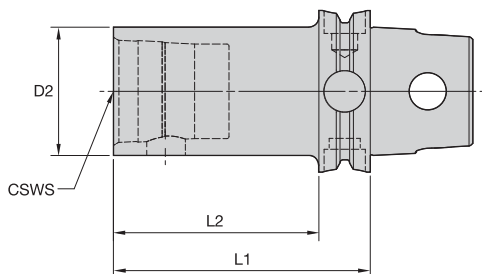
During through-hole operations, a slug or disk is produced as the tool breaks through the workpiece. When the drill is stationary and the workpiece is rotating, this slug may be hurled from the chuck by centrifugal force. Provide adequate shielding to protect bystanders.



■ S • KM™ Extension



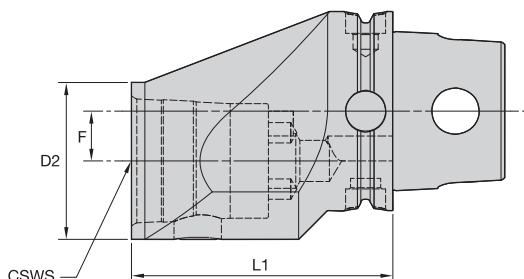
order number	catalog number	CSWS system size	D2		L1		spare parts package	Nm	ft. lbs.	kg	lbs
			mm	in	mm	in					
3668965	KM80TSS80120M	KM80	80	3.150	120	4.724	KM80PKG3S	78-84	58-64	4,23	9.32
3668967	KM80TSS80160M	KM80	80	3.150	160	6.299	KM80PKG3S	78-84	58-64	5,76	12.71



■ S • KM Reducer



order number	catalog number	CSWS system size	D2		L1		L2		spare parts package	Nm	ft. lbs.	kg	lbs
			mm	in	mm	in	mm	in					
3668961	KM80TSS40060M	KM40	40	1.575	60	2.362	38	1.496	KM40PKG3S	12-16	9-12	1,41	3.10
3668963	KM80TSS50080M	KM50	50	1.969	80	3.150	58	2.283	KM50PKG3S	27-34	20-25	1,81	3.99
3668964	KM80TSS63080M	KM63	63	2.480	80	3.150	58	2.283	KM63PKG3S	47-54	35-40	2,14	4.71



■ ES • KM Offset Reducer

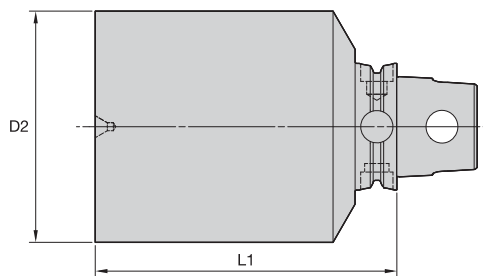


order number	catalog number	CSWS system size	D2		L1		F		spare parts package	wrench size actuation screw	Nm	ft. lbs.	kg	lbs
			mm	in	mm	in	mm	in						
3734754	KM80TSESR63105M right hand	KM63	63	2.4803	105	4.134	20	.787	KM63PKG3S	12mm	47-54	35-40	3,81	8.40
3734753	KM80TSESL63105M left hand	KM63	63	2.4803	105	4.134	20	.787	KM63PKG3S	12mm	47-54	35-40	3,81	8.40

- Machinable front 32–38 HRC.



KM80TS Shank Tools



■ BN

order number	catalog number	D2		L1		hardness range	kg	lbs
		mm	in	mm	in			
3653264	KM80TSBN125075M	125	4.921	75	2.953	32–38 HRC	6,17	13.60
3653265	KM80TSBN140130M	140	5.512	130	5.118	32–38 HRC	14,08	31.04
3653266	KM80TSBN150160M	150	5.906	160	6.299	32–38 HRC	20,13	44.39
3653267	KM80TSBN150250M	150	5.906	250	9.843	32–38 HRC	32,59	71.85
3653268	KM80TSBN175175M	175	6.890	175	6.890	32–38 HRC	29,56	65.17