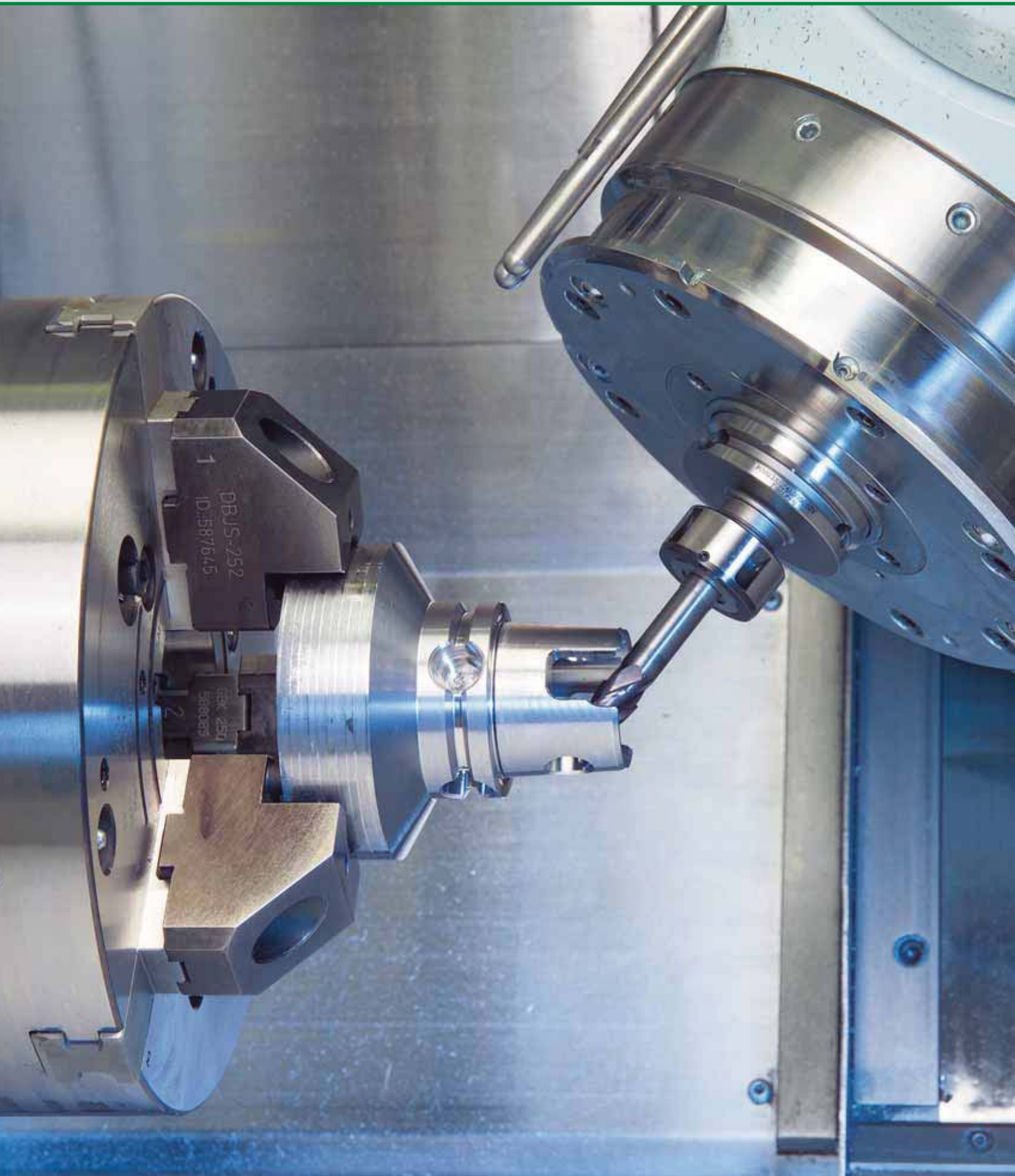




TOOLING SYSTEMS

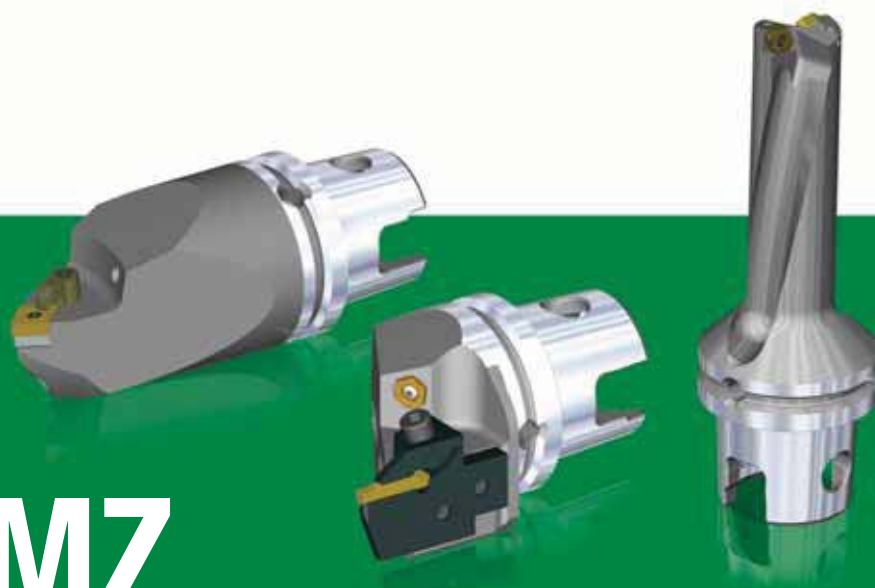
TOOLING SYSTEMS





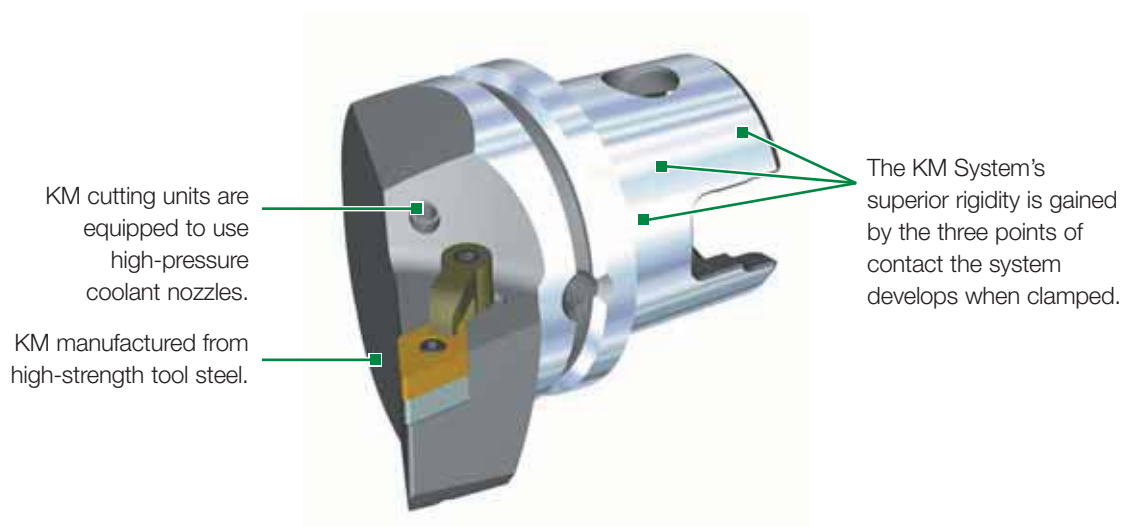
KM™ Quick Change Clamping System • KM63XMZ™ Series

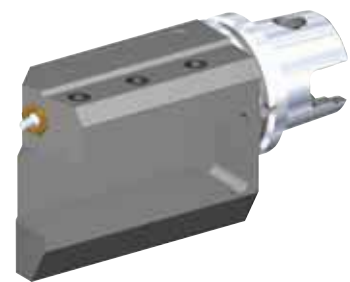
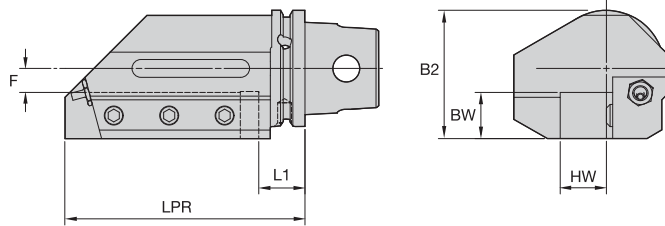
The KM Quick Change Clamping System is the best system on the market suitable for static, rotating, and multitasking operations. With its industry-leading design, the KM Quick Change System provides greater clamping forces than other quick-change systems. The KM Quick Change System gives you the flexibility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



KM63XMZ

- KM63XMZ is designed to be used on Mazak® Mark IV Series and I- and J-Series INTEGREX® Machines.
- KM63XMZ is your solution for multitasking.




