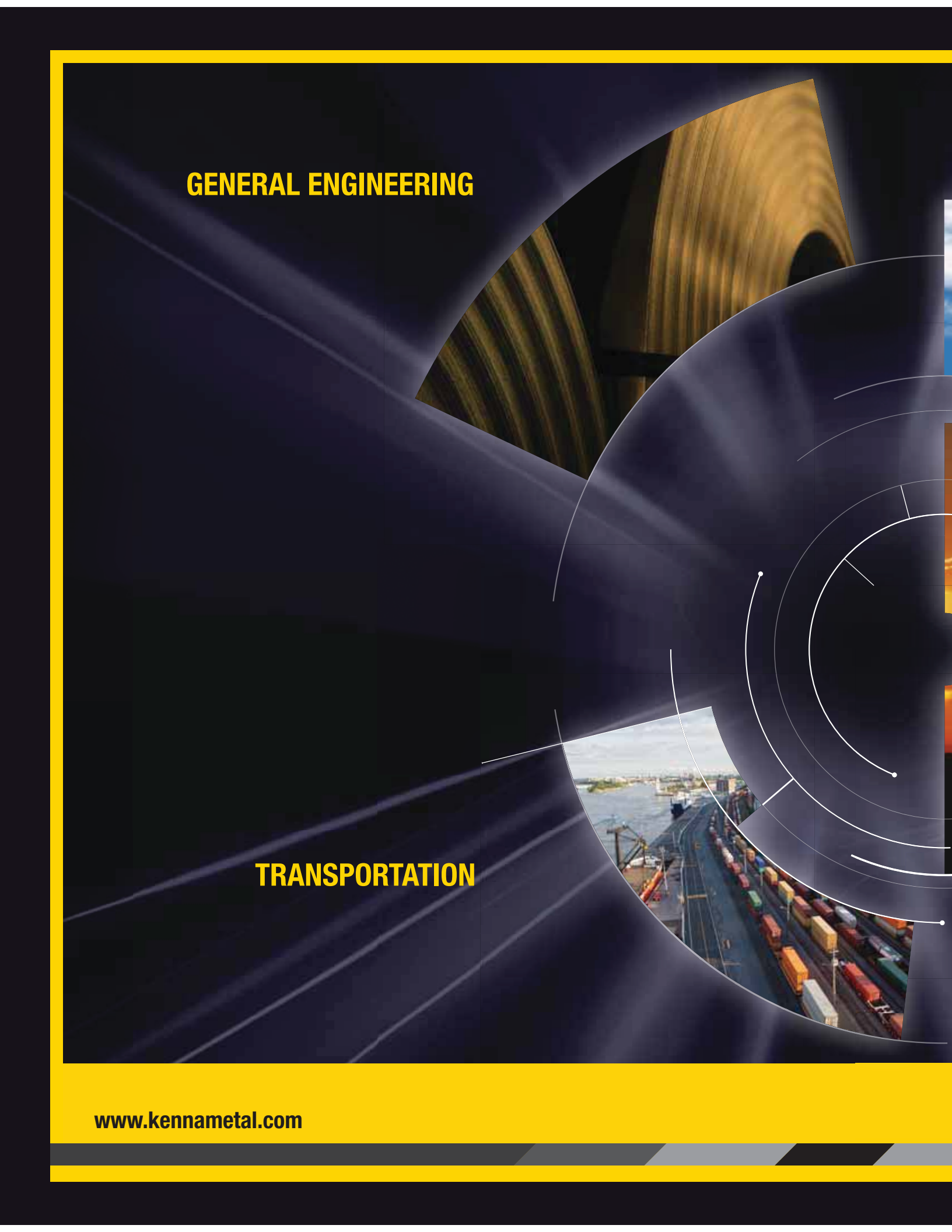


INNOVATIONS
MASTER CATALOG

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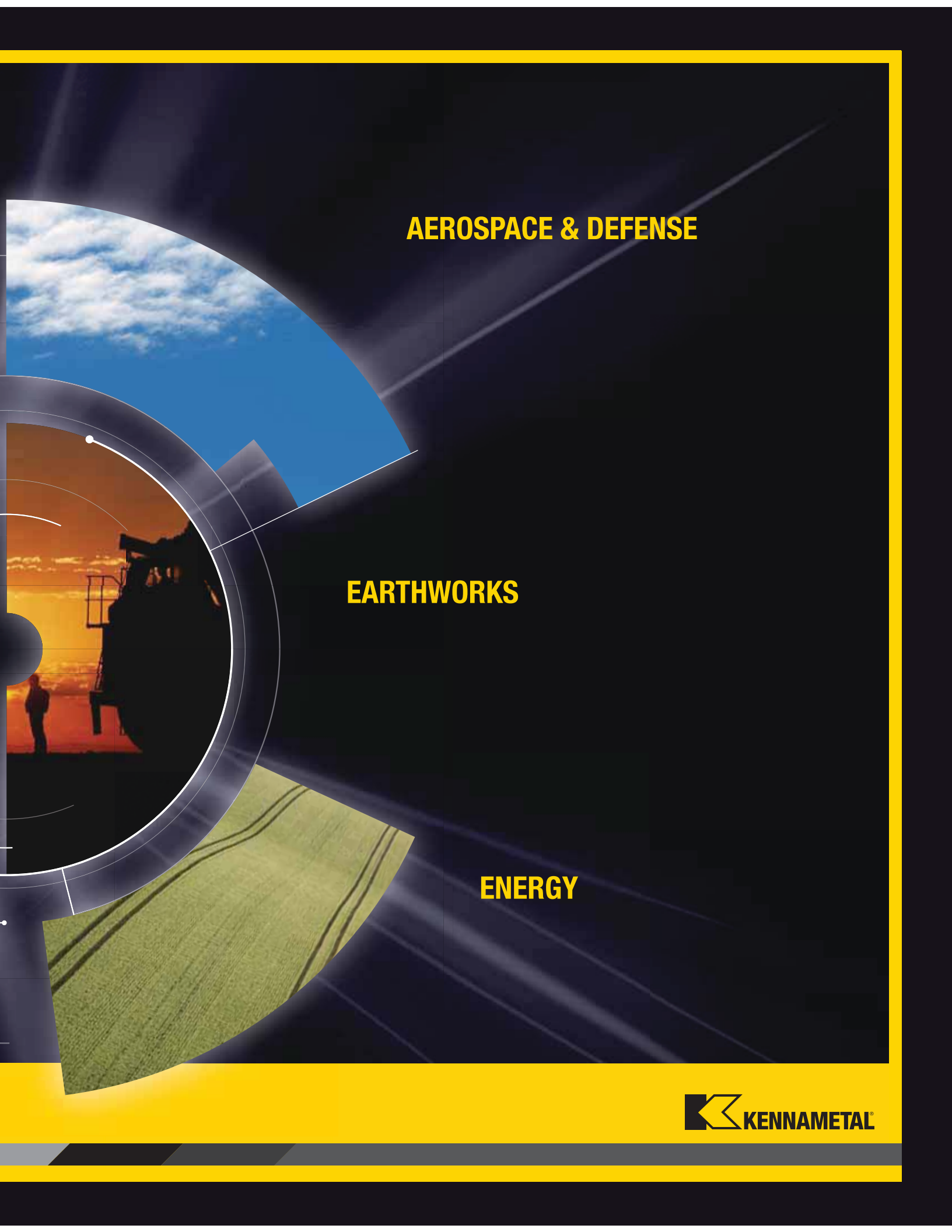




GENERAL ENGINEERING

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AEROSPACE & DEFENSE

EARTHWORKS

ENERGY

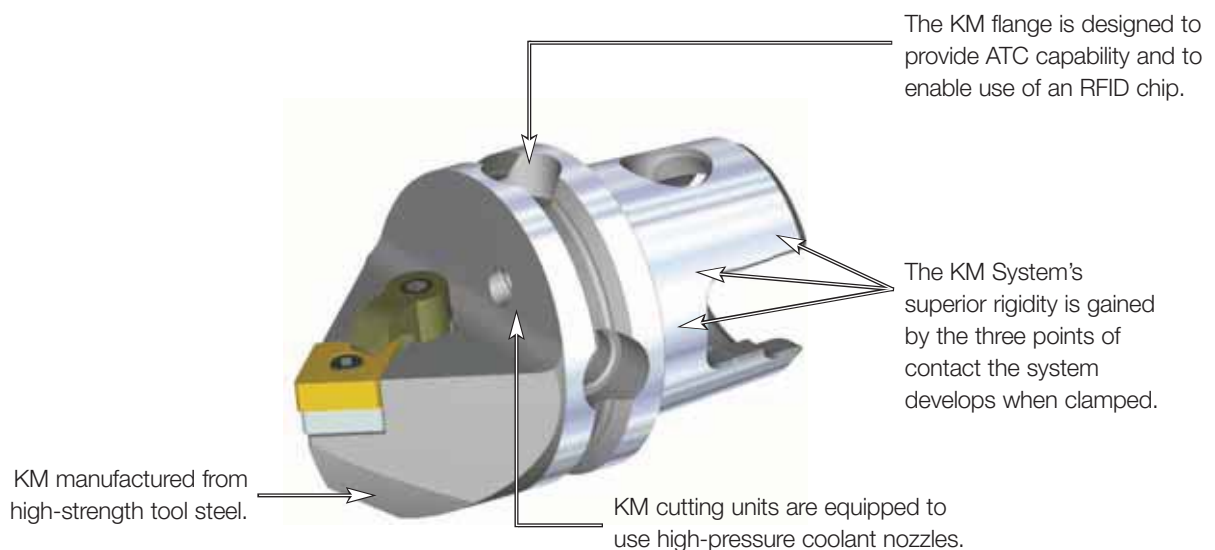
KM™ Quick Change Clamping System • KM50TS™ Series

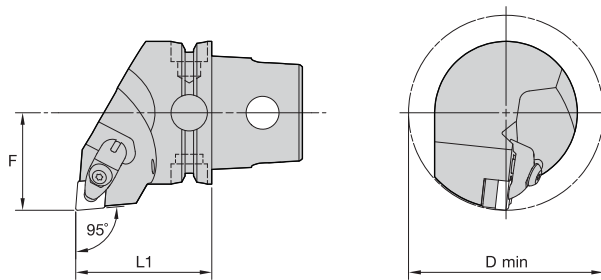
Primary Application

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.



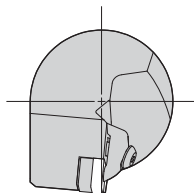
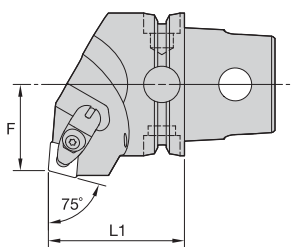


■ DCLN 95°

order number	catalog number	L1		F		D min		gage insert	kg
		mm	in	mm	in	mm	in		
	right hand								
3738457	KM50TSDCLNR12KC04	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	0,62
3738459	KM50TSDCLNR16KC06	50	1.969	35	1.378	—	—	CN..160612/CN..543	0,61
	left hand								
3738456	KM50TSDCLNL12KC04	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	0,62
3738458	KM50TSDCLNL16KC06	50	1.969	35	1.378	—	—	CN..160612/CN..543	0,61

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDCLNR12KC04	ICSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDCLNR16KC06	ICSN543	KMSP515IP	CM209R ASSY	SSP025018M
left hand				
KM50TSDCLNL12KC04	ICSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDCLNL16KC06	ICSN543	KMSP515IP	CM209R ASSY	SSP025018M

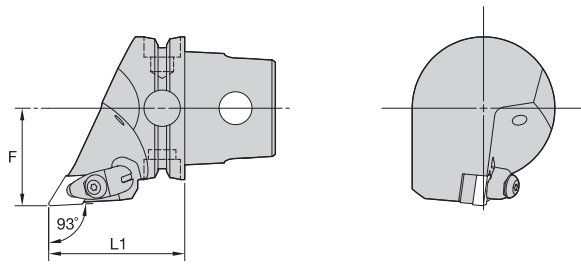


■ DCRN 75°

order number	catalog number	L1		F		gage insert	kg
		mm	in	mm	in		
	right hand						
3738461	KM50TSDCRNR12KC04	50	1.969	30	1.181	CN..120408/CN..432	0,62
	left hand						
3738460	KM50TSDCRNL12KC04	50	1.969	30	1.181	CN..120408/CN..432	0,62

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDCRNR12KC04	ICSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDCRNL12KC04	ICSN443	KMSP415IP	CM234R ASSY	SSP025016M

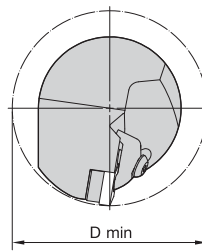
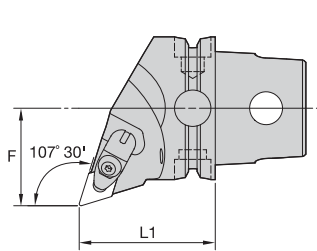


■ DDJN 93°

order number	catalog number	L1		F		gage insert	kg
		mm	in	mm	in		
	right hand						
3741359	KM50TSDDJNR15KC04060M	60	2.362	35	1.378	DN..150408/DN..432	0,63
3741360	KM50TSDDJNR15KC06060M	60	2.362	35	1.378	DN..150608/DN..442	0,63
	left hand						
3741357	KM50TSDDJNL15KC04060M	60	2.362	35	1.378	DN..150408/DN..432	0,63
3741358	KM50TSDDJNL15KC06060M	60	2.362	35	1.378	DN..150608/DN..442	0,62

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDDJNR15KC04060M	IDSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDDJNR15KC06060M	IDSN433	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDDJNL15KC04060M	IDSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDDJNL15KC06060M	IDSN433	KMSP415IP	CM234R ASSY	SSP025016M

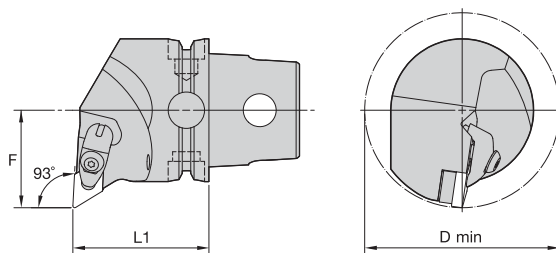


■ DDQN 107° 30'

order number	catalog number	L1		F		D min		gage insert	kg
		mm	in	mm	in	mm	in		
	right hand								
3741384	KM50TSDDQNR15KC04	50	1.969	35	1.378	80	3.15	DN..150408/DN..432	0,55
3741385	KM50TSDDQNR15KC06	50	1.969	35	1.378	80	3.15	DN..150608/DN..442	0,55
	left hand								
3741361	KM50TSDDQNL15KC04	50	1.969	35	1.378	80	3.15	DN..150408/DN..432	0,55
3741383	KM50TSDDQNL15KC06	50	1.969	35	1.378	80	3.15	DN..150608/DN..442	0,54

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDDQNR15KC04	IDSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDDQNR15KC06	IDSN433	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDDQNL15KC04	IDSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDDQNL15KC06	IDSN433	KMSP415IP	CM234R ASSY	SSP025016M

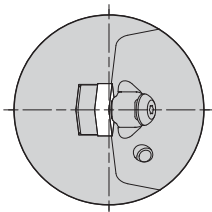
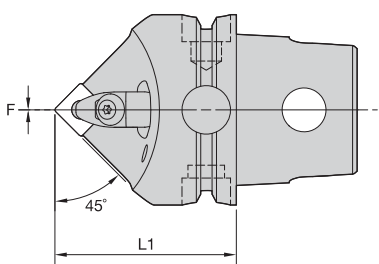


■ DDUN 93°

order number	catalog number	L1		F		D min		gage insert	kg
		mm	in	mm	in	mm	in		
	right hand								
3741389	KM50TSDDUNR15KC04	50	1.969	35	1.378	80	3.15	DN..150408/DN..432	0,65
3741391	KM50TSDDUNR15KC06	50	1.969	35	1.378	80	3.15	DN..150608/DN..442	0,65
	left hand								
3741386	KM50TSDDUNL15KC04	50	1.969	35	1.378	80	3.15	DN..150408/DN..432	0,65
3741387	KM50TSDDUNL15KC06	50	1.969	35	1.378	80	3.15	DN..150608/DN..442	0,64

