



Tooling Systems

Screw-On Adaptors for Modular Milling CuttersE2–E17

KM50TS Shank Tools	E4
KM63TS Shank Tools	E4
KM80TS Shank Tools	E5
HSK 40A Shank Tools	E5
HSK 50A Shank Tools	E6
HSK 63A Shank Tools	E7
HSK 100A Shank Tools	E8
HSK 40E Shank Tools	E8
HSK 50E Shank Tools	E9
BT 30 Shank Tools	E9
BT 40 Shank Tools	E10
BT 50 Shank Tools	E11
CV 40 Shank Tools	E12
CV 50 Shank Tools	E12
DV 40 Shank Tools	E13
DV 50 Shank Tools	E14
Straight Shank Tools	E16–E17
Weldon Shank Tools	E17

KM4X 100 Shank ToolsE18–E32

Shrink Fit Toolholders • General Purpose	E20–E21
Shrink Fit Toolholders • High Torque	E22
TG Collet Chucks	E23
ER Collet Chucks	E24
Whistle Notch Adaptors	E25
End Mill Adaptors	E26
Shell Mill Adaptors • Through Coolant	E28–E29
Tunable Shell Mill Adaptors • Through Coolant	E30
KM Modular Adaptors	E31
Bar Blank	E32
Gage Bar	E32



Screw-On Milling Cutter Adaptors • The Complete Solution to Milling

Primary Application

The universal design of Kennametal Screw-On Milling Cutter Adaptors enables old and new tool styles to be used interchangeably but still offer a rigid connection. All adaptors offer superior runout accuracy, high metal removal rates, and through-coolant capability. Screw-On Milling Cutter Adaptors can be used with Kennametal's wide range of best-in-class inserts to guarantee excellent cutting results, performance, and productivity.

Features and Benefits

Adaptor Design

- All adaptors have through-coolant capability.
- All products are stock-standard products.
- High accuracy — low runout.
- Stable system for helix, pocket milling, contour cutting, and ramping.
- KM, HSK, and steep taper pre-balanced to G6.3 at 16,000 RPM.
- Extensions and reducers are designed with through coolant provision.
- The fine-tuned screw on indexable end mill cutters and the KM™ and Erickson™ toolholders together with a wide range of best-in-class inserts ensure excellent cutting results, performance, and productivity.

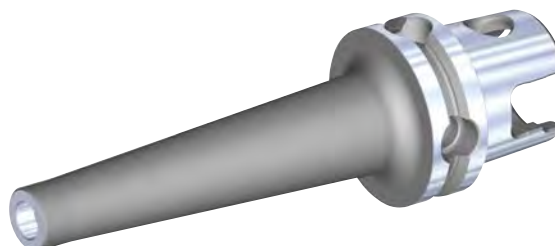
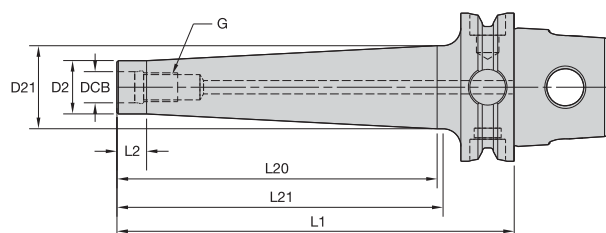
Increased Production

- High metal removal rates.
- High runout accuracy.
- Maximum performance capability.
- Optimising productivity with long reach and short overhang to support all types of applications.
- Cutter is kept on center for precision and maximum performance compared to Weldon® shank system.
- Ability to extend with standard offering extensions and reducers.
- Ground face contact for rigidity and accuracy.



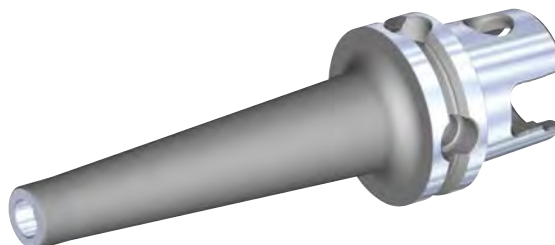
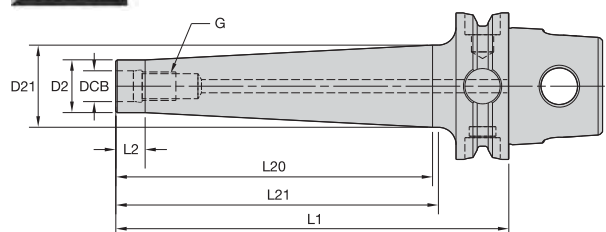
Screw-On Adaptors for Modular Milling Cutters

KM50TS™ and KM63TS™ Shank Tools



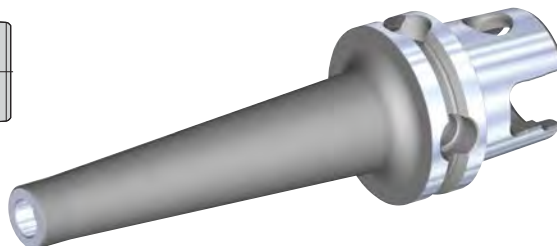
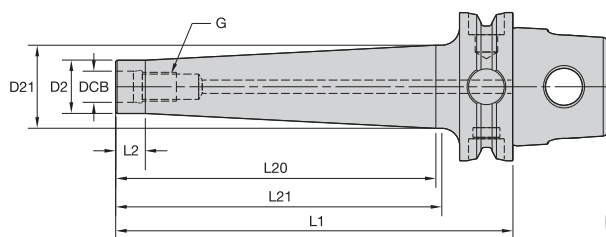
■ ST-KMTS

order number	catalogue 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



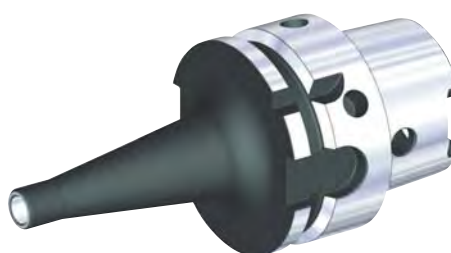
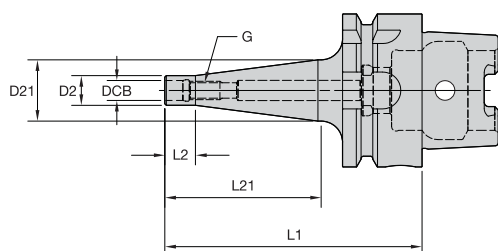
■ ST-KMTS

order number	catalogue number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4137620	KM63TSSTC06059M	6,5	M6	10	11	59	10	33	33	0,64
4137621	KM63TSSTC06084M	6,5	M6	10	12	84	10	58	58	0,66
4137622	KM63TSSTC06109M	6,5	M6	10	14	109	10	83	83	0,69
4137853	KM63TSSTC08059M	8,5	M8	13	15	59	10	31	33	0,66
4137854	KM63TSSTC08084M	8,5	M8	13	18	84	10	56	58	0,71
4137855	KM63TSSTC08109M	8,5	M8	13	23	109	10	81	83	0,79
4137856	KM63TSSTC08134M	8,5	M8	13	23	134	10	106	108	0,84
4137857	KM63TSSTC10059M	10,5	M10	18	20	59	10	31	33	0,69
4137858	KM63TSSTC10084M	10,5	M10	18	25	84	10	56	58	0,79
4137859	KM63TSSTC10109M	10,5	M10	18	25	109	10	81	83	0,86
4137860	KM63TSSTC10134M	10,5	M10	18	28	134	10	106	108	0,98
4137861	KM63TSSTC12059M	12,5	M12	21	24	59	10	31	33	0,72
4137862	KM63TSSTC12084M	12,5	M12	21	24	84	10	56	58	0,80
4137873	KM63TSSTC12109M	12,5	M12	21	28	109	10	81	83	0,93
4137874	KM63TSSTC12134M	12,5	M12	21	31	134	10	106	108	1,07
4137875	KM63TSSTC16059M	17,0	M16	29	33	59	10	31	33	0,81
4137876	KM63TSSTC16084M	17,0	M16	29	33	84	10	56	58	0,95
4137877	KM63TSSTC16109M	17,0	M16	29	33	109	10	81	83	1,10
4137878	KM63TSSTC16134M	17,0	M16	29	33	134	10	106	108	1,24



■ ST-KMTS

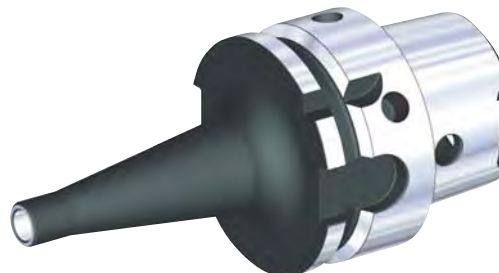
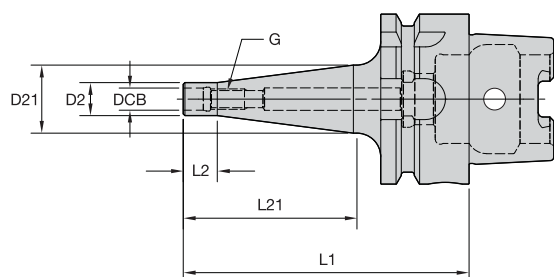
order number	catalogue number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4137836	KM80TSSTC12087M	12,5	M12	21	24	87	10	57	59	1,29
4137837	KM80TSSTC12137M	12,5	M12	21	28	137	10	107	109	1,50
4137838	KM80TSSTC12187M	12,5	M12	21	30	187	10	157	159	1,73
4137839	KM80TSSTC12237M	12,5	M12	21	32	237	10	207	209	1,99
4137840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



■ ST-HSK Form A

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4061374	HSK40AST06053M	6,5	M6	10	—	53	27	—	0,20
4061375	HSK40AST06078M	6,5	M6	10	20	78	10	50	0,26
4061376	HSK40AST06103M	6,5	M6	10	23	103	10	75	0,32
4061377	HSK40AST08053M	8,5	M8	13	15	53	10	25	0,22
4061378	HSK40AST08078M	8,5	M8	13	23	78	10	50	0,30
4061379	HSK40AST08103M	8,5	M8	13	23	103	10	75	0,34
4061380	HSK40AST08128M	8,5	M8	13	25	128	10	100	0,42
4061381	HSK40AST10053M	10,5	M10	18	20	53	10	25	0,25
4061382	HSK40AST10078M	10,5	M10	18	25	78	10	50	0,33
4061423	HSK40AST10103M	10,5	M10	18	28	103	10	75	0,44
4061424	HSK40AST10128M	10,5	M10	18	30	128	10	100	0,55
4061425	HSK40AST12053M	12,5	M12	21	24	53	10	25	0,27
4061426	HSK40AST12078M	12,5	M12	21	24	78	10	50	0,34
4061427	HSK40AST12103M	12,5	M12	21	31	103	10	75	0,50
4061428	HSK40AST12128M	12,5	M12	21	31	128	10	100	0,61