■ STA • Straight Side Mount • Metric


order number	catalog number	L1	LPR	F	HW	BW	B2	cup point socket set screw	nozzle	Nm	kg
1855652	KM63XMZSTALF2020Y	25	100	10	20	20	62	MS2049	PMT04526 COOLANT NOZZLE SPRAY	35	2,46
1506498	KM63XMZSTALF2525Y	25	130	13	25	25	70	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	3,54
1850241	KM63XMZSTAR2020Y	25	100	10	20	20	62	MS2049	PMT04526 COOLANT NOZZLE SPRAY	35	2,43
1514567	KM63XMZSTAR2525Y	25	130	13	25	25	70	MS1430	PMT04526 COOLANT NOZZLE SPRAY	55	3,58

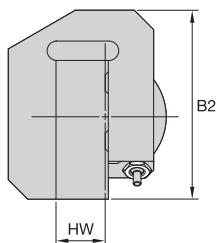
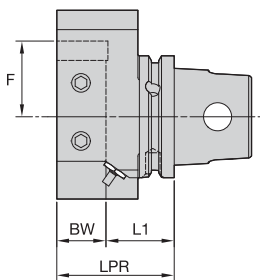
■ STA • Straight Side Mount • Inch


order number	catalog number	L1	LPR	F	HW	BW	B2	cup point socket set screw	nozzle	ft. lbs.	lbs
1855684	KM63XMZSTALF12Y	.921	3.937	.378	.750	.750	2.421	MS2049	PMT04526 COOLANT NOZZLE SPRAY	26	5.38
1516687	KM63XMZSTALF16Y	.906	5.118	.522	1.000	1.000	2.762	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	7.83
1855683	KM63XMZSTAR12Y	.921	3.937	.378	.750	.750	2.421	MS2049	PMT04526 COOLANT NOZZLE SPRAY	26	5.32
1516683	KM63XMZSTAR16Y	.906	5.118	.522	1.000	1.000	2.762	MS1430	PMT04526 COOLANT NOZZLE SPRAY	40	7.92

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

KM63XMZ™ Cutting Units

Single Square Shank Adapters



KM63XMZ Cutting Units

■ ETA • Straight End Mount • Inch

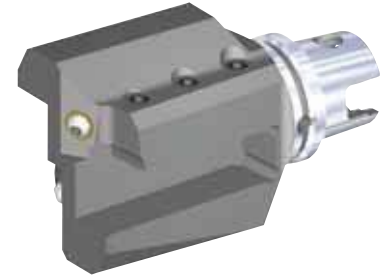
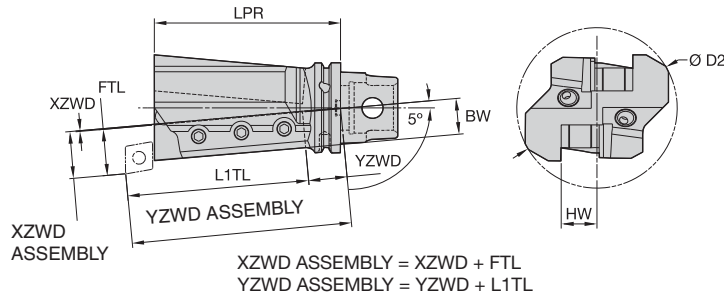
order number	catalog number	L1	LPR	F	HW	BW	B2	ft. lbs.	lbs
	right hand								
3103491	KM63XMZETAR16Y	1.388	2.388	-1.539	1.000	1.000	3.839	40	4.97
	left hand								
3103492	KM63XMZETALF16Y	1.388	2.388	-1.539	1.000	1.000	3.839	40	4.85

■ Spare Parts



catalog number	cup point socket set screw	nozzle
right hand		
KM63XMZETAR16Y	DWG 249618-23R05	PMT04526 COOLANT NOZZLE SPRAY
left hand		
KM63XMZETALF16Y	DWG 249618-23R05	PMT04526 COOLANT NOZZLE SPRAY

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

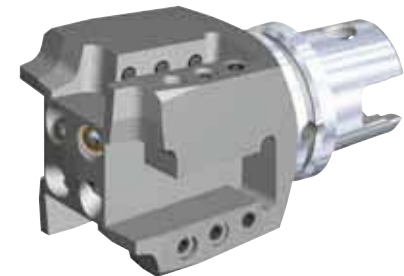
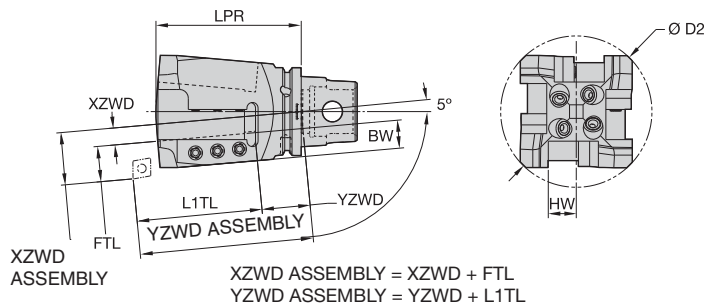


■ STA • 2x Straight Side Mount • Metric



order number	catalog number	D2	LPR	XZWD	YZWD	HW	BW	cup point socket set screw	Nm	nozzle	kg
1847363	KM63XMZ2XSTAR2525Y	112	130	1	28	25	25	MS1430	55	PWZ1012	3,85
1868533	KM63XMZ2XSTALF2525Y	112	130	1	28	25	25	MS1430	55	PWZ1012	3,85

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



■ STA • 4x Straight Side Mount • Metric

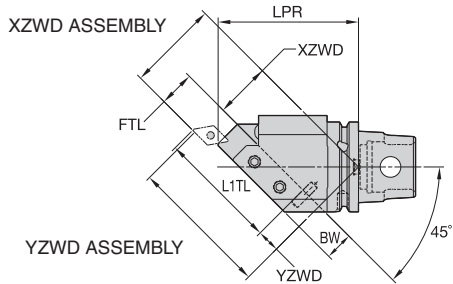


order number	catalog number	D2	LPR	XZWD	YZWD	HW	BW	cup point socket set screw	Nm	nozzle	kg
1725301	KM63XMZ4XSTAR2020Y	108	104	12	34	20	20	121.830	18	PWZ1008	2,92

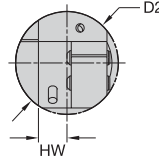
NOTE: Do not overtighten clamp screw; use torque recommendations above.
Supplied with clamp screw.
Clamp screw wrench not included.

KM63XMZ™ Cutting Units

TA 45° Mount Square Shank Adapters



$$\begin{aligned} \text{XZWD ASSEMBLY} &= \text{XZWD} + \text{FTL} \\ \text{YZWD ASSEMBLY} &= \text{YZWD} + \text{L1TL} \end{aligned}$$



■ 45TA • 45° Mount • Metric



order number	catalog number	D2	LPR	XZWD	YZWD	HW	BW	cup point socket set screw	nozzle	Nm	kg
1855665	right hand KM63XMZ45TAR2020Y	72	99	39	16	20	20	MS2049	PWZ1012	25	2,01
1855669	left hand KM63XMZ45TALF2020Y	72	99	39	16	20	20	MS2049	PWZ1012	25	2,01

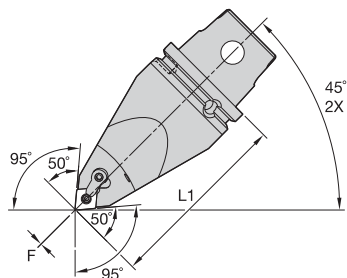
■ 45TA • 45° Mount • Inch



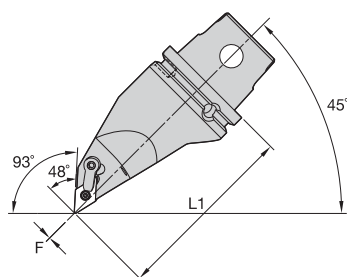
order number	catalog number	D2	LPR	XZWD	YZWD	HW	BW	cup point socket set screw	nozzle	ft. lbs.	lbs
1855685	right hand KM63XMZ45TAR12Y	2.835	3.887	1.518	.451	.750	.750	MS2049	PWZ1012	18	4.38
1855686	left hand KM63XMZ45TALF12Y	2.835	3.887	1.518	.451	.750	.750	MS2049	PWZ1012	18	4.38

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




KM63XMZ Cutting Units
■ MCMN 50° • 95° Application • Centerline

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3180556	KM63XMZMCMNF12115Y	115	4.528	0	.000	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	2,07	4.57



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							
3487461	KM63XMZMDMNR1504115Y	115	4.528	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,88	4.14
3487462	KM63XMZMDMNR1506115Y	115	4.528	0	.000	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	1,88	4.13
3487458	KM63XMZMDMNL1504115Y	115	4.528	0	.000	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,87	4.11
3487459	KM63XMZMDMNL1506115Y	115	4.528	0	.000	DN..150608/DN..442	IDSN432	KLM46L	CKM23	STCM11	1,86	4.10

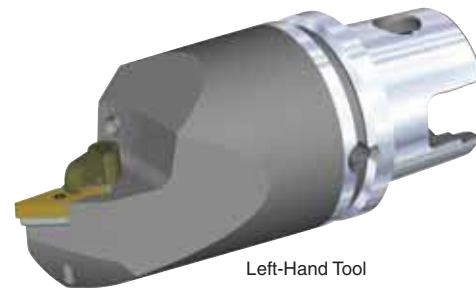
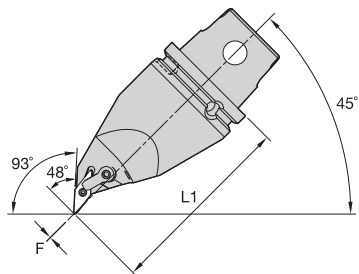


KM63XMZ™ Cutting Units

M-Clamping Centerline

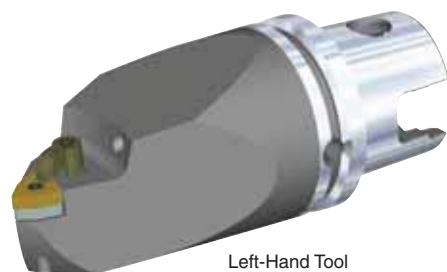
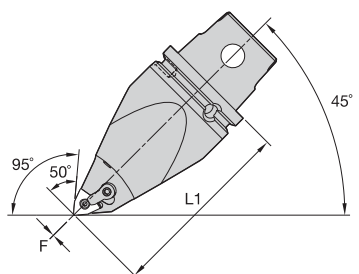
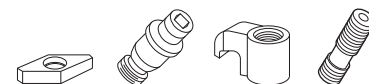


KM63XMZ Cutting Units



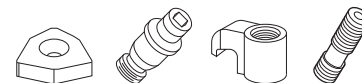
■ MVMN 48° • 93° Application • Centerline

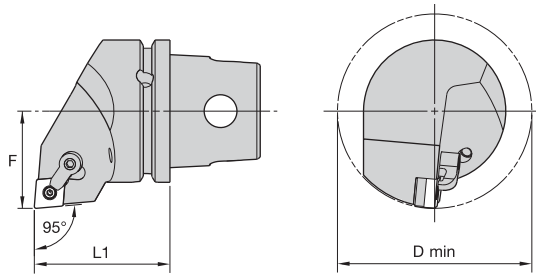
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3487473	KM63XMZMVMNR16115Y	115	4.528	0	.000	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,97	4.35
	right hand											
3487460	KM63XMZMVMNLF16115Y	115	4.528	0	.000	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,97	4.35
	left hand											



