

"KOSOKU" Precision Metal Cutters are powerful and efficient. Cutting surface is fine, free from burr or burnt and so precise as to save final finish. They are designed to be kind to environment with little noise and no dust, not giving off sparks and odor. Operation is simple and easy. Angle cutting is possible and with the use of gauge stopper, fixed length cutting is possible. Compared with cut-off wheel cutter, because repeated use of blade is possible, metal cutting is much more economical and as for time required, it requires only half the amount of that wheel cutter.

**Kosoku**

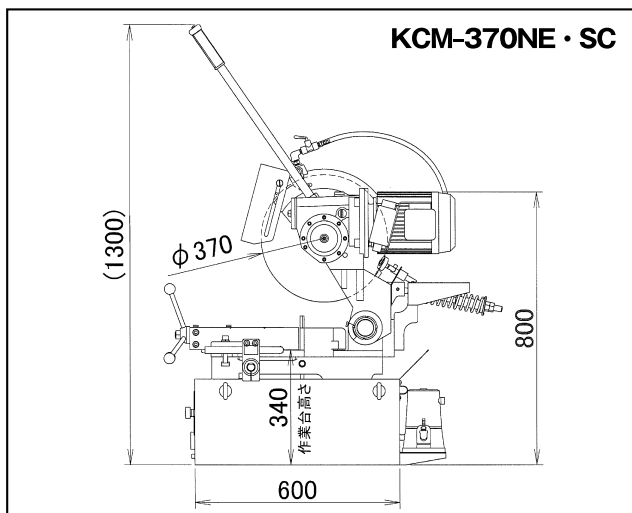
**KCM-370NE・SC**

**KCM-370NE・SC 60°**

**サブバイス別売**  
Sub-vise  
sold separately



**標準付属品 定寸ストッパー** トップランナーモーター採用  
Specifications Standard accessory Sizing stopper



**特長 Features:** Maximum cutting capabilities - Popular large cutter

**最大の切断能力**  
…評判の大型機種

1. Popular large cutter in the KCM series.
2. Extremely quiet cutting noise, capable of precision cutting. Easily cuts stainless steel.
3. Clean cuts without producing dust, sparks, or smells.
4. Choose the height when working with the low floor model.
5. Safe, good workability with low rotation speed.
6. Accurately set the cutting dimension from 0 to 850 mm with the sizing and cutting device's 1 mm scale.
7. Angled cutting up to 45° right and left can be accurately set with 1° marks on the guide plate.
8. Securely fasten the materials to be cut with the flexing prevention structure.
9. Saw blade support shaft is highly rigid making stable cutting work possible.
10. Prevents saw clogging with the unique chip remover.
11. Excellent operability with the switch on the side of the saw blade head.
12. Increase workability by using the sub-vise and machine table.

**最大切断寸法 Maximum cutting dimensions**

被切断材 Cut material	切断角度 Cutting angle	KCM-370NE・SC	KCM-370NE・SC 60°タイプ(type)	KCM-250B	KCM-275B
丸パイプ Round pipe	90°	φ120	φ120	φ80	φ90
	45°	φ120	φ75	φ76.3	φ80
	30°(60°)	—	φ50	—	—
アングル Angle	90°	130×130	100×100	75×75	80×80
	45°	100×100	75×75	65×65	75×75
	30°(60°)	—	75×45	—	—
チャンネル Channel	90°	150×100	100×100	110×60	—
	45°	125×65	75×75	75×40	—
	30°(60°)	—	75×45	—	—
角パイプ Square pipe	90°	125×100	100×100	110×60又は(or)75×75	—
	45°	100×100	75×75	75×40又は(or)60×60	—
	30°(60°)	—	75×45	—	—
丸棒 Round rod	90°	φ80炭素鋼	φ80炭素鋼	φ50炭素鋼	—
	45°	φ65炭素鋼	φ65炭素鋼	φ40炭素鋼	—
	30°(60°)	—	φ50炭素鋼	—	—