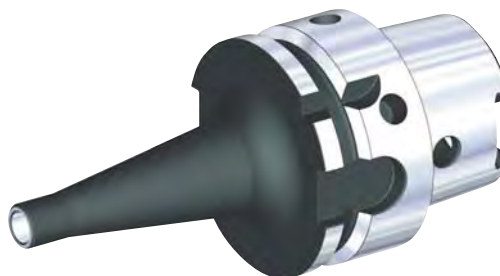
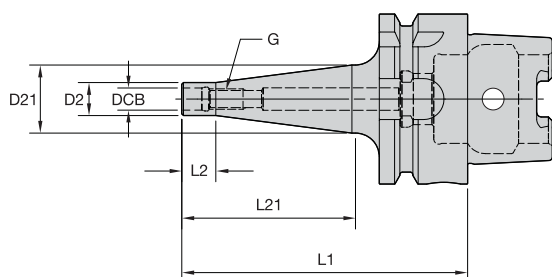
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■ ST-HSK Form A

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4061440	HSK50AST06059M	6,5	M6	10	10	59	10	25	0,39
4061441	HSK50AST06084M	6,5	M6	10	20	84	10	50	0,45
4061442	HSK50AST06109M	6,5	M6	10	23	109	10	75	0,51
4061443	HSK50AST08059M	8,5	M8	13	15	59	10	25	0,41
4061444	HSK50AST08084M	8,5	M8	13	23	84	10	50	0,48
4061445	HSK50AST08109M	8,5	M8	13	23	109	10	75	0,53
4061446	HSK50AST08134M	8,5	M8	13	25	134	10	100	0,60
4061447	HSK50AST10059M	10,5	M10	18	20	59	10	25	0,44
4061448	HSK50AST10084M	10,5	M10	18	25	84	10	50	0,53
4061449	HSK50AST10109M	10,5	M10	18	28	109	10	75	0,63
4061450	HSK50AST10134M	10,5	M10	18	30	134	10	100	0,74
4061451	HSK50AST12059M	12,5	M12	21	24	59	10	25	0,46
4061452	HSK50AST12084M	12,5	M12	21	24	84	10	50	0,53
4061453	HSK50AST12109M	12,5	M12	21	31	109	10	75	0,69
4061454	HSK50AST12134M	12,5	M12	21	31	134	10	100	0,79

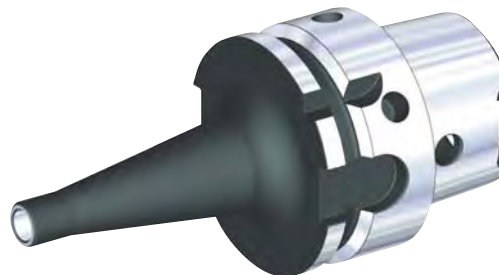
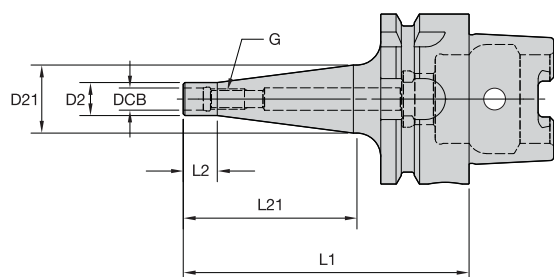
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■ ST-HSK Form A

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4061564	HSK63AST06059M	6,5	M6	10	10	59	10	25	0,65
4061565	HSK63AST06084M	6,5	M6	10	20	84	10	50	0,71
4061566	HSK63AST06109M	6,5	M6	10	23	109	10	75	0,77
4061567	HSK63AST08059M	8,5	M8	13	15	59	10	25	0,66
4061568	HSK63AST08084M	8,5	M8	13	23	84	10	50	0,74
4061569	HSK63AST08109M	8,5	M8	13	23	109	10	75	0,78
4061570	HSK63AST08134M	8,5	M8	13	25	134	10	100	0,85
4061571	HSK63AST10059M	10,5	M10	18	20	59	10	25	0,70
4061572	HSK63AST10084M	10,5	M10	18	25	84	10	50	0,78
4061573	HSK63AST10109M	10,5	M10	18	28	109	10	75	0,88
4061574	HSK63AST10134M	10,5	M10	18	30	134	10	100	1,00
4061575	HSK63AST12059M	12,5	M12	21	24	59	10	25	0,72
4061576	HSK63AST12084M	12,5	M12	21	24	84	10	50	0,78
4061577	HSK63AST12109M	12,5	M12	21	31	109	10	75	0,95
4061578	HSK63AST12134M	12,5	M12	21	31	134	10	100	1,05
4061579	HSK63AST16059M	17,0	M16	29	34	59	10	25	0,79
4061580	HSK63AST16084M	17,0	M16	29	34	84	10	50	0,94
4061581	HSK63AST16109M	17,0	M16	29	34	109	10	75	1,09
4061582	HSK63AST16134M	17,0	M16	29	39	134	10	100	1,35

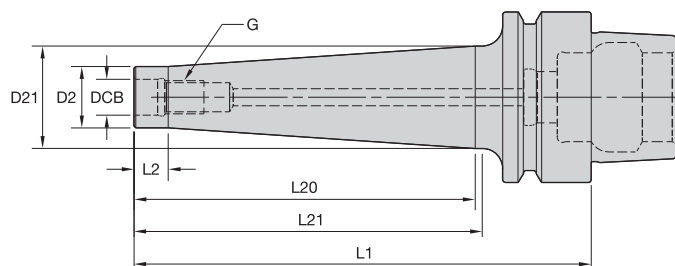
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■ **ST-HSK Form A**

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4061397	HSK100AST12087M	12,5	M12	21	24	87	10	50	2,13
4061398	HSK100AST12137M	12,5	M12	21	31	137	10	100	2,40
4061399	HSK100AST12187M	12,5	M12	21	31	187	10	150	2,57
4061400	HSK100AST12237M	12,5	M12	21	36	237	10	200	2,95
4061401	HSK100AST16087M	17,0	M16	29	31	87	10	50	2,24
4061402	HSK100AST16137M	17,0	M16	29	39	137	10	100	2,69
4061413	HSK100AST16187M	17,0	M16	29	39	187	10	150	3,02
4061414	HSK100AST16237M	17,0	M16	29	39	237	10	200	3,36

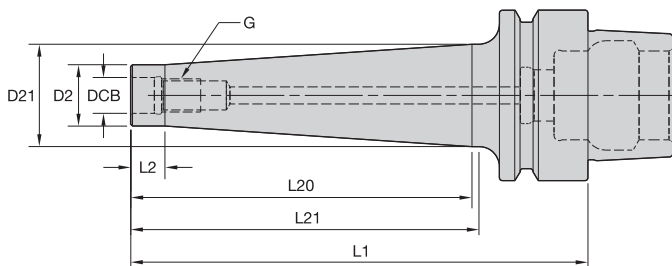
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■ **ST-HSK Form E**

order number	catalogue number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4061429	HSK40EST06053M	6,5	M6	10	—	53	27	—	—	0,22
4061430	HSK40EST06078M	6,5	M6	10	20	78	10	50	52	0,28
4061431	HSK40EST06103M	6,5	M6	10	23	103	10	75	77	0,33
4061432	HSK40EST08053M	8,5	M8	13	15	53	10	25	27	0,23
4061433	HSK40EST08078M	8,5	M8	13	23	78	10	50	52	0,31
4061434	HSK40EST08103M	8,5	M8	13	23	103	10	75	77	0,35
4061435	HSK40EST08128M	8,5	M8	13	25	128	10	100	102	0,42
4061436	HSK40EST10053M	10,5	M10	18	20	53	10	25	27	0,26
4061437	HSK40EST10078M	10,5	M10	18	25	78	10	50	52	0,35
4061438	HSK40EST10103M	10,5	M10	18	28	103	10	75	77	0,44
4061439	HSK40EST10128M	10,5	M10	18	30	128	10	100	102	0,55

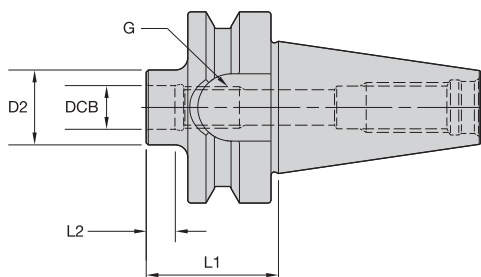
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ST-HSK Form E

order number	catalogue number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4062449	HSK50EST06059M	6,5	M6	10	—	59	27	—	—	0,42
4062450	HSK50EST06084M	6,5	M6	10	20	84	10	50	52	0,48
4062451	HSK50EST06109M	6,5	M6	10	23	109	10	75	77	0,54
4062452	HSK50EST08059M	8,5	M8	13	15	59	10	25	27	0,44
4062843	HSK50EST08084M	8,5	M8	13	23	84	10	50	52	0,51
4062844	HSK50EST08109M	8,5	M8	13	23	109	10	75	77	0,55
4062845	HSK50EST08134M	8,5	M8	13	25	134	10	100	102	0,63
4062846	HSK50EST10059M	10,5	M10	18	20	59	10	25	27	0,46
4062847	HSK50EST10084M	10,5	M10	18	25	84	10	50	52	0,55
4062848	HSK50EST10109M	10,5	M10	18	28	109	10	75	77	0,65
4062849	HSK50EST10134M	10,5	M10	18	30	134	10	100	102	0,75