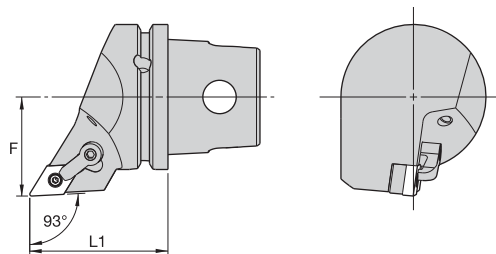
■ MWMN 50° • 95° Application • Centerline

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3487572	KM63XMZMWMNR08115Y	115	4.528	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20	STCM11	2,03	4.47
	right hand											
3487571	KM63XMZMWMNLF08115Y	115	4.528	0	.000	WN..080408/WN..432	IWSN433	KLM46	CKM20	STCM11	2,02	4.46
	left hand											

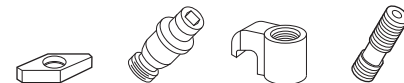



■ MCLN 95°

order number	catalog number	L1		F		D min		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in	mm	in							
1551813	KM63XMZMCLNR12Y right hand	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	1,24	2.73
1603738	KM63XMZMCLNR16Y left hand	60	2.362	43	1.693	86	3.386	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,24	2.74
3103485	KM63XMZMCLNLF12Y	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	ICSN432	KLM46	CKM20	STCM11	1,24	2.73
3103486	KM63XMZMCLNLF16Y	60	2.362	43	1.693	86	3.386	CN..160612/CN..543	ICSN533	KLM58	CKM20	STCM11	1,24	2.74


■ MDJN 93°

order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3103487	KM63XMZMDJNR1504Y right hand	60	2.362	43	1.693	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,07	2.360
3103488	KM63XMZMDJNLF1504Y left hand	60	2.362	43	1.693	DN..150408/DN..432	IDSN442	KLM46L	CKM23	STCM11	1,07	2.360

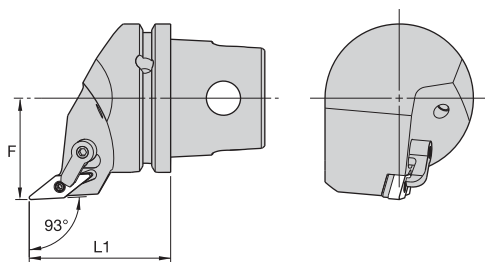


KM63XMZ™ Cutting Units

M-Clamping • P-Clamping

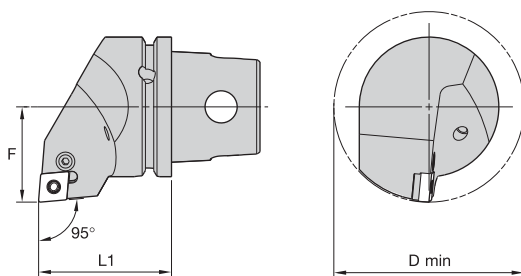
WIDIA

KM63XMZ Cutting Units



■ MVJN 93°

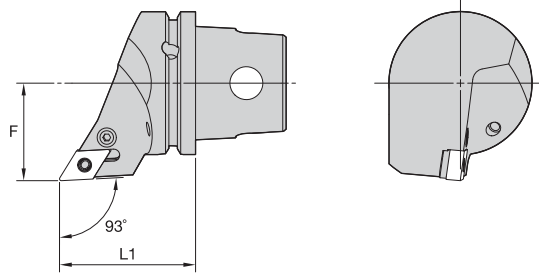
order number	catalog number	L1		F		gage insert	shim	lock pin	clamp	clamp screw	kg	lbs
		mm	in	mm	in							
3103489	KM63XMZMVJNR16Y	60	2.362	43	1.693	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,05	2.32
	right hand											
3103490	KM63XMZMVJNLF16Y	60	2.362	43	1.693	VN..160408/VN..332	IVSN322	KLM34L	CKM23	STCM11	1,05	2.32
	left hand											



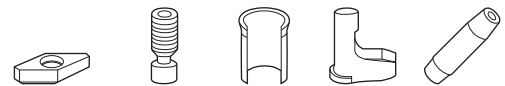
■ PCLN 95°

order number	catalog number	L1		F		D min	gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in	mm								
2231263	KM63XMZPCLNR12Y	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	512.112	514.023	513.023	511.023	515.018	1,23 2.71
	right hand													
2231264	KM63XMZPCLNLF12Y	60	2.362	43	1.693	86	3.386	CN..120408/CN..432	512.112	514.023	513.023	511.023	515.018	1,23 2.71
	left hand													

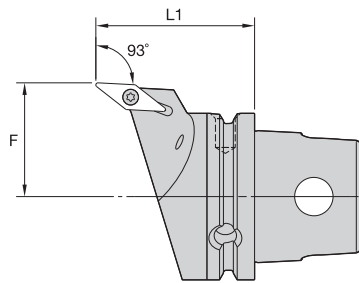




■ PDJN 93°



order number	catalog number	L1		F		gage insert	shim	lever screw	shim pin	toggle lever	punch	kg	lbs
		mm	in	mm	in								
2231265	KM63XMZPDJNR15Y	60	2.362	43	1.693	DN..150608/DN..442	512.153	514.028	513.023	511.024	515.018	1,04	2.29



Left-Hand Tool

■ SVJB 93°



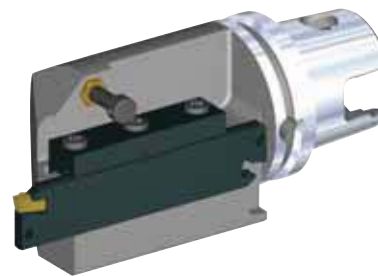
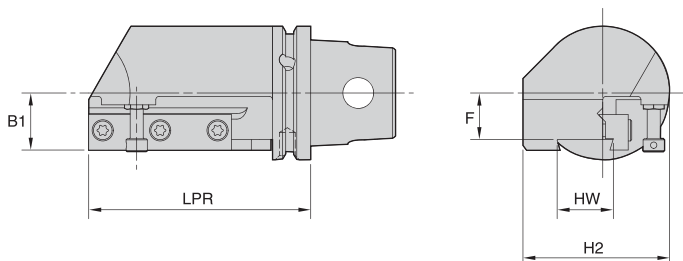
order number	catalog number	L1		F		gage insert	insert screw	shim	shim screw	kg	lbs
		mm	in	mm	in						
2231270	KM63XMZSVJBLF16Y	60	2.362	43	1.693	VB..160408/VB..332	MS1156	SKVN343	SRS3	1,07	2.35

KM63XMZ™ Cutting Units

ProGroove™ • WMT™ SLS Grooving and Cut-Off



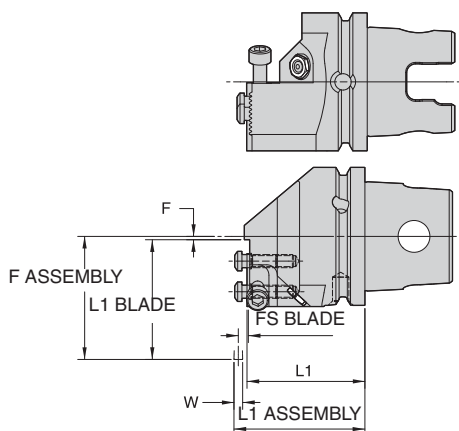
KM63XMZ Cutting Units



■ BS • Side Mount

order number	catalog number	F		LPR		H2		HW		B1		cartridge size	cartridge 1	clamp	coolant screw	kg lbs	
		mm	in	mm	in	mm	in	mm	in	mm	in						
1982386	right hand KM63XMZBSR4Y	21,9	.863	105	4.12	69	2.72	26	1.02	38	1.48	26	A2BNSN26...	CGS4	MS1595	2,27	5.00
1831638	left hand KM63XMZBSR5Y	39,9	1.572	124	4.87	71	2.81	32	1.26	40	1.57	32	A2BNSN32...	CGS5	MS1595	3,64	8.04
1982387	right hand KM63XMZBSLF4Y	21,9	.863	105	4.12	69	2.72	26	1.02	38	1.48	26	A2BNSN26...	CGS4	MS1595	2,31	5.10
1831634	left hand KM63XMZBSLF5Y	39,9	1.572	124	4.87	71	2.81	32	1.26	40	1.57	32	A2BNSN32...	CGS5	MS1595	3,63	7.99

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



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

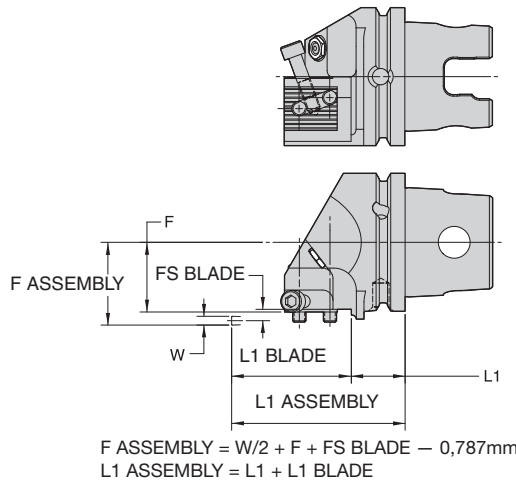


■ WGME

order number	catalog number	L1		F		button-head cap screw	nozzle	socket-head cap screw	kg lbs	
		mm	in	mm	in					
3949660	right hand KM63XMZWGMER55MY	53,79	2.118	1,52	.060	606256	PMT08430	MS337	1,24	2.73
3949661	left hand KM63XMZWGMELF55MY	53,79	2.118	1,52	.060	606256	PMT08430	MS337	1,24	2.73

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

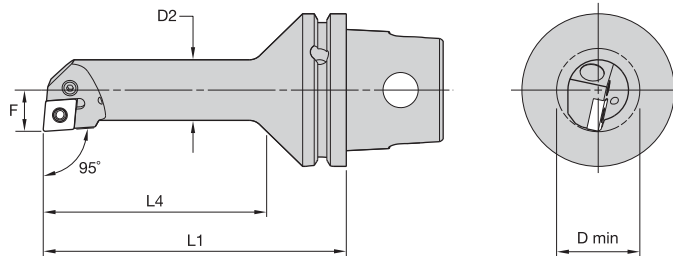




WGMS

order number	catalog number	L1		F		nozzle	socket-head cap screw	socket-head cap screw	kg	lbs
		mm	in	mm	in					
3949658	right hand KM63XMZWGMSR55MY	24,52	.965	31,79	1.252	PMT08430	MS1132PKG	MS337	1,17	2.58
3949659	left hand KM63XMZWGMSLF55MY	24,52	.965	31,79	1.252	PMT08430	MS1132PKG	MS337	1,17	2.58