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDDUNR15KC04	IDSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDDUNR15KC06	IDSN433	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDDUNL15KC04	IDSN443	KMSP415IP	CM234R ASSY	SSP025016M
KM50TSDDUNL15KC06	IDSN433	KMSP415IP	CM234R ASSY	SSP025016M

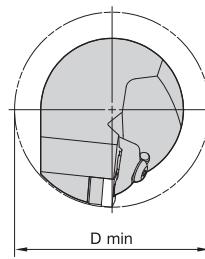
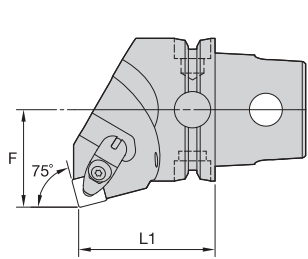


■ DSDN 45°

order number	catalog number	L1		F		gage insert	kg
		mm	in	mm	in		
3738085	KM50TSDSDNN12KC04	50	1.969	0	.000	SN..120408/SN..432	0,51

■ Spare Parts

catalog number	   			
	shim	shim screw	clamp assembly	pin
KM50TSDSDNN12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M

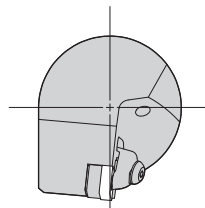
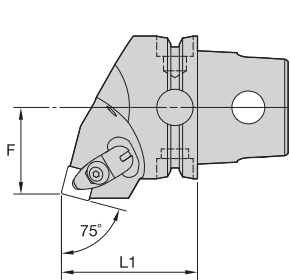


■ DSKN 75°

order number	catalog number	L1		F		D min		gage insert	kg
		mm	in	mm	in	mm	in		
3738087	right hand KM50TSDSKNR12KC04	50	1.969	35	1.378	70	2.76	SN..120408/SN..432	0,69
3738086	left hand KM50TSDSKNL12KC04	50	1.969	35	1.378	70	2.76	SN..120408/SN..432	0,69

■ Spare Parts

catalog number				
	shim	shim screw	clamp assembly	pin
right hand KM50TSDSKNR12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand KM50TSDSKNL12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M

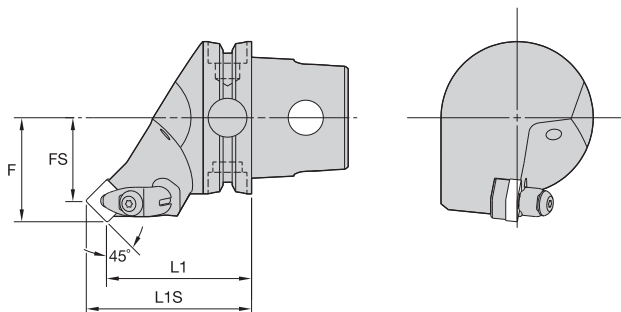


■ DSRN 75°

order number	catalog number	L1		F		gage insert	kg
		mm	in	mm	in		
	right hand						
3738089	KM50TSDSRNR12KC04	50	1.969	30	1.181	SN..120408/SN..432	0,61
	left hand						
3738088	KM50TSDSRNL12KC04	50	1.969	30	1.181	SN..120408/SN..432	0,61

■ Spare Parts

catalog number				
	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDSRNR12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDSRNL12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M

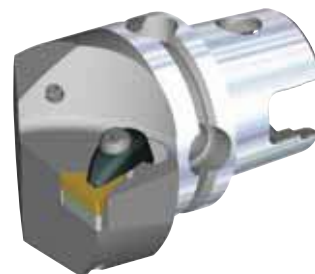
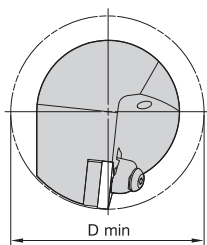
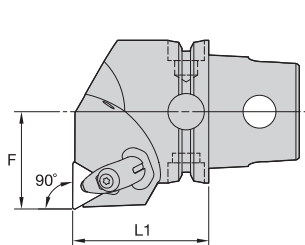


■ DSSN 45°

order number	catalog number	L1		L1S		F		FS		gage insert	kg
		mm	in	mm	in	mm	in	mm	in		
3738091	right hand KM50TSDSSNR12KC04	50	1.969	58,3	2.297	35	1.378	27	1.050	SN..120408/SN..432	0,64
3738090	left hand KM50TSDSSNL12KC04	50	1.969	58,3	2.297	35	1.378	27	1.050	SN..120408/SN..432	0,64

■ Spare Parts

catalog number				
	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDSSNR12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDSSNL12KC04	ISSN443	KMSP415IP	CM234R ASSY	SSP025016M

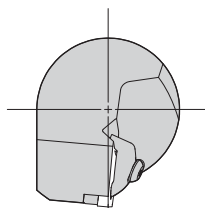
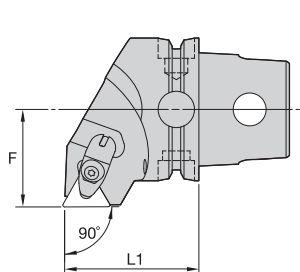


■ DTFN 90°

order number	catalog number	L1		F		D min		gage insert	kg
		mm	in	mm	in	mm	in		
	right hand								
3738158	KM50TSDTFNR22KC04055M	55	2.165	35	1.378	70	2.76	TN..220408/TN..432	0,78
	left hand								
3738157	KM50TSDTFNL22KC04055M	55	2.165	35	1.378	70	2.76	TN..220408/TN..432	0,78

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDTFNR22KC04055M	ITSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDTFNL22KC04055M	ITSN443	KMSP415IP	CM234R ASSY	SSP025016M

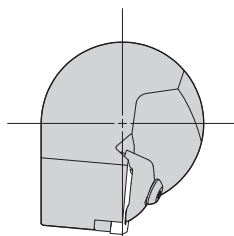
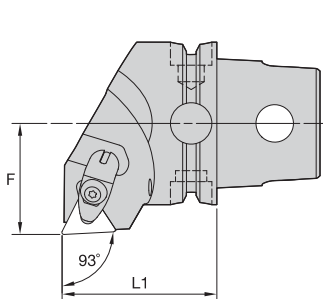


■ DTGN 90°

order number	catalog number	L1		F		gage insert	kg
		mm	in	mm	in		
3738160	right hand KM50TSDTGNR22KC04	50	1.969	35	1.378	TN..220408/TN..432	0,64
3738159	left hand KM50TSDTGNL22KC04	50	1.969	35	1.378	TN..220408/TN..432	0,64

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand KM50TSDTGNR22KC04	ITSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand KM50TSDTGNL22KC04	ITSN443	KMSP415IP	CM234R ASSY	SSP025016M

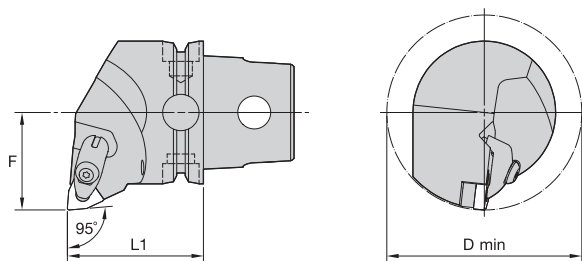


■ DTJN 93°

order number	catalog number	L1		F		gage insert	kg
		mm	in	mm	in		
	right hand						
3738162	KM50TSDTJNR22KC04	50	1.969	35	1.378	TN..220408/TN..432	0,64
	left hand						
3738161	KM50TSDTJNL22KC04	50	1.969	35	1.378	TN..220408/TN..432	0,64

■ Spare Parts

catalog number	shim	shim screw	clamp assembly	pin
right hand				
KM50TSDTJNR22KC04	ITSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand				
KM50TSDTJNL22KC04	ITSN443	KMSP415IP	CM234R ASSY	SSP025016M

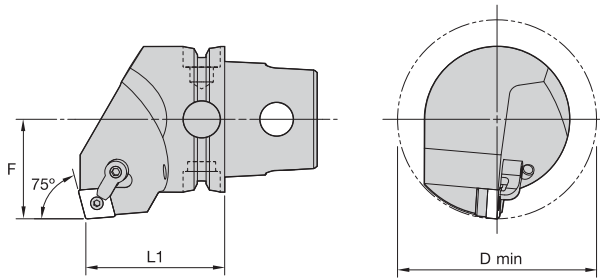


■ DWLN 95°

order number	catalog number	L1		F		D min		gage insert	kg
		mm	in	mm	in	mm	in		
3738178	right hand KM50TSDWLN08KC04	50	1.969	35	1.378	70	2.76	WN..080408/WN..432	0,65
3738177	left hand KM50TSDWLN08KC04	50	1.969	35	1.378	70	2.76	WN..080408/WN..432	0,66

■ Spare Parts

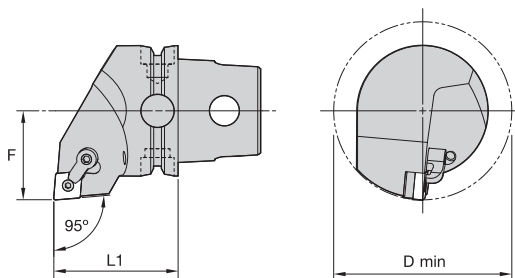
catalog number	shim	shim screw	clamp assembly	pin
right hand KM50TSDWLN08KC04	IWSN443	KMSP415IP	CM234R ASSY	SSP025016M
left hand KM50TSDWLN08KC04	IWSN443	KMSP415IP	CM234R ASSY	SSP025016M



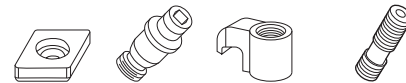
■ MCKN 75°



order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
	right hand													
3738139	KM50TSMCKNR12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,68	1.51
3738140	KM50TSMCKNR16	50	1.969	35	1.378	70	2.756	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,71	1.57
	left hand													
3738137	KM50TSMCKNL12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,68	1.51
3738138	KM50TSMCKNL16	50	1.969	35	1.378	70	2.756	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,71	1.57



■ MCLN 95°

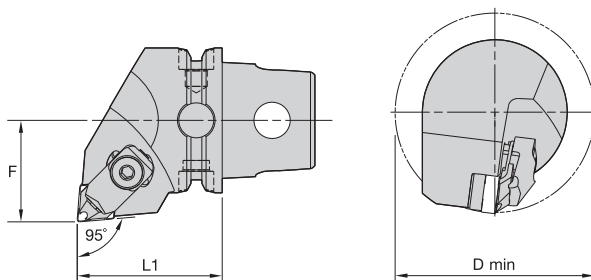


order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
	right hand													
3738164	KM50TSMCLNR12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,64	1.42
3738165	KM50TSMCLNR16	50	1.969	35	1.378	90	3.543	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,64	1.41
3738166	KM50TSMCLNR19	50	1.969	35	1.378	90	3.543	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,63	1.39
	left hand													
3738141	KM50TSMCLNL12	50	1.969	35	1.378	70	2.756	CN..120408/CN..432	ICSN432	KLM46	CKM20LP	STCM11	0,64	1.41
3738142	KM50TSMCLNL16	50	1.969	35	1.378	90	3.543	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,64	1.41
3738163	KM50TSMCLNL19	50	1.969	35	1.378	90	3.543	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,63	1.39



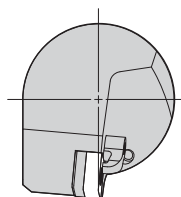
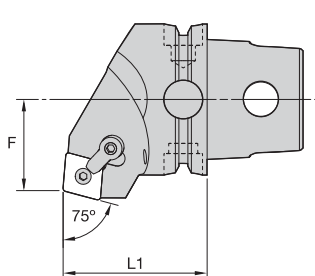
KM50TS Cutting Units

beyond BLAST™



■ MCLN 95°

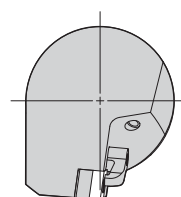
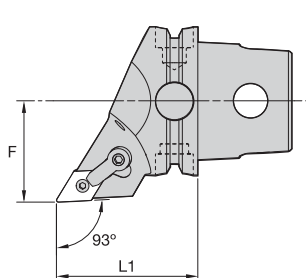
		L1		F		D min								
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp assembly	top plate	kg	lbs
4098740	right hand KM50TSMCLNR12BB	50	1.969	35	1.378	130	5.118	CN..120408RBB/CN..432RBB	ICSN433BB	KLM48BB	551.350	557.150	0,33	1.45
4098741	left hand KM50TSMCLNL12BB	50	1.969	35	1.378	130	5.118	CN..120408RBB/CN..432RBB	ICSN433BB	KLM48BB	551.350	557.150	0,33	1.45



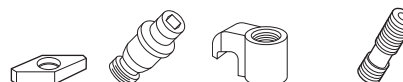
■ MCRN 75°



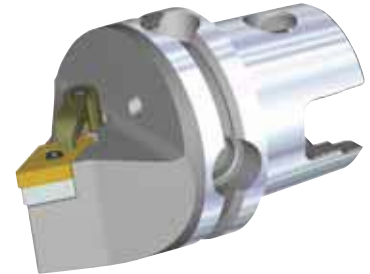
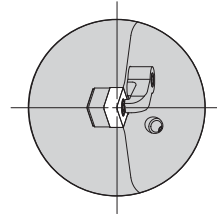
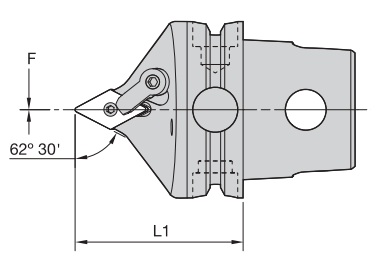
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738182	right hand KM50TSMCRNR12	50	1.969	30	1.181	CN..120408/CN..432	ICSN433	KLM46	CKM20LP	STCM11	0,66	1.44
3838383	KM50TSMCRNR16	50	1.969	30	1.181	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,66	1.45
3738183	KM50TSMCRNR19	50	1.969	30	1.181	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,66	1.45
3738179	left hand KM50TSMCRNL12	50	1.969	30	1.181	CN..120408/CN..432	ICSN433	KLM46	CKM20LP	STCM11	0,66	1.45
3738181	KM50TSMCRNL16	50	1.969	30	1.181	CN..160612/CN..543	ICSN533	KLM58	CKM20LP	STCM11	0,64	1.41
3838384	KM50TSMCRNL19	50	1.969	30	1.181	CN..190612/CN..643	ICSN633	KLM68	CKM13LP	STCM8	0,66	1.44



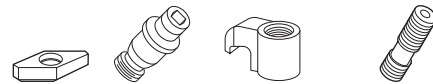
■ MDJN 93°



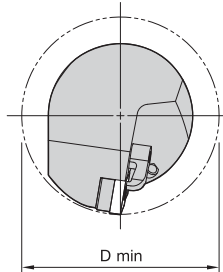
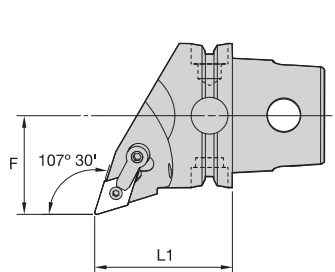
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		mm	in	mm	in							
right hand												
3738151	KM50TSMDJNR1504	50	1.969	35	1.378	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,50	1.110
3738152	KM50TSMDJNR1506	50	1.969	35	1.378	DN..150408/DN..432	IDSN432	KLM46L	CKM23LP	STCM11	0,50	1.110
3738153	KM50TSMDJNR1906	50	1.969	35	1.378	DN..190612/DN..532	IDSN532	KLM58	CKM13LP	STCM8	0,55	1.200
left hand												
3738149	KM50TSMDJNL1504	50	1.969	35	1.378	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,51	1.110
3738150	KM50TSMDJNL1506	50	1.969	35	1.378	DN..150408/DN..432	IDSN432	KLM46L	CKM23LP	STCM11	0,50	1.110



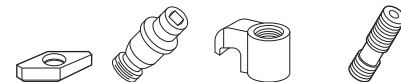
■ MDPN 62° 30'



