RBH®



2023

STABLELINE® 減震系列

減震搪孔系列 Damped tools for BORING
減震銑刀系列 Damped tools for MILLING
減震車刀系列 Damped tools for TURNING

產品簡介 General Information

鉅錡公司所推出應用**STABLELINE**®技術的SLBK系列減震搪刀桿、SCBH、SRBHLA系列減震搪孔頭、SLT/WSLT系列減震車刀桿、FMH系列減震銑刀桿，是專為長懸伸的加工情況所特製的減震刀具。特殊的專利減震結構有別於市面上的他牌同質產品，可吸收軸向與徑向震動，可更有效達到減震效果與更深長的加工效能，以及更佳的加工表面精度。
公司所設之減震產品實驗室可針對客戶需求做出對應方案，提供特殊減震刀具之訂製服務。

The SLBK series damped boring holder, SCBH, SRBHLA series damped boring head, SLT/WSLT series damped turning holder and FMH series damped milling arbor are designed with a damping system using **STABLELINE**® vibration-free technique specially for severe cutting conditions such as long overhangs and deep cavities operations. The unique patented damping system inside the tool body minimizes vibration, performs superior accuracy and surface finishes.

The **STABLELINE**® Lab is set up to research and develop tailored solutions to fulfill the most demanding needs of worldwide **STABLELINE**® product users.

SLBK, SCBH, SRBHLA, FMH系列使用注意事項與維護 Notice of Operations & Maintenance

1. 檢查機床主軸，主軸跳動量，磨損情況和拉刀機構的夾緊力。
2. 良好的主軸錐度咬合面及拉力夾緊力是避免震動的基礎。
3. 工具機主軸需保持清潔，主軸孔與端面碰傷部分需清除。刀桿裝在主軸上旋轉，偏擺需維持在0.03 mm以內，超長刀柄需在0.05 mm內；當主軸偏擺過大，會造成減震器失效，所以只能在主軸旋轉精度良好的機床上才適用減震搪孔刀桿或減震銑刀桿。
4. 在無干涉狀況下選擇最大柄徑的刀桿和最短的基礎刀桿。
   範例一：BT50-FMH27-400-D58柄徑是Ø58，如果選用BT50-FMH27-400-D74，柄徑是Ø74，不僅刀桿剛性變好，較大柄徑可裝入更大減震器，減震效果更好。
   範例二：假如要精搪Ø70的孔，選用SCBH68搭配BT50-LBK6刀桿，會比使用SCBH52搭配BT50-LBK5刀桿呈現更好的減震效果和懸伸長。
5. 減震產品內部有橡膠製品，加工時需有切削液輔助降低工件與刀桿溫度。
6. 減震產品長時間不使用時應直立放置，在收藏前需用壓縮空氣將內部的切削液清理乾淨，擦拭後上油保養，避免潮濕生鏽。
7. 當組裝減震刀桿時，應小心地正確鎖緊刀體，確保不會損壞減震刀桿。由於減震刀桿壁較薄，因此減震刀桿不能夾持、敲擊、拆解、撞機，以上狀況均會導致減震功能喪失。
   - 檢查並確認所有單元都以正確的扭矩正確組裝。
   - 組裝刀片和刀具時，請務必使用扭矩板手按照推薦扭矩鎖緊螺絲。
   - 裝配之前清潔所有要裝配的零件。
   - 每年至少一次用潤滑油擦拭所有裝配零件。
   - 定期潤滑用於精搪的精搪調整機構。
8. 所有減震刀具都只能正轉使用，如需反轉則需另行訂製。







1. Operator must check machine spindle runout, spindle wear, and tool clamping force prior to operations.
2. Proper contact surface on spindle taper and sufficient tool clamping force leads to minimized vibration.
3. Keep machine spindle clean at all times. Scratches appeared on surfaces of spindle cone and spindle nose must be removed. Test tool run-out while the tool is loaded on spindle, measurand should be within 0.03 mm for ordinary tool length and 0.05 mm for overlength tooling. When spindle run-out value exceeds the rated accuracy range will cause the damper system malfunctioned. Most considerations of successful operations are however the same, such as workpiece set-up and machine/spindle stability. Make the most out of your milling and boring operations with STABLELINE® tools.
4. It is essential to select the largest possible tool size and to minimize the overhang under interference-free condition to obtain the best stability and accuracy.
   e.g. 1: Selecting BT50-FMH27-400-D74 instead of BT50-FMH27-400-D58. By integrating larger damping device with bigger tool diameter performs better rigidity and cutting results.
   e.g. 2: For Ø70 mm fine boring process, using SCBH68 with BT50-LBK6 offers better performance and achieve longer overhangs than using SCBH52 with BT50-LBK5.
5. The damper system inside the tool consists of a heavy mass, supported by rubber elements. Coolant supply while cutting will be needed to prevent the tool from overheating.
6. Clean the residual coolant out of the STABLELINE® tools by using compressed air, tools must be coated with anti-rust oil and should be set upright and proper packing during long idle time.
7. Be cautious and precise while assembling the damped tools. Do not clamp, knock, disassemble, collide at the tool body.
   - Applying correct torque while handling tool assemblies.
   - Using torque wrench to give proper torque according to instructions while handling tools and inserts assemblies.
   - Keep all parts clean prior to assembly.
   - Refill lubricant regularly is required for fine boring adjusting device.
8. All STABLELINE® tools are designed for CW rotation. In case of CCW rotation is required, please contact the manufacturer.

SLT, WSLT系列減震車刀柄使用注意事項與維護 Notice of Operations & Maintenance

1. 減震車刀桿固定於車床刀塔上或專用刀座上需使用兩方向的固定螺絲鎖緊，或使用剖開式的專用刀座以全圓周包緊的方式固定車刀，另外小徑減震車刀可搭配減震車刀套筒使用。
2. 減震車刀有建議夾持長度，夾持太短有可能減少減震效果，但也不能夾持太長而壓迫到減震器，使用時需特別注意。
3. 加工深度10D以上，需注意排屑是否順暢，切削液能否及時供應。
4. 深孔加工可分段做擴孔加工，最後再做一次精修，以利於切屑的排除。
5. WSLT車刀桿與減震部件是焊接而成，不能用在大切深的加工， 加工餘量多的工件，應分多次進刀車削，以分散作用於刀桿的切削應力。



6. 減震車刀桿長久不使用時，需將內部殘留的切削液用壓縮空氣清除乾淨，待風乾後在表面擦防銹油，套袋直立放置。
7. SLTC80以上大徑減震車刀桿本體和減震桿可以分拆開，當長久不使用時，照前列方式清潔保養，桿身放回原本木箱放置，車刀頭置於專用木箱直立放置。
8. SLTC80以上大徑減震車刀在機床上長時間加工使用時，可搭配平衡桿，可使得機床鞍座運轉更順暢，避免受力不均，進而影響機床鞍座磨損而減損機床精度