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



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			
2231271	right hand KM63XMZS25KPCLNR12Y	25	.98	32	1.26	17	.669	88	3.45	125	4.921	1,17	2.57
2231272	left hand KM63XMZS25KPCLNLF12Y	25	.98	32	1.26	17	.669	88	3.45	125	4.921	1,17	2.57

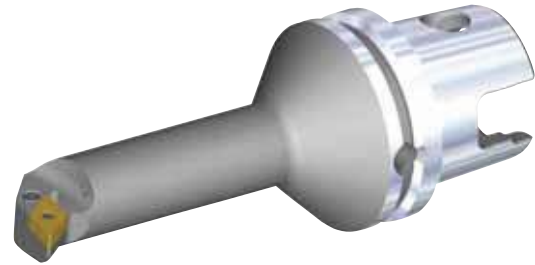
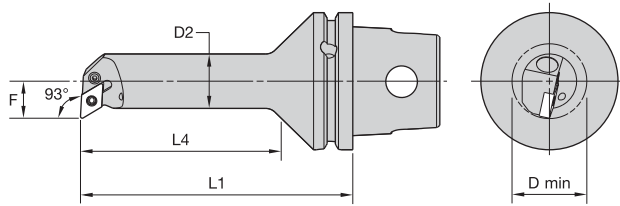
Spare Parts

catalog number	lever screw	toggle lever
right hand KM63XMZS25KPCLNR12Y	514.022	511.022
left hand KM63XMZS25KPCLNLF12Y	514.022	511.022



KM63XMZ™ Internal Cutting Units

P-Clamping

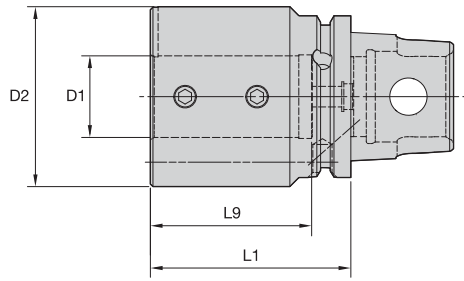


■ PDUN 93°

		D2		D min		F		L4		L1					
order number	catalog number	mm	in	mm	in	mm	in	mm	in	mm	in	gage insert	kg	lbs	
2231273	right hand												DN..110408/DN..332	1,15	2.530
	KM63XMZS25KPDUNR11Y	25	.98	32	1.26	17	.669	88	3.45	125	4.921				
2231274	left hand												DN..110408/DN..332	1,15	2.530
	KM63XMZS25KPDUNLF11Y	25	.98	32	1.26	17	.669	88	3.45	125	4.921				

■ Spare Parts

catalog number	lever screw	toggle lever
right hand		
KM63XMZS25KPDUNR11Y	514.012	511.015
left hand		
KM63XMZS25KPDUNLF11Y	514.012	511.015



KM63XMZ Adapters

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



order number	catalog number	D1	D2	L1	L9	clamp screw	nozzle	wrench size clamp screw	Nm	kg
1855688	KM63XMZBA3278Y	32	70	78	63	MS1561	PWZ1012	5mm	25	2
1510611	KM63XMZBA40105Y	40	80	105	76	MS1858	PWZ1012	6mm	45	3

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



order number	catalog number	D1	D2	L1	L9	clamp screw	nozzle	wrench size clamp screw	ft. lbs.	lbs
1855692	KM63XMZBA125307Y	1 1/4	2.76	3.071	2.48	MS1561	PWZ1012	5mm	18	4
1516678	KM63XMZBA150413Y	1 1/2	3.15	4.134	2.99	MS1858	PWZ1012	6mm	33	7
1831641	KM63XMZBA200512Y	2	3.54	5.118	3.98	MS1858	PWZ1012	6mm	33	9

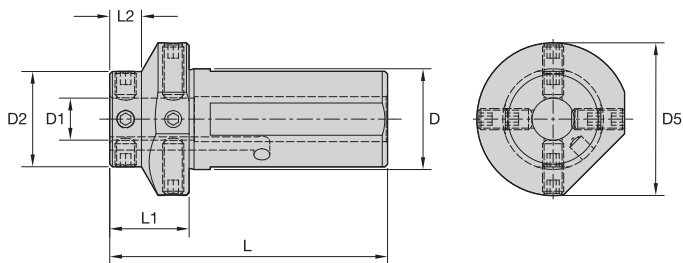
NOTE: Do not overtighten clamp screw; use torque recommendations above.
 Supplied with clamp screw.
 Clamp screw wrench not included.
 For boring bar reducers, see page A286.

KM63XMZ™ Adapters

Boring Bar Reducers



KM63XMZ Adapters



■ BR • Boring Bar Reducer • Metric



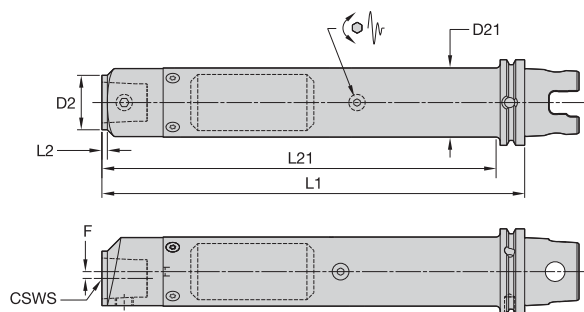
order number	catalog number	D	D1	D2	D5	L	L1	L2	flat point socket set screw	wrench size clamp screw	Nm	kg
1521853	KM63XMZBR4008Y	40	8	36	58	105	30	12	—	3mm	7	1,07
1521854	KM63XMZBR4010Y	40	10	36	58	105	30	12	—	3mm	7	1,04
1521857	KM63XMZBR4012Y	40	12	36	58	105	30	12	MS1109	4mm	15	0,93
1521859	KM63XMZBR4016Y	40	16	36	58	105	30	12	MS1109	4mm	15	0,85
1521860	KM63XMZBR4020Y	40	20	58	58	105	30	30	MS1878	4mm	15	0,62
1521858	KM63XMZBR4025Y	40	25	54	54	105	30	30	MS1878	4mm	15	1,03
1521856	KM63XMZBR4032Y	40	32	54	54	105	30	30	MS1878	4mm	15	0,99

■ BR • Boring Bar Reducer • Inch



order number	catalog number	D	D1	D2	D5	L	L1	L2	flat point socket set screw	wrench size clamp screw	ft. lbs.	lbs
1566093	KM63XMZBR150031Y	1.50	5/16	1.42	2.27	4.13	1.181	.472	—	3mm	5	2.21
1566078	KM63XMZBR150038Y	1.50	3/8	1.42	2.27	4.13	1.181	.472	—	3mm	5	2.14
1566079	KM63XMZBR150050Y	1.50	1/2	1.42	2.27	4.13	1.181	.472	MS1109	4mm	11	2.03
1566080	KM63XMZBR150062Y	1.50	5/8	1.42	2.27	4.13	1.181	.472	MS1109	4mm	11	1.90
1566211	KM63XMZBR150075Y	1.50	3/4	2.27	2.27	4.13	1.181	1.181	MS1878	4mm	11	2.13
1566212	KM63XMZBR150100Y	1.50	1	2.27	2.27	4.13	1.181	1.181	MS1878	4mm	11	1.73
1566213	KM63XMZBR150125Y	1.50	1 1/4	2.27	2.27	4.13	1.181	1.181	MS-1879	4mm	11	1.21

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



KM63XMZ Shank Tools



■ TTB • KM Tunable Bar • KM

order number	catalog number	CSWS system size	D2		D21		F		L1		L2		L21	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
3901271	KM63XMZD24TTB9KM40	KM40	38,10	1.500	—	—	0,00	.000	234,55	9.234	216,55	8.526	—	—
3901274	KM63XMZD28TTB14KM40	KM40	44,45	1.750	—	—	0,00	.000	361,52	14.233	4,00	.157	341,52	13.446
3901272	KM63XMZD32TTB12KM40	KM40	50,00	1.969	—	—	5,00	.197	310,71	12.233	4,00	.157	290,71	11.445
3901275	KM63XMZD32TTB16KM40	KM40	50,00	1.969	—	—	5,00	.197	412,32	16.233	4,00	.157	392,32	15.446
3901273	KM63XMZD40TTB15KM40	KM40	63,50	2.500	—	—	11,75	.463	386,92	15.233	4,00	.157	368,92	14.524
3901276	KM63XMZD40TTB20KM40	KM40	63,50	2.500	—	—	11,75	.463	513,92	20.233	4,00	.157	495,92	19.524

NOTE: Tunable technical section, see page K66.

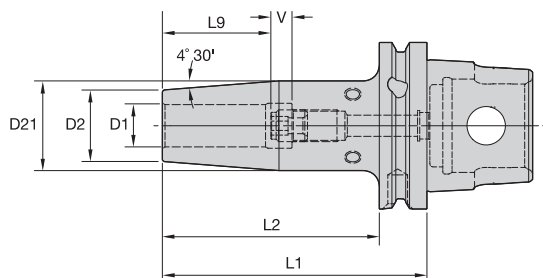
KM63XMZ™ Shank Tools

Shrink Fit Toolholders General Purpose (GP)



KM63XMZ Shank Tools

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



Cutting Tool Shank Requirements
metric (ISO standard)

cutting tool shank diameter	tolerance	
4	h4	0,000/-0,004
6	h6	0,000/-0,008
8 & 10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32	h6	0,000/-0,016



■ HPV TT • Metric



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	kg
3661833	KM63XMZHPVTT04080MY	4	9		80	52	15	10	TTSS05014M	2,5mm	0,74
3661823	KM63XMZHPVTT06080MY	6	21	1	80	62	26	10	TTSS05014M	2,5mm	0,85
3661824	KM63XMZHPVTT08080MY	8	21	1	80	62	26	10	TTSS06014M	3mm	0,84
3661825	KM63XMZHPVTT10090MY	10	24	1	90	72	31	10	TTSS08014M	4mm	0,97
3661826	KM63XMZHPVTT12090MY	12	24	1	90	72	36	10	TTSS10014M	5mm	0,95
3661827	KM63XMZHPVTT14100MY	14	27	1	100	82	36	10	TTSS10014M	5mm	1,08
3661828	KM63XMZHPVTT16100MY	16	27	1	100	82	39	10	TTSS12014M	6mm	1,05
3661829	KM63XMZHPVTT18100MY	18	33	2	100	82	39	10	TTSS12014M	6mm	1,27
3661830	KM63XMZHPVTT20100MY	20	33	2	100	82	41	10	TTSS16014M	8mm	1,24
3661831	KM63XMZHPVTT25120MY	25	44	2	120	102	47	10	TTSS16014M	8mm	1,96
3661832	KM63XMZHPVTT32120MY	32	44	2	120	102	51	10	TTSS16014M	8mm	1,79