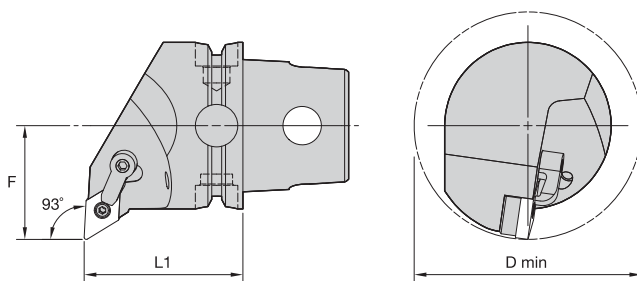
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738489	KM50TSM DPNN1504	50	1.969	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	0,46	1.02
3738509	KM50TSM DPNN1506	50	1.969	0	.000	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	0,46	1.02



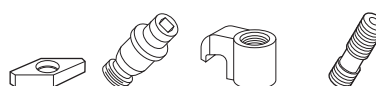
■ MDQN 107° 30'



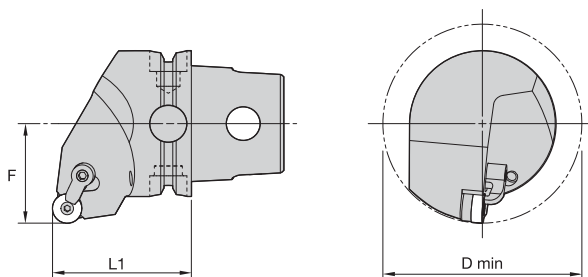
		L1		F		D min								
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
right hand														
3738522	KM50TSM DQNR1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,59	1.30
3738524	KM50TSM DQNR1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,59	1.29
left hand														
3738515	KM50TSM DQNL1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,59	1.30
3738519	KM50TSM DQNL1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,59	1.29



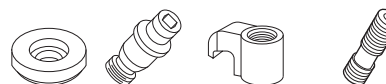
■ MDUN 93°



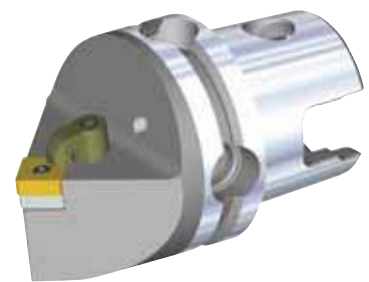
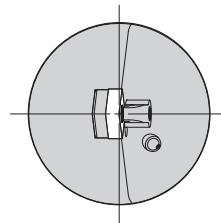
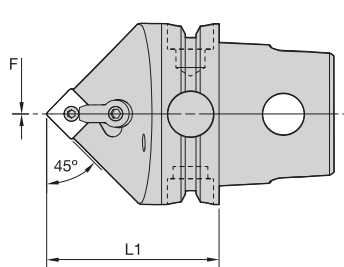
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
3738529	KM50TSM DUNR1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,64	1.41
3738530	KM50TSM DUNR1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,64	1.40
	left hand													
3738526	KM50TSM DUNL1504	50	1.969	35	1.378	70	2.756	DN..150408/DN..432	IDSN442	KLM46L	CKM23LP	STCM11	0,64	1.41
3738528	KM50TSM DUNL1506	50	1.969	35	1.378	70	2.756	DN..150608/DN..442	IDSN432	KLM46L	CKM23LP	STCM11	0,64	1.40



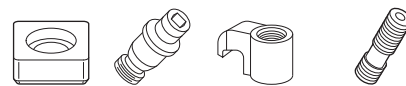
■ MRGN 0°



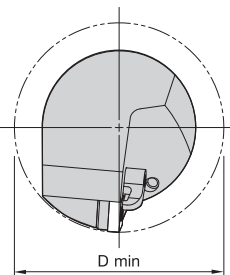
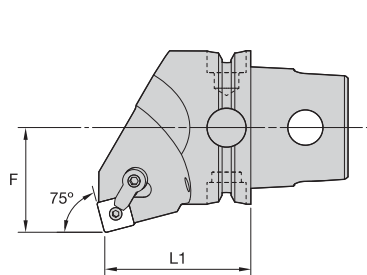
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
3738485	KM50TSMRGNR12	50	1.969	35	1.378	100	3.937	RN..1204000/RN..43	IRSN43	KLM46	CKM20LP	STCM11	0,64	1.41
	left hand													
3738484	KM50TSMRGNL12	50	1.969	35	1.378	100	3.937	RN..1204000/RN..43	IRSN43	KLM46	CKM20LP	STCM11	0,64	1.41



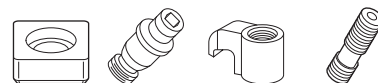
■ MSDN 45°



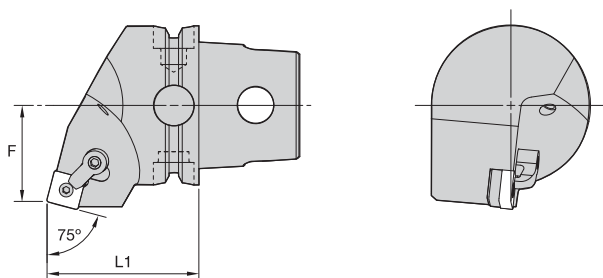
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		mm	in	mm	in							
3738567	KM50TSMDDN12	50	1.969	0	.000	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,51	1.13



■ MSKN 75°



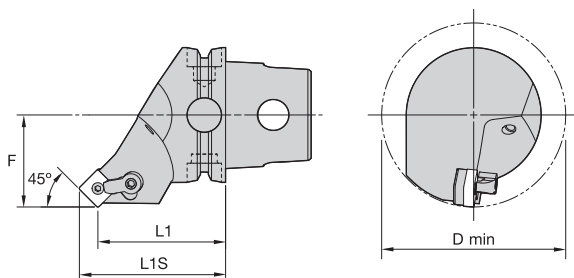
		L1		F		D min									
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lock pin	clamp	clamp screw	kg	lbs	
right hand															
3738572	KM50TSMKNNR12	50	1.969	35	1.378	70	2.756	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,69	1.52	
3738583	KM50TSMKNNR15	50	1.969	35	1.378	70	2.756	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,71	1.57	
3738585	KM50TSMKNNR19	50	1.969	35	1.378	70	2.756	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,72	1.59	
left hand															
3738568	KM50TSMKNNL12	50	1.969	35	1.378	70	2.756	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,69	1.53	
3738569	KM50TSMKNNL15	50	1.969	35	1.378	70	2.756	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,71	1.57	
3738571	KM50TSMKNNL19	50	1.969	35	1.378	70	2.756	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,72	1.59	



■ MSRN 75°



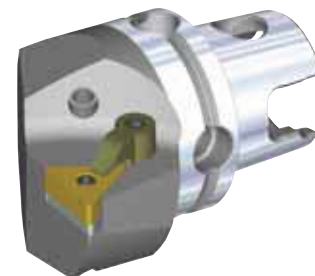
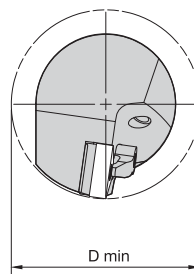
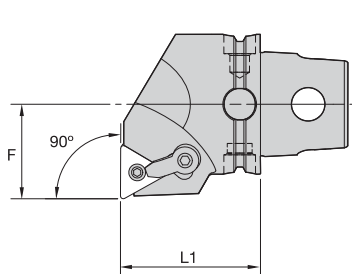
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738615	right hand KM50TMSRNR12	50	1.969	30	1.181	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,58	1.28
3738616	KM50TMSRNR15	50	1.969	30	1.181	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,60	1.32
3738617	KM50TMSRNR19	50	1.969	30	1.181	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,60	1.31
3738592	left hand KM50TMSRNL12	50	1.969	30	1.181	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,58	1.28
3738613	KM50TMSRNL15	50	1.969	30	1.181	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,60	1.32
3738614	KM50TMSRNL19	50	1.969	30	1.181	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,60	1.31



■ MSSN 45°



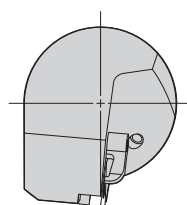
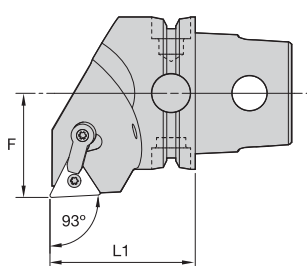
order number	catalog number	L1		L1S		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in	mm	in							
3738621	right hand KM50TSMSSNR12	50	1.969	58,3	2.297	35	1.378	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,60	1.30
3738622	KM50TSMSSNR15	50	1.969	60,2	2.372	35	1.378	100	3.937	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,63	1.38
3738623	KM50TSMSSNR19	50	1.969	62,5	2.460	35	1.378	100	3.937	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,67	1.47
3738618	left hand KM50TSMSSNL12	50	1.969	58,3	2.297	35	1.378	86	3.386	SN..120408/SN..432	ISSN432	KLM46	CKM20LP	STCM11	0,60	1.30
3738619	KM50TSMSSNL15	50	1.969	60,2	2.372	35	1.378	100	3.937	SN..150612/SN..543	ISSN533	KLM58	CKM20LP	STCM11	0,63	1.38
3738620	KM50TSMSSNL19	50	1.969	62,5	2.460	35	1.378	100	3.937	SN..190612/SN..643	ISSN633	KLM68	CKM13LP	STCM8	0,67	1.47



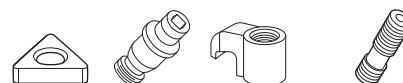
■ MTFN 90°



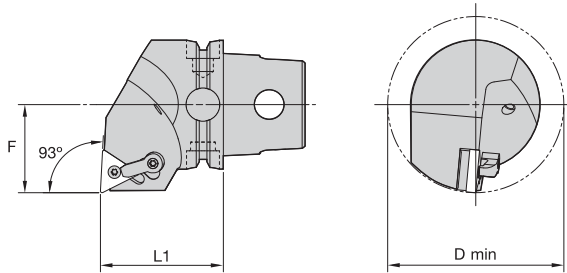
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
	right hand													
3738587	KM50TSMTFNR16	50	1.969	35	1.378	70	2.756	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,66	1.46
3738588	KM50TSMTFNR22	50	1.969	35	1.378	70	2.756	TN..220408/TN..432	ITSN433	KLM46	CKM23LP	STCM11	0,68	1.50
	left hand													
3838530	KM50TSMTFNL16	50	1.969	35	1.378	70	2.756	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,66	1.44
3838532	KM50TSMTFNL22	50	1.969	35	1.378	70	2.756	TN..220408/TN..432	ITSN433	KLM46	CKM23LP	STCM11	0,68	1.50



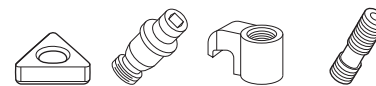
■ MTJN 93°



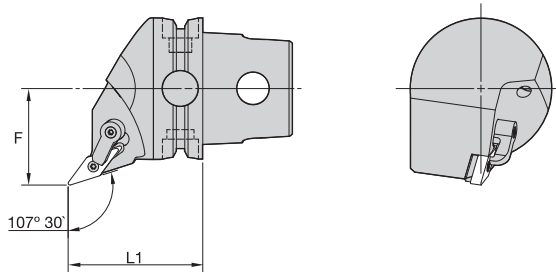
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
	right hand											
3738590	KM50TSMTJNR16	50	1.969	35	1.378	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,64	1.41
	left hand											
3738589	KM50TSMTJNL16	50	1.969	35	1.378	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,64	1.41



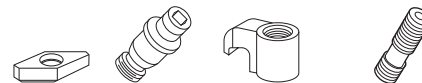
■ MTUN 93°



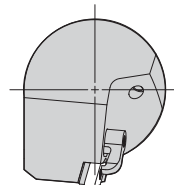
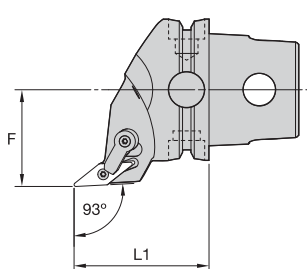
order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3738591	KM50TSMTUNL16	50	1.969	35	1.378	70	2.756	TN..160408/TN..332	ITSN322	KLM34L	CKM7LP	STCM9	0,63	1.39



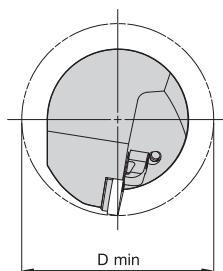
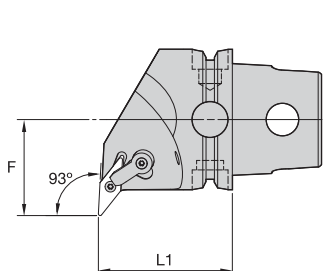
■ MVHN 107° 30'



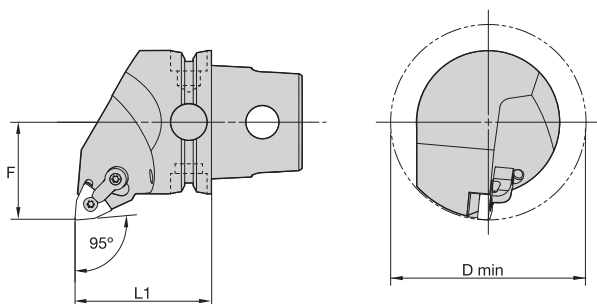
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738558	KM50TSMVHNR16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,56	1.23
3738557	KM50TSMVHNL16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,55	1.22


■ MVJN 93°

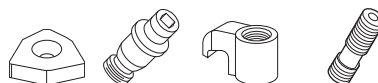

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738560	right hand KM50TSMVJNR16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,53	1.16
3738559	left hand KM50TSMVJNL16	50	1.969	35	1.378	VN..160408/VN..332	IVSN322	KLM34L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


■ MVUN 93°

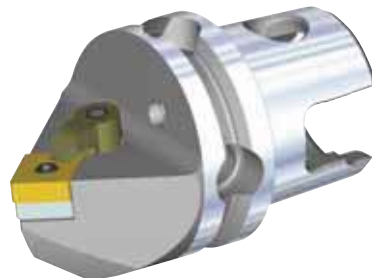
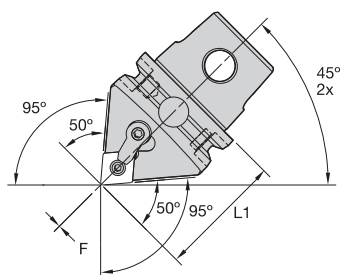

order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3738593	right hand KM50TSMVUNR16	50	1.969	35	1.378	70	2.756	VN..160408/VN..332	IVSN322	KLM34L	CKM23LP	STCM11	0,63	1.38
3738562	left hand KM50TSMVUNL16	50	1.969	35	1.378	70	2.756	VN..160408/VN..332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



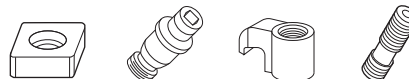
■ MWLN 95°



order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
	right hand													
3738596	KM50TSMWLNRO8	50	1.969	35	1.378	70	2.756	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,64	1.41
	left hand													
3738595	KM50TSMWLNLO8	50	1.969	35	1.378	70	2.756	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,64	1.41

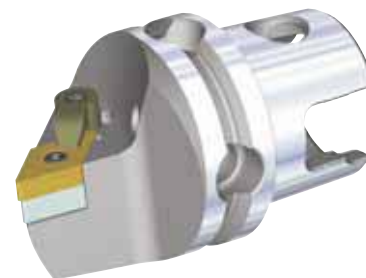
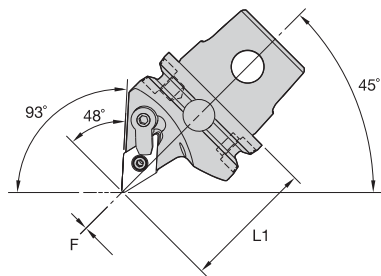


■ MCMN 50° • 95° Application • Centerline



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

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

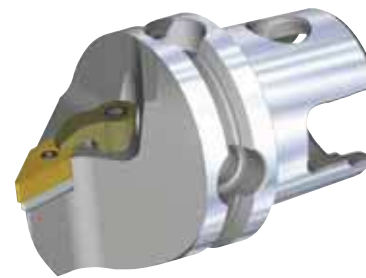
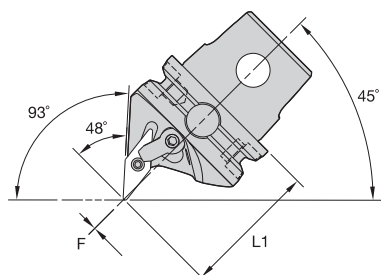
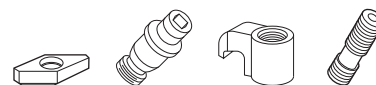


Left-Hand Tool

■ MDMN 48° • 93° Application • Centerline

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738154	KM50TSMNML1504	50	1.969	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM20	STCM11	0,45	.98
3738155	KM50TSMNML1506	50	1.969	0	.000	DN..150408/DN..432	IDSN432	KLM46L	CKM20	STCM11	0,44	.97

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

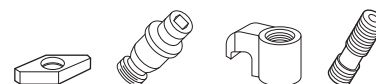


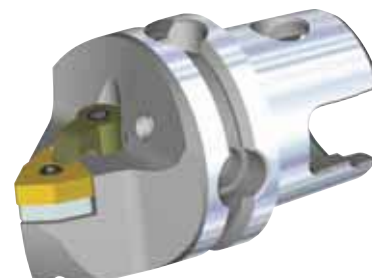
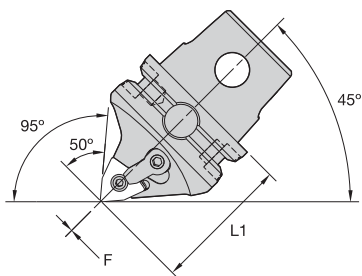
Left-Hand Tool

■ MVMN 48° • 93° Application • Centerline

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

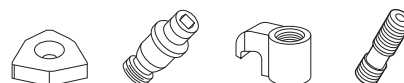
NOTE: Use the KM63TSS5065 reducer to produce an L1 of 115mm.