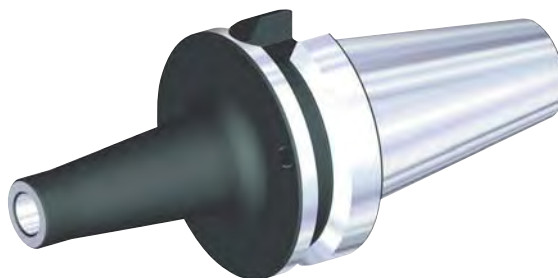
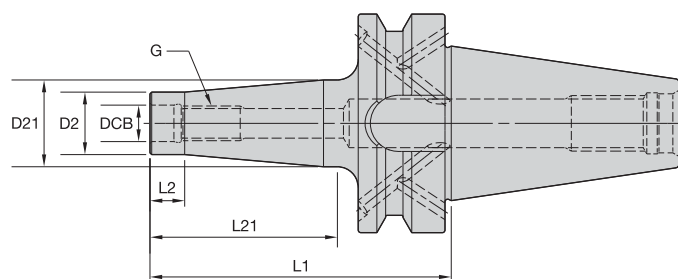
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ST-BT Form AD

order number	catalogue number	DCB	G	D2	L1	L2	kg
4070054	BT30ST06032M	6,5	M6	10	32	9	0,39
4070055	BT30ST08032M	8,5	M8	13	32	9	0,39
4070056	BT30ST10032M	10,5	M10	18	32	9	0,39
4070057	BT30ST12032M	12,5	M12	21	32	9	0,38

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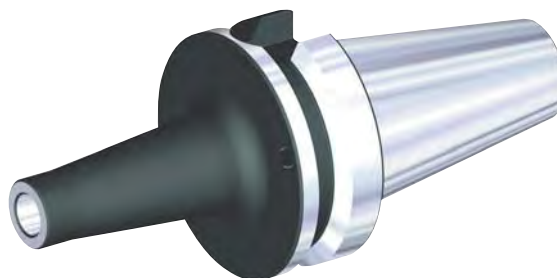
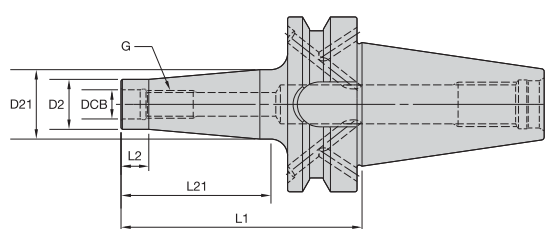


■ BT ST-Form B/AD

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4066159	BT40BST06047M	6,5	M6	10	—	47	14	—	0,94
4066160	BT40BST06067M	6,5	M6	10	13	67	10	34	0,96
4066161	BT40BST06087M	6,5	M6	10	20	87	10	54	1,01
4066162	BT40BST06107M	6,5	M6	10	23	107	10	74	1,06
4066303	BT40BST08047M	8,5	M8	13	—	47	14	—	0,95
4066304	BT40BST08067M	8,5	M8	13	15	67	10	34	0,99
4066305	BT40BST08087M	8,5	M8	13	23	87	10	54	1,04
4066306	BT40BST08107M	8,5	M8	13	23	107	10	74	1,07
4066307	BT40BST10047M	10,5	M10	18	—	47	14	—	0,98
4066308	BT40BST10067M	10,5	M10	18	20	67	10	34	1,02
4066309	BT40BST10087M	10,5	M10	18	25	87	10	54	1,07
4066310	BT40BST10107M	10,5	M10	18	28	107	10	74	1,20
4066311	BT40BST12047M	12,5	M12	21	—	47	14	—	0,98
4066312	BT40BST12067M	12,5	M12	21	24	67	10	34	1,04
4066313	BT40BST12087M	12,5	M12	21	24	87	10	54	1,10
4066314	BT40BST12107M	12,5	M12	21	31	107	10	74	1,25
4066315	BT40BST12127M	12,5	M12	21	31	127	10	94	1,32
4066316	BT40BST16047M	17,0	M16	29	—	47	14	—	1,01
4066317	BT40BST16067M	17,0	M16	29	—	67	34	—	1,10
4066318	BT40BST16087M	17,0	M16	29	34	87	10	54	1,25
4066319	BT40BST16107M	17,0	M16	29	34	107	10	74	1,36
4066320	BT40BST16127M	17,0	M16	29	39	127	10	94	1,58

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

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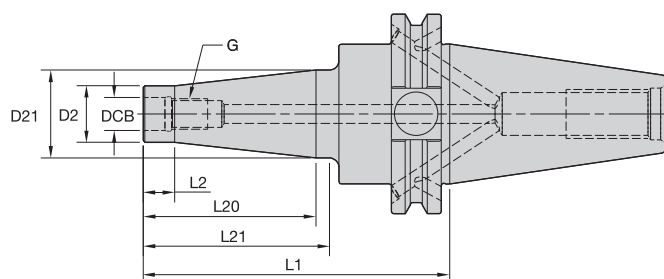


■ ST-BT Form B/AD

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4067906	BT50BST12087M	12,5	M12	21	24	87	10	43	3,67
4067907	BT50BST12137M	12,5	M12	21	31	137	10	93	3,97
4067908	BT50BST12187M	12,5	M12	21	39	187	10	143	4,34
4067909	BT50BST16087M	17,0	M16	21	34	87	10	43	3,79
4067910	BT50BST16137M	17,0	M16	29	39	137	10	93	4,11
4067911	BT50BST16187M	17,0	M16	29	39	187	10	143	4,53
4067912	BT50BST16237M	17,0	M16	29	49	237	10	193	5,40

Form AD					
Form B					
			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

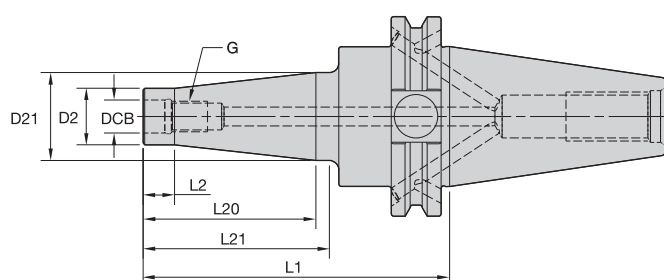
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■ ST-CV Form B/AD

order number	catalogue number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4073528	CV40BST06M228	6,5	M6	10	13	58	10	18	19	1,00
4073529	CV40BST06M386	6,5	M6	10	23	98	10	55	59	1,07
4073530	CV40BST08M228	8,5	M8	13	15	58	10	18	19	1,00
4073531	CV40BST08M386	8,5	M8	13	23	98	10	55	59	1,07
4073532	CV40BST10M228	10,5	M10	18	20	58	10	18	19	1,04
4073643	CV40BST10M386	10,5	M10	18	28	98	10	55	59	1,19
4073644	CV40BST12M228	12,5	M12	21	24	58	10	18	19	1,05
4073645	CV40BST12M386	12,5	M12	21	31	98	10	55	59	1,22
4073646	CV40BST16M228	17,0	M16	29	—	58	19	—	—	1,07
4073647	CV40BST16M386	17,0	M16	29	34	98	10	55	59	1,32

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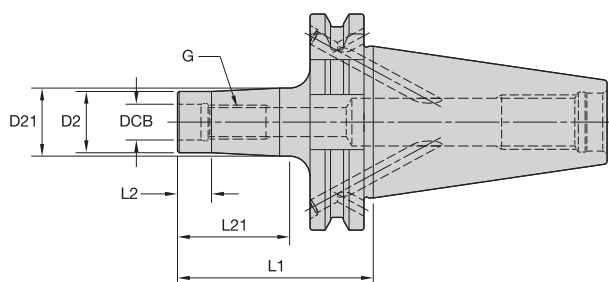


■ ST-CV Form B/AD

order number	catalogue number	DCB	G	D2	D21	L1	L2	L20	L21	kg
4073648	CV50BST12M343	12,5	M12	21	24	87	10	45	46	3,20
4073649	CV50BST12M539	12,5	M12	21	31	137	10	90	95	3,45
4073650	CV50BST12M736	12,5	M12	21	39	187	10	145	145	3,86
4073651	CV50BST16M343	17,0	M16	29	34	87	10	45	45	3,33
4073652	CV50BST16M539	17,0	M16	29	39	137	10	90	95	3,73
4073653	CV50BST16M739	17,0	M16	29	39	187	10	140	145	4,07
4073654	CV50BST16M933	17,0	M16	29	49	237	10	190	195	4,90

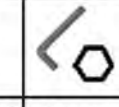
Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

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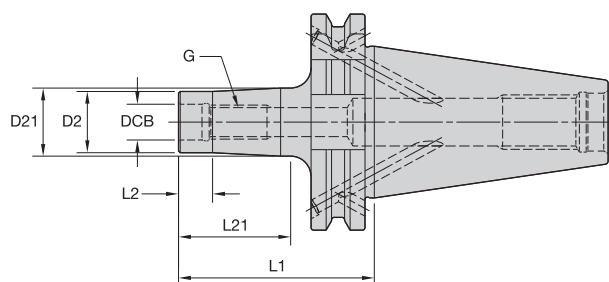


ST-DV Form B/AD

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4066108	DV40BST06038M	6,5	M6	10	—	38	13	—	0,82
4066109	DV40BST06058M	6,5	M6	10	13	58	10	33	0,80
4066110	DV40BST06078M	6,5	M6	10	20	78	10	53	0,85
4066111	DV40BST06098M	6,5	M6	10	23	98	10	73	0,90
4066112	DV40BST08038M	8,5	M8	13	—	38	13	—	0,82
4066123	DV40BST08058M	8,5	M8	13	15	58	10	33	0,81
4066124	DV40BST08078M	8,5	M8	13	23	78	10	53	0,88
4066125	DV40BST08098M	8,5	M8	13	23	98	10	73	0,91
4066126	DV40BST10038M	10,5	M10	18	—	38	13	—	0,83
4066127	DV40BST10058M	10,5	M10	18	20	58	10	33	0,87
4066128	DV40BST10078M	10,5	M10	18	25	78	10	53	0,91
4066129	DV40BST10098M	10,5	M10	18	28	98	10	73	0,99
4066130	DV40BST12038M	12,5	M12	21	—	38	13	—	0,83
4066131	DV40BST12058M	12,5	M12	21	24	58	10	33	0,88
4066132	DV40BST12078M	12,5	M12	21	24	78	10	53	0,91
4066133	DV40BST12098M	12,5	M12	21	31	98	10	73	1,05
4066134	DV40BST12118M	12,5	M12	21	31	118	10	93	1,12
4066135	DV40BST16038M	17,0	M16	29	—	38	13	—	0,86
4066136	DV40BST16058M	17,0	M16	29	—	58	33	—	0,95
4066137	DV40BST16078M	17,0	M16	29	34	78	10	53	1,09
4066138	DV40BST16098M	17,0	M16	29	34	98	10	73	1,20
4066139	DV40BST16118M	17,0	M16	29	39	118	10	93	1,42