(continued)

(HPV TT continued)

 Cutting Tool Shank Requirements
 inch (industry standard)

cutting tool shank diameter	tolerance
1/4, 5/16, & 3/8	-.0001/-0.0004
7/16, 1/2, 9/16, 5/8, & 11/16	.0000/-0.0004
3/4, 7/8, 1, & 1-1/4	.0000/-0.0005

■ HPV TT • Inch



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3858932	KM63XMZHPVTT025315Y	1/4	.827	1.059	3.150	2.441	1.024	.394	TTSS05014M	2,5mm	1.85
3858943	KM63XMZHPVTT031315Y	5/16	.827	1.059	3.150	2.441	1.024	.394	TTSS06014M	3mm	1.84
3858944	KM63XMZHPVTT038335Y	3/8	.945	1.256	3.347	2.638	1.221	.394	TTSS08014M	4mm	2.05
3858945	KM63XMZHPVTT044354Y	7/16	.945	1.256	3.543	2.835	1.417	.394	TTSS10014M	5mm	2.09
3858946	KM63XMZHPVTT050354Y	1/2	.945	1.256	3.543	2.835	1.417	.394	TTSS10014M	5mm	2.06
3858947	KM63XMZHPVTT056354Y	9/16	1.063	1.335	3.543	2.835	1.417	.394	TTSS10014M	5mm	2.19
3858948	KM63XMZHPVTT062374Y	5/8	1.063	1.335	3.740	3.032	1.535	.394	TTSS12014M	6mm	2.22
3858949	KM63XMZHPVTT068374Y	11/16	1.299	1.650	3.740	3.032	1.535	.394	TTSS12014M	6mm	2.68
3858950	KM63XMZHPVTT075394Y	3/4	1.299	1.650	3.937	3.228	1.614	.394	TTSS16014M	8mm	2.73
3858951	KM63XMZHPVTT088394Y	7/8	1.299	1.650	3.937	3.228	1.614	.394	TTSS16014M	8mm	2.64
3858952	KM63XMZHPVTT100453Y	1	1.732	2.083	4.528	3.819	1.850	.394	TTSS16014M	8mm	4.10
3858953	KM63XMZHPVTT125472Y	1 1/4	1.732	2.083	4.724	4.016	2.008	.394	TTSS16014M	8mm	3.96

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

Shrink Fit technical section, see page K56.

Supplied with stop screw.

Adjusting stop screw gage, see page K59.

Shrink Fit accessories, see page J2.

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

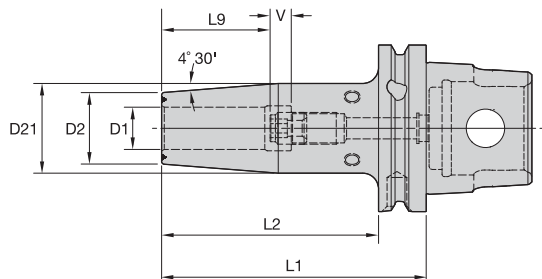
KM63XMZ™ Shank Tools

Shrink Fit Toolholders High Torque (HT)



KM63XMZ Shank Tools

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



Cutting Tool Shank Requirements
metric (ISO standard)

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

■ HPV TT HT • Metric



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	kg
3661834	KM63XMZHPVTTHT12090MY	12	24	1	90	72	36	10	TTSS10014M	5mm	0,95
3661835	KM63XMZHPVTTHT14100MY	14	27	1	100	82	36	10	TTSS10014M	5mm	1,08
3661836	KM63XMZHPVTTHT16100MY	16	27	1	100	82	39	10	TTSS12014M	6mm	1,05
3661837	KM63XMZHPVTTHT18100MY	18	33	2	100	82	39	10	TTSS12014M	6mm	1,27
3661838	KM63XMZHPVTTHT20100MY	20	33	2	100	82	41	10	TTSS16014M	8mm	1,24
3661839	KM63XMZHPVTTHT25120MY	25	44	2	120	102	47	10	TTSS16014M	8mm	1,96
3661840	KM63XMZHPVTTHT32120MY	32	44	2	120	102	51	10	TTSS16014M	8mm	1,79

(continued)

(HPV TT HT continued)

 Cutting Tool Shank Requirements
 inch (industry standard)

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

■ HPV TT HT • Inch



order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw	lbs
3858954	KM63XMZHPVTTHT050354Y	1/2	.94	1.26	3.543	2.83	1.42	.39	TTSS10014M	5mm	2.06
3858955	KM63XMZHPVTTHT056354Y	9/16	1.06	1.33	3.543	2.83	1.42	.39	TTSS10014M	5mm	2.19
3858956	KM63XMZHPVTTHT062374Y	5/8	1.06	1.33	3.740	3.03	1.54	.39	TTSS12014M	6mm	2.22
3858957	KM63XMZHPVTTHT068374Y	11/16	1.30	1.65	3.740	3.03	1.54	.39	TTSS12014M	6mm	2.68
3858958	KM63XMZHPVTTHT075394Y	3/4	1.30	1.65	3.937	3.23	1.61	.39	TTSS16014M	8mm	2.73
3858959	KM63XMZHPVTTHT088394Y	7/8	1.30	1.65	3.937	3.23	1.61	.39	TTSS16014M	8mm	2.64
3858960	KM63XMZHPVTTHT100453Y	1	1.73	2.08	4.528	3.82	1.85	.39	TTSS16014M	8mm	4.10
3858961	KM63XMZHPVTTHT125472Y	1 1/4	1.73	2.08	4.724	4.02	2.01	.39	TTSS16014M	8mm	3.96

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

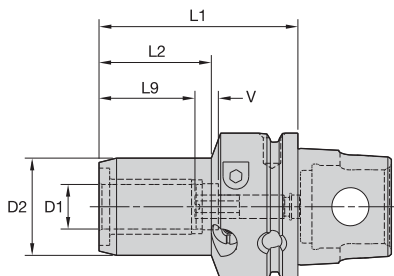
Shrink Fit technical section, see page K56.

Supplied with stop screw.

Adjusting stop screw gage, see page K59.

Shrink Fit accessories, see page J2.

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



■ 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
1514516	KM63XMZHC2085Y	20	42	85	48	41	10	170.135	5mm	170.003	3mm	1,36
1514517	KM63XMZHC32100Y	32	60	100	59	51	10	170.136	6mm	170.004	4mm	1,97

■ HC • Inch



order number	catalog number	D1	D2	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length adjustment wrench	wrench size stop screw	lbs
1514514	KM63XMZHC075335Y	3/4	1.64	3.347	1.89	1.61	.39	170.135	5mm	170.003	3mm	3.04
1514515	KM63XMZHC125394Y	1 1/4	2.35	3.937	2.32	2.01	.39	170.136	6mm	170.004	4mm	4.39

NOTE: Do not overtorque clamp screw. Use supplied wrench and tighten by hand until stop is felt.
Hydraulic chuck technical section, see page K60.
Supplied with stop screw.
Reduction sleeves are available and must be ordered separately; see page I7.

WIN WITH WIDIATM



M370TM Series • High-Feed Applications

Designed for high feed rate productivity, M370 Series provides the latest insert technology with outstanding performance and reliability. Its double-sided concept and six cutting edges provide security and optimal metal removal with an efficient cost per edge.

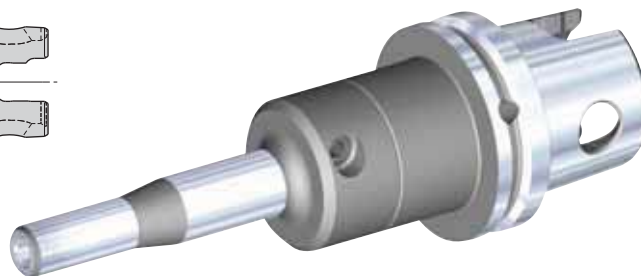
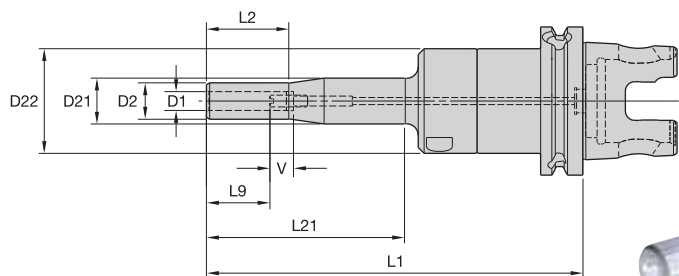
- Double-sided design offers six cutting edges per insert.
- Extremely high metal removal rates.
- First choice for high-feed roughing applications.

To learn more about our innovations, contact your local Authorized Distributor or visit www.widia.com.

WIDIA 

KM63XMZ™ Shank Tools

Hydraulic Chucks Slim Line



■ HCSLT • Metric

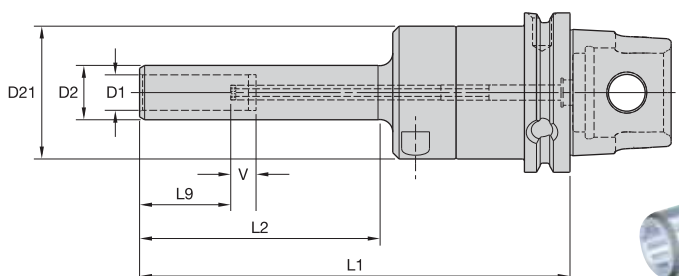
order number	catalog number	D1	D2	D21	D22	L1	L2	L21	L9	V	actuation wrench	wrench size actuation screw	length-adjustment wrench	wrench size stop screw	kg
3055511	KM63XMZHCSLT06160MY	6	14	20	44	160	35	85	27	10	170.135	5mm	170.002	2,5mm	1,38
3055512	KM63XMZHCSLT08160MY	8	16	20	44	160	35	85	27	10	170.135	5mm	170.002	2,5mm	1,39
3055513	KM63XMZHCSLT10160MY	10	18	44	—	160	85	142	31	10	170.135	5mm	170.003	3mm	1,37

NOTE: Do not overtorque clamp screw. Use supplied wrench and tighten by hand until stop is felt.

