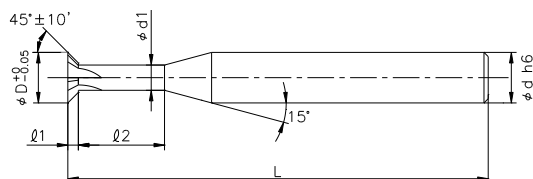
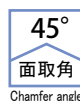


KUMC-4

超硬裏面取りカッター 片角タイプ Tungsten Carbide Chamfering Cutter Single Angular type

■直刃4枚刃、45° (片角) の裏面取りカッターです
Straight 4-blade, 45° (one-angle) back-surface cutter

■底刃付のため、溝加工も可能です
With a bottom blade, grooving is also possible



被削材 Workpiece					
一般構造鋼 General Structural Steel	炭素鋼 Carbon Steel	合金鋼・工具鋼 Alloy Steel Tool Steel	プリハードン鋼 Pre-Harden Steel	鋳鉄 Cast Iron	アルミ合金 Aluminum Alloy
○	○	○	○	○	○

●切削条件表はP242に記載

●Cutting conditions are recommended on page 242.

単位 [寸法: mm]

Unit [size: mm]

品番 Code No.	外径 D Flute Diameter	有効長 ℓ2 Effective Length	刃長 ℓ1 Flute Length	首径 d1 Neck Diameter	全長 L Total Length	柄径 d Shank Diameter
KUMC-445010S	1	3	0.12	0.65	50	4
KUMC-445010L	1	6	0.12	0.65	50	4
KUMC-445011S	1.1	3	0.15	0.7	50	4
KUMC-445011L	1.1	6	0.15	0.7	50	4
KUMC-445012S	1.2	3	0.17	0.75	50	4
KUMC-445012L	1.2	6	0.17	0.75	50	4
KUMC-445013S	1.3	3	0.2	0.8	50	4
KUMC-445013L	1.3	6	0.2	0.8	50	4
KUMC-445014S	1.4	3	0.2	0.9	50	4
KUMC-445014L	1.4	6	0.2	0.9	50	4
KUMC-445015S	1.5	4	0.2	1	50	4
KUMC-445015L	1.5	8	0.2	1	50	4
KUMC-445016S	1.6	4	0.25	1	50	4
KUMC-445016L	1.6	8	0.25	1	50	4
KUMC-445017S	1.7	4	0.3	1	50	4
KUMC-445017L	1.7	8	0.3	1	50	4
KUMC-445018S	1.8	4	0.3	1.1	50	4
KUMC-445018L	1.8	8	0.3	1.1	50	4
KUMC-445019S	1.9	4	0.3	1.2	50	4
KUMC-445019L	1.9	8	0.3	1.2	50	4
KUMC-445020S	2	5	0.4	1.1	50	4
KUMC-445020L	2	10	0.4	1.1	50	4
KUMC-445021S	2.1	5	0.4	1.2	50	4
KUMC-445021L	2.1	10	0.4	1.2	50	4
KUMC-445022S	2.2	5	0.4	1.3	50	4
KUMC-445022L	2.2	10	0.4	1.3	50	4
KUMC-445023S	2.3	5	0.4	1.4	50	4
KUMC-445023L	2.3	10	0.4	1.4	50	4
KUMC-445024S	2.4	5	0.4	1.5	50	4
KUMC-445024L	2.4	10	0.4	1.5	50	4

品番 Code No.	外径 D Flute Diameter	有効長 ℓ2 Effective Length	刃長 ℓ1 Flute Length	首径 d1 Neck Diameter	全長 L Total Length	柄径 d Shank Diameter
KUMC-445025S	2.5	6	0.5	1.4	50	4
KUMC-445025L	2.5	12	0.5	1.4	50	4
KUMC-445026S	2.6	6	0.5	1.5	50	4
KUMC-445026L	2.6	12	0.5	1.5	50	4
KUMC-445027S	2.7	6	0.5	1.6	50	4
KUMC-445027L	2.7	12	0.5	1.6	50	4
KUMC-445028S	2.8	6	0.5	1.7	50	4
KUMC-445028L	2.8	12	0.5	1.7	50	4
KUMC-445029S	2.9	6	0.5	1.8	50	4
KUMC-445029L	2.9	12	0.5	1.8	50	4
KUMC-445030S	3	8	0.6	1.7	50	4
KUMC-445030L	3	16	0.6	1.7	50	4
KUMC-445031S	3.1	8	0.6	1.8	50	4
KUMC-445031L	3.1	16	0.6	1.8	50	4
KUMC-445032S	3.2	8	0.6	1.9	50	4
KUMC-445032L	3.2	16	0.6	1.9	50	4
KUMC-445033S	3.3	8	0.6	2	50	4
KUMC-445033L	3.3	16	0.6	2	50	4
KUMC-445034S	3.4	8	0.6	2.1	50	4
KUMC-445034L	3.4	16	0.6	2.1	50	4
KUMC-445035S	3.5	9	0.7	2	50	4
KUMC-445035L	3.5	18	0.7	2	50	4
KUMC-445036S	3.6	9	0.7	2.1	50	4
KUMC-445036L	3.6	18	0.7	2.1	50	4
KUMC-445037S	3.7	9	0.7	2.2	50	4
KUMC-445037L	3.7	18	0.7	2.2	50	4
KUMC-445038S	3.8	9	0.7	2.3	50	4
KUMC-445038L	3.8	18	0.7	2.3	50	4
KUMC-445039S	3.9	9	0.7	2.4	50	4
KUMC-445039L	3.9	18	0.7	2.4	50	4