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm

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ST-DV Form B/AD

order number	catalogue number	DCB	G	D2	D21	L1	L2	L21	kg
4067827	DV50BST12087M	12,5	M12	21	24	87	10	62	2,67
4067828	DV50BST12137M	12,5	M12	21	31	137	10	112	2,93
4067829	DV50BST12187M	12,5	M12	21	39	187	10	162	3,40
4067830	DV50BST16087M	17,0	M16	29	34	87	10	62	2,83
4067831	DV50BST16137M	17,0	M16	29	39	137	10	112	3,26
4067832	DV50BST16187M	17,0	M16	29	39	187	10	162	3,63
4067863	DV50BST16237M	17,0	M16	29	49	237	10	212	4,51

Form AD					
Form B			40	(2x) MS2221S	2,5mm
			50	(2x) MS1296S	3mm



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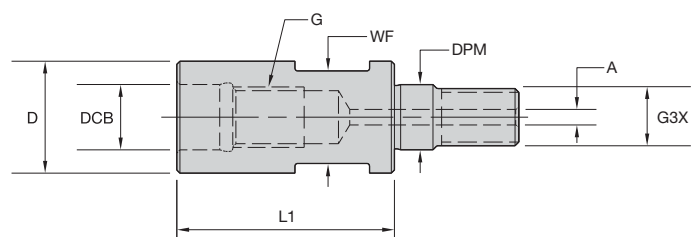
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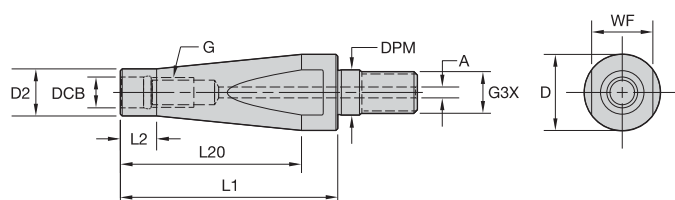
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ST Ext-ST

order number	catalogue number	DCB	G	DPM	G3X	D	A	L1	WF
4074158	M06MST06025M	6,5	M6	6,5	M6	10	2,0	25	7
4074159	M08MST08030M	8,5	M8	8,5	M8	13	2,0	30	10
4074160	M10MST10035M	10,5	M10	10,5	M10	18	2,5	35	15
4074161	M12MST12040M	12,5	M12	12,5	M12	21	3,0	40	17
4074162	M16MST16040M	17,0	M16	17,0	M16	29	4,0	40	22

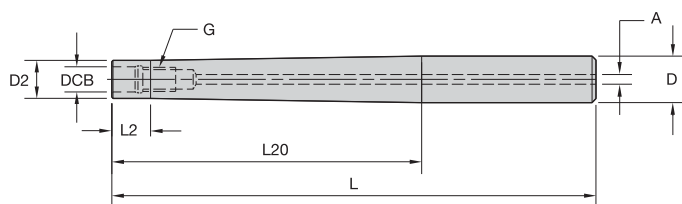
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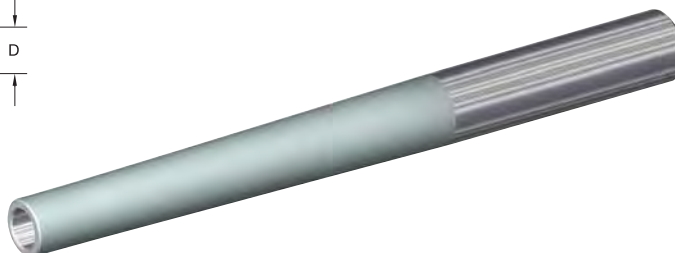
ST Red-ST

order number	catalogue number	DCB	G	DPM	G3X	D	D2	A	L1	L2	L20	WF
4077826	M08MST06025M	6,5	M6	8,5	M8	13	10	2,0	25	10	15	10
4077815	M10MST08030M	8,5	M8	10,5	M10	18	13	2,5	30	10	20	15
4077822	M12MST06080M	6,5	M6	12,5	M12	21	10	3,0	80	10	70	17
4077818	M12MST06040M	6,5	M6	12,5	M12	21	10	3,0	40	10	30	17
4077820	M12MST10035M	10,5	M10	12,5	M12	21	18	3,0	35	10	25	17
4077816	M12MST06060M	6,5	M6	12,5	M12	21	10	3,0	60	10	50	17
4077817	M12MST08080M	8,5	M8	12,5	M12	21	13	3,0	80	10	70	17
4077819	M12MST08060M	8,5	M8	12,5	M12	21	13	3,0	60	10	50	17
4077821	M12MST08040M	8,5	M8	12,5	M12	21	13	3,0	40	10	30	17
4077825	M16MST10060M	10,5	M10	17,0	M16	29	18	4,0	60	10	50	22
4074194	M16MST12040M	12,5	M12	17,0	M16	29	21	4,0	35	10	25	22
4074193	M16MST08060M	8,5	M8	17,0	M16	29	13	4,0	60	10	50	22
4077824	M16MST10080M	10,5	M10	17,0	M16	29	18	4,0	80	10	70	22
4077823	M16MST08080M	8,5	M8	17,0	M16	29	13	4,0	80	10	70	22

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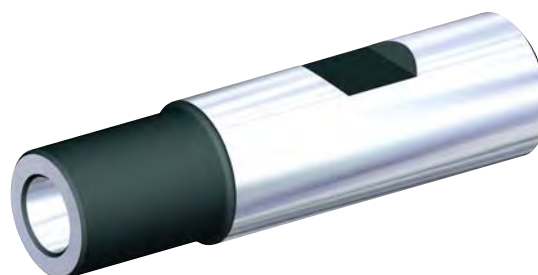
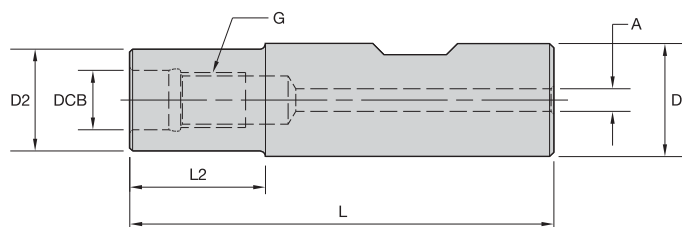
- Heavy metal for strength



ST Est-SS MM

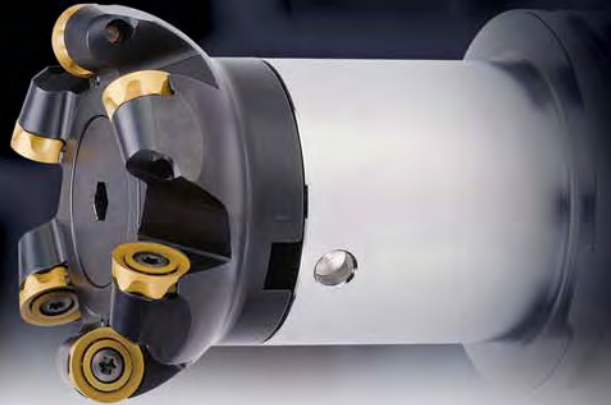
order number	catalogue number	DCB	G	D	D2	A	L	L2	L20
4160427	SS120STCHM06085M	6,5	M6	12	10	2,5	85	10	40
4160428	SS120STCHM06105M	6,5	M6	12	10	2,5	105	10	60
4160430	SS120STCHM06125M	6,5	M6	12	10	2,5	125	10	80
4160431	SS160STCHM08088M	8,5	M8	16	13	3,0	88	10	40
4160473	SS160STCHM08128M	8,5	M8	16	13	3,0	128	10	80
4160432	SS160STCHM08108M	8,5	M8	16	13	3,0	108	10	60
4160474	SS160STCHM08148M	8,5	M8	16	13	3,0	148	10	100
4160475	SS160STCHM08168M	8,5	M8	16	13	3,0	168	10	120
4160480	SS200STCHM10170M	10,5	M10	20	18	3,5	170	10	130
4160479	SS200STCHM10150M	10,5	M10	20	18	3,5	150	10	100
4160478	SS200STCHM10130M	10,5	M10	20	18	3,5	130	10	80
4160477	SS200STCHM10110M	10,5	M10	20	18	3,5	110	10	60
4160476	SS200STCHM10090M	10,5	M10	20	18	3,5	90	10	40

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ST Est-WN MM

order number	catalogue number	DCB	G	D	D2	A	L	L2
4074129	M06WST10060M	6,5	M6	10	10	2	60	19
4074131	M08WST16073M	8,5	M8	16	13	4	73	24
4074132	M10WST20080M	10,5	M10	20	18	4	75	24
4074153	M12WST25086M	12,5	M12	25	21	5	86	29
4074154	M16WST32095M	17,0	M16	32	29	6	95	34



KM4X™ • Next Generation KM™ Spindle Interface for Heavy-Duty Operations

Primary Application

KM4X is the latest version of the KM spindle interface targeted at heavy-duty machining operations and is a top choice for aggressive machining of large, structural components, like titanium aerospace structures.

These rotating and static tooling adaptors provide 3x more bending capability than comparable systems. Greater bending capacity enables the full utilisation of machine and cutting tools to increase productivity. KM4X also offers an increased metal removal rate to optimise machine performance and decrease manufacturing costs.

The KM4X can be requested on new machine tools or retrofitted to an existing machine to increase throughput without the need to purchase new equipment.

Features and Benefits

Application

- Heavy duty—rigid configuration.
- 3x more bending capability.
- Increased metal removal rates.
- Full utilisation of machine tools.
- Decreased manufacturing costs.
- Balanced-by-design for higher spindle speeds.

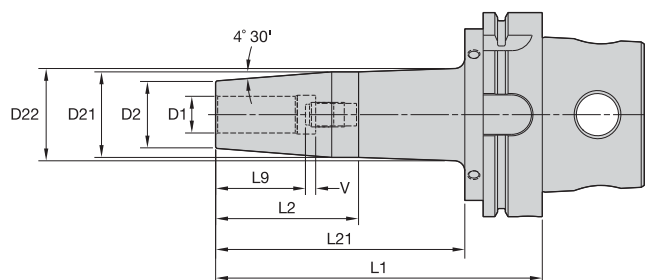
Design Advantages

- The new screw-on KM4X is designed for high stability.
- Universal design enables old-style tools to be used interchangeably with new styles and many competitor screw-on cutters and extensions.
- Clamping method utilises face contact to create a rigid connection.

The Latest Innovation in Spindle Interface Technology

- KM4X is the most rigid connection and can withstand extremely high bending moments due to a combination of high interference and high clamping forces.
- KM4X provides 3x more bending capacity than comparable face contact systems.
- KM is the only connection that can maintain stiffness at higher rotational speeds suitable for application ranges from low speeds/high torque to very high spindle speeds.
- KM4X has a better balance between bending and torsion capabilities.
- The ability to retrofit KM4X to an existing machine tool offers the added advantage of increasing throughput.