炭素鋼… carbon steel rod

**切断コスト・スピード Cutting cost/speed**

項目 Item	φ305砥石切断機 φ305 wheel cutter	KCM-370NE・SC	KCM-250B・275B
カット数 Cuts	砥石1枚当たり 31カット 31 cuts per wheel	砥石1回目立て当たり 1,250カット 1,250 cuts per saw blade honing	砥石1回目立て当たり 620カット 620 cuts per saw blade honing
切断可能面積 Cuttable area	砥石1枚当たり 31×8.04 ≒250cm <sup>2</sup> 31 x 8.04 = 250cm <sup>2</sup> per wheel	砥石1回目立て当たり 1,250×8.04 ≒10,000cm <sup>2</sup> 1,250 x 8.04 = 10,000cm <sup>2</sup> per saw blade honing	砥石1回目立て当たり 620×8.04 ≒5,000cm <sup>2</sup> 620 x 8.04 = 5,000cm <sup>2</sup> per saw blade honing
1カット当たりの切断時間 Cutting time per cut	≒40sec Approx. 40 seconds	≒10sec Approx. 10 seconds	≒20sec Approx. 20 seconds

注① 被切断材=φ32丸棒(SS41B)、断面積8.04cm<sup>2</sup> 注② 砥石目立て可能回数…砥石1枚につき約20回  
Note 1: Cut material=φ32 rod (SS41B), cut area 8.04 cm<sup>2</sup> Note 2: One saw blade can be honed 20 times

●上表の加工数、および砥石標準価格・砥石目立て費用を総合した1カット当たりの切断コストは、砥石切断機と比較して、約1/3～1/5と大幅に安くなります。  
●1カット当たりの切断時間を砥石切断機と比較すると、約1/2となり、大幅に短縮されます。

The number of cuts and the cutting cost per cut that combines the standard grinding wheel cost and the blade honing expenses is much cheaper, around 1/3 to 1/5 when compared to wheel cutters. The cutting time per cut is greatly reduced at around 1/2 when compared to wheel cutters.

型式 Model	KCM-370NE・SC	KCM-370NE・SC60°	KCM-250B	KCM-275B
モーター Motor	3相200V 1.5kw 50/60Hz	3-phase 200 V 1.5 kW 50/60 Hz	3相200V 0.4kw 50/60Hz	3-phase 200 V 0.4 kW 50/60 Hz
鋸刃回転数 Saw blade speed	18/22min <sup>-1</sup>		36/44min <sup>-1</sup>	
定寸ストッパー Sizing stopper	0～850mm	0 to 850 mm	0～500mm	0 to 500 mm
角度切断 Angle cutting	左右90°～45° Left/right 90° to 45°	左45°～右60° Left 45° to right 60°	左右90°～45°	Left/right 90° to 45°
クーラントポンプ Coolant pump	3相200V 出力40W 50/60Hz	3-phase 200 V output 40 W 50/60 Hz	3相200V 出力40W 50/60Hz	3-phase 200 V output 40 W 50/60 Hz
クーラントタンク容量 Coolant tank capacity	約25リットル	Approx. 25 liters	約8リットル	Approx. 8 liters
切削液 Cutting fluid	本機専用切削液を水で約20倍に希釈して使用	Use dedicated cutting fluid for this machine diluted in water around 20 times	本機専用切削液を水で約20倍に希釈して使用	Use dedicated cutting fluid for this machine diluted in water around 20 times
鋸刃寸法 Saw blade dimensions	φ370×φ45×1 3.0(2.5)mm		φ250×φ32×1 2.0	φ275×φ45×1 2.0
フランジ寸法 Flange dimensions	P.C.Dφ66-φ10×4		P.C.Dφ50-φ8×2	P.C.Dφ66-φ10×2
機械寸法 Machine dimensions	(幅)700×(奥行)985×(高さ)1300mm	W700 x H1300 x D985 mm	(幅)485×(奥行)670×(高さ)720mm	W485 x H720 x D670 mm
質量 Weight	約250kg	Approx. 250 kg	約95kg	Approx. 95 kg
付属品 Accessories	専用切削液(1L容器入) メタルソー 1枚 片口スパナ 27mm 六角レンチ 5mm 8mm 10mm 専用ブラシ、接地型3P 20Aプラグ 各1個	Dedicated cutting fluid (1 l container) Metal saw 1 Single-ended wrench 27 mm Hex wrench 5 mm, 8 mm, 10 mm Dedicated brush, grounded 3-pin 20 A plug 1 each	専用切削液(1L容器入) メタルソー 1枚 片口スパナ 24mm 六角レンチ 6mm 接地型3P 20Aプラグ 各1個	Dedicated cutting fluid (1 l container) Metal saw 1 Single-ended wrench 24 mm Hex wrench 6 mm Grounded 3-pin 20 A plug 1 each