1. Damped turning tool is mounted on machine turret or boring bar holder with two locking screws from two directions, or in some cases it is mounted on a split boring bar holder with all-round-clamping method. The small diameter damped turning tools can go with dedicated turning tool sleeves.
2. Tool holding length for each of the STABLELINE® turning tools is recommended in respective instructions. It will have negative impacts on damping system if the tool holding length is not proper set.
3. For turning operations at overhangs reaching 10xD and longer sizes, coolant supply for chip evacuation should be considered.
4. Deep hole turning operations using stepped machining to evacuate chips easily.
5. WSLT turning holder and damper device is a combined structure. Step machining and reduce depth of cut should be considered when dealing with severe machining conditions.
6. Clean the residual coolant out of the STABLELINE® tools by using compressed air, tools must be coated with anti-rust oil and should be set upright and proper packing during long idle time.
7. SLTC80 and larger sizes damped turning tool is combined with tool body and STABLELINE® bar. If left unused for a long period, please follow procedures listed as per notice above. Set STABLELINE® bar upright , store the tool body and STABLELINE® bar respectively in their dedicated wooden cases.
8. Balancing device is recommended to use while cutting with SLTC80 and larger sizes damped turning tools. It improves dynamic stability of the slideway and boosts both tool and spindle life.



SLTC80 以上大徑減震車刀 - 減震端
Demper section of SLTC80+ damped turning tool



剖開式車刀座夾持減震車刀
Damped turning tool clamped with split boring bar holder

減震機構實現穩定性與高效率加工品質
STABLELINE® is your best partner in machining stability, efficiency and quality.

產品目錄 Index


P5
SCBH減震
微調精搪頭系列
SCBH Damped Fine Boring Head


P6-7
RBT-LBK刀柄+SCBH減震微調精搪頭
RBT-LBK Holder to SCBH Damped Fine Boring Head
HSK-LBK刀柄+SCBH減震微調精搪頭
HSK-LBK Holder to SCBH Damped Fine Boring Head


P8
SRBHLA減震
雙刃粗搪頭系列
SRBHLA Twin-Edge
Damped Rough Boring Head


P9-10
RBT-LBK刀柄+SRBHLA減震雙刃粗搪頭
RBT-LBK Holder to SRBHLA Twin-Edge Damped Rough Boring Head
HSK-LBK刀柄+SRBHLA減震雙刃粗搪頭
HSK-LBK Holder to SRBHLA Twin-Edge Damped Rough Boring Head


P11
SLBK減震延長桿系列
SLBK Damped Extension Bar
LBK-FMH減震延長桿系列
LBK-FMH Damped Extension Bar


P12
RBT-LBK刀柄+SLBK減震延長桿+精搪頭
RBT-LBK Holder to SLBK Damped Extension Bar and Fine Boring Head
HSK-LBK刀柄+SLBK減震延長桿+精搪頭
HSK-LBK Holder to SLBK Damped Extension Bar and Fine Boring Head


P13
RBT-LBK刀柄+LBK-FMH減震銑刀延長桿
RBT-LBK Holder to SLBK Damped Extension Bar and Fine Boring Head
HSK-LBK刀柄+LBK-FMH減震銑刀延長桿
HSK-LBK Holder to SLBK Damped Extension Bar and Fine Boring Head


P14
LBK異徑接桿+SCBH減震精搪頭
LBK Extension+SCBH Damped fine Boring Head
LBK異徑接桿+SRBHLA減震雙刃粗搪頭
LBK Extension+SRBHLA Twin-Edge Damped Rough Boring Head


P15-16
RBT-SCBH整體式減震精搪刀
RBT-SCBH Integrated Damped Fine Boring Tool
RBT-SRBHLA整體式減震粗搪刀
RBT-SRBHLA Integrated Twin-Edge Damped Rough Boring Tool


P17-18
直柄整體式鎢鋼精、粗搪刀
Tungsten Steel Finish / Rough Boring Tool
直柄整體式鎢鋼減震精、粗搪刀
Tungsten Steel Finish / Rough Boring Tool


P19
RBT-SLBK減震搪刀桿
RBT-SLBK Damped Boring Bar


P20
RBT-SLBK減震搪刀桿
+ RBHLA雙刃粗搪頭
RBT-SLBK Damped Boring Bar to
RBHLA Twin-Edge Rough Boring Head


P21
RBT-SLBK減震搪刀桿
+ CBH精密微調搪頭
RBT-SLBK Damped Boring Bar
to CBH Fine Boring Head


P22
RBT-SLBK減震搪刀桿 +
CBM精密微調搪頭
RBT-SLBK Damped Boring Bar
to CBM Fine Boring Head


P23
LBK減震異徑微調精搪頭
LBK Integrated Modular
Damped Fine Boring Tool


P24
RBT刀桿+LBK減震
異徑微調精搪頭
RBT Holder to LBK Integrated
Modular Damped Fine Boring Tool



P25

SK刀桿+LBK減震
異徑微調精搪頭
SK Holder to LBK Integrated
Modular Damped Fine Boring Tool



P26

HSK刀桿+LBK減震
異徑微調精搪頭
HSK Holder to LBK Integrated
Modular Damped Fine Boring Tool



P27

LBK減震異徑粗搪頭
LBK Integrated Modular
Damped Rough Boring Tool



P28

RBT刀桿+LBK減震異徑粗搪頭
RBT Holder to LBK Integrated
Modular Damped Rough Boring Tool



P29

SK刀桿+LBK減震異徑粗搪頭
SK Holder to LBK Integrated
Modular Damped Rough Boring Tool



P30

HSK刀桿+LBK減震異徑粗搪頭
HSK Holder to LBK Integrated
Modular Damped Rough Boring Tool



P31-32

RBT-FMH減震面銑刀桿系列
RBT-FMH Series Damped Milling Tool
HSK-FMH減震面銑刀桿系列
HSK-MFH Series Damped Milling Tool



P33-34

RBT-SNER減震銑刀桿系列
RBT-SNER Series Damped Milling Tool
HSK-SNER減震銑刀桿系列
HSK-SNER Series Damped Milling Tool



P35

SLT減震車刀桿+快換式LT車刀頭
/減震大徑直柄車刀桿
SLT Damped Turning Holder Series
with Quick Change Turning Head