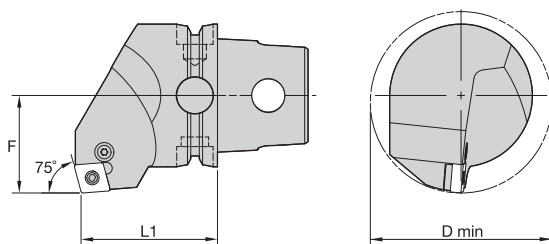
Left-Hand Tool

■ MWMN 50° • 95° Application • Centerline

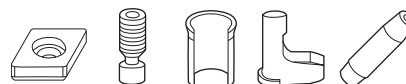


order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3738598	right hand KM50TSMWMNR08	50	1.969	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20LP	STCM11	0,49	1.08
3738597	left hand KM50TSMWMNL08	50	1.969	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20LP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

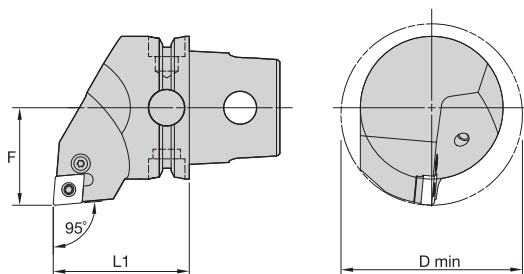
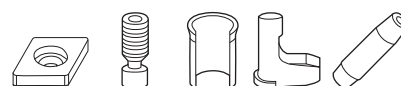
NOTE: Use the KM63TSS5065 reducer to produce an L1 of 115mm.



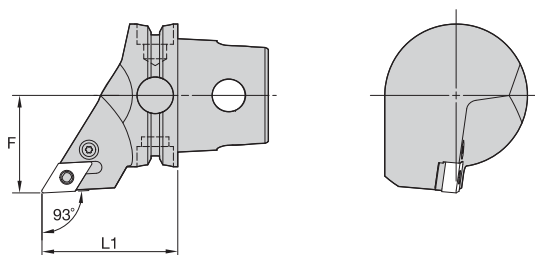
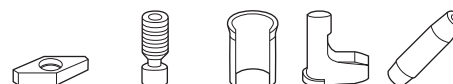
■ PCKN 75°



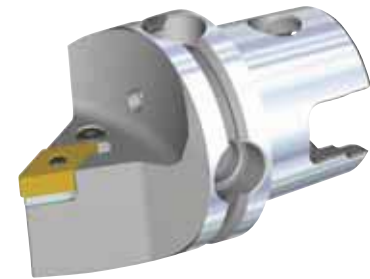
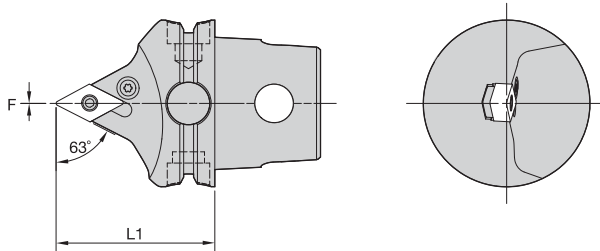
order number	catalog number	L1		F		D min	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in									
3738514	right hand KM50TSPCKNR12	50	1.969	35	1.378	63 2.480	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	0,68	1.50
3738513	left hand KM50TSPCKNL12	50	1.969	35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


■ PCLN 95°


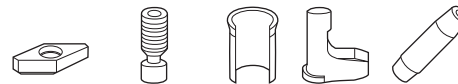
order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
	right hand														
3738517	KM50TSPCLNR12	50	1.969	35	1.378	63	2.480	CN..120408/CN..432	512.112	514.123	513.023	511.023	515.018	0,63	1.39
3738520	KM50TSPCLNR16	50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


■ PDJN 93°


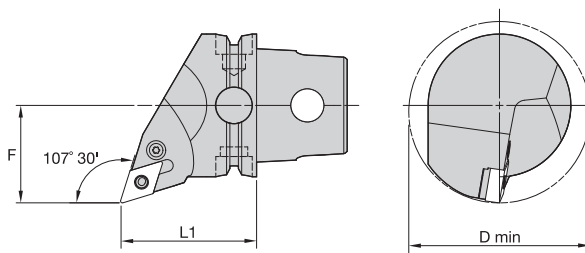
order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
	right hand												
3741390	KM50TSPDJNR11	50	1.969	35	1.378	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,52	1.15
3741392	KM50TSPDJNR15	50	1.969	35	1.378	DN..150608/DN..442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



■ PDNN 63°



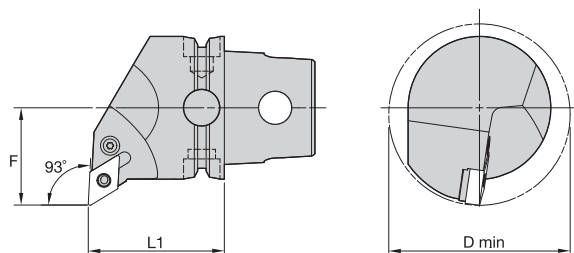
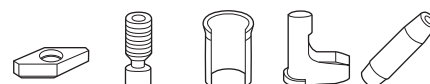
order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
3741394	right hand KM50TSPDNNR15	50	1.969	0	.000	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	0,42	.93
3741393	left hand KM50TSPDNNL15	50	1.969	0	.000	DN..150608/DN..442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



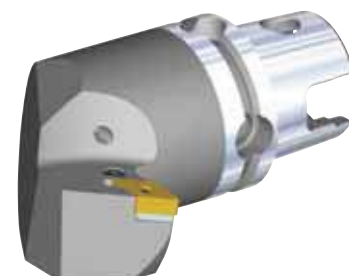
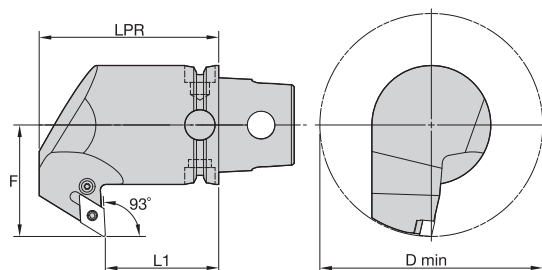
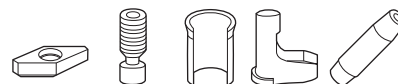
■ PDQN 107° 30'



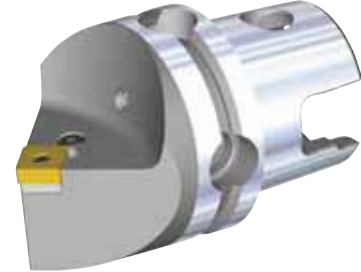
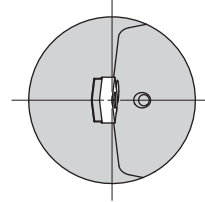
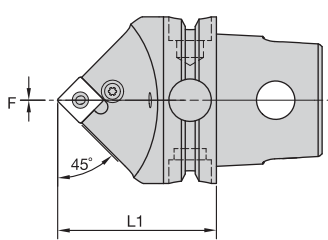
order number	catalog number	L1		F		D min	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm								
3741396	right hand KM50TSPDQNR11	50	1.969	35	1.378	63 2.480	DN..110408/DN..332	512.060	514.118	513.060	511.060	515.018	0,57	1.25
3741395	left hand KM50TSPDQNL11	50	1.969	35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


■ PDUN 93°


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


■ PDXN 93°


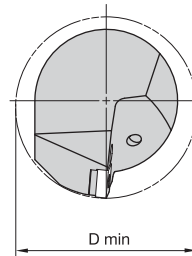
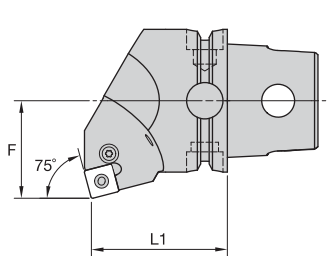
order number	catalog number	L1		LPR		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in	mm	in								
3741400	right hand KM50TSPDXNR15	50	1.969	75	2.953	52	2.047	104	4.095	DN..150608/DN..442	512.153	514.128	513.023	511.024	515.018	1,17	2.57
3741399	left hand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



■ PSDN 45°



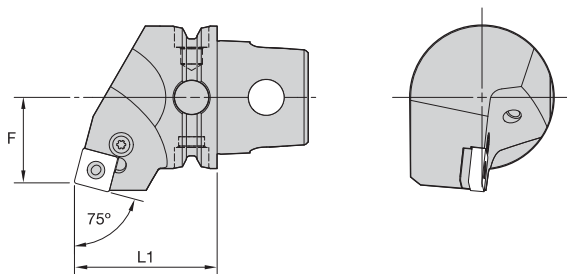
order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
3752980	KM50TSPSDNN12	50	1.969	0	.000	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,50	1.09
3752981	KM50TSPSDNN15	50	1.969	0	.000	SN..150612/SN..543	512.025	514.125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



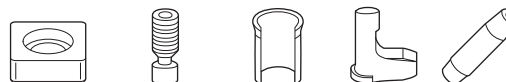
■ PSKN 75°



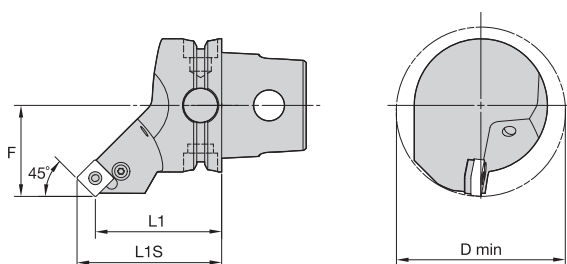
		L1		F		D min									
order number	catalog number	mm	in	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
right hand															
3753153	KM50TSPSKNR12	50	1.969	35	1.378	63	2.480	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,69	1.52
3753155	KM50TSPSKNR15	50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



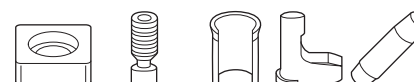
■ PSRN 75°



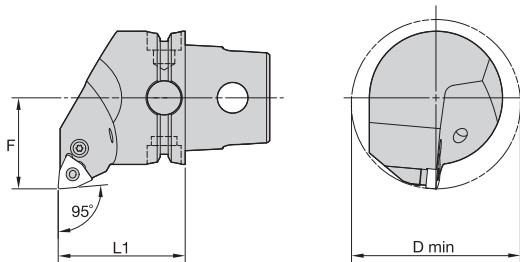
		L1		F									
order number	catalog number	mm	in	mm	in	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
right hand													
3752977	KM50TSPSRNR12	50	1.969	30	1.181	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,61	1.34
3752979	KM50TSPSRNR15	50	1.969	30	1.181	SN..150612/SN..543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



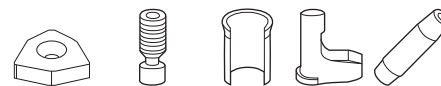
■ PSSN 45°



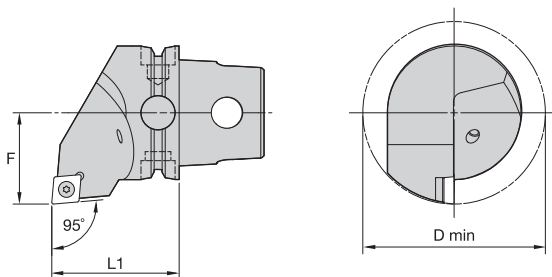
order number	catalog number	L1		L1S		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in	mm	in								
3753157	right hand KM50TSPSSNR12	50	1.969	58,3	2.30	35	1.38	80	3.150	SN..120408/SN..432	512.063	514.123	513.023	511.023	515.018	0,55	1.22
3753156	left hand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



■ PWLN 95°



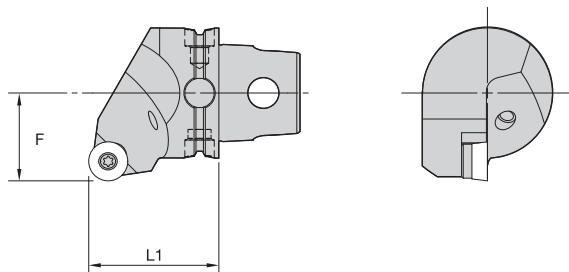
order number	catalog number	L1		F		D min		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm	in								
3753159	right hand KM50TSPWLN R08	50	1.969	35	1.378	63	2.480	WN..080408/WN..432	512.135	514.123	513.023	511.023	515.018	0,67	1.48
3753158	left hand KM50TSPWLN L08	50	1.969	35	1.378	63	2.480	WN..080408/WN..432	512.135	514.123	513.023	511.023	515.018	0,67	1.48



■ SCLC 95°



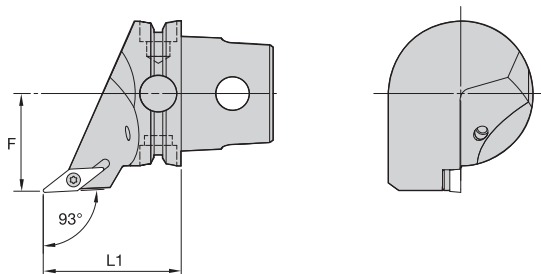
order number	catalog number	L1		F		D min		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in	mm	in						
3746594	right hand KM50TSSCLCR12	50	1.969	35	1.378	70	2.756	CC..120408/CC..432	MS1158	SKCP453	SRS4	0,64	1.40
3746593	left hand KM50TSSCLCL12	50	1.969	35	1.378	70	2.756	CC..120408/CC..432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



■ SRGC 0°



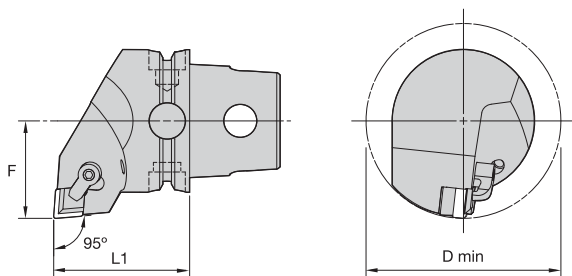
order number	catalog number	L1		F		gage insert	insert screw	shim	shim screw	kg lbs	
		mm	in	mm	in						
	right hand										
3746595	KM50TSSRGCR12	50	1.969	35	1.378	RC..1204M0	MS1156	SKRN1203M0	SRS3	0,65	1.43
	left hand										
3838582	KM50TSSRGCL12	50	1.969	35	1.378	RC..1204M0	MS1156	SKRN1203M0	SRS3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