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

■ TT GP HPV MM-KM4X • Metric



order number	catalogue number	D1	D2	D21	D22	L1	L2	L9	L21	V	stop screw	wrench size- stop screw
4156046	KM4X100HPVTT06085M	6	21	27	—	85	56	26	—	10	TTSS05014M	2,5mm
4156047	KM4X100HPVTT06160M	6	21	27	32	160	50	26	122	10	TTSS05014M	2,5mm
4156048	KM4X100HPVTT08085M	8	21	27	—	85	56	26	—	10	TTSS06014M	3mm
4156049	KM4X100HPVTT08160M	8	21	27	32	160	50	26	122	10	TTSS06014M	3mm
4156050	KM4X100HPVTT10090M	10	24	32	—	90	61	31	—	10	TTSS08014M	4mm
4156051	KM4X100HPVTT10160M	10	24	32	36	160	63	31	122	10	TTSS08014M	4mm
4156052	KM4X100HPVTT12095M	12	24	32	—	95	66	36	—	10	TTSS10014M	5mm
4156113	KM4X100HPVTT12160M	12	24	32	36	160	63	36	122	10	TTSS10014M	5mm
4156114	KM4X100HPVTT14095M	14	27	34	—	95	66	36	—	10	TTSS10014M	5mm
4156115	KM4X100HPVTT14160M	14	27	34	38	160	57	36	122	10	TTSS10014M	5mm
4156116	KM4X100HPVTT16100M	16	27	34	—	100	71	39	—	10	TTSS12014M	6mm
4156117	KM4X100HPVTT16160M	16	27	34	38	160	57	39	122	10	TTSS12014M	6mm
4156118	KM4X100HPVTT18100M	18	33	42	—	100	71	39	—	10	TTSS12014M	6mm
4156119	KM4X100HPVTT18160M	18	33	42	46	160	69	39	122	10	TTSS12014M	6mm
4156120	KM4X100HPVTT20105M	20	33	42	—	105	76	41	—	10	TTSS16014M	8mm
4156121	KM4X100HPVTT20160M	20	33	42	46	160	69	41	122	10	TTSS16014M	8mm
4156122	KM4X100HPVTT25115M	25	44	53	—	115	86	47	—	10	TTSS16014M	8mm
4156123	KM4X100HPVTT25160M	25	44	53	57	160	69	47	122	10	TTSS16014M	8mm
4156124	KM4X100HPVTT32120M	32	44	53	—	120	91	51	—	10	TTSS16014M	8mm
4156125	KM4X100HPVTT32160M	32	44	53	57	160	69	51	122	10	TTSS16014M	8mm

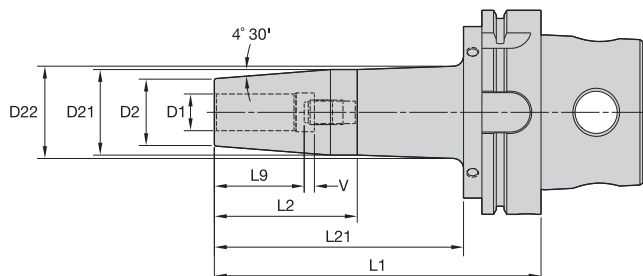
NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Supplied with stop screw.

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

Cutting Tool Shank Requirements
metric (ISO standard)

Cutting Tool Shank Diameter	Tolerance	
6	h6	0,000/-0,008
8 & 10	h6	0,000/-0,009
12, 14, 16, & 18	h6	0,000/-0,011
20 & 25	h6	0,000/-0,013
32, 40, & 50	h6	0,000/-0,016



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

■ TT GP HPV IN-KM4X • Inch



order number	catalogue number	D1	D2	D21	D22	L1	L2	L9	L21	V	stop screw	wrench size- stop screw
4155746	KM4X100HPVTT025335	1/4	0.83	1.06	—	3.35	2.21	1.02	—	0.39	TTSS05014M	2,5mm
4155747	KM4X100HPVTT025630	1/4	0.83	1.06	1.26	6.30	1.97	1.02	4.81	0.39	TTSS05014M	2,5mm
4155748	KM4X100HPVTT031335	5/16	0.83	1.06	—	3.35	2.21	1.02	—	0.39	TTSS06014M	3mm
4155749	KM4X100HPVTT031630	5/16	0.83	1.06	1.26	6.30	1.97	1.02	4.81	0.39	TTSS06014M	3mm
4155750	KM4X100HPVTT038354	3/8	0.95	1.24	—	3.54	2.40	1.22	—	0.39	TTSS08014M	4mm
4155751	KM4X100HPVTT038630	3/8	0.95	1.26	1.42	6.30	2.48	1.22	4.81	0.39	TTSS08014M	4mm
4155752	KM4X100HPVTT050374	1/2	0.95	1.26	—	3.74	2.60	1.42	—	0.39	TTSS10014M	5mm
4156153	KM4X100HPVTT050630	1/2	0.95	1.26	1.42	6.30	2.48	1.42	4.81	0.39	TTSS10014M	5mm
4156154	KM4X100HPVTT062394	5/8	1.06	1.34	—	3.94	2.80	1.54	—	0.39	TTSS12014M	6mm
4156155	KM4X100HPVTT062630	5/8	1.06	1.34	1.51	6.30	2.24	1.54	4.81	0.39	TTSS12014M	6mm
4156156	KM4X100HPVTT075413	3/4	1.30	1.65	—	4.13	2.99	1.61	—	0.39	TTSS16014M	8mm
4156157	KM4X100HPVTT075630	3/4	1.30	1.65	1.8	6.30	2.72	1.61	4.81	0.39	TTSS16014M	8mm
4156158	KM4X100HPVTT088413	7/8	1.30	1.65	—	4.13	2.99	1.61	—	0.39	TTSS16014M	8mm
4156159	KM4X100HPVTT088630	7/8	1.30	1.65	1.8	6.30	2.72	1.61	4.81	0.39	TTSS16014M	8mm
4156160	KM4X100HPVTT100453	1	1.73	2.08	—	4.53	3.39	1.85	—	0.39	TTSS16014M	8mm
4156161	KM4X100HPVTT100630	1	1.73	2.08	2.23	6.30	2.72	1.85	4.81	0.39	TTSS16014M	8mm
4156162	KM4X100HPVTT125472	1 1/4	1.73	2.08	—	4.72	3.59	2.01	—	0.39	TTSS16014M	8mm
4156163	KM4X100HPVTT125630	1 1/4	1.73	2.08	2.23	6.30	2.72	2.01	4.81	0.39	TTSS16014M	8mm
4156164	KM4X100HPVTT150531	1 1/2	2.36	2.75	—	5.31	4.18	2.01	—	0.39	TTSS20014M	10mm

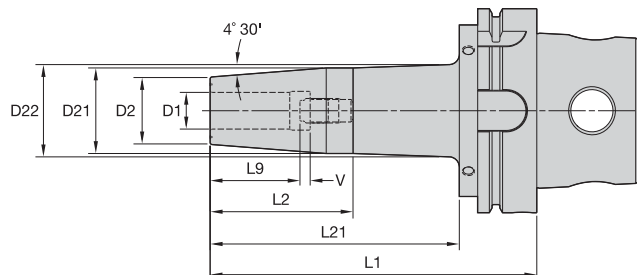
NOTE: Do not overheat. Overheating will destroy the accuracy and functionality of the toolholder.

Supplied with stop screw.

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

Cutting Tool Shank Requirements inch (industry standard)

Cutting Tool Shank Diameters	Tolerance
1/4, 5/16, & 3/8	-.0001/- .0004
7/16, 1/2, 9/16, 5/8, & 11/16	.0000/- .0004
3/4, 7/8, 1, 1-1/4, 1-1/2, & 2	.0000/- .0005



- 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.
- 10 kW power or greater shrink fit device must be used.

■ TT HT HPV MM-KM4X • Metric

order number	catalog number	D1	D2	D21	L1	L2	L9	V	stop screw	wrench size stop screw
4156182	KM4X100HPVTTH12095M	12	24	31,9	95	66	36	10	TTSS10014M	5mm
4156193	KM4X100HPVTTH14095M	14	27	33,9	95	66	36	10	TTSS10014M	5mm
4156194	KM4X100HPVTTH16100M	16	27	33,9	100	71	39	10	TTSS12014M	6mm
4156195	KM4X100HPVTTH18100M	18	33	41,9	100	71	39	10	TTSS12014M	6mm
4156196	KM4X100HPVTTH20105M	20	33	41,9	105	76	41	10	TTSS16014M	8mm
4156197	KM4X100HPVTTH25115M	25	44	52,9	115	86	47	10	TTSS16014M	8mm
4156198	KM4X100HPVTTH32120M	32	44	52,9	120	91	51	10	TTSS16014M	8mm

■ TT HT HPV IN-KM4X • Inch

order number	catalogue number	D1	D2	D21	D22	L1	L2	L9	L21	V	stop screw	wrench size stop screw
4156166	KM4X100HPVTTH050374	1/2	0.95	1.26	—	3.74	2.60	1.42	—	0.39	TTSS10014M	5mm
4156167	KM4X100HPVTTH050630	1/2	0.95	1.26	1.42	6.30	2.48	1.42	4.81	0.39	TTSS10014M	5mm
4156168	KM4X100HPVTTH062394	5/8	1.06	1.34	—	3.94	2.80	1.54	—	0.39	TTSS12014M	6mm
4156169	KM4X100HPVTTH062630	5/8	1.06	1.34	1.51	6.30	2.24	1.54	4.81	0.39	TTSS12014M	6mm
4156170	KM4X100HPVTTH075413	3/4	1.30	1.65	—	4.13	2.99	1.61	—	0.39	TTSS16014M	8mm
4156171	KM4X100HPVTTH075630	3/4	1.30	1.65	1.8	6.30	2.72	1.61	4.81	0.39	TTSS16014M	8mm
4156172	KM4X100HPVTTH088413	7/8	1.30	1.65	—	4.13	2.99	1.61	—	0.39	TTSS16014M	8mm
4156203	KM4X100HPVTTH088630	7/8	1.30	1.65	1.8	6.30	2.72	1.61	4.81	0.39	TTSS16014M	8mm
4156204	KM4X100HPVTTH100453	1	1.73	2.08	—	4.53	3.39	1.85	—	0.39	TTSS16014M	8mm
4156205	KM4X100HPVTTH100630	1	1.73	2.08	2.23	6.30	2.72	1.85	4.81	0.39	TTSS16014M	8mm
4156206	KM4X100HPVTTH125472	1 1/4	1.73	2.08	—	4.72	3.59	2.01	—	0.39	TTSS16014M	8mm
4156207	KM4X100HPVTTH125630	1 1/4	1.73	2.08	2.23	6.30	2.72	2.01	4.81	0.39	TTSS16014M	8mm
4156208	KM4X100HPVTTH150531	1 1/2	2.36	2.75	—	5.31	4.18	2.01	—	0.39	TTSS20014M	10mm

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

Supplied with stop screw.