Hydraulic chuck technical section, see page K60.

Supplied with stop screw.

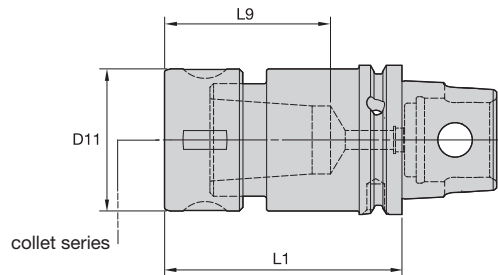
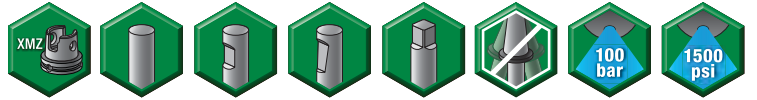
Reduction sleeves are available and must be ordered separately; see page I2.



■ HCSL • Metric

order number	catalog number	D1	D2	D21	L1	L2	L9	V	actuation wrench	wrench size actuation screw	length adjustment wrench	wrench size stop screw	kg
3055514	KM63XMZHCSL12170MY	12	20	44	170	95	36	10	170.135	5mm	170.002	2,5mm	1,41
3055515	KM63XMZHCSL14170MY	14	22	52	170	95	36	10	170.135	5mm	170.002	2,5mm	1,69
3055516	KM63XMZHCSL16170MY	16	24	52	170	95	39	10	170.135	5mm	170.002	2,5mm	1,70
3055517	KM63XMZHCSL18170MY	18	26	52	170	95	39	10	170.135	5mm	170.002	2,5mm	1,75
3055518	KM63XMZHCSL20170MY	20	28	52	170	95	41	10	170.135	5mm	170.002	2,5mm	1,78

- Tremendous grip (3:1 advantage).



KM63XMZ Shank Tools



TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG50	1,1	13,5	1/32	17/32
TG75	2,6	20,0	3/64	3/4
TG100	2,6	25,5	5/64	1

■ TG Collet Chuck • Round Nut

order number	catalog number	collet series	D11		L1		L9		kg	lbs
			mm	in	mm	in	mm	in		
1566225	KM63XMZTG05050Y	TG50	38	1.50	50	1.969	42,0	1.65	0,74	1.63
1516675	KM63XMZTG07575Y	TG75	50	1.97	75	2.953	54,0	2.13	1,30	2.88
1516677	KM63XMZTG100100Y	TG100	60	2.36	100	3.937	70,0	2.72	1,87	4.12

■ Spare Parts

catalog number	locknut	wrench	Nm	ft. lbs.
KM63XMZTG05050Y	LNA050M	HSW34M	55 - 68	40 - 50
KM63XMZTG07575Y	LNA075M	HSW45M	108 - 136	80 - 100
KM63XMZTG100100Y	LNA100M	HSW58M	163 - 203	120 - 150

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

Collet chuck technical section, see page K74.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

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

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

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

TG standard straight-bore collets, see page I10.

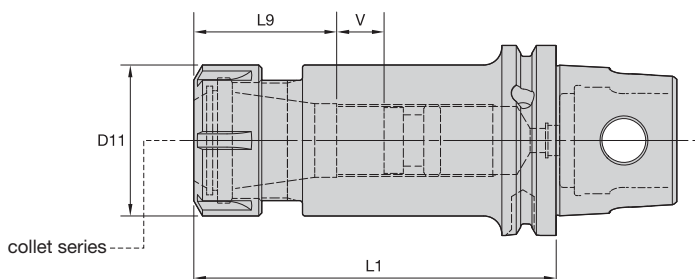
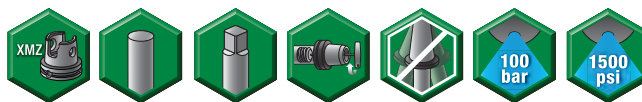
TG tap collets, see page I10.

KM63XMZ™ Shank Tools

ER Single-Angle Collet Chucks



KM63XMZ Shank Tools



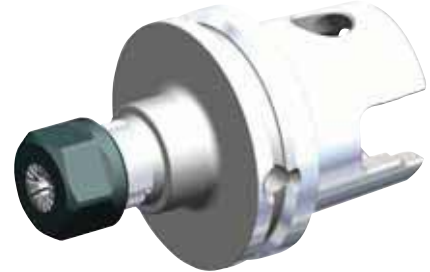
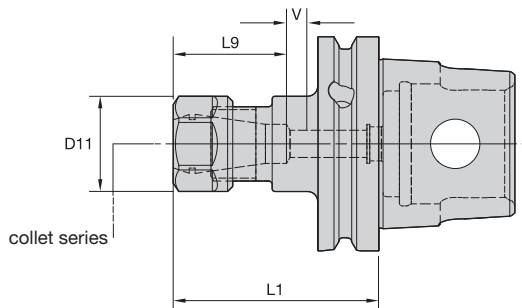
ER collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
ER11	0,5	7,0	.02	.28
ER25	1,0	16,0	.04	.63
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00

■ ER Collet Chuck • Round Nut

order number	catalog number	collet series	D11		L1		L9		V		locknut	wrench	stop screw				
			mm	in	mm	in	mm	in	mm	in				Nm	ft. lbs.	kg	lbs
1826965	KM63XMZER1160Y	ER11	16	.63	60	2.362	24,0	.94	—	—	LER11M	ER11WEM	—	16	12	0,71	1.56
1822413	KM63XMZER1190Y	ER11	16	.63	90	3.543	24,0	.94	—	—	LER11M	ER11WEM	—	16	12	0,82	1.81
1504983	KM63XMZER2560Y	ER25	42	1.65	60	2.362	40,0	1.57	—	—	LSER25M	ER25WM	—	104	77	0,85	1.88
1714892	KM63XMZER25120Y	ER25	42	1.65	120	4.724	40,0	1.57	40	1.57	LSER25M	ER25WM	SS075041G	104	77	1,41	3.11
1516809	KM63XMZER3260Y	ER32	50	1.97	60	2.362	47,0	1.83	—	—	LSER32M	ER32WM	—	136	100	0,91	2.00
1798651	KM63XMZER32120Y	ER32	50	1.97	120	4.724	46,0	1.81	34	1.34	LSER32M	ER32WM	SS094041G	136	100	1,69	3.72
1714893	KM63XMZER4090Y	ER40	63	2.48	90	3.543	70,3	2.77	—	—	LSER40M	ER40WM	—	176	130	1,65	3.64

(continued)

(ER Collet Chuck continued)



KM63XMZ Shank Tools



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

■ ER Collet Chuck • Hex Nut

order number	catalog number	collet series	D11		L1		L9		V					stop screw			
			mm	in	mm	in	mm	in	mm	in				Nm	ft. lbs.	kg	lbs
1532048	KM63XMZER16120Y	ER16	28	1.10	120	4.724	32	1.26	48	1.89	LNHSER16M	OEW25M	SS044038G	56	42	1,00	2.21
1516808	KM63XMZER1660Y	ER16	28	1.10	60	2.362	32	1.26	9	.35	LNHSER16M	OEW25M	SS044038G	56	42	0,74	1.63

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

Collet chuck technical section, see page K74.

Supplied with locknut and stop screw.

Locknut wrench must be ordered separately.

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

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

ER standard straight-bore collets, see page I50.

ER tap collets, see page I58.

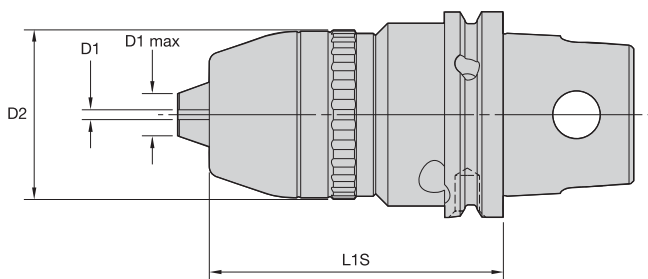
ER TCT tension-only tap collets, see page I60.

KM63XMZ™ Shank Tools

Drill Chucks • Whistle Notch™ Adapters



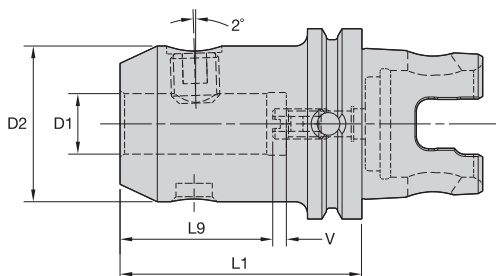
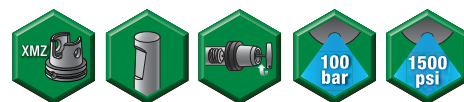
KM63XMZ Shank Tools



■ RDC • Drill Chuck

order number	catalog number	D1		D1 max		D2		L1S	
		mm	in	mm	in	mm	in	mm	in
1921511	KM63XMZRDC1390Y	1	.031	13	.500	50	1.949	90,0	3.543
3049855	KM63XMZRDC1690Y	3	.125	16	.625	52	2.047	90,0	3.543

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



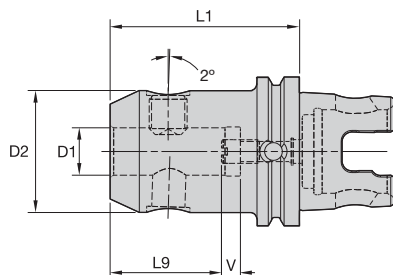
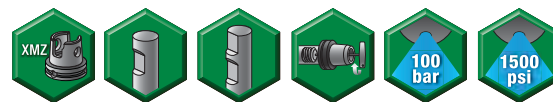
■ WN • Whistle Notch Adapter



order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
1982384	KM63XMZW0660Y	6	25	60	30	8	SS03M012	3mm	7	571.060	2,5mm	0,76
1831642	KM63XMZW0865Y	8	28	65	30	8	SS03M014	4mm	15	571.067	3mm	0,82
1831703	KM63XMZW1070Y	10	35	70	35	7	SS03M018	5mm	25	571.068	4mm	0,96
1831704	KM63XMZW1275Y	12	42	75	40	7	SS03M023	6mm	35	571.074	5mm	1,15
1831705	KM63XMZW1475Y	14	44	75	40	7	SS03M023	6mm	35	571.074	5mm	1,19
1831706	KM63XMZW1680Y	16	48	80	43	7	SS03M025	6mm	50	571.074	5mm	1,37
1982385	KM63XMZW1880Y	18	50	80	43	7	SS03M025	6mm	50	571.074	5mm	1,41
1714887	KM63XMZW2080Y	20	52	80	45	7	SS03M026	8mm	95	571.074	5mm	1,45
1714888	KM63XMZW2585Y	25	65	85	50	8	SS03M027	10mm	135	571.074	5mm	2,01
1714889	KM63XMZW3295Y	32	72	95	54	10	SS03M029	10mm	160	571.075	6mm	2,54

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.