P36

鎢鋼減震直柄車刀桿
WSLT Damped Tungsten
Steel Turning Holder



P37-39

LT12, LT16, LT20, LT25車刀頭系列
LT12, LT16, LT20, LT25
Turning Head Series



P40-42

LT32, LT40, LT50車刀頭系列
LT32, LT40, LT50
Turning Head Series



P44

P43

減震車刀中心校正台+減震車刀套筒系列
Tool Setter for Damped Turning Tool+Damped Turning Tool Sleeve Series



P45

PSC-FMH減震面銑刀桿
PSC-FMH Series Damped Milling Tool
PSC-SNER減震銑刀桿系列
PSC-SNER Series Damped Milling Tool



P46

PSC-SCBH減震微調精搪頭系列
PSC-SCBH Damped Fine Boring Head Series
PSC-SRBHLA減震雙刃粗搪頭系列
PSC-SRBHLA Twin-Edge Damped Rough Boring Head
PSC-SLT減震直柄車刀桿+快換式LT車刀頭
PSC-SLT Damped Turning Holder Series with Quick Change LT Type Turning Head

SCBH減震微調精搪頭系列 SCBH Damped Fine Boring Head

專利產品 Patent Products

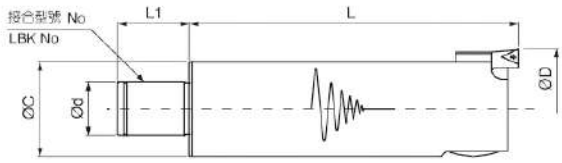
特 色

1. 減震器與搪孔頭的結合，一體式的結構，當搪孔加工時可與一般同型號的LBK刀桿任意組合，而得到更大的加工有效長與更好的加工表面精度。
2. 具有多種規格，自Ø20~Ø310均可搭配使用，SCBH32以上規格均具有中心出水功能。
3. 本產品使用雙邊對稱定位接合，可使減震效果更好。
4. 本產品應用在加工深度為柄徑的4~8倍長效果最好。
5. SCBH減震搪孔頭與SLBK減震延長桿+CBH搪頭相比較，SCBH減震搪孔頭可使用更高的切削進給，得到更好的加工效率。

Features

1. By integrating STABLELINE® technology into the boring head makes its robust one-piece structure, and is to be equipped with suitable LBK holders. This gives you longer-reach and excellent surface finishes for your boring operations.
2. Boring range from Ø20 mm up to Ø310mm in standard assortment. SCBH32 boring heads and above are available with internal coolant supply.
3. High rigidity through a bilateral symmetric fit between the heads and holders and large clamping screws, ensures the best possible damping performance.
4. The SCBH damped boring heads are ideal for successful boring operations at overhangs reaching from 4 up to 8 times bar diameter.
5. SCHB damped boring heads optimize cutting speed and feed, offering higher productive machining compared to combination of SLBK damped holders and CHB boring heads.





規 格Specifications:

型號 Type	接合型號 LBK No.	搪孔範圍 ØD(mm) Boring Range	搪頭長度 L(mm)	L1 (mm)	ØC (mm)	Ød (mm)	刀片規格 Insert	重量 (kg) Weight
SCBH20-90	LBK1	20-26	90	13	19	11	TP08	0.22
SCBH25-90	LBK2	25-33	90	16	24	14		0.39
SCBH32-100	LBK3	32-42	100	20	31	18	TP08 TP09 TC09 TC11 CC06	0.71
SCBH40-120	LBK4	40-55	120	24	39	22		1.47
SCBH52-140	LBK5	52-75	140	30	50	28		2.72
SCBH68-175	LBK6	68-100	175	40	64	36	TP08 TP09 TP11 TC11 CC09	5.70
SCBH75-225	LBK74	75-102	225	45	74	46		10.40
SCBH100-225	LBK7	100-152	225	50	88	58		12.93
SCBH100-325			325					16.83
SCBH100-425			425					20.62
SCBH150-225		150-202	225					14.60
SCBH150-325			325					18.50
SCBH150-425			425					22.29
SCBH200-310		200-310	310					17.60

※SCBH20、SCBH25無中心出水 ※W/O coolant thru. for SCBH20、SCBH25

RBT-LBK刀柄+SCBH減震微調精搪頭

RBT-LBK Holder to SCBH Damped Fine Boring Head



HSK-LBK刀柄+SCBH減震微調精搪頭

HSK-LBK Holder to SCBH Damped Fine Boring Head





RBT-LBK+SCBH

規格Specifications:

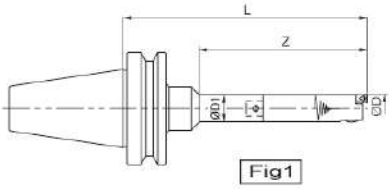


Fig1

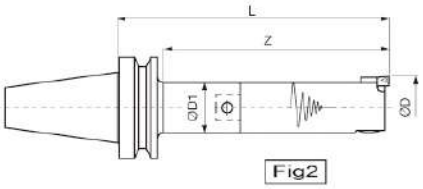


Fig2

刀 桿 LBK Holder	減震微調精搪頭 Boring Head	Fig	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總 長 L (mm)	刀桿外徑 ØD1 (mm)	重 量 Weight (kg)
RBT40-LBK1-075	SCBH20-90	2	20-26	130	165	19	1.22
RBT40-LBK1-090				145	180		1.29
RBT40-LBK1-105				160	195		1.42
RBT40-LBK2-085	SCBH25-90		25-33	140	175	24	1.49
RBT40-LBK2-100				155	190		1.54
RBT40-LBK2-115				170	205		1.74
RBT40-LBK3-095	SCBH32-100		32-42	160	195	31	1.91
RBT40-LBK3-125				190	225		2.21
RBT40-LBK3-155				220	255		2.41
RBT40-LBK4-085	SCBH40-120		40-55	170	205	39	2.77
RBT40-LBK4-130				215	250		3.27
RBT40-LBK4-175				260	295		3.64
RBT40-LBK5-075	SCBH52-140		52-75	180	215	50	4.02
RBT40-LBK5-125				230	265		5.02
RBT40-LBK5-175				280	315		5.72
RBT40-LBK6-065	SCBH68-175		68-100	205	240	64	7.14
RBT40-LBK6-115				255	290		8.29
RBT40-LBK6-165				305	340		9.18
RBT50-LBK1-115	SCBH20-90	1	20-26	130	205	31/19	4.22
RBT50-LBK1-145				160	235		4.32
RBT50-LBK2-125	SCBH25-90		25-33	155	215	39/24	4.29
RBT50-LBK2-155				185	245		4.39
RBT50-LBK3-125	SCBH32-100	2	32-42	180	225	31	4.81
RBT50-LBK3-155				210	255		4.91
RBT50-LBK3-200				255	300		5.01
RBT50-LBK4-115	SCBH40-120		40-55	190	235	39	5.77
RBT50-LBK4-145				220	265		5.87
RBT50-LBK4-175				250	295		6.27
RBT50-LBK4-215				290	335		6.37
RBT50-LBK4-255				330	375		6.77
RBT50-LBK5-105	SCBH52-140		52-75	200	245	50	7.22
RBT50-LBK5-140				235	280		7.72
RBT50-LBK5-180				275	320		8.22
RBT50-LBK5-240				335	380		8.92
RBT50-LBK5-305				400	445		7.68
RBT50-LBK6-075	SCBH68-175		68-100	205	250	64	10.00
RBT50-LBK6-125				255	300		11.20
RBT50-LBK6-170				300	345		11.84
RBT50-LBK6-230				360	405		13.16
RBT50-LBK6-290				420	465		14.70
RBT50-LBK6-350				480	525		16.50
RBT50-LBK6-400				530	575		18.00
RBT50-LBK74-300	SCBH75-225		75-102	480	525	74	19.25
RBT50-LBK74-350				530	575		20.44
RBT50-LBK74-400				580	625		21.65
RBT50-LBK74-450				630	675		22.82
RBT50-LBK74-500				680	725		24.39
RBT50-LBK74-550				730	775		25.97
RBT50-LBK74-600				780	825		27.51
RBT50-LBK7-300	SCBH100-225		100-152	480	525	88	22.93
RBT50-LBK7-350				530	575		24.93
RBT50-LBK7-400				580	625		26.93
RBT50-LBK7-450				630	675		30.02
RBT50-LBK7-500				680	725		31.63
RBT50-LBK7-550				730	775		33.25
RBT50-LBK7-600				780	825		34.62
RBT50-LBK7-300	SCBH150-225		150-202	480	525		24.60
RBT50-LBK7-350				530	575		26.60
RBT50-LBK7-400				580	625		28.60
RBT50-LBK7-450				630	675		31.69
RBT50-LBK7-500				680	725		33.30
RBT50-LBK7-550				730	775		34.93
RBT50-LBK7-600				780	825		36.28
RBT50-LBK7-300	SCBH200-310		200-310	565	610		27.60
RBT50-LBK7-350				615	660		29.60
RBT50-LBK7-400				665	710		31.60
RBT50-LBK7-450				715	760		34.70
RBT50-LBK7-500				765	810		36.60
RBT50-LBK7-550				815	860		38.00
RBT50-LBK7-600				865	910		39.35



HSK-LBK+SCBH

規 格Specifications:

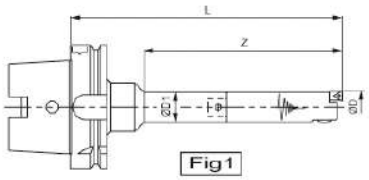


Fig1

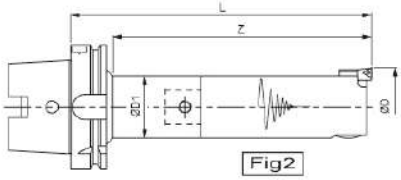


Fig2

刀 桿 LBK Holder	減震微調精搪頭 Boring Head	Fig	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總 長 L (mm)	刀桿外徑 ØD1 (mm)	重 量 Weight (kg)
HSK-A63-LBK1-075	SCBH20-90	2	20-26	130	165	19	1.04
HSK-A63-LBK1-090				145	180		1.07
HSK-A63-LBK1-105				160	195		1.10
HSK-A63-LBK2-085	SCBH25-90		25-33	140	175	24	1.30
HSK-A63-LBK2-100				155	190		1.35
HSK-A63-LBK2-115				170	205		1.40
HSK-A63-LBK3-095	SCBH32-100		32-42	160	195	31	1.77
HSK-A63-LBK3-125				190	225		1.92
HSK-A63-LBK3-155				220	255		2.07
HSK-A63-LBK4-085	SCBH40-120		40-55	170	205	39	2.67
HSK-A63-LBK4-130				215	250		3.02
HSK-A63-LBK4-175				260	295		3.36
HSK-A63-LBK5-075	SCBH52-140		52-75	185	215	50	4.03
HSK-A63-LBK5-125				235	265		4.69
HSK-A63-LBK5-175				285	315		5.32
HSK-A63-LBK6-070	SCBH68-175		68-100	215	245	64	7.05
HSK-A63-LBK6-115				260	290		8.00
HSK-A63-LBK6-165				310	340		9.14
HSK-A100-LBK1-115	SCBH20-90	1	20-26	130	205	31/19	2.52
HSK-A100-LBK1-145				160	235		2.57
HSK-A100-LBK2-125	SCBH25-90		25-33	155	215	39/24	2.82
HSK-A100-LBK2-155				185	245		2.91
HSK-A100-LBK3-125	SCBH32-100		32-42	180	225	45/31	3.24
HSK-A100-LBK3-155				210	255		3.39
HSK-A100-LBK3-200				255	300		3.59
HSK-A100-LBK4-115	SCBH40-120	2	40-55	200	235	39	4.14
HSK-A100-LBK4-145				230	265		4.33
HSK-A100-LBK4-175				260	295		4.57
HSK-A100-LBK4-215				300	335		4.87
HSK-A100-LBK4-255				340	375		5.17
HSK-A100-LBK5-105	SCBH52-140		52-75	210	245	50	5.69
HSK-A100-LBK5-140				245	280		6.19
HSK-A100-LBK5-180				285	320		6.61
HSK-A100-LBK5-240				345	380		7.38
HSK-A100-LBK5-305				410	445		8.17
HSK-A100-LBK6-075	SCBH68-175		68-100	215	250	64	8.50
HSK-A100-LBK6-125				265	300		9.72
HSK-A100-LBK6-170				310	345		10.48
HSK-A100-LBK6-230				370	405		11.60
HSK-A100-LBK6-290				430	465		12.78
HSK-A100-LBK6-350				490	525		13.96
HSK-A100-LBK6-400				540	575		15.13
HSK-A100-LBK74-300	SCBH75-225		75-102	490	525	74	18.69
HSK-A100-LBK74-350				540	575		19.89
HSK-A100-LBK74-400				590	625		21.09
HSK-A100-LBK74-450				640	675		22.28
HSK-A100-LBK74-500				690	725		23.47
HSK-A100-LBK74-550				740	775		24.65
HSK-A100-LBK74-600				790	825		25.80
HSK-A100-LBK7-300	SCBH100-225		100-152	490	525	88	24.33
HSK-A100-LBK7-350				540	575		25.87
HSK-A100-LBK7-400				590	625		27.53
HSK-A100-LBK7-450				640	675		29.11
HSK-A100-LBK7-500				690	725		30.63
HSK-A100-LBK7-550				740	775		32.33
HSK-A100-LBK7-600				790	825		33.93
HSK-A100-LBK7-300	SCBH150-225		150-202	490	525		26.00
HSK-A100-LBK7-350				540	575		27.54
HSK-A100-LBK7-400				590	625		29.20
HSK-A100-LBK7-450				640	675		30.78
HSK-A100-LBK7-500				690	725		32.30
HSK-A100-LBK7-550				740	775		34.00
HSK-A100-LBK7-600				790	825		35.60
HSK-A100-LBK7-300	SCBH200-310		200-310	575	610		29.00
HSK-A100-LBK7-350				625	660		30.54
HSK-A100-LBK7-400				675	710		32.20
HSK-A100-LBK7-450				725	760		33.78
HSK-A100-LBK7-500				775	810		35.30
HSK-A100-LBK7-550				825	860		37.00
HSK-A100-LBK7-600				875	910		38.60