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品番 Code No.	外径 D Flute Diameter	有効長 ℓ2 Effective Length	刃長 ℓ1 Flute Length	首径 d1 Neck Diameter	全長 L Total Length	柄径 d Shank Diameter
KUMC-445040S	4	10	0.8	2.3	50	4
KUMC-445040L	4	20	0.8	2.3	60	4
KUMC-445041S	4.1	10	0.8	2.4	50	6
KUMC-445041L	4.1	20	0.8	2.4	60	6
KUMC-445042S	4.2	10	0.8	2.5	50	6
KUMC-445042L	4.2	20	0.8	2.5	60	6
KUMC-445043S	4.3	10	0.8	2.6	50	6
KUMC-445043L	4.3	20	0.8	2.6	60	6
KUMC-445044S	4.4	10	0.8	2.7	50	6
KUMC-445044L	4.4	20	0.8	2.7	60	6
KUMC-445045S	4.5	12	1	2.4	50	6
KUMC-445045L	4.5	24	1	2.4	60	6
KUMC-445046S	4.6	12	1	2.5	50	6
KUMC-445046L	4.6	24	1	2.5	60	6
KUMC-445047S	4.7	12	1	2.6	50	6
KUMC-445047L	4.7	24	1	2.6	60	6
KUMC-445048S	4.8	12	1	2.7	50	6
KUMC-445048L	4.8	24	1	2.7	60	6
KUMC-445049S	4.9	12	1	2.8	50	6
KUMC-445049L	4.9	24	1	2.8	60	6
KUMC-445050S	5	12	1.1	2.7	50	6
KUMC-445050L	5	24	1.1	2.7	60	6
KUMC-445051S	5.1	12	1.1	2.8	50	6
KUMC-445051L	5.1	24	1.1	2.8	60	6
KUMC-445052S	5.2	12	1.1	2.9	50	6
KUMC-445052L	5.2	24	1.1	2.9	60	6
KUMC-445053S	5.3	12	1.1	3	50	6
KUMC-445053L	5.3	24	1.1	3	60	6
KUMC-445054S	5.4	12	1.1	3.1	50	6
KUMC-445054L	5.4	24	1.1	3.1	60	6
KUMC-445055S	5.5	15	1.2	3	60	6
KUMC-445055L	5.5	30	1.2	3	70	6
KUMC-445056S	5.6	15	1.2	3.1	60	6
KUMC-445056L	5.6	30	1.2	3.1	70	6
KUMC-445057S	5.7	15	1.2	3.2	60	6
KUMC-445057L	5.7	30	1.2	3.2	70	6
KUMC-445058S	5.8	15	1.2	3.3	60	6
KUMC-445058L	5.8	30	1.2	3.3	70	6
KUMC-445059S	5.9	15	1.2	3.4	60	6
KUMC-445059L	5.9	30	1.2	3.4	70	6
KUMC-445060S	6	15	1.5	2.9	60	6
KUMC-445060L	6	30	1.5	2.9	70	6
KUMC-445065S	6.5	18	1.5	3.4	70	8
KUMC-445065L	6.5	35	1.5	3.4	80	8
KUMC-445070S	7	18	1.7	3.5	70	8
KUMC-445070L	7	35	1.7	3.5	80	8
KUMC-445075S	7.5	20	1.7	4	70	8
KUMC-445075L	7.5	40	1.7	4	80	8

[illegible]

KUMC-4、KUMW-4

切削条件参考

Referential Cutting Conditions

被削材 Workpiece	切削速度 Cutting Speed m/min	送り速度 Feed mm/rev
炭 素 工 具 鋼 Carbon Tool Steel	30～ 60	0.05 ～0.12
鋳 鉄 Cast Iron	30～ 80	0.05 ～0.12
合 金 鋼 Alloy Steel	25～ 70	0.03 ～0.08
プリハードン鋼 Pre-Harden Steel	15～ 40	0.02 ～0.06
ス テ ン レ ス Stainless Steel	20～ 50	0.025～0.06
銅 ・ 銅 合 金 Copper and Copper Alloy	25～ 80	0.05 ～0.1
チ タ ン 合 金 Titanium Alloy	15～ 30	0.02 ～0.05
ア ル ミ 合 金 Aluminum Alloy	50～100	0.05 ～0.15
樹 脂 Resin	50～120	0.1 ～0.2
備 考 Remarks	- 加工形状により切削速度、送り速度を調整して下さい。 - Adjust Revolution and Feed Speed at the same rate.	

超硬力ツター

Carbide
Cutter