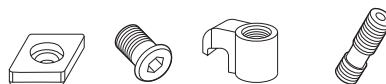
■ SVJB 93°



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

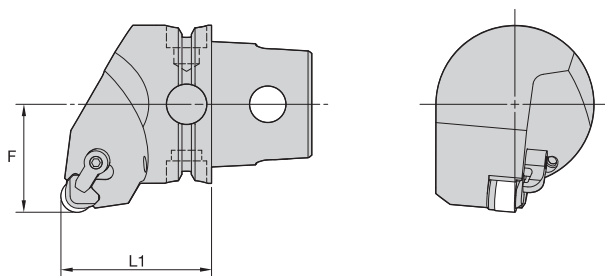


■ CCLN 95°

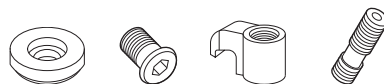


order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
3746732	right hand KM50TSCCLNR12	50	1.969	35	1.378	70	2.756	CN..120408/CN.432	ICSN442	KMS4	CKM20	STCM11	0,70	1.55
3746726	left hand KM50TSCCLNL12	50	1.969	35	1.378	70	2.756	CN..120408/CN.432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

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

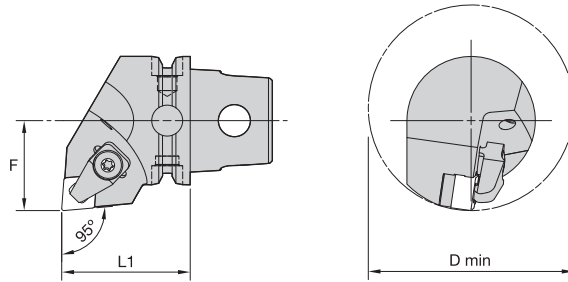
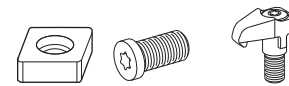


■ CRGN 0°

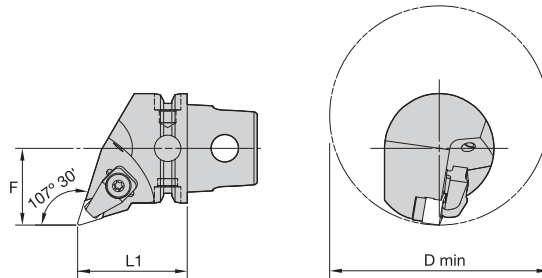
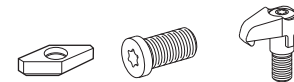


order number	catalog number	L1		F		gage insert	shim	shim screw	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3746739	right hand KM50TSCRGNR12	50	1.969	35	1.378	RN..120700/RN.45	IRSN42	KMS4	CKM23	STCM11	0,67	1.47
3746735	left hand KM50TSCRGNL12	50	1.969	35	1.378	RN..120700/RN.45	IRSN42	KMS4	CKM23	STCM11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

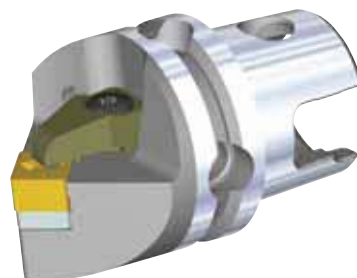
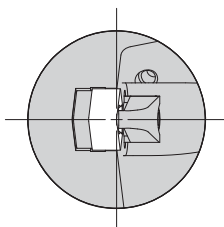
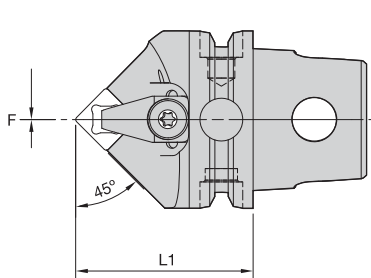
NOTE: Chipbreakers must be ordered separately. Chipbreaker catalog number is CBR-16.


■ CCLN • MX 95°


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


■ CDQN • MX 107° 30'


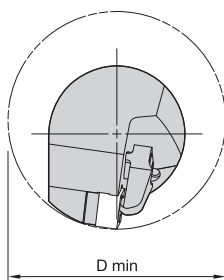
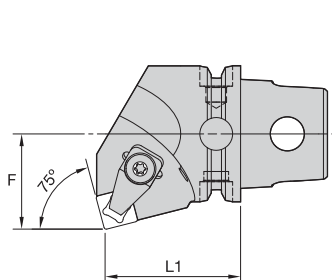
order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp screw	kg	lbs
		mm	in	mm	in	mm	in						
3746978	right hand KM50TSCDQNR12MX7	50	1.969	35	1.378	100	3.937	DNGX120708	552.225	554.254	551.326	0,60	1.31
3746975	left hand KM50TSCDQNL12MX7	50	1.969	35	1.378	100	3.937	DNGX120708	552.225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



■ CSDN • MX 45°



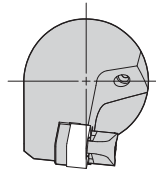
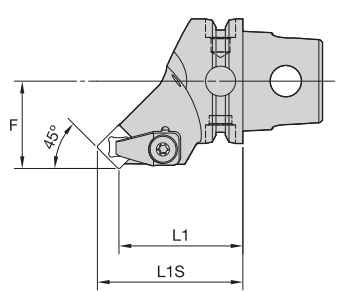
order number	catalog number	L1		F		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in						
3746980	KM50TSCSDNN12MX7	50	1.969	0	.000	SN.X120708/SN.X452	552.232	554.260	551.326	0,52	1.15



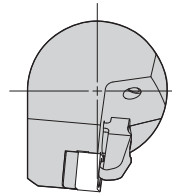
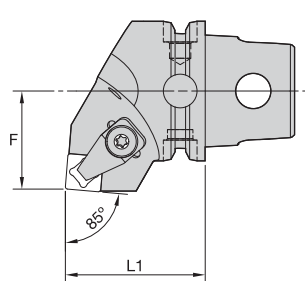
■ CSKN • MX 75°



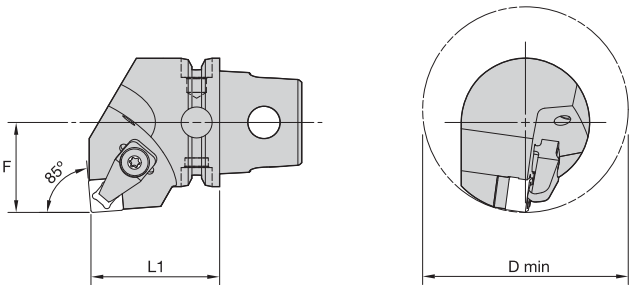
order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in	mm	in						
3746986	KM50TSCSKNR12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232	554.260	551.326	0,74	1.62
3746984	KM50TSCSKNL12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232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


■ CSSN • MX 45°

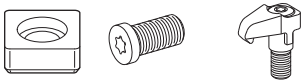

order number	catalog number	L1		L1S		F		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in	mm	in						
3746992	KM50TSCSSNR12MX7	50	1.969	58	2.297	35	1.378	SN.X120708/SN.X452	552.232	554.252	551.326	0,60	1.32
	right hand												
3746989	KM50TSCSSNL12MX7	50	1.969	58	2.297	35	1.378	SN.X120708/SN.X452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


■ CSXN • MX 85°

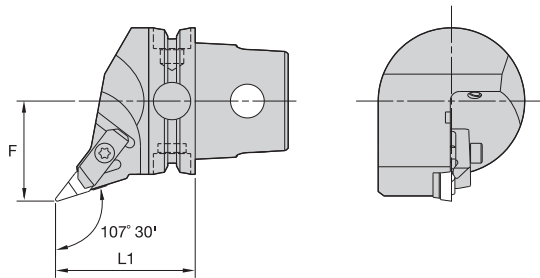

order number	catalog number	L1		F		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in						
3746998	KM50TSCSXNR12MX7	50	1.969	35	1.378	SN.X120708/SN.X452	552.232	554.260	551.326	0,67	1.48
	right hand										
3746996	KM50TSCSXNL12MX7	50	1.969	35	1.378	SN.X120708/SN.X452	552.232	554.260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



■ CSYN • MX 85°

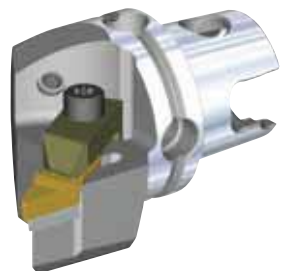
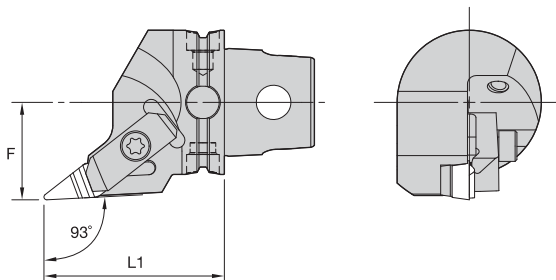
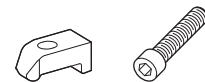


order number	catalog number	L1		F		D min		gage insert	shim	shim screw	clamp assembly	kg	lbs
		mm	in	mm	in	mm	in						
3747004	right hand	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452	552.232	554.260	551.326	0,73	1.60
	left hand												
3747001	KM50TSCSYNL12MX7	50	1.969	35	1.378	80	3.150	SN.X120708/SN.X452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



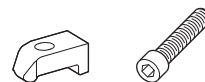
■ NVHC 107.5° • Metric CU

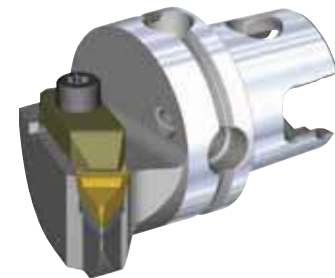
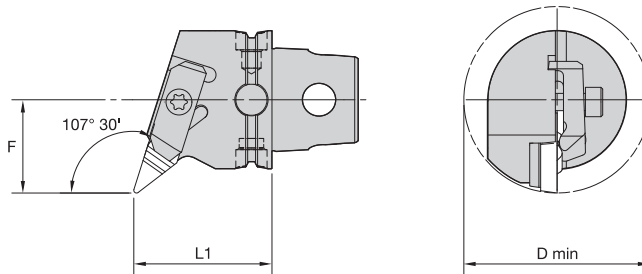
order number	catalog number	L1		F		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in					
	right hand									
3747065	KM50TSNVHCR16	50	1.969	35	1.378	VCGR160408/VPGR332	CM113	MS1489	0,54	1.20
	left hand									
3747064	KM50TSNVHCL16	50	1.969	35	1.378	VCGR160408/VPGR332	CM114	MS1489	0,54	1.20



■ NVJC 93° • Metric CU

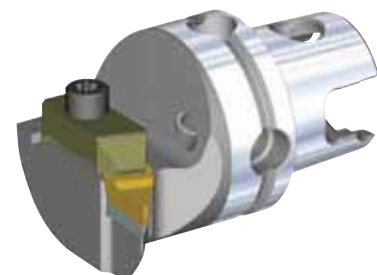
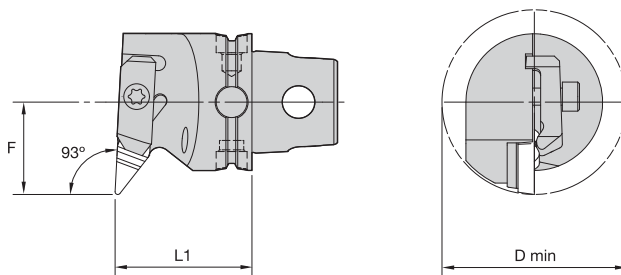
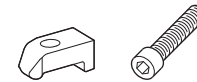
order number	catalog number	L1		F		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in					
	right hand									
3747067	KM50TSNVJCR16	60	2.362	35	1.378	VCGR160408/VPGR332	CM113	MS1489	0,59	1.30
	left hand									
3747066	KM50TSNVJCL16	60	2.362	35	1.378	VCGR160408/VPGR332	CM114	MS1489	0,59	1.30





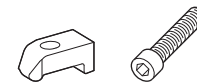
■ NVQC 107.5° • Metric CU

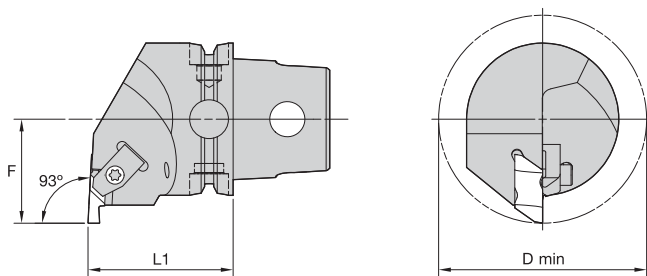
order number	catalog number	L1		F		D min		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in					
3747069	right hand KM50TSNVQCR16	50	1.969	35	1.378	70	2.756	VCGR160408/VPGR332	CM113	MS1489	0,56	1.22
3747068	left hand KM50TSNVQCL16	50	1.969	35	1.378	70	2.756	VCGR160408/VPGR332	CM114	MS1489	0,56	1.22



■ NVUC 93° • Metric CU

order number	catalog number	L1		F		D min		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in					
3747071	right hand KM50TSNVUCR16	50	1.969	35	1.378	70	2.756	VCGR160408/VPGR332	CM113	MS1489	0,61	1.35
3747070	left hand KM50TSNVUCL16	50	1.969	35	1.378	70	2.756	VCGR160408/VPGR332	CM114	MS1489	0,61	1.35

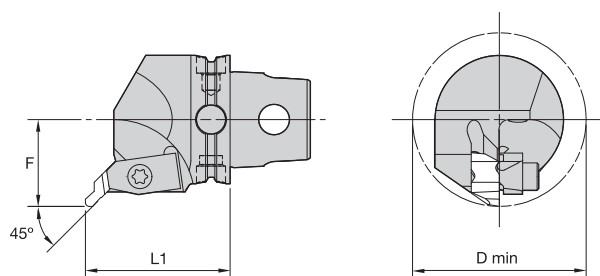




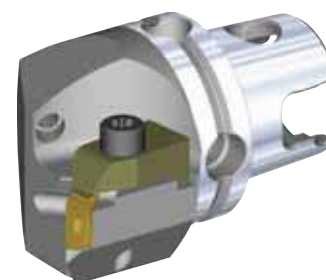
■ NE 93°



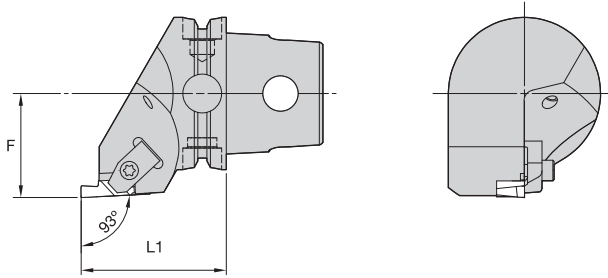
order number	catalog number	L1		F		D min		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in					
	right hand											
3753584	KM50TSNER3	50	1.969	35	1.378	70	2.756	NG3L	CM73	MS1489	0,63	1.39
3753585	KM50TSNER4	50	1.969	35	1.378	70	2.756	NG4L	CM73	MS1489	0,63	1.39
	left hand											
3753572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



■ NR 45°

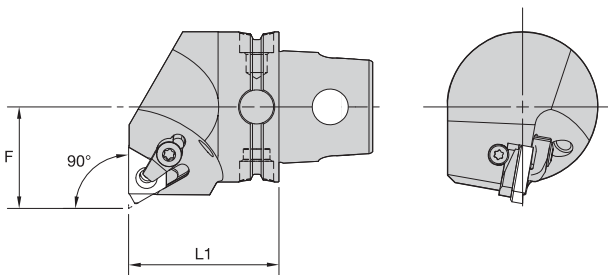


order number	catalog number	L1		F		D min		gage insert	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in					
	right hand											
3753587	KM50TSNRR3	50	1.969	35	1.378	70	2.756	NU3L	CM73	MS1489	0,57	1.26
	left hand											
3753586	KM50TSNRL3	50	1.969	35	1.378	70	2.756	NU3R	CM72	MS1489	0,57	1.26



■ NS 93°

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

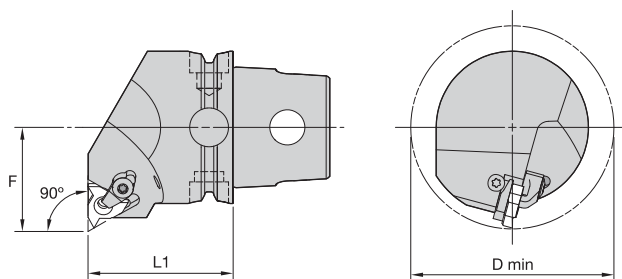


■ LSE-E 90° • External Only



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

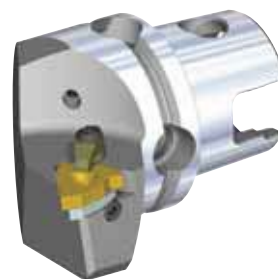
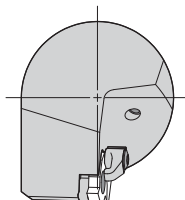
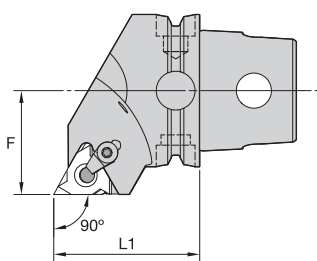
NOTE: Cutting units are supplied with insert screw and clamp assembly. However, tools are designed to use either the insert screw or the clamp assembly, not both.