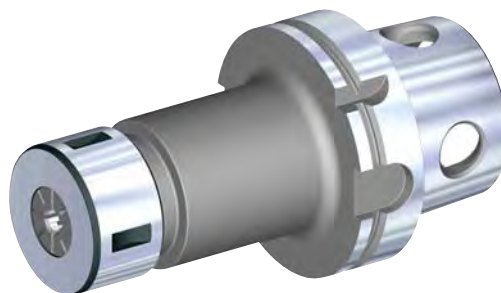
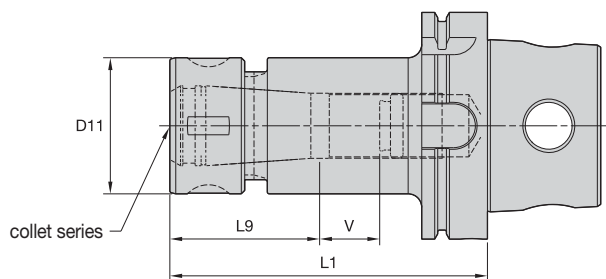
Optional M6~1.0P x 5 lg fine-balancing screw set (10 pieces) available. Order number: MS1276PKG. Must be ordered separately.

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, 40, & 50	h6 0,000/-0,016

Cutting Tool Shank Requirements
inch (industry standard)

Cutting Tool Shank Diameters	Tolerance
1/2 & 5/8	.0000/- .0004
3/4, 7/8, 1, 1-1/4, & 1-1/2	.0000/- .0005



- Tremendous Grip (3:1 advantage).

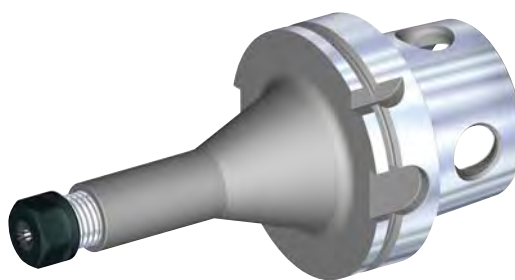
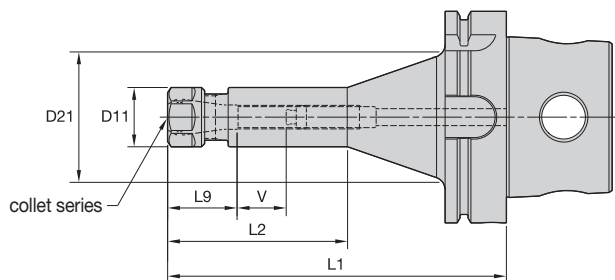
TG Round-KM4X



order number	catalogue number	collet series	D11	L1	L9	V	locknut	locknut wrench	Nm	stop screw	wrench size stop screw
4156445	KM4X100TG050105M	TG50	38	105	42	40	LNA050M	HSW34M	68	SS056041G	4mm & 5/32
4156446	KM4X100TG050160M	TG50	38	160	42	58	LNA050M	HSW34M	68	SS056041G	4mm & 5/32
4156447	KM4X100TG075120M	TG75	50	120	54	46	LNA075M	HSW45M	136	SS081041G	4mm & 5/32
4156448	KM4X100TG100140M	TG100	60	140	70	45	LNA100M	HSW58M	203	SS112041G	4mm & 5/32
4156449	KM4X100TG150165M	TG150	85	165	84	46	LNA150M	HSW80M	271	SS162062G	4mm & 5/32

NOTE: First, load collet into locknut. Before loading into the chuck body, insert cutting tool, then tighten to recommended tightening torque.
 Supplied with locknut and stop screw.
 Locknut wrench must be ordered separately.

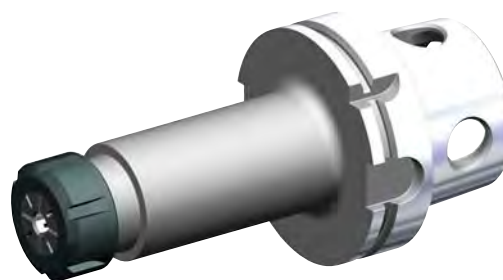
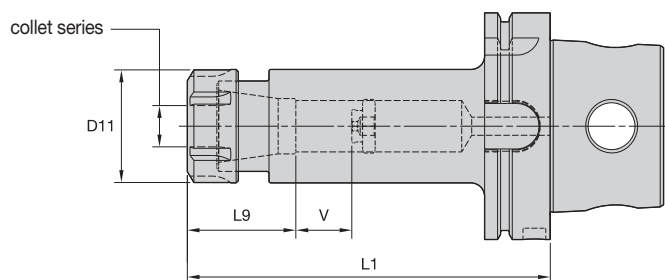
TG collet series	Collet Capacity			
	mm		inch	
	min	max	min	max
TG50	1,1	13,5	1/32	17/32
TG75	2,6	20,0	3/64	3/4
TG100	2,6	25,5	5/64	1
TG150	11,6	40,0	23/64	1-1/2



- Grip (2:1 advantage).

■ ER Hex-KM4X

order number	catalogue number	collet series	D11	D21	L1	L2	L9	V	locknut	locknut wrench	Nm	stop screw	wrench size stop screw
4159999	KM4X100ER16100M	ER16	28	—	100	—	32	53	LNHSER16M	OEW25M	56	SS044038G	4mm & 5/32
4160000	KM4X100ER16160M	ER16	28	60	160	85	32	68	LNHSER16M	OEW25M	56	SS044038G	4mm & 5/32
4160001	KM4X100ER20100M	ER20	34	—	100	—	36	35	LNHSER20M	OEW30M	80	SS056041G	4mm & 5.32

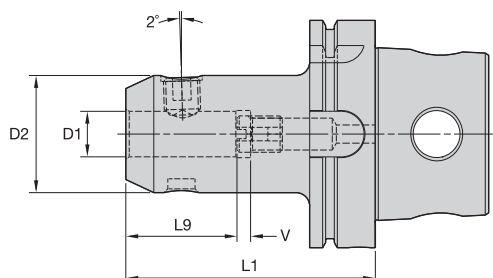


■ ER Round-KM4X

order number	catalogue number	collet series	D11	L1	L9	V	locknut	locknut wrench	Nm	stop screw	wrench size stop screw
4160002	KM4X100ER25100M	ER25	42	100	40	33	LSER25M	ER25WM	104	SS075041G	4mm & 5/32
4160043	KM4X100ER32100M	ER32	50	100	45	32	LSER32M	ER32WM	136	SS094041G	4mm & 5/32
4160044	KM4X100ER32160M	ER32	50	160	45	92	LSER32M	ER32WM	136	SS094041G	4mm & 5/32
4160045	KM4X100ER40120M	ER40	63	120	52	38	LSER40M	ER40WM	175	SS112041G	4mm & 5/32

NOTE: First, load collet into locknut. Before loading into the chuck body, insert cutting tool, then tighten to recommended tightening torque.
Supplied with locknut and stop screw.
Locknut wrench must be ordered separately.

ER collet series	Collet Capacity			
	mm	inch	min	max
ER16	0,5	10,0	.02	.41
ER20	0,5	13,0	.02	.50
ER25	1,0	16,0	.04	.63
ER32	2,0	20,0	.08	.81
ER40	3,0	26,0	.12	1.00



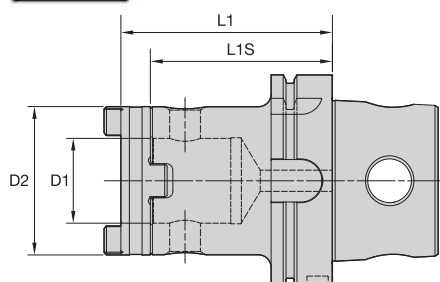
■ WN MM-KM4X • Metric

order number	catalogue number	D1	D2	L1	L9	V	clamp screw	wrench size clamp screw	Nm	stop screw	wrench size stop screw
4160047	KM4X100WN06090M	6	24,5	90	30	10	SS03M012	3mm	7	571.060	2,5mm
4160048	KM4X100WN08090M	8	27,5	90	30	10	SS03M014	4mm	15	571.067	3mm
4160049	KM4X100WN10090M	10	34,5	90	35	10	SS03M018	5mm	25	571.068	4mm
4160050	KM4X100WN12100M	12	41,5	100	40	10	SS03M023	6mm	35	571.074	5mm
4160051	KM4X100WN14100M	14	43,5	100	40	10	SS03M023	6mm	35	571.074	5mm
4160052	KM4X100WN16100M	16	47,5	100	43	10	SS03M025	6mm	50	571.069	6mm
4160073	KM4X100WN18100M	18	49,5	100	43	10	SS03M025	6mm	50	571.069	6mm
4160074	KM4X100WN20110M	20	51,5	110	45	10	SS03M026	8mm	95	571.076	6mm
4160075	KM4X100WN25120M	25	64,5	120	50	10	SS03M027	10mm	135	571.077	6mm
4160076	KM4X100WN32120M	32	71,5	120	54	10	SS03M029	10mm	160	571.077	6mm

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

Supplied with clamp screw and stop screw.

Clamp screw and stop screw wrench not included.



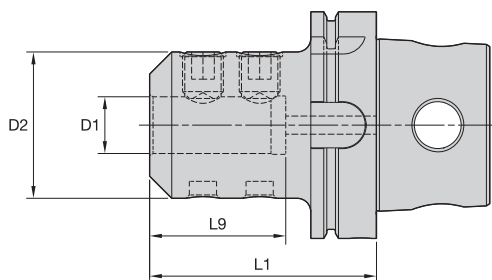
■ HTS-KM4X



order number	catalogue number	D1	D2	L1	L1S	clamp screw	hex wrench	drive ring	ft. lbs.
4159439	KM4X100HTS40085M	40	70	99	85	191.728	170.008	192.424	26
4159440	KM4X100HTS50090M	50	80	106	90	191.728	170.008	192.425	26

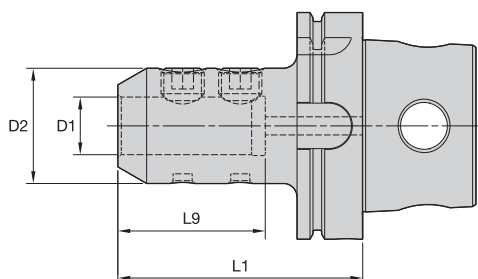
NOTE: Shipped with drive ring and clamping screw.