SRBHLA 減震雙刃粗搪頭系列 SRBHLA Twin-Edge Damped Rough Boring Head

專利產品 Patent Products

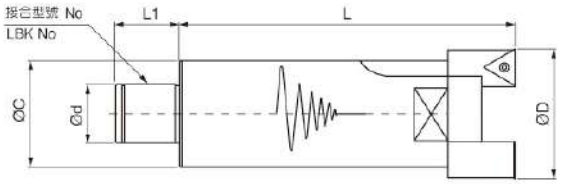
特 色

1. 減震器與搪孔頭的結合，一體式的結構，當搪孔加工時可與一般同型號的LBK刀桿任意組合，而得到更大的加工有效長與更好的加工表面精度。
2. 具有多種規格，自Ø25~Ø310均可搭配使用，所有SRBH32LA以上規格均具有中心出水功能。
3. 本產品使用雙邊對稱定位接合，可使減震效果更好。
4. 本產品應用在加工深度為柄徑的4 ~ 8倍長效果最好。
5. SRBHLA減震搪孔頭與SLBK減震延長桿+RBH-LA搪頭相比較，SRBHLA減震搪孔頭可使用更高的切削進給，得到更好的加工效率
6. SRBHLA需在刀具設定儀上設定尺寸

Features

1. By integrating STABLELINE® technology into the boring head makes its robust one-piece structure, and is to be equipped with suitable type of LBK holders. This gives you longer-reach and excellent surface finishes for your boring operations.
2. Boring range from Ø25 mm up to Ø310 mm in standard assortment, SRBH32LA boring heads and above are available with internal coolant supply.
3. High rigidity through a bilateral symmetric fit between the heads and holders and large clamping screws, ensures the best possible damping performance.
4. The SRBHLA twin-edge damped boring tools are ideal for successful boring operations at overhangs reaching from 4 up to 8 times bar diameter.
5. SRBHLA damped boring tools optimize cutting speed and feed, offering higher productive machining compared to combination of SLBK damped holders and RBHLA boring heads.
6. SRBHLA must be set on the Tool Presetter before use.





規 格Specifications:

型號 Type	接合型號 LBK No.	搪孔範圍 ØD(mm) Boring Range	搪頭長度 L(mm)	L1 (mm)	ØC (mm)	Ød (mm)	刀片規格 Insert	重量 (kg) Weight
SRBH25LA-95	LBK2	25-35	95	16	24	14	CCMT060204	0.39
SRBH32LA-105	LBK3	32-45	105	20	31	18	CCMT060204 TCMT110204	0.71
SRBH40LA-130	LBK4	40-55	130	24	39	22	CCMT09T304 TCMT16T304	1.47
SRBH52LA-145	LBK5	52-75	145	30	50	28		2.72
SRBH68LA-180	LBK6	68-100	180	40	64	36		5.70
SRBH75LA-240	LBK74	75-100	240	45	74	46		6.20
SRBH90LA-245	LBK7	90-130	245	50	88	58	CCMT120404 TCMT16T304	13.13
SRBH90LA-345			345					17.03
SRBH90LA-445			445					20.82
SRBH120LA-235		120-164	235					14.33
SRBH120LA-335			335					18.23
SRBH120LA-435			435					22.02
SRBH160LA-235		160-204	235					15.70
SRBH160LA-335			335					19.60
SRBH160LA-435			435					23.39
SRBH200LA-310		200-310	310					19.90

※SRBH25LA無中心出水 ※W/O coolant thru. for SRBH25LA

RBT-LBK刀柄+ SRBHLA減震雙刃粗搪頭

RBT-LBK Holder to SRBH-LA Twin-Edge Damped Rough Boring Head



HSK-LBK刀柄+ SRBHLA減震雙刃粗搪頭

HSK-LBK Holder to SRBH-LA Twin-Edge Damped Rough Boring Head





RBT-LBK+SRBHLA

規格Specifications:

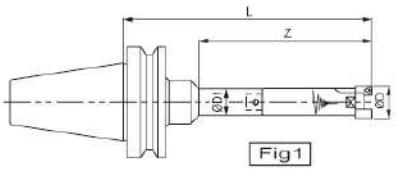


Fig1

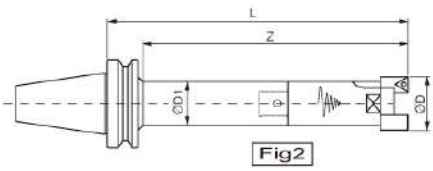


Fig2

刀 桿 LBK Holder	減震雙刃粗搪頭 Boring Head	Fig	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總 長 L (mm)	刀桿外徑 ØD1 (mm)	重 量 Weight (kg)
RBT40-LBK2-085	SRBH25LA-95	2	25-35	145	180	24	1.49
RBT40-LBK2-100				160	195		1.54
RBT40-LBK2-115				175	210		1.74
RBT40-LBK3-095	SRBH32LA-105		32-45	165	200	31	1.91
RBT40-LBK3-125				195	230		2.21
RBT40-LBK3-155				225	260		2.41
RBT40-LBK4-085	SRBH40LA-130		40-55	180	215	39	2.77
RBT40-LBK4-130				225	260		3.27
RBT40-LBK4-175				270	305		3.64
RBT40-LBK5-075	SRBH52LA-145		52-75	185	220	50	4.02
RBT40-LBK5-125				235	270		5.02
RBT40-LBK5-175				285	320		5.72
RBT40-LBK6-065	SRBH68LA-180		68-100	210	245	64	7.50
RBT40-LBK6-115				260	295		8.90
RBT40-LBK6-165				310	345		10.10
RBT50-LBK2-125	SRBH25LA-95	1	25-35	160	220	39/24	4.29
RBT50-LBK2-155				190	250		4.39
RBT50-LBK3-125	SRBH32LA-105	2	32-45	185	230	31	4.81
RBT50-LBK3-155				215	260		4.91
RBT50-LBK3-200				260	305		5.10
RBT50-LBK4-115	SRBH40LA-130		40-55	200	245	39	5.77
RBT50-LBK4-145				230	275		5.87
RBT50-LBK4-175				260	305		6.27
RBT50-LBK4-215				300	345		6.37
RBT50-LBK4-255				340	385		6.77
RBT50-LBK5-105	SRBH52LA-145		52-75	205	250	50	7.22
RBT50-LBK5-140				240	285		7.72
RBT50-LBK5-180				280	325		8.22
RBT50-LBK5-240				340	385		8.92
RBT50-LBK5-305				405	450		12.40
RBT50-LBK6-075	SRBH68LA-180		68-100	210	255	64	10.50
RBT50-LBK6-125				260	305		11.70
RBT50-LBK6-170				305	350		12.50
RBT50-LBK6-230				365	410		13.80
RBT50-LBK6-290				425	470		15.20
RBT50-LBK6-350				485	530		14.46
RBT50-LBK6-400				535	580		15.63
RBT50-LBK74-300	SRBH75LA-240		75-100	495	540	74	19.85
RBT50-LBK74-350				545	590		21.04
RBT50-LBK74-400				595	640		22.25
RBT50-LBK74-450				645	690		23.42
RBT50-LBK74-500				695	740		24.99
RBT50-LBK74-550				745	790		26.57
RBT50-LBK74-600				795	840		28.11
RBT50-LBK7-300	SRBH90LA-245		90-130	500	545	88	23.13
RBT50-LBK7-350				550	595		25.13
RBT50-LBK7-400				600	645		27.13
RBT50-LBK7-450				650	695		30.22
RBT50-LBK7-500				700	745		31.83
RBT50-LBK7-550				750	795		33.45
RBT50-LBK7-600				800	845		35.27
RBT50-LBK7-300	SRBH120LA-235		120-164	490	535		24.33
RBT50-LBK7-350				540	585		26.33
RBT50-LBK7-400				590	635		28.33
RBT50-LBK7-450				640	685		31.42
RBT50-LBK7-500				690	735		33.03
RBT50-LBK7-550				740	785		34.65
RBT50-LBK7-600				790	835		36.47
RBT50-LBK7-300	SRBH160LA-235		160-204	490	535		25.70
RBT50-LBK7-350				540	585		27.70
RBT50-LBK7-400				590	635		29.70
RBT50-LBK7-450				640	685		32.79
RBT50-LBK7-500				690	735		34.40
RBT50-LBK7-550				740	785		36.02
RBT50-LBK7-600				790	835		37.84
RBT50-LBK7-300	SRBH200LA-310		200-310	565	610		29.90
RBT50-LBK7-350				615	660		31.90
RBT50-LBK7-400				665	710		33.90
RBT50-LBK7-450				715	760		37.00
RBT50-LBK7-500				765	810		38.60
RBT50-LBK7-550				815	860		40.30
RBT50-LBK7-600				865	910		42.10



HSK-LBK+SRBHLA

規格Specific

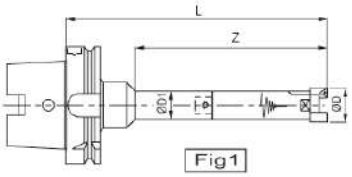


Fig1

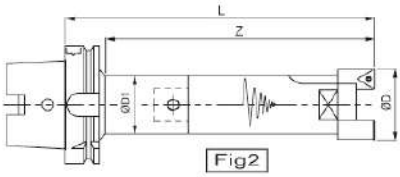


Fig2

刀桿 LBK Holder	減震雙刃粗搪頭 Boring Head	Fig	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總長 L (mm)	刀桿外徑 ØD1 (mm)	重量 Weight (kg)
HSK-A63-LBK2-085	SRBH25LA-95	2	25-35	145	180	24	1.30
HSK-A63-LBK2-100				160	195		1.35
HSK-A63-LBK2-115				175	210		1.40
HSK-A63-LBK3-095	SRBH32LA-105		32-45	165	200	31	1.77
HSK-A63-LBK3-125				195	230		1.92
HSK-A63-LBK3-155				225	260		2.07
HSK-A63-LBK4-085	SRBH40LA-130		40-55	180	215	39	2.67
HSK-A63-LBK4-130				225	260		3.02
HSK-A63-LBK4-175				270	305		3.36
HSK-A63-LBK5-075	SRBH52LA-145		52-75	190	220	50	4.03
HSK-A63-LBK5-125				240	270		4.69
HSK-A63-LBK5-175				290	320		5.32
HSK-A63-LBK6-070	SRBH68LA-180		68-100	220	250	64	7.55
HSK-A63-LBK6-115				265	295		8.50
HSK-A63-LBK6-165				315	345		9.64
HSK-A100-LBK2-125	SRBH25LA-95	1	25-35	160	220	39/24	2.82
HSK-A100-LBK2-155				190	250		2.91
HSK-A100-LBK3-125	SRBH32LA-105		32-45	185	230	45/31	3.24
HSK-A100-LBK3-155				215	260		3.39
HSK-A100-LBK3-200				260	305		3.59
HSK-A100-LBK4-115	SRBH40LA-130	2	40-55	210	245	39	4.14
HSK-A100-LBK4-145				240	275		4.33
HSK-A100-LBK4-175				270	305		4.57
HSK-A100-LBK4-215				310	345		4.87
HSK-A100-LBK4-255				350	385		5.17
HSK-A100-LBK5-105	SRBH52LA-145		52-75	215	250	50	5.69
HSK-A100-LBK5-140				250	285		6.19
HSK-A100-LBK5-180				290	325		6.61
HSK-A100-LBK5-240				350	385		7.38
HSK-A100-LBK5-305				415	450		8.17
HSK-A100-LBK6-075	SRBH68LA-180		68-100	220	255	64	9.00
HSK-A100-LBK6-125				270	305		10.22
HSK-A100-LBK6-170				315	350		10.98
HSK-A100-LBK6-230				375	410		12.10
HSK-A100-LBK6-290				435	470		13.28
HSK-A100-LBK6-350				495	530		14.46
HSK-A100-LBK6-400				545	580		15.63
HSK-A100-LBK74-300	SRBH75LA-240		75-100	505	540	74	18.59
HSK-A100-LBK74-350				555	590		19.79
HSK-A100-LBK74-400				605	640		20.99
HSK-A100-LBK74-450				655	690		22.18
HSK-A100-LBK74-500				705	740		23.37
HSK-A100-LBK74-550				755	790		24.55
HSK-A100-LBK74-600				805	840		25.70
HSK-A100-LBK7-300	SRBH90LA-245		90-130	510	545	88	24.53
HSK-A100-LBK7-350				560	595		26.07
HSK-A100-LBK7-400				610	645		27.73
HSK-A100-LBK7-450				660	695		29.31
HSK-A100-LBK7-500				710	745		30.83
HSK-A100-LBK7-550				760	795		32.53
HSK-A100-LBK7-600				810	845		34.13
HSK-A100-LBK7-300	SRBH120LA-235		120-164	500	535		25.73
HSK-A100-LBK7-350				550	585		27.27
HSK-A100-LBK7-400				600	635		28.93
HSK-A100-LBK7-450				650	685		30.51
HSK-A100-LBK7-500				700	735		32.03
HSK-A100-LBK7-550				750	785		33.73
HSK-A100-LBK7-600				800	835		35.33
HSK-A100-LBK7-300	SRBH160LA-235		160-204	500	535		27.10
HSK-A100-LBK7-350				550	585		28.64
HSK-A100-LBK7-400				600	635		30.30
HSK-A100-LBK7-450				650	685		31.88
HSK-A100-LBK7-500				700	735		33.40
HSK-A100-LBK7-550				750	785		35.10
HSK-A100-LBK7-600				800	835		36.70
HSK-A100-LBK7-300	SRBH200LA-310		200-310	575	610		31.30
HSK-A100-LBK7-350				625	660		32.84
HSK-A100-LBK7-400				675	710		34.50
HSK-A100-LBK7-450				725	760		36.08
HSK-A100-LBK7-500				775	810		37.60
HSK-A100-LBK7-550				825	860		39.30
HSK-A100-LBK7- 600				875	910		40.90