■ WN/EM • Whistle Notch and End Mill Adapter

order number	catalog number	D1	D2	L1	L9	V	lock screw	wrench size lock screw	Nm	stop screw	wrench size stop screw	kg
2231550	KM63XMZWNE0680Y	6	25	80	32	8	SS03M012	3mm	7	571.060	2,5mm	0,88
2231551	KM63XMZWNE0880Y	8	28	80	32	8	SS03M014	4mm	15	571.067	3mm	0,94
2231552	KM63XMZWNE1080Y	10	35	80	37	8	SS03M018	5mm	25	571.068	4mm	1,07
2231593	KM63XMZWNE1280Y	12	42	80	42	8	SS03M023	6mm	35	571.074	5mm	1,24
2231594	KM63XMZWNE1480Y	14	44	80	42	8	SS03M023	6mm	35	571.074	5mm	1,29
2231595	KM63XMZWNE1680Y	16	48	80	45	8	SS03M025	6mm	50	571.074	5mm	1,39
2231596	KM63XMZWNE1880Y	18	50	80	45	8	SS03M025	6mm	50	571.074	5mm	1,44
2231597	KM63XMZWNE2080Y	20	52	80	47	8	SS03M026	8mm	95	571.074	5mm	1,49
2231598	KM63XMZWNE2580Y	25	65	80	52	8	SS03M027	10mm	135	571.074	5mm	1,85
2231599	KM63XMZWNE3280Y	32	72	80	56	8	SS03M029	10mm	160	571.074	5mm	2,10
2231600	KM63XMZWNE4095Y	40	80	95	67	8	SS03M029	10mm	160	571.074	5mm	2,75

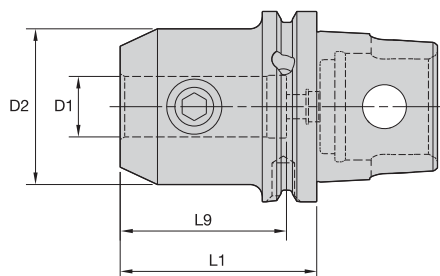
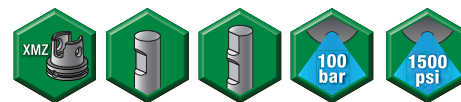
NOTE: Do not overtighten lock screw; use torque recommendations above.
 Supplied with lock screw and stop screw.
 Lock screw and stop screw wrenches are not included.

KM63XMZ™ Shank Tools

EM End Mill Adapters



KM63XMZ Shank Tools



EM • Metric



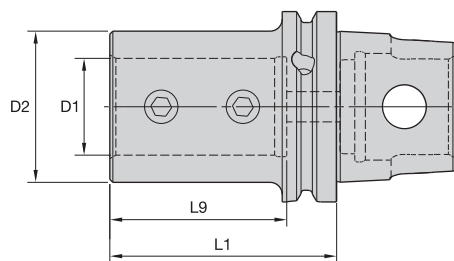
order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	Nm	kg
1621006	KM63XMZEM06100Y	6	25	100	40	SS03M012	3mm	7	0,98
1621010	KM63XMZEM08100Y	8	28	100	40	SS03M014	4mm	15	1,05
1621054	KM63XMZEM10100Y	10	35	100	45	SS03M018	5mm	25	1,22
1510191	KM63XMZEM1255Y	12	42	55	50	SS03M023	6mm	35	0,94
1511879	KM63XMZEM1660Y	16	48	60	53	SS03M025	6mm	50	1,09
1844636	KM63XMZEM1860Y	18	50	60	53	SS03M025	6mm	50	1,12
1511880	KM63XMZEM2065Y	20	52	65	55	SS03M026	8mm	95	1,21
1512091	KM63XMZEM2580Y	25	65	80	60	SS03M027	10mm	135	1,88
1714890	KM63XMZEM3290Y	32	72	90	65	SS03M029	10mm	160	2,38

EM • Inch



order number	catalog number	D1	D2	L1	L9	lock screw	wrench size lock screw	ft. lbs.	lbs
1723304	KM63XMZEM050216Y	1/2	1.38	2.165	1.97	ELS044038PKG	7/32	20	1.80
1516667	KM63XMZEM062236Y	5/8	1.63	2.362	2.09	ELS056050PKG	1/4	40	2.07
1516669	KM63XMZEM075256Y	3/4	1.75	2.559	2.22	ELS062050PKG	5/16	70	2.25
1516672	KM63XMZEM100315Y	1	2.00	3.150	2.46	ELS075056PKG	3/8	110	2.87
1516673	KM63XMZEM125335Y	1 1/4	2.50	3.346	2.51	ELS075062PKG	3/8	110	3.97
1831838	KM63XMZEM200492Y	2	3.75	4.921	3.53	ELS100088PKG	1/2	150	10.47

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



KM63XMZ Shank Tools

■ DAT • Metric

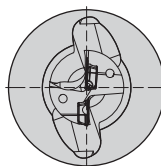
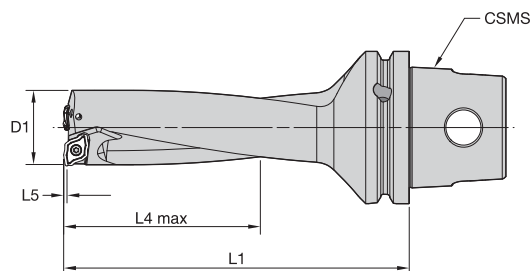
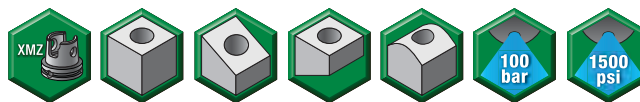

order number	catalog number	D1	D2	L1	L9	cone point socket set screw	wrench size clamp screw	Nm	clamp screw	wrench size clamp screw	Nm	kg
2231624	KM63XMZDAT2575Y	25	45	75	60	12166903700	6mm	40	12166903900	6mm	40	1,10
2231625	KM63XMZDAT3275Y	32	50	75	64	12166903700	6mm	40	12166903900	6mm	40	1,11
2231626	KM63XMZDAT4090Y	40	60	90	74	12166903800	8mm	50	12166904000	8mm	50	1,48

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

Supplied with clamping screw.

Clamp screw wrench is not included.

Cone point screw to be tightened first.



■ TCP 3 x D • Metric



order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898401	KM63XMZTCP350R3YM	KM63XMZ	35,0	154,0	105,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898402	KM63XMZTCP360R3YM	KM63XMZ	36,0	157,0	108,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898403	KM63XMZTCP370R3YM	KM63XMZ	37,0	161,0	111,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898404	KM63XMZTCP380R3YM	KM63XMZ	38,0	165,0	114,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898405	KM63XMZTCP390R3YM	KM63XMZ	39,0	169,0	117,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898406	KM63XMZTCP400R3YM	KM63XMZ	40,0	172,0	120,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898407	KM63XMZTCP410R3YM	KM63XMZ	41,0	176,0	123,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898408	KM63XMZTCP420R3YM	KM63XMZ	42,0	180,0	126,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898409	KM63XMZTCP430R3YM	KM63XMZ	43,0	184,0	129,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898410	KM63XMZTCP440R3YM	KM63XMZ	44,0	190,0	132,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898411	KM63XMZTCP450R3YM	KM63XMZ	45,0	191,0	135,0	0,96	XOMT12T308	12148055800	12148082400	T15
3898412	KM63XMZTCP460R3YM	KM63XMZ	46,0	195,0	138,0	1,48	XOMT160508	12148007200	12148007500	T20
3898413	KM63XMZTCP470R3YM	KM63XMZ	47,0	199,0	141,0	1,48	XOMT160508	12148007200	12148007500	T20
3898414	KM63XMZTCP480R3YM	KM63XMZ	48,0	202,0	144,0	1,48	XOMT160508	12148007200	12148007500	T20
3898415	KM63XMZTCP490R3YM	KM63XMZ	49,0	206,0	147,0	1,48	XOMT160508	12148007200	12148007500	T20
3898416	KM63XMZTCP500R3YM	KM63XMZ	50,0	210,0	150,0	1,48	XOMT160508	12148007200	12148007500	T20

NOTE: Drill shipped with insert screws and Torx wrench.

See WIDIA Indexable Milling and Holesmaking (A-09-02081) catalog for inserts.