■ LSE-N 90° • Internal Only

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

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

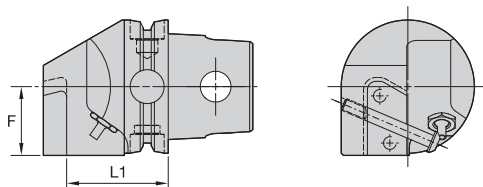


■ LSS 90°



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

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

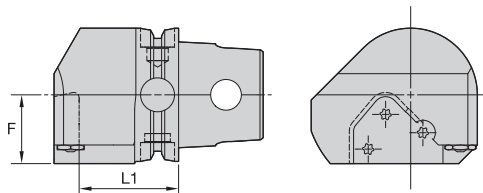


■ KGME • End Mount

order number	catalog number	L1		F		cartridge size	blade screw	clamp screw	nozzle	kg
		mm	in	mm	in					
3747133	right hand	38	1.496	25,5	1.004	50	MS1162	MS2002	PMP08350	0,75
	KM50TSKGMER50									
3747132	left hand	38	1.496	25,5	1.004	50	MS1162	MS2002	PMP08350	0,75
	KM50TSKGMEL50									

NOTE: Right-hand cutting units use left-hand blades.

For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.

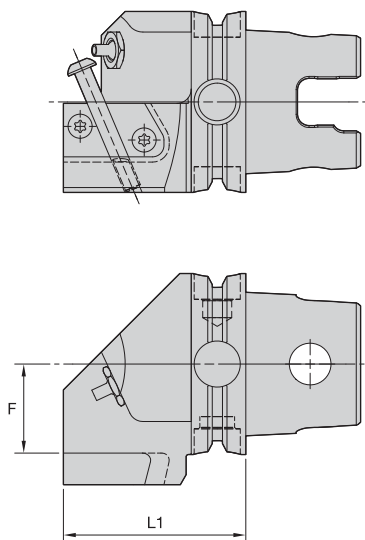


■ KGME • End Mount

order number	catalog number	L1		F		cartridge size	blade screw	nozzle	kg
		mm	in	mm	in				
3747136	right hand	47	1.850	25,5	1.004	65	MS1163	PMT04525	1,31
	KM50TSKGMER65								
3747137	left hand	47	1.850	25,5	1.004	65	MS1163	PMT04525	1,31
	KM50TSKGMEL65								

NOTE: Right-hand cutting units use left-hand blades.

For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.



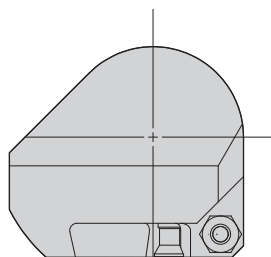
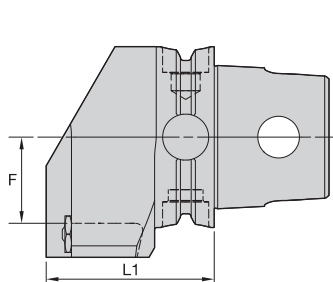
■ KGMS • Side Mount



order number	catalog number	L1		F		cartridge size	blade screw	clamp screw	nozzle	kg
	right hand									
3747129	KM50TSKGMSR50	58,5	2.303	23,0	.906	50	MS1162	MS2002	PMT04526 COOLANT NOZZLE SPRAY	0,91
	left hand									
3747130	KM50TSKGMSL50	58,5	2.303	23,0	.906	50	MS1162	MS2002	PMT04526 COOLANT NOZZLE SPRAY	0,94

NOTE: Right-hand cutting units use right-hand blades.

For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.



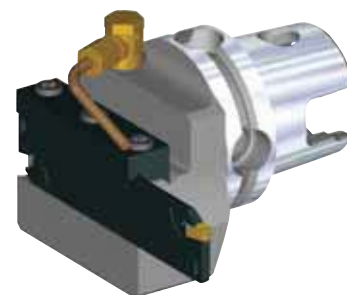
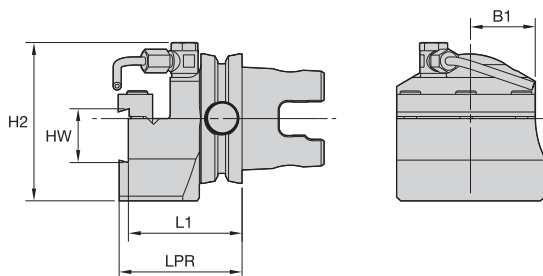
■ KGMS • Side Mount



order number	catalog number	L1		F		cartridge size	blade screw	nozzle	kg
	right hand								
3747134	KM50TSKGMSR65	53,5	2.106	22,0	.866	65	MS1163	PMT04525	1,19
	left hand								
3747135	KM50TSKGMSL65	53,5	2.106	22,0	.866	65	MS1163	PMT04525	1,19

NOTE: Right-hand cutting units use right-hand blades.

For A3/A4 modular blades, see the Kennametal Innovations Master Catalog Cutting Tools 2013.



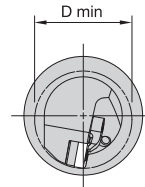
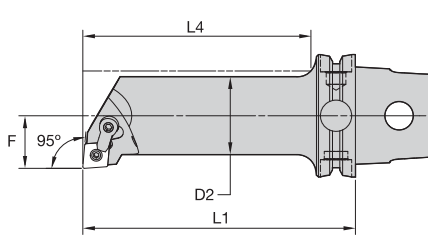
■ BE • End Mount

order number	catalog number	L1		LPR		H2		HW		B1		cartridge size	cartridge	kg
		mm	in	mm	in	mm	in	mm	in	mm	in			
3747118	right hand KM50TSBER	55,3	2.177	59,8	2.354	65,5	2.579	26	1.02	30	1.18	26	A2BN..26...	1,27
3747117	left hand KM50TSBEL	55,3	2.177	59,8	2.354	65,5	2.579	26	1.02	30	1.18	26	A2BN..26...	1,27

■ BE • Spare Parts

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

NOTE: Blade sets are ordered separately; see the Kennametal Innovations Master Catalog Cutting Tools 2013.



■ MCLN 95°

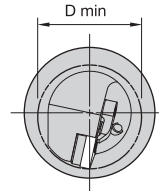
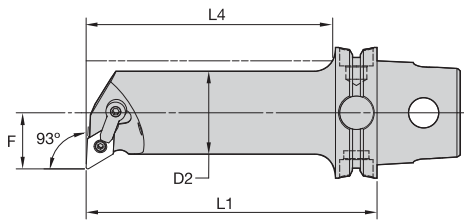
		D2		D min		F		L4		L1				
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs
right hand														
3753688	KM50TSS25DMCLNR12	25	.98	32	1.26	17	.669	38	1.51	60	2.362	CN..120408/CN..432	0,48	1.06
3753690	KM50TSS25EMCLNR12	25	.98	32	1.26	17	.669	49	1.94	70	2.756	CN..120408/CN..432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

(continued)

(MCLN 95° continued)

Spare Parts

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



■ MDUN 93°

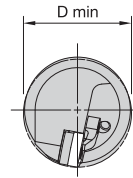
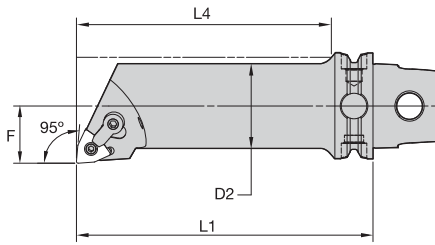
		D2		D min		F		L4		L1				
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs
right hand														
3753598	KM50TSS25DMDUNR15	25	.98	32	1.26	17	.669	38	1.51	60	2.362	DN..150408/DN..432	0,47	1.03
3753601	KM50TSS25JMDUNR15	25	.98	32	1.26	17	.669	87	3.43	110	4.331	DN..150408/DN..432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

(continued)

(MDUN 93° continued)

■ Spare Parts

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

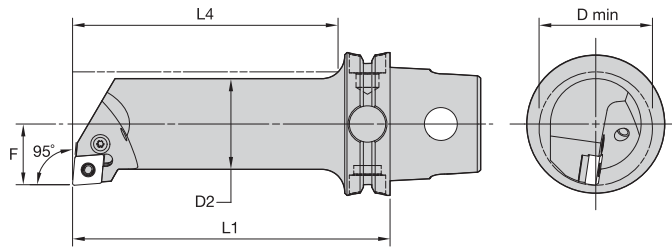


■ MWLN 95°

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														
3747121	KM50TSS25JMWLNR08	25	.98	32	1.26	17	.669	87	3.43	110	4.331	WN..080408/WN..432	0,67	1.48
3747123	KM50TSS32KMWLNR08	32	1.26	40	1.57	22	.866	96	3.79	125	4.921	WN..080408/WN..432	0,99	2.17
3747120	KM50TSS40LMWLNR08	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	WN..080408/WN..432	1,40	3.08
left hand														
3747122	KM50TSS25JMWLNL08	25	.98	32	1.26	17	.669	87	3.43	110	4.331	WN..080408/WN..432	0,67	1.47
3747119	KM50TSS40LMWLNL08	40	1.57	50	1.97	27	1.063	120	4.74	140	5.512	WN..080408/WN..432	1,40	3.08

■ Spare Parts

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

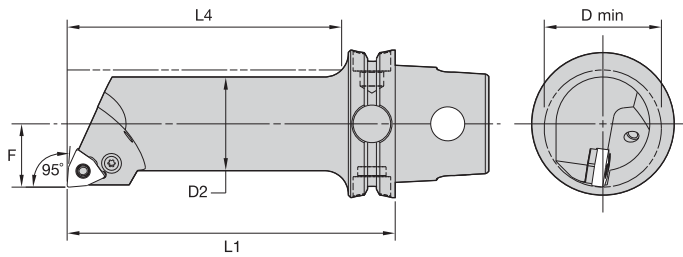


■ PCLN 95°

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

■ Spare Parts

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

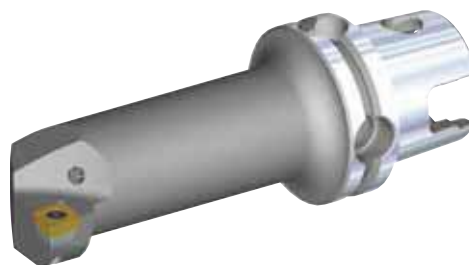
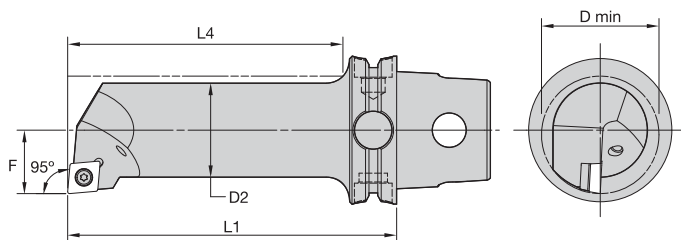


■ PWLN 95°

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

■ Spare Parts

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

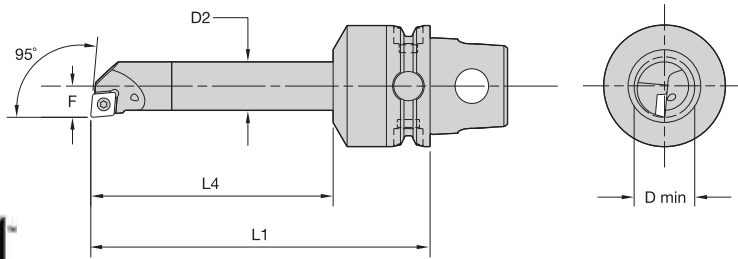


■ SCLC 95°

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

■ Spare Parts

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



■ SCLP 95° • Carbide

		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													
3789876	KM50TSE10FSCLPR06	10	.39	13	.51	7	.276	50	1.968	80	3.150	CP..060204/CP..2151	0,48	1.05
3789878	KM50TSE12GSCLPR06	12	.47	16	.63	9	.354	60	2.362	90	3.543	CP..060204/CP..2151	0,50	1.10
3789880	KM50TSE16JSCLPR09	16	.63	20	.79	11	.433	80	3.150	110	4.331	CP..09T308/CP..3252	0,57	1.26
3789882	KM50TSE20LSCLPR09	20	.79	25	.98	13	.512	100	3.937	140	5.512	CP..09T308/CP..3252	0,84	1.83
	left hand													
3789875	KM50TSE10FSCLPL06	10	.39	13	.51	7	.276	50	1.968	80	3.150	CP..060204/CP..2151	0,48	1.05
3789877	KM50TSE12GSCLPL06	12	.47	16	.63	9	.354	60	2.362	90	3.543	CP..060204/CP..2151	0,50	1.10
3789879	KM50TSE16JSCLPL09	16	.63	20	.79	11	.433	80	3.150	110	4.331	CP..09T308/CP..3252	0,57	1.26
3789881	KM50TSE20LSCLPL09	20	.79	25	.98	13	.512	100	3.937	140	5.512	CP..09T308/CP..3252	0,83	1.83

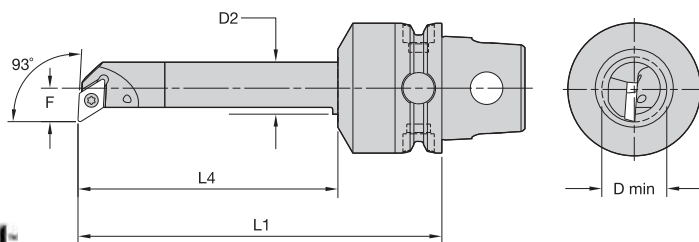
■ Spare Parts



catalog number	insert screw
right hand	
KM50TSE10FSCLPR06	MS1939
KM50TSE12GSCLPR06	MS1153
KM50TSE16JSCLPR09	MS1155
KM50TSE20LSCLPR09	MS1155
left hand	
KM50TSE10FSCLPL06	MS1939
KM50TSE12GSCLPL06	MS1153
KM50TSE16JSCLPL09	MS1155
KM50TSE20LSCLPL09	MS1155