Assemble components using recommended torque values.



■ **EM MM-KM4X • Metric**

order number	catalogue number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	Nm
4160510	KM4X100EM06080M	6	24,5	80	52	SS03M012	3mm	7
4160511	KM4X100EM08080M	8	27,5	80	52	SS03M014	4mm	15
4160512	KM4X100EM10080M	10	34,5	80	52	SS03M018	5mm	25
4160533	KM4X100EM12080M	12	41,5	80	49	SS03M023	6mm	35
4160534	KM4X100EM14080M	14	43,5	80	49	SS03M023	6mm	35
4160535	KM4X100EM16100M	16	47,5	100	53	SS03M025	6mm	50
4160536	KM4X100EM18100M	18	49,5	100	53	SS03M025	6mm	50
4160537	KM4X100EM20100M	20	51,5	100	55	SS03M026	8mm	95
4160538	KM4X100EM25100M	25	64,5	100	60	SS03M027	10mm	135
4160539	KM4X100EM32100M	32	71,5	100	65	SS03M029	10mm	160
4160540	KM4X100EM40120M	40	89,5	120	75	SS03M032	10mm	160
4160541	KM4X100EM50130M	50	99,5	130	85	SS03M030	12mm	200



■ **EM IN-KM4X • Inch**

order number	catalogue number	D1	D2	L1	L9	clamp screw	wrench size clamp screw	ft. lbs.
4160518	KM4X100EM025300	1/4	1.000	3.000	1.89	ELS025025	1/8	8
4160519	KM4X100EM038300	3/8	1.000	3.000	1.89	ELS038031	3/16	15
4160520	KM4X100EM050325	1/2	1.375	3.250	1.97	ELS044038	7/32	20
4160521	KM4X100EM062375	5/8	1.625	3.750	2.09	ELS056050	1/4	40
4160522	KM4X100EM075375	3/4	1.750	3.750	2.22	ELS062050	5/16	70
4160573	KM4X100EM100425	1	2.000	4.250	2.46	ELS075056	3/8	110
4160574	KM4X100EM125425	1 1/4	2.500	4.250	2.51	ELS075062	3/8	110
4160575	KM4X100EM150450	1 1/2	2.750	4.500	2.93	ELS075069	3/8	110
4160576	KM4X100EM200550	2	3.750	5.500	3.53	ELS100088	1/2	150
4160577	KM4X100EM250575	2 1/2	4.188	5.750	3.63	ELS100088	1/2	150



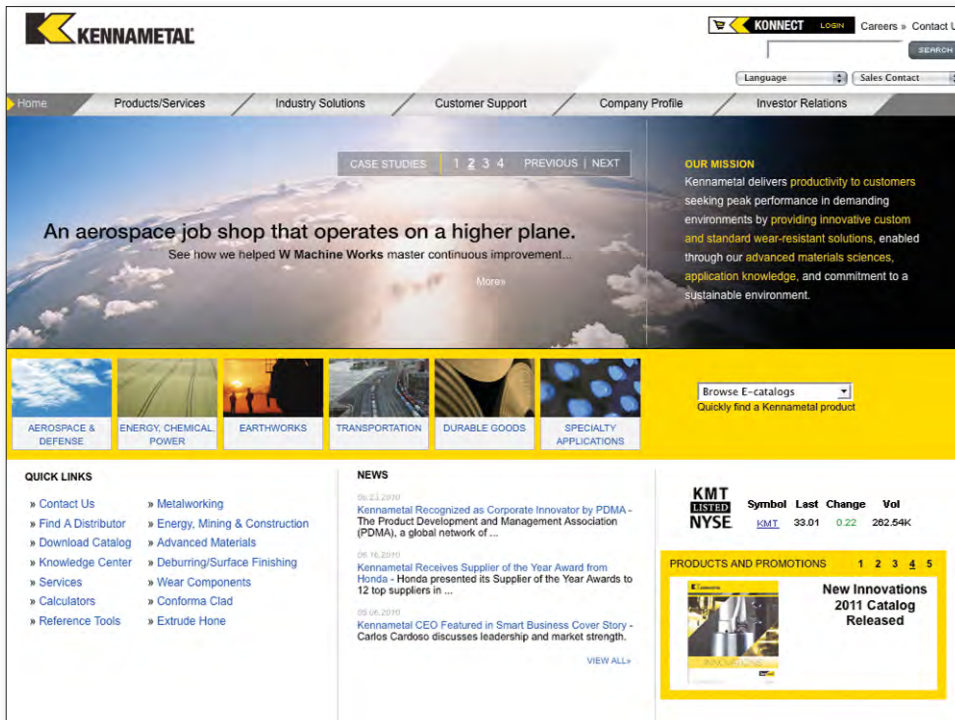
NOTE: Do not overtighten clamp screw; use torque recommendations above.

Supplied with clamp screw.

Clamp screw wrench not included.

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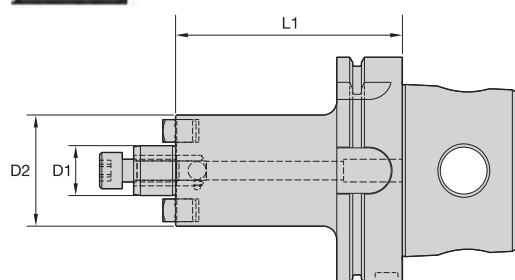
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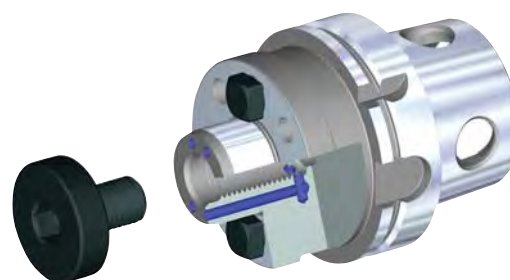
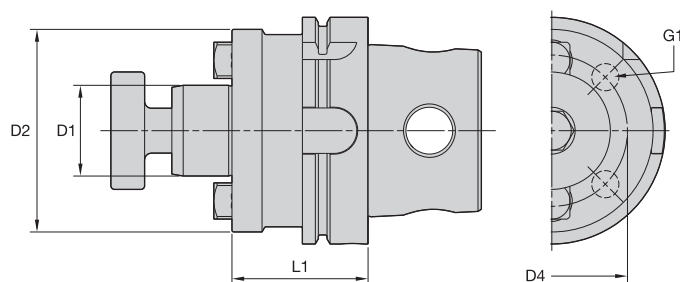
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■ SMC CAP MM-KM4X • Metric



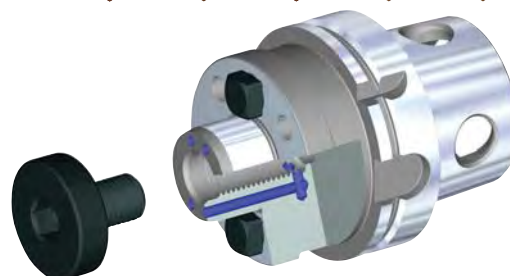
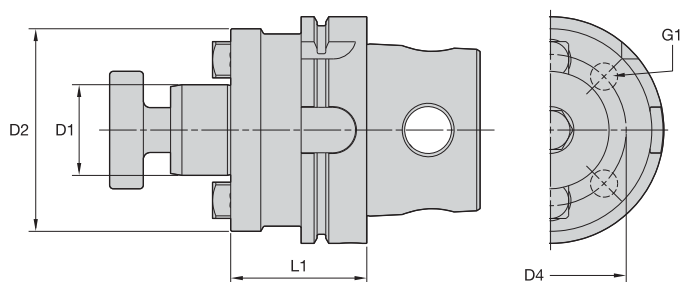
order number	catalogue number	D1	D2	L1	lock screw	wrench size lock screw
4160335	KM4X100SMC22050M	22	49	50	MS1234	8mm
4160337	KM4X100SMC22100M	22	49	100	MS1234	8mm
4160338	KM4X100SMC22160M	22	49	160	MS1234	8mm



■ SMC Lock MM-KM4X • Metric



order number	catalogue number	D1	D2	D4	G1	L1	lock screw	wrench size lock screw
4160340	KM4X100SMC27050M	27	60	—	—	50	KLSS27M	10mm
4160341	KM4X100SMC27100M	27	60	—	—	100	KLSS27M	10mm
4160342	KM4X100SMC27160M	27	60	—	—	160	KLSS27M	10mm
4160343	KM4X100SMC32050M	32	78	—	—	50	KLSS32M	14mm
4160344	KM4X100SMC32100M	32	78	—	—	100	KLSS32M	14mm
4160345	KM4X100SMC32160M	32	78	—	—	160	KLSS32M	14mm
4160346	KM4X100SMC40060M	40	89	67	M12x1,75	60	KLSS40M	17mm
4160347	KM4X100SMC40100M	40	89	67	M12x1,75	100	KLSS40M	17mm
4160348	KM4X100SMC40160M	40	89	67	M12x1,75	160	KLSS40M	17mm
4160350	KM4X100SMC50070M	50	98	—	—	70	KLS50M	SMW50M
4160351	KM4X100SMC50100M	50	98	—	—	100	KLS50M	SMW50M
4160352	KM4X100SMC50160M	50	98	—	—	160	KLS50M	SMW50M
4160353	KM4X100SMC60070M	60	129	102	M16x2,0	70	—	—
4160354	KM4X100SMC60100M	60	129	102	M16x2,0	100	—	—
4160355	KM4X100SMC60160M	60	129	102	M16x2,0	160	—	—

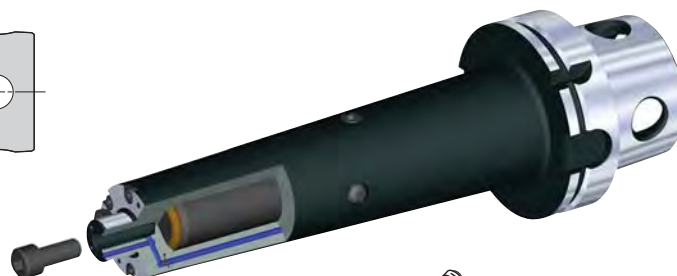
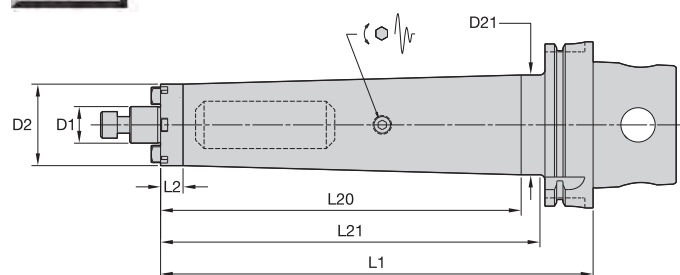