(continued)

(TCP 3 x D continued)

■ TCP 3 x D • Inch



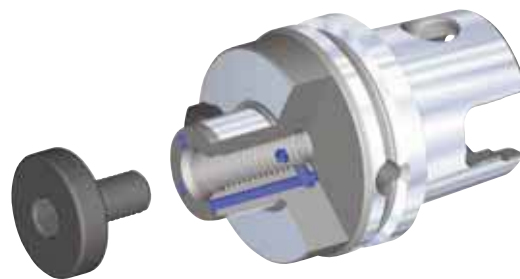
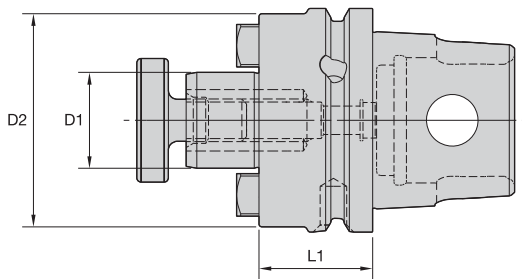
order number	catalog number	CSMS system size	D1	L1	L4 max	L5	gage insert	insert screw	Torx driver	Torx size
3898445	KM63XMZTCP1250R3Y	KM63XMZ	1.250	5.625	3.750	.028	XOMT09T306	12148067200	12148086600	T8
3898446	KM63XMZTCP1313R3Y	KM63XMZ	1.313	5.750	3.939	.028	XOMT09T306	12148067200	12148086600	T8
3898447	KM63XMZTCP1375R3Y	KM63XMZ	1.375	6.125	4.125	.028	XOMT09T306	12148067200	12148086600	T8
3898448	KM63XMZTCP1438R3Y	KM63XMZ	1.438	6.375	4.314	.038	XOMT12T308	12148055800	12148082400	T15
3898449	KM63XMZTCP1500R3Y	KM63XMZ	1.500	6.500	4.500	.038	XOMT12T308	12148055800	12148082400	T15
3898450	KM63XMZTCP1563R3Y	KM63XMZ	1.563	6.750	4.689	.038	XOMT12T308	12148055800	12148082400	T15
3898451	KM63XMZTCP1625R3Y	KM63XMZ	1.625	7.000	4.875	.038	XOMT12T308	12148055800	12148082400	T15
3898452	KM63XMZTCP1688R3Y	KM63XMZ	1.688	7.250	5.064	.038	XOMT12T308	12148055800	12148082400	T15
3898453	KM63XMZTCP1750R3Y	KM63XMZ	1.750	7.500	5.250	.038	XOMT12T308	12148055800	12148082400	T15
3898454	KM63XMZTCP1875R3Y	KM63XMZ	1.875	8.000	5.625	.058	XOMT160508	12148007200	12148007500	T20
3898455	KM63XMZTCP1938R3Y	KM63XMZ	1.938	8.250	5.814	.058	XOMT160508	12148067200	12148007500	T20
3898456	KM63XMZTCP2000R3Y	KM63XMZ	2.000	8.375	6.000	.058	XOMT160508	12148067200	12148007500	T20


WARNING

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

KM63XMZ™ Shank Tools

SMC Shell Mill Adapters with Through Coolant



■ SMC • Metric

order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	kg
3950758	KM63XMZSMC16028MY	16	44	28	MS1294	KDK16M	6mm	0,78
3950759	KM63XMZSMC22028MY	22	49	28	MS1234	KDK22M	8mm	0,84
3950760	KM63XMZSMC27032MY	27	60	32	KLSS27M	KDK27M	10mm	1,05
3950761	KM63XMZSMC32040MY	32	78	40	KLSS32M	KDK32M	14mm	1,60

■ SMC • Inch

order number	catalog number	D1	D2	L1	lock screw	drive key	wrench size lock screw	lbs
3950898	KM63XMZSMC050102Y	1/2	1.44	1.024	KLS05	KDK04	3/16	1.56
3950900	KM63XMZSM2C075102Y	3/4	1.46	1.024	KLS07	—	1/4	1.63
3950899	KM63XMZSMC075102Y	3/4	1.75	1.024	KLS07	KDK05	3/16	1.70
3950902	KM63XMZSM2C100126Y	1	2.19	1.260	KLS10	KDK06	5/16	2.19
3950901	KM63XMZSMC100126Y	1	2.75	1.260	KLS10	KDK06	5/16	2.49
3950903	KM63XMZSMC125157Y	1 1/4	2.88	1.575	KLS12	KDK08	5/16	3.35
3950904	KM63XMZSMC150177Y	1 1/2	3.69	1.770	KLS15	KDK10	3/8	5.11

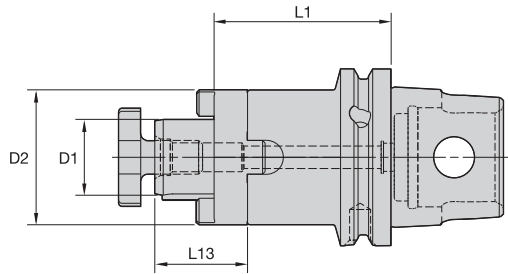
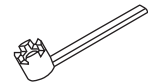
NOTE: Do not overtighten lock screw.

Supplied with lock screw and drive keys.

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

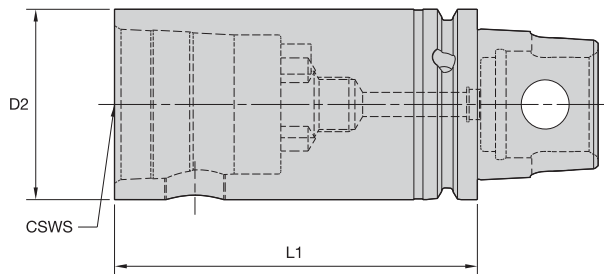
Lock screw wrench not included.




CS • Metric


order number	catalog number	D1	D2	L1	L13	lock screw	lock screw	wrench size lock screw	wrench	kg
2231604	KM63XMZCS1663Y	16	32	63	17	MS1294	—	6mm	—	0,98
2231606	KM63XMZCS22110Y	22	50	110	19	MS1234	—	8mm	—	2,29
2231601	KM63XMZCS2228Y	22	50	28	19	MS1234	—	8mm	—	1,87
2231605	KM63XMZCS2263Y	22	50	63	19	MS1234	—	8mm	—	0,88
2231608	KM63XMZCS27110Y	27	63	110	21	—	KLS27M	—	SMW27M	1,70
2231602	KM63XMZCS2732Y	27	63	32	21	—	KLS27M	—	SMW27M	2,98
2231607	KM63XMZCS2763Y	27	63	63	21	—	KLS27M	—	SMW27M	3,46
2231610	KM63XMZCS32110Y	32	78	110	24	—	KLS32M	—	SMW32M	2,20
2231603	KM63XMZCS3240Y	32	78	40	24	—	KLS32M	—	SMW32M	1,10
2231609	KM63XMZCS3263Y	32	78	63	24	—	KLS32M	—	SMW32M	1,42

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


S • KM Extensions

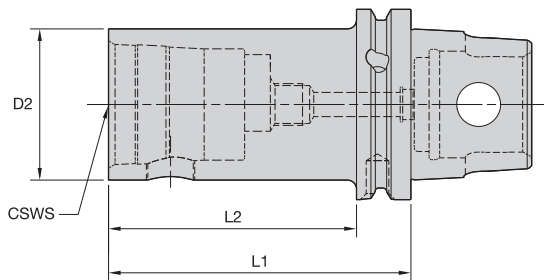

order number	catalog number	CSWS system size	D2		L1		wrench size actuation screw			spare parts package		kg	lbs
			mm	in	mm	in	12mm	Nm	ft. lbs.	KM63PKG3S	KM63PKG3S		
1319536	KM63XMZS6380Y	KM63	63	2.480	80	3.150	12mm	47-54	35-40	KM63PKG3S	KM63PKG3S	1,73	3.81
1511923	KM63XMZS63120Y	KM63	63	2.480	120	4.724	12mm	47-54	35-40	KM63PKG3S	KM63PKG3S	2,68	5.92

KM63XMZ™ Adapters

KM™ Reducers

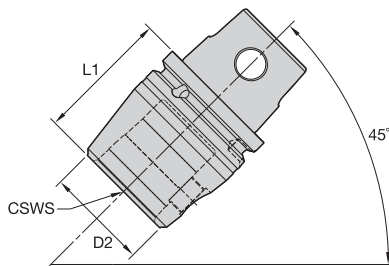


KM63XMZ Adapters



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						
1512243	KM63XMZS3270Y	KM32	32	1.260	70	2.756	46	1.811	5mm	8-11	6-8	KM32PKG3S	0,91	2.00
1511925	KM63XMZS4080Y	KM40	40	1.575	80	3.150	59	2.323	6mm	12-16	9-12	KM40PKG3S	1,14	2.51
1831639	KM63XMZS5058Y	KM50	50	1.969	58	2.299	36	1.417	10mm	27-34	20-25	KM50PKG3S	0,87	1.91
1509861	KM63XMZS50100Y	KM50	50	1.969	100	3.937	79	3.110	10mm	27-34	20-25	KM50PKG3S	1,67	3.68



S • KM Reducer • Centerline

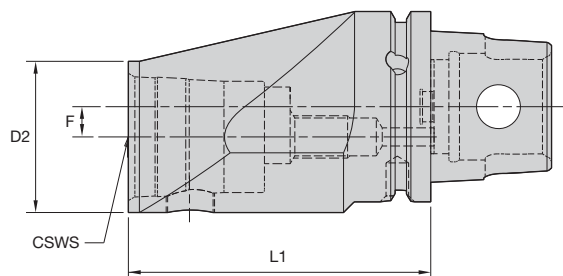
order number	catalog number	CSWS system size	D2		L1		wrench size actuation screw	Nm	ft. lbs.	spare parts package	kg	lbs
			mm	in	mm	in						
3306139	KM63XMZS5065Y	KM50	50	1.969	65	2.559	10mm	27-34	20-25	KM50PKG3L	1,42	3.13

NOTE: Designed for centerline KM cutting units.





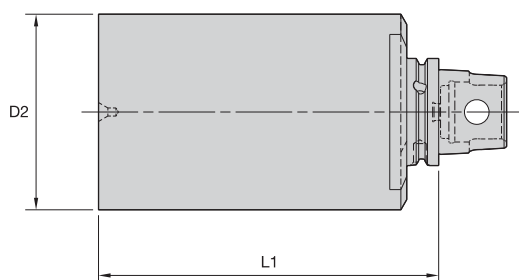
KM63XMZ Adapters



■ ES • KM Offset Reducer



order number	catalog number	CSWS system size	D2		L1		F		wrench size			spare		
			mm	in	mm	in	mm	in	actuation screw	Nm	ft. lbs.	parts package	kg	lbs
1831587	KM63XMZES40110Y	KM40	40	1.575	110	4.331	18	.709	6mm	12-16	9-12	KM40PKG3S	2,38	5.25
1516814	KM63XMZES50100Y	KM50	50	1.969	100	3.937	10	.394	10mm	27-34	20-25	KM50PKG3S	2,21	4.87



■ BN • Blank

order number	catalog number	D2		L1		hardness range	kg	lbs
		mm	in	mm	in			
1831586	KM63XMZBN115200Y	115	4.528	200	7.874	32-38 RW C	15,21	33.54