KM50TS Internal Cutting Units



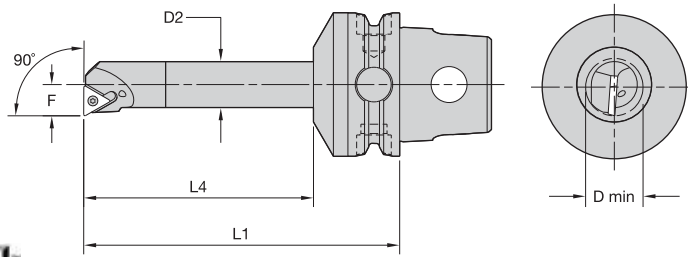
■ SDUP 93° • Carbide

order number	catalog number	D2		D min		F		L4		L1		gage insert	kg	lbs
	right hand													
3812594	KM50TSE16JSDUPR07	16	.63	20	.79	11	.433	80	3.150	110	4.331	DP..070204/DP..2151	0,57	1.26
3812596	KM50TSE20LSDUPR11	20	.79	25	.98	13	.512	100	3.937	140	5.512	DP..11T308/DP..3252	0,81	1.78
	left hand													
3812593	KM50TSE16JSDUPL07	16	.63	20	.79	11	.433	80	3.150	110	4.331	DP..070204/DP..2151	0,57	1.26
3812595	KM50TSE20LSDUPL11	20	.79	25	.98	13	.512	100	3.937	140	5.512	DP..11T308/DP..3252	0,81	1.78

■ Spare Parts



catalog number	insert screw
right hand	
KM50TSE16JSDUPR07	MS1153
KM50TSE20LSDUPR11	MS1153
left hand	
KM50TSE16JSDUPL07	MS1153
KM50TSE20LSDUPL11	MS1153



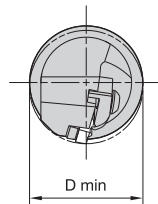
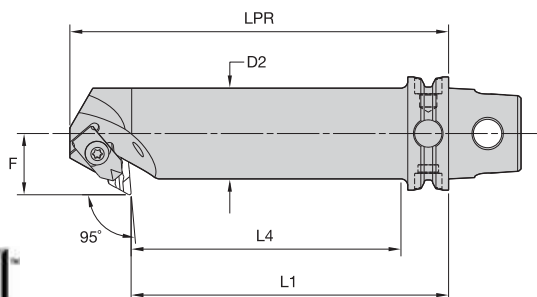
■ STFP 90° • Carbide

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													
3812597	KM50TSE12GSTFPR11	12	.47	16	.63	9	.354	60	2.362	90	3.543	TP..110204/TP..2151	0,50	1.10
3812599	KM50TSE16JSTFPR11	16	.63	20	.79	11	.433	80	3.150	110	4.331	TP..110204/TP..2151	0,57	1.26
	left hand													
3812598	KM50TSE12GSTFPL11	12	.47	16	.63	9	.354	60	2.362	90	3.543	TP..110204/TP..2151	0,50	1.10
3812600	KM50TSE16JSTFPL11	16	.63	20	.79	11	.433	80	3.150	110	4.331	TP..110204/TP..2151	0,57	1.26

■ Spare Parts



catalog number	insert screw
right hand	
KM50TSE12GSTFPR11	MS1153
KM50TSE16JSTFPR11	MS1153
left hand	
KM50TSE12GSTFPL11	MS1153
KM50TSE16JSTFPL11	MS1153

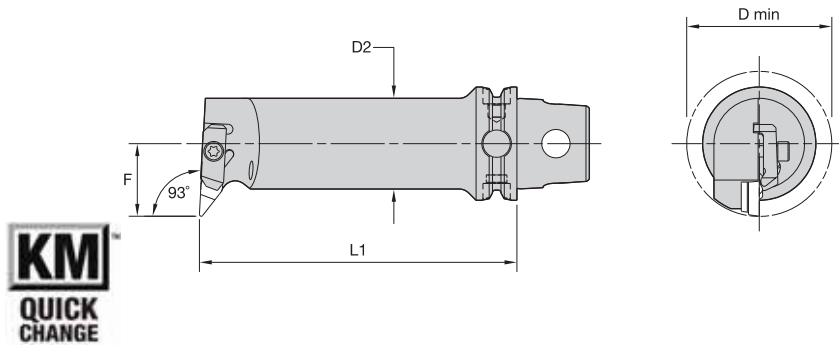


■ NKXN 95°

order number	catalog number	D2		D min		F		L4		L1		LPR		gage insert	kg	lbs
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in			
	right hand															
3964156	KM50TSS40LNKXNR15	40	1.57	50	1.97	27	1.063	120	4.724	140	5.512	167	7	KNGX150408R20/NPR132F	1,67	3.69
	left hand															
3964155	KM50TSS40LNKXNL15	40	1.57	50	1.97	27	1.063	120	4.724	140	5.512	167	7	KNGX150408L20/NPL132F	1,67	3.69

■ Spare Parts

catalog number	shim	shim screw	clamp	clamp screw
right hand				
KM50TSS40LNKXNR15	SM872	MS111	CM66	MS1221
left hand				
KM50TSS40LNKXNL15	SM871	MS111	CM66	MS1221



■ NVUC 93°

order number	catalog number	D2		D min		F		L1		gage insert	kg	lbs
		mm	in	mm	in	mm	in	mm	in			
	right hand											
3964160	KM50TSS40LNVUCR16	40	1.57	64	2.52	32	1.260	140	5.512	VCGR160408/VPGR332	1,41	3.12
	left hand											
3964159	KM50TSS40LNVUCL16	40	1.57	64	2.52	32	1.260	140	5.512	VCGR160408/VPGR332	1,41	3.12

■ Spare Parts

catalog number	shim	shim screw	clamp	clamp screw
right hand				
KM50TSS40LNVUCR16	SM812	MS959	CM113	MS1489
left hand				
KM50TSS40LNVUCL16	SM812	MS959	CM114	MS1489



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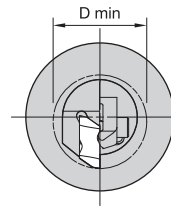
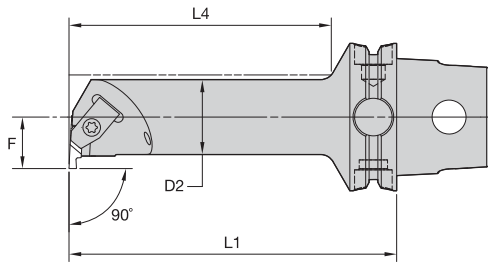
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■ NE 90° • Steel

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

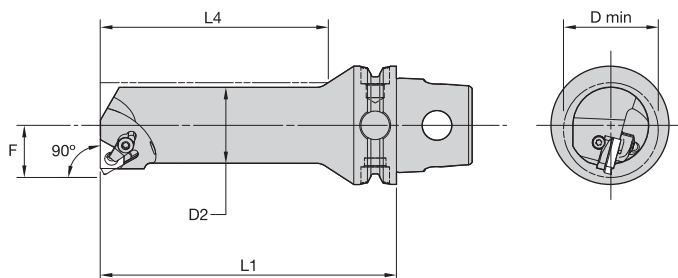
(continued)

(NE 90° • Steel continued)

Spare Parts

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

KM50TS Internal Cutting Units



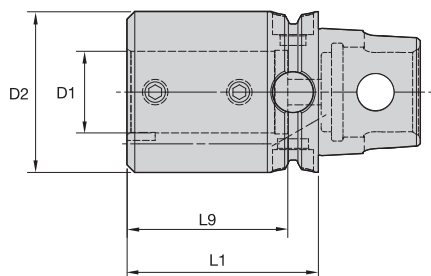
■ LSE 90°

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

■ Spare Parts

catalog number				
	insert screw	shim	shim screw	clamp assembly
right hand				
KM50TSS20HLSER16	SSA3T	SMY13	SSY3T	CKC3
KM50TSS25JLSER16	SSA3T	SMY13	SSY3T	CKC3
KM50TSS32KLSER16	SSA3T	SMY13	SSY3T	CKC3
KM50TSS40LLSER16	SSA3T	SMY13	SSY3T	CKC3
KM50TSS40LLSER22	SSA4T	SMY14	SSY4T	CKC4
left hand				
KM50TSS20HLSSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS25JLSSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS32KLSSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS40LLSEL16	SSA3T	SMYE3	SSY3T	CKC3
KM50TSS40LLSEL22	SSA4T	SMYE4	SSY4T	CKC4

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



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



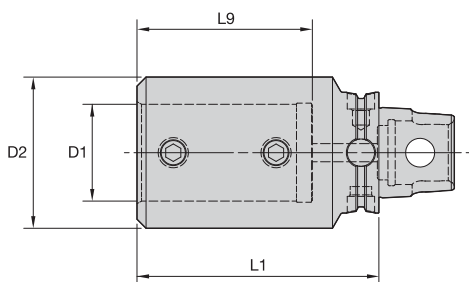
order number	catalog number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	Nm	kg
3790547	KM50TSBA06045M	6	40	45	36	MS1210	2,5mm	4	0,59
3790548	KM50TSBA08045M	8	40	45	36	MS1210	2,5mm	4	0,58
3790549	KM50TSBA10055M	10	40	55	48	MS1211	4mm	15	0,67
3790550	KM50TSBA12060M	12	40	60	52	MS1211	4mm	15	0,70
3790551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

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



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

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



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



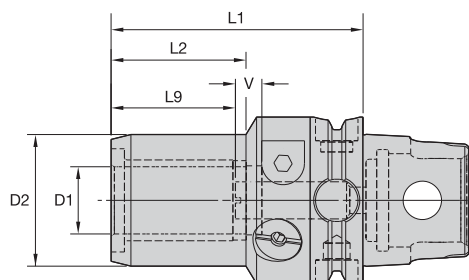
order number	catalog number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	Nm	kg
3790289	KM50TSBAI32080M	32	50	80	58	MS1213	5mm	25	0,91
3790290	KM50TSBAI40090M	40	58	90	68	MS1213	5mm	25	1,13

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



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

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

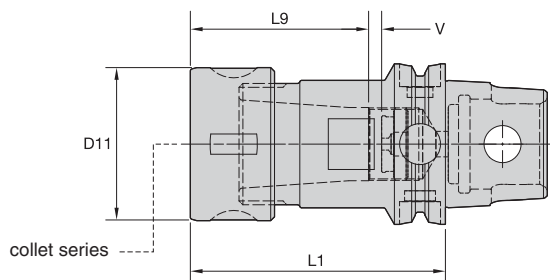


■ HC • Metric

order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size stop screw	kg
4007723	KM50TSHC06065M	6	26	65	30	27	10	170.135	5 mm	170.002	2.5 mm	0,63
4007724	KM50TSHC08065M	8	28	65	30	27	10	170.135	5 mm	170.002	2.5 mm	0,65
4007725	KM50TSHC10070M	10	30	70	36	31	10	170.135	5 mm	170.002	2.5 mm	0,69
4007726	KM50TSHC12075M	12	32	75	40	36	10	170.135	5 mm	170.002	2.5 mm	0,73
4007727	KM50TSHC14075M	14	34	75	43	36	10	170.135	5 mm	170.003	3 mm	0,72
4007728	KM50TSHC16080M	16	38	80	47	39	10	170.135	5 mm	170.003	3 mm	0,83
4007729	KM50TSHC18080M	18	40	80	47	39	10	170.135	5 mm	170.003	3 mm	0,85
4007730	KM50TSHC20085M	20	42	85	48	71	10	170.135	5 mm	170.003	3 mm	0,94

NOTE: Do not overtorque clamp screw; tighten by hand until stop is felt.
 Hydraulic chuck technical section, see page M84.
 Reduction sleeves are available and must be ordered separately; see page J2.
 Wrenches 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

■ Collet Chuck • Round Nut

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

■ Spare Parts



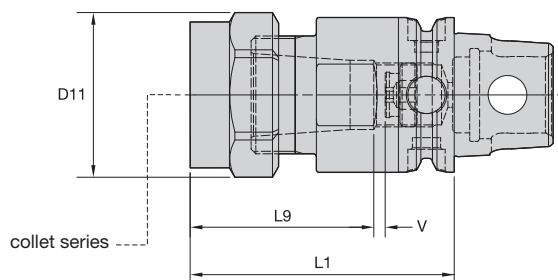
catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw
KM50TSTG075080M	LNA075M	HSW45M	108-136	80-100	SS081041G	4mm & 5/32
KM50TSTG100110M	LNA100M	HSW58M	163-203	120-150	SS112041G	4mm & 5/32

(continued)

(Collet Chuck continued)



KM50TS Shank Tools



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

■ Collet Chuck • Hex Nut

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

■ Spare Parts



catalog number	locknut	wrench	Nm	ft. lbs.	stop screw	wrench size stop screw
KM50TSTG075336	NPA075	OE188	108-136	80-100	SS081041G	4mm & 5/32
KM50TSTG100457	NPA100	OE225	163-203	120-150	SS112041G	4mm & 5/32

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

Collet chuck technical section, see page 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 pages L16–L17.

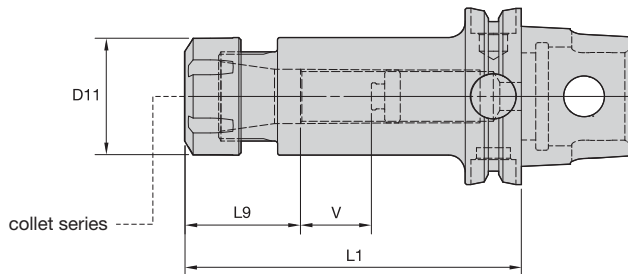
Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.

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).



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

■ Collet Chuck • Round Nut



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

NOTE: Collet must be loaded into locknut first. Before loading into the chuck body, insert the cutting tool, then tighten to the recommended tightening torque.
Collet chuck technical section, see page 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 L19.
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.



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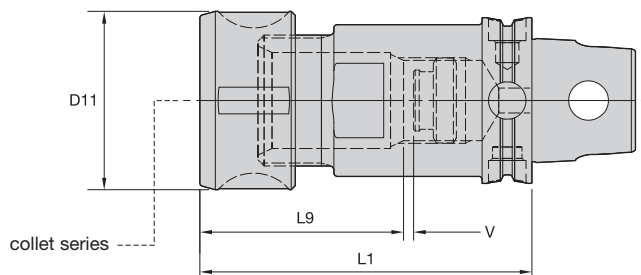
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- Grip 1:1.



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

■ Collet Chuck • Round Nut

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

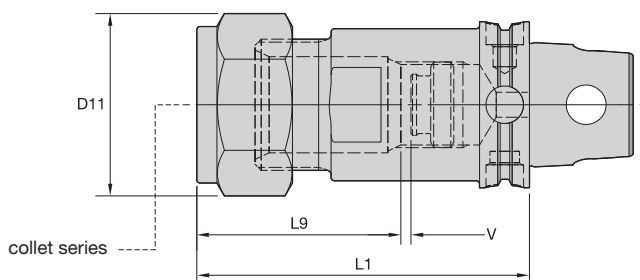
■ Spare Parts



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

(continued)

(Collet Chuck continued)



KM50TS Shank Tools

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

Collet Chuck • Hex Nut

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

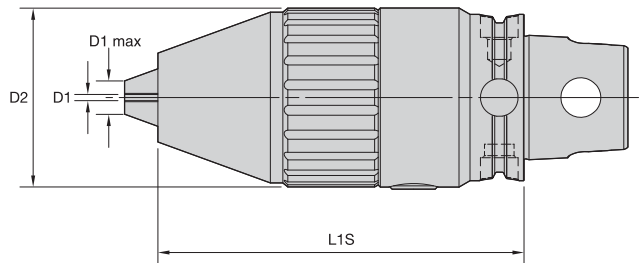
Spare Parts



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

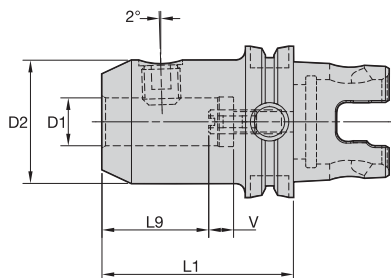
NOTE: Tighten locknut to the recommended tightening torque.
 Collet chuck technical section, see page M98.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.
 Stop screw coolant caps are available and must be ordered separately; see pages L34–L35.
 DA standard straight-bore collets, see page J62.
 DA non-pullout collets, see pages J65–J68.