■ SMC Lock IN-KM4X • Inch



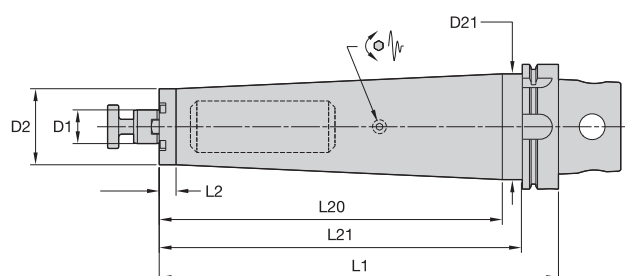
order number	catalogue number	D1	D2	D4	G1	L1	lock screw	wrench size lock screw
4160286	KM4X100SMC075400	3/4	1.75	—	—	4.00	KLS07	1/4
4160287	KM4X100SM2C075400	3/4	1.46	—	—	4.00	KLS07	1/4
4160289	KM4X100SMC075600	3/4	1.75	—	—	6.00	KLS07	1/4
4160290	KM4X100SM2C075600	3/4	1.46	—	—	6.00	KLS07	1/4
4160291	KM4X100SMC100400	1	2.75	—	—	4.00	KLS10	5/16
4160292	KM4X100SM2C100400	1	2.19	—	—	4.00	KLS10	5/16
4160313	KM4X100SMC100600	1	2.75	—	—	6.00	KLS10	5/16
4160314	KM4X100SM2C100600	1	2.19	—	—	6.00	KLS10	5/16
4160315	KM4X100SMC125400	1 1/4	2.88	—	—	4.00	KLS12	5/16
4160316	KM4X100SMC125600	1 1/4	2.88	—	—	6.00	KLS12	5/16
4160317	KM4X100SMC150400	1 1/2	3.81	—	—	4.00	KLS15	3/8
4160318	KM4X100SMC150600	1 1/2	3.81	—	—	6.00	KLS15	3/8
4160319	KM4X100SMC200400	2	4.88	4.00	5/8 - 11	4.00	KLS20	9/16
4160320	KM4X100SMC200600	2	4.88	4.00	5/8 - 11	6.00	KLS20	9/16
4160321	KM4X100SMC250400	2 1/2	4.88	4.00	5/8 - 11	4.00	—	1/2
4160322	KM4X100SMC250600	2 1/2	4.88	4.00	5/8 - 11	6.00	—	1/2

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



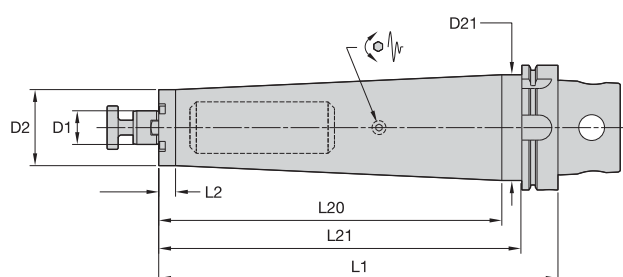
■ **SMC TD CAP MM-KM4X • Metric**

order number	catalogue number	D1	D2	D21	L1	L2	L20	L21	lock screw	wrench size lock screw
4169583	KM4X100TDSMC22260M	22	49	65	260	13,5	215	231	MS-1234	8mm



■ **SMC TD Lock MM-KM4X • Metric**

order number	catalogue number	D1	D2	D21	L1	L2	L20	L21	lock screw	wrench size lock screw
4169584	KM4X100TDSMC27320M	27	61	85	320	13,5	275	291	KLSS27M	10mm
4169585	KM4X100TDSMC32330M	32	78	—	330	299	—	—	KLSS32M	14mm

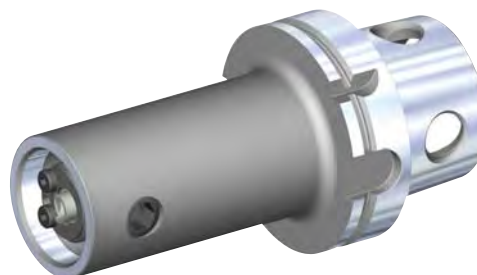
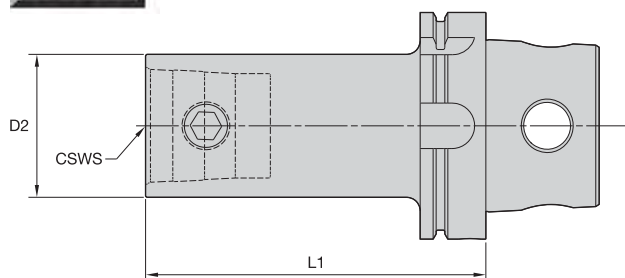


■ **SMC TD Lock IN-KM4X • Inch**

order number	catalogue number	D1	D2	D21	L1	L2	L20	L21	clamp screw	wrench size clamp screw
4169586	KM4X100TDSMC0751050	3/4	1.75	2.56	10.5	.53	8.73	9.24	KLS07	1/4
4169587	KM4X100TDSMC1001250	1	2.75	3.33	12.5	.53	10.73	11.36	KLS10	5/16
4169588	KM4X100TDSMC1251300	1 1/4	2.88	3.33	13	.63	11.23	11.86	KLS12	5/16



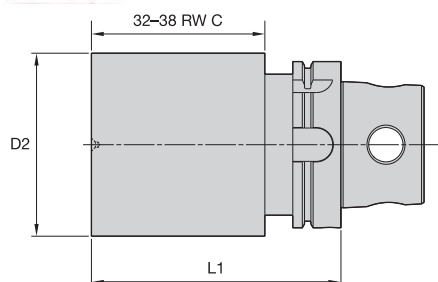
NOTE: Do not overtighten lock screw; use torque recommendations above.
Supplied with lock screw and drive keys.
Lock screw wrench not included.



■ KM-KM4X

order number	catalogue number	CSWS	D2	L1	spare parts package	wrench size actuation screw	Nm
4161856	KM4X100KM32075M	32	32	75	KM32PKGS	5mm	8 - 11
4161858	KM4X100KM40080M	40	40	80	KM40PKGS	6mm	12 - 16
4161859	KM4X100KM40100M	40	40	100	KM40PKGS	6mm	12 - 16
4161860	KM4X100KM40150M	40	40	150	KM40PKGS	6mm	12 - 16
4161861	KM4X100KM50100M	50	50	100	KM50PKGS	10mm	27 - 34
4161862	KM4X100KM50150M	50	50	150	KM50PKGS	10mm	27 - 34
4161863	KM4X100KM50200M	50	50	200	KM50PKGS	10mm	27 - 34
4161864	KM4X100KM63100M	63	63	100	KM63PKGS	12mm	47 - 54
4161865	KM4X100KM63150M	63	63	150	KM63PKGS	12mm	47 - 54
4161866	KM4X100KM63200M	63	63	200	KM63PKGS	12mm	47 - 54
4161867	KM4X100KM80100M	80	80	100	KM80PKGS	14mm	79 - 85
4161868	KM4X100KM80150M	80	80	150	KM80PKGS	14mm	79 - 85
4161869	KM4X100KM80200M	80	80	200	KM80PKGS	14mm	79 - 85

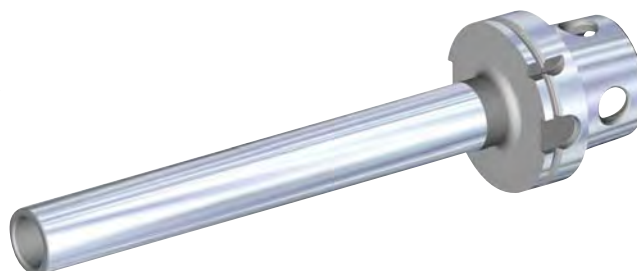
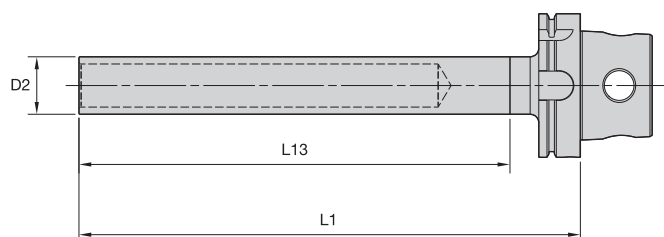
NOTE: Do not overtorque actuation screw; use torque recommendations above.
Supplied with KM actuation mechanism.



- Machinable front 32–38 RW C.

■ BB-KM4X

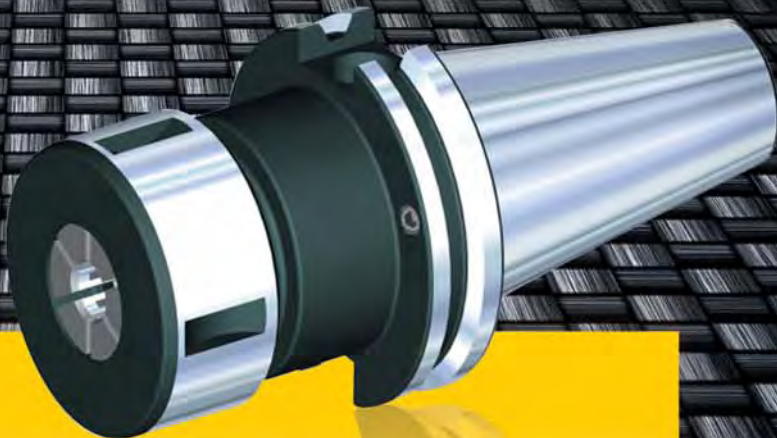
order number	catalogue number	D2	L1
4160571	KM4X100BN080150M	80	150
4160572	KM4X100BN110150M	110	150
4160613	KM4X100BN130200M	130	200



- For acceptance testing on machine tool spindles.
- 0,003mm (.0001") maximum TIR.
- Precision ground.

■ GB-KM4X

order number	catalogue number	D2	L1	L13
4160529	KM4X100GB40349M	40	349	330



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