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



■ RDC • Drill Chuck

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

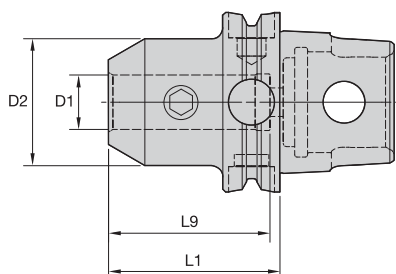


■ WN • Whistle Notch Adapter



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

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



■ EM • Metric



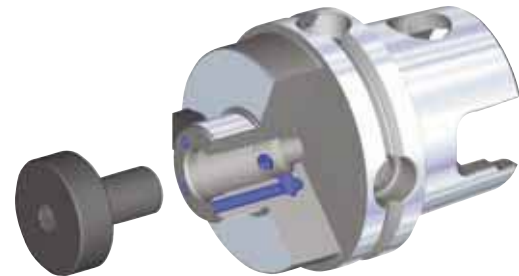
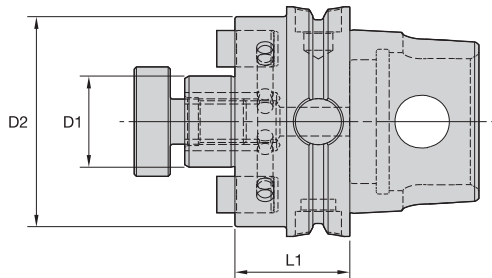
order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
3812617	KM50TSEM10050M	10	35	50	45	SS03M018	5mm	25	0,53
3812618	KM50TSEM12055M	12	42	55	50	SS03M023	6mm	35	0,65
3812619	KM50TSEM16060M	16	48	60	53	SS03M025	6mm	50	0,79
3812620	KM50TSEM20060M	20	52	60	55	SS03M026	8mm	95	0,84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

■ EM • Inch



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

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



■ SMC • Metric

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

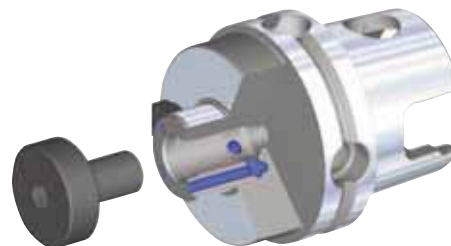
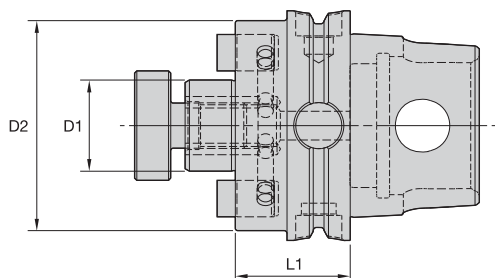


■ SMC/SM2C-KM • Inch

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



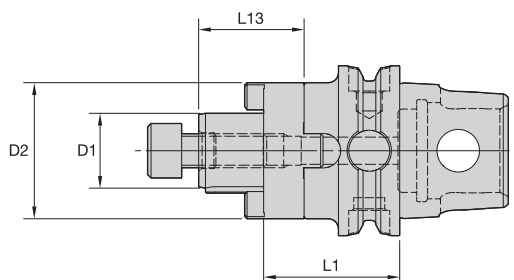
NOTE: Do not overtighten lock screw.
Supplied with lock screw and drive keys.
Interchangeable coolant-style lock screws are available and must be ordered separately; see page L38.
Lock screw wrench not included.



■ SM2C • Inch

order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	lbs.
3950838	KM50TSSM2C075102	3/4	1.46	1.024	KLS07	—	1/4	1.02
3950840	KM50TSSM2C100126	1	2.19	1.260	KLS10	KDK06	5/16	1.53

NOTE: Do not overtighten lock screw.
Supplied with lock screw and drive keys.
Lock screw wrench not included.

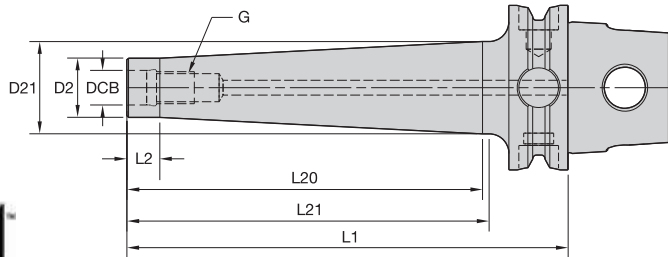


■ CS • Metric

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

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

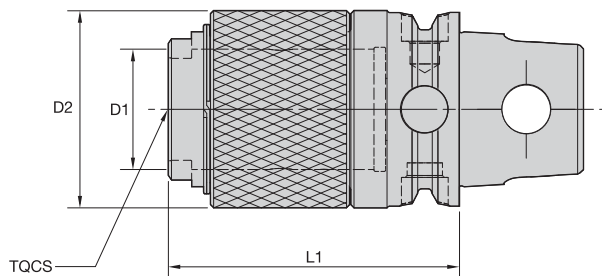




■ STC

order number	catalog number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4137801	KM50TSSTC06059M	6,5	M6	10	11	59	10	35	35	0,36
4137802	KM50TSSTC06084M	6,5	M6	10	12	84	10	60	60	0,37
4137823	KM50TSSTC06109M	6,5	M6	10	14	109	10	85	85	0,40
4137824	KM50TSSTC08059M	8,5	M8	13	15	59	10	33	35	0,37
4137825	KM50TSSTC08084M	8,5	M8	13	18	84	10	58	60	0,42
4137826	KM50TSSTC08109M	8,5	M8	13	23	109	10	83	85	0,51
4137827	KM50TSSTC08134M	8,5	M8	13	23	134	10	108	110	0,56
4137828	KM50TSSTC10059M	10,5	M10	18	20	59	10	33	35	0,41
4137829	KM50TSSTC10084M	10,5	M10	18	25	84	10	58	60	0,51
4137830	KM50TSSTC10109M	10,5	M10	18	25	109	10	83	85	0,57
4137831	KM50TSSTC10134M	10,5	M10	18	28	134	10	108	110	0,61
4137832	KM50TSSTC12059M	12,5	M12	21	24	59	10	33	35	0,44
4137833	KM50TSSTC12084M	12,5	M12	21	24	84	10	58	60	0,51
4137834	KM50TSSTC12109M	12,5	M12	21	28	109	10	83	85	0,64
4137835	KM50TSSTC12134M	12,5	M12	21	31	134	10	108	110	0,79

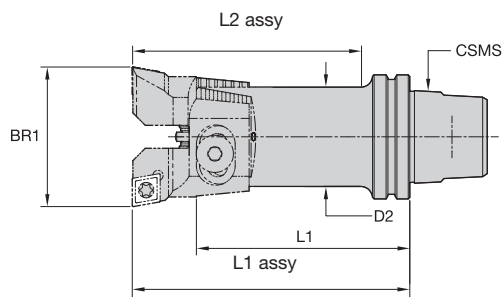
NOTE: For technical information, see page M96–97.



■ ST • Solid Tap Chuck

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

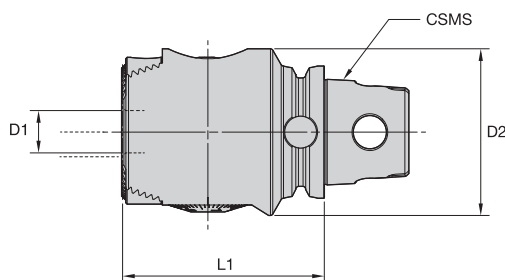
NOTE: Quick-change tap adapters available and must be ordered separately; see page J76.



■ **RBHT • KM™ Rough-Boring Twin Cutters**

order number	catalog number	BR1 bore range		CSMS system size	D2		L1		L1 assy		L2 assy		blade screw	washer	pin
		mm	in		mm	in	mm	in	mm	in	mm	in			
3586522	KM50RBHT50	49,500-66,500	1.9488-2.6181	KM50	42,0	1.6562	22,45	90,0	3,54	70,0	2,76		840.142.420	841.142.200	841.342.420
3586543	KM50RBHT66	65,500-87,500	2.5787-3.4449	KM50	55,0	2.1763	02,48	100,0	3,94	100,0	3,94		840.142.550	841.142.550	841.342.420
3586544	KM50RBHT87	86,500-115,500	3.4055-4.5472	KM50	72,0	2.8370	52,78	120,0	4,72	120,0	4,72		840.142.720	841.142.720	841.342.420

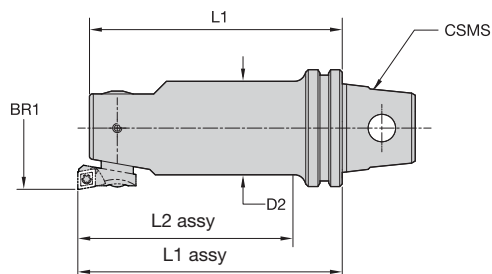
NOTE: Blade sets are ordered separately; see the Kennametal Innovations Master Catalog Cutting Tools 2013.



■ **FBHM**

order number	catalog number	BR1 bore range		CSMS system size	D1		D2		L1		ModBORE FBHS parts package		
		mm	in		mm	in	mm	in	mm	in		kg	lbs
4057060	KM50TSFBHM1677	9,750-164,000	.3838-6.4566	KM50TS	16,0	.63	63,0	2.48	76,6	3.02	PKG-8001	1,5	3.31





■ FBHS • KM™ Fine-Boring Single Cutters

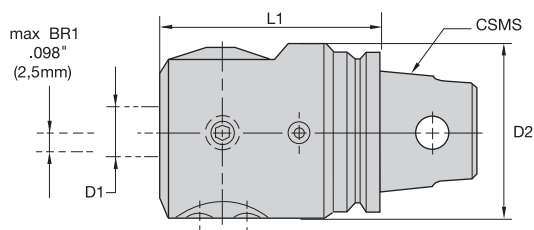
order number	catalog number	BR1 bore range		CSMS system size	D2		L1		L1 assy		L2 assy		cartridge mounting screw	lock screw
		mm	in		mm	in	mm	in	mm	in	mm	in		
3586575	KM50FBHS51	50,900-81,100	2.0039-3.1929	KM50	42,01.65	86,0	3.39	90,0	3.54	70,0	2.76		880.252.420	881.252.420
3586576	KM50FBHS67	66,900-105,100	2.6339-4.1378	KM50	55,02.17	96,0	3.78	100,0	3.94	100,0	3.94		880.252.550	881.252.550
3586577	KM50FBHS87	86,900-154,100	3.4213-6.0669	KM50	72,02.84	116,0	4.57	120,0	4.72	120,0	4.72		880.252.550	881.252.720

NOTE: Boring heads are ordered separately; see the Kennametal Innovations Master Catalog Cutting Tools 2013.

■ Reference Insert Cartridges

BR1		insert cartridges			
in	mm	90° lead		95° lead	
.9409 - 1.2244	23,900 - 31,100	R24FBHS06	—	R24FBHS06LF	—
1.1772 - 1.4606	29,900 - 37,100	R30FBHS06	—	—	—
1.2165 - 1.5787	30,900 - 40,100	R31FBHS06	—	R31FBHS06LF	—
1.4921 - 1.8543	37,900 - 47,100	F38FBHS06	—	—	—
1.5709 - 2.0118	39,900 - 51,100	R40FBHS06	—	R40FBHS06LF	—
1.8858 - 2.3268	47,900 - 59,100	R48FBHS06	—	—	—
2.0039 - 2.6417	50,900 - 67,100	R51FBHS06	—	R51FBHS06LF	—
2.5551 - 3.1929	64,900 - 81,100	R65FBHS06	—	—	—
2.6339 - 3.4291	66,900 - 87,100	R67FBHS06	R67FBHS09	—	R67FBHS09LF
3.3425 - 4.1378	84,900 - 105,100	R85FBHS06	R85FBHS09	—	—
3.4213 - 4.5709	86,900 - 116,100	R67FBHS06	R67FBHS09	—	R67FBHS09LF
4.1299 - 5.2795	104,900 - 134,100	R85FBHS06	R85FBHS09	—	—
4.5630 - 6.0669	115,900 - 154,100	R67FBHS06	R67FBHS09	—	R67FBHS09LF
5.2717 - 6.7362	133,900 - 171,100	R85FBHS06	R85FBHS09	—	—
6.0591 - 7.5236	153,900 - 191,100		R125FBHS09	—	—

- 0,01mm (.0004") diameter adjustment.
- Boring bar not included.

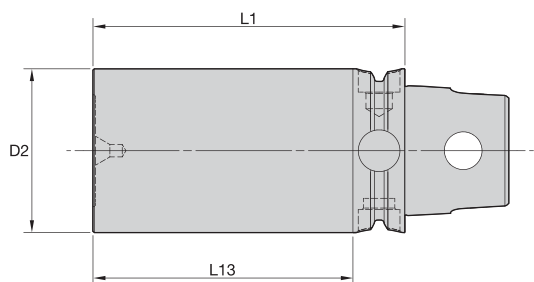


This tool is not KM50TS style according to ISO26622.

■ FBHO • KM™ Offset Boring Head

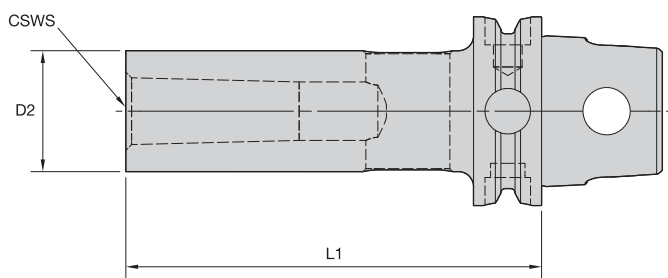


order number	catalog number	CSMS system size	D1		D2		L1		ModBORE FBHO parts package
			mm	in	mm	in	mm	in	
1132036	KM50FBHO1670	KM50	16	.63	55,0	2.17	70,0	2.76	PKG7001



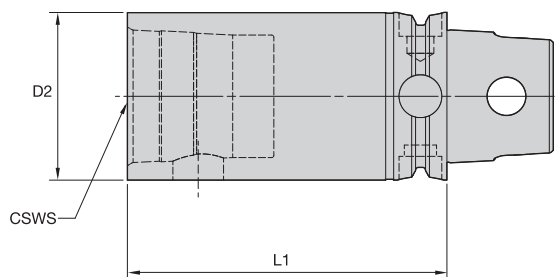
■ GB • Gage Bar

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



■ MT • Morse Taper Adapter

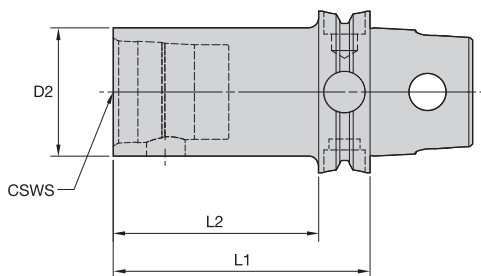
order number	catalog number	CSWS system size	D2		L1		kg	lbs
			mm	in	mm	in		
3862043	KM50TSM1095M	1	25	.984	95	3.740	0,57	1.26
3862044	KM50TSM2110M	2	32	1.260	110	4.331	0,77	1.70
3862045	KM50TSM3130M	3	40	1.575	130	5.118	1,12	2.47
3862046	KM50TSM4150M	4	48	1.890	150	5.906	1,54	3.40



■ S • KM Extension

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

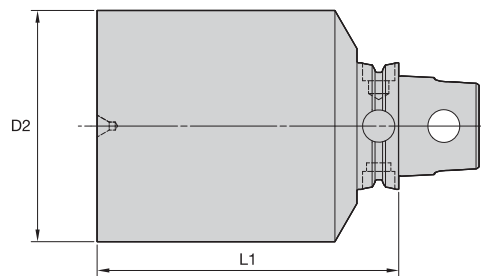




■ S • KM Reducer



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



■ BN • Blank



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

The image shows several components of the Romicron Boring System. On the left is a small, silver-colored tool holder. In the center is a larger, white, cylindrical tool holder with a black top. To the right is a silver-colored tool holder with a black top and a black handle. Below these are several smaller, silver-colored tool holders of different sizes. The components are arranged on a yellow rectangular surface, which is set against a background of a black and white checkered pattern.

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