SLBK 減震延長桿系列 SLBK Damped Extension Bar

專利產品 Patent Products

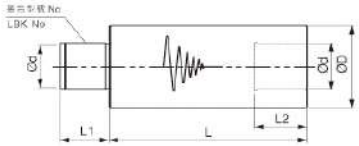
特 色

1. 減震器與延長桿的結合，當搪孔加工時可與一般的同型號LBK刀桿任意組合，而得到更大的加工有效長與更好的加工表面精度。
2. 具有多種規格，自SLBK2~SLBK6之間均可搭配使用，SLBK3以上規格均具有中心出水功能。
3. 本產品使用雙邊對稱定位接合，可使減震效果更好。
4. 本產品應用在加工深度為柄徑的4~7倍長效果最好。

Features

1. By integrating STABLELINE® technology into the extension bar, the SLBK damped extension bar is to be combined with suitable LBK holders to perform longer-reach and excellent surface finishes for your boring operations.
2. From SLBK2 up to SLBK6 in standard assortment, SLBK3 damped extension bars and above are available with internal coolant supply.
3. High rigidity through a bilateral symmetric fit between the heads and holders and large clamping screws, ensures the best possible damping performance.
4. The SLBK damped extension bars are ideal for successful boring operations at overhangs reaching from 4 up to 7 times bar diameter.





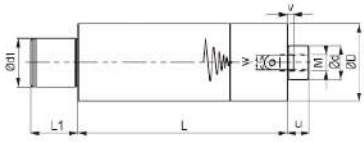
規 格Specifications:

型號 Type	接合型號 LBK No.	長度 L(mm)	外徑 ØD(mm)	Ød (mm)	L1 (mm)	L2 (mm)	接合搪刀頭 Insert	重量 (kg) Weight
SLBK2-2-75	LBK2	75	24	14	16	18	CBH25; MBH25 ;CBM27	0.33
SLBK3-3-100	LBK3	100	31	18	20	22	CBH32; MBH32 ;CBM35	0.62
SLBK4-4-120	LBK4	120	39	22	24	26	CBH40; MBH40 ;CBM45	1.11
SLBK5-5-130	LBK5	130	50	28	30	32	CBH52; MBH52 ;CBM55	2.30
SLBK6-6-170	LBK6	170	64	36	40	42	CBH68; MBH68 ;CBM68	5.10

※SLBK2-2無中心出水 ※W/O coolant thru. for SLBK2-2

LBK-FMH 減震延長桿系列 LBK-FMH Damped Extension Bar



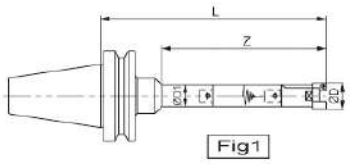


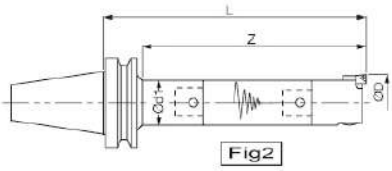
規 格Specifications:

型號 Type	接合型號 LBK No.	長度 L(mm)	外徑 ØD(mm)	Ød1 (mm)	L1 (mm)	心軸外徑 Ød(mm)	心軸長 u(mm)	鍵 高 v(mm)	鍵 寬 w(mm)	螺紋孔 M(mm)	重量 (kg) Weight
LBK74-FMH27-200-D74	LBK74	200	74	50	45	27	20	5.8	12	M12	10.1
LBK7-FMH32-200-D88	LBK7	200	88	58	50	32	21	6.8	14	M16	13.5
LBK7-FMH32-300-D88		300									17.4
LBK7-FMH32-400-D88		400									21.2
LBK7-FMH40-200-D88		200				40					13.5
LBK7-FMH40-300-D88		300									17.4
LBK7-FMH40-400-D88		400									21.2



RBT-LBK+SLBK+CBH



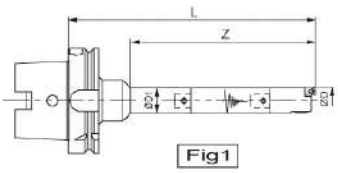


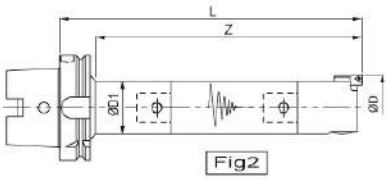
規格Specifications:

刀桿 LBK Holder	減震延長桿 SLBK Extension Bar	精搪頭 Boring Head	Fig	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總長 L (mm)	刀桿外徑 Ød1 (mm)	重量 Weight (kg)
RBT40-LBK2-085	SLBK2-2-75	CBH25	2	25-33	165	200	24	1.43
RBT40-LBK2-100					180	215		1.48
RBT40-LBK3-095	SLBK3-3-100	CBH32		32-42	200	235	31	1.82
RBT40-LBK3-125					230	265		2.12
RBT40-LBK4-085	SLBK4-4-120	CBH40		40-55	220	255	39	2.41
RBT40-LBK4-130					265	300		2.93
RBT40-LBK4-175					310	345		3.28
RBT40-LBK5-075	SLBK5-5-130	CBH52		52-75	230	265	50	3.60
RBT40-LBK5-125					280	315		4.52
RBT40-LBK5-175					330	365		5.22
RBT40-LBK6-065	SLBK6-6-170	CBH68		68-100	270	305	64	6.40
RBT40-LBK6-115					320	355		7.69
RBT50-LBK2-125	SLBK2-2-75	CBH25	1	25-33	180	240	39/24	4.23
RBT50-LBK2-155					210	270		4.33
RBT50-LBK3-125	SLBK3-3-100	CBH32	2	32-42	220	265	31	7.72
RBT50-LBK3-155					250	295		7.82
RBT50-LBK4-115	SLBK4-4-120	CBH40		40-55	240	285	39	8.41
RBT50-LBK4-145					270	315		5.51
RBT50-LBK4-175					300	345		5.91
RBT50-LBK5-105	SLBK5-5-130	CBH52		52-75	250	295	50	6.80
RBT50-LBK5-140					285	330		7.30
RBT50-LBK5-180					325	370		7.80
RBT50-LBK5-240					385	430		8.50
RBT50-LBK6-075	SLBK6-6-170	CBH68		68-100	270	315	64	9.40
RBT50-LBK6-125					320	365		10.60
RBT50-LBK6-170					365	410		11.24
RBT50-LBK6-230					425	470		12.56
RBT50-LBK6-290					485	530		14.10



HSK-LBK+SLBK+CBH



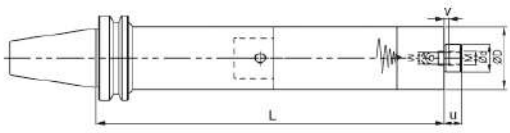


規格Specifications:

刀桿 LBK Holder	減震延長桿 SLBK Extension Bar	精搪頭 Boring Head	Fig	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總長 L (mm)	刀桿外徑 Ød1 (mm)	重量 Weight (kg)
HSK-A63-LBK2-085	SLBK2-2-75	CBH25	2	25-33	165	200	24	1.24
HSK-A63-LBK2-100					180	215		1.29
HSK-A63-LBK3-095	SLBK3-3-100	CBH32		32-42	200	235	31	1.68
HSK-A63-LBK3-125					230	265		1.83
HSK-A63-LBK4-085	SLBK4-4-120	CBH40		40-55	220	255	39	2.31
HSK-A63-LBK4-130					265	300		2.66
HSK-A63-LBK4-175					310	345		3.00
HSK-A63-LBK5-075	SLBK5-5-130	CBH52		52-75	235	265	50	3.61
HSK-A63-LBK5-125					285	315		4.27
HSK-A63-LBK5-175					335	365		4.90
HSK-A63-LBK6-070	SLBK6-6-170	CBH68		68-100	280	310	64	6.45
HSK-A63-LBK6-115					325	355		7.40
HSK-A100-LBK2-125	SLBK2-2-75	CBH25	1	25-33	180	240	39/24	2.76
HSK-A100-LBK2-155					210	270		2.85
HSK-A100-LBK3-125	SLBK3-3-100	CBH32		32-42	220	265	45/31	3.15
HSK-A100-LBK3-155					250	295		3.30
HSK-A100-LBK4-115	SLBK4-4-120	CBH40	2	40-55	250	285	39	3.78
HSK-A100-LBK4-145					280	315		3.97
HSK-A100-LBK4-175					310	345		4.21
HSK-A100-LBK5-105	SLBK5-5-130	CBH52		52-75	260	295	50	5.27
HSK-A100-LBK5-140					295	330		5.77
HSK-A100-LBK5-180					335	370		6.19
HSK-A100-LBK5-240					395	430		6.96
HSK-A100-LBK6-075	SLBK6-6-170	CBH68		68-100	280	315	64	7.90
HSK-A100-LBK6-125					330	365		9.12
HSK-A100-LBK6-170					375	410		9.88
HSK-A100-LBK6-230					435	470		11.00
HSK-A100-LBK6-290					495	530		12.18

RBT-LBK+LBK-FMH



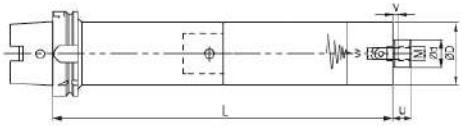


規 格Specifications:

刀 桿 LBK Holder	LBK-FMH減震延長桿 LBK-FMH Extension Bar	總 長 L(mm)	外 徑 ØD(mm)	心軸外徑 Ød(mm)	心軸長 u(mm)	鍵 高 V(mm)	全鍵寬 W(mm)	螺絲孔 M(mm)	重量(kg) Weigh
RBT50-LBK74-300	LBK74-FMH27-200-D74	500	74	27	20	5.8	12	M12	19.95
RBT50-LBK74-350		550							21.14
RBT50-LBK74-400		600							22.35
RBT50-LBK74-450		650							23.52
RBT50-LBK74-500		700							25.09
RBT50-LBK74-550		750							26.67
RBT50-LBK74-600		800							28.21
RBT50-LBK7-100	LBK7-FMH32-200-D88	300	88	32	21	6.8	14	M16	17.80
RBT50-LBK7-150		350							19.50
RBT50-LBK7-200		400							21.00
RBT50-LBK7-250		450							22.00
RBT50-LBK7-300		500							23.00
RBT50-LBK7-350		550							24.20
RBT50-LBK7-400		600							25.30
RBT50-LBK7-450		650							27.50
RBT50-LBK7-500		700							28.70
RBT50-LBK7-550		750							29.90
RBT50-LBK7-600		800							31.40
RBT50-LBK7-550	LBK7-FMH32-300-D88	850							31.90
RBT50-LBK7-600		900							33.40
RBT50-LBK7-550	LBK7-FMH32-400-D88	950							33.90
RBT50-LBK7-600		1000							35.40
RBT50-LBK7-100	LBK7-FMH40-200-D88	300	88	40	21	7.9	16	M16	17.80
RBT50-LBK7-150		350							19.50
RBT50-LBK7-200		400							21.00
RBT50-LBK7-250		450							22.00
RBT50-LBK7-300		500							23.00
RBT50-LBK7-350		550							24.20
RBT50-LBK7-400		600							25.30
RBT50-LBK7-450		650							27.50
RBT50-LBK7-500		700							28.70
RBT50-LBK7-550		750							29.90
RBT50-LBK7-600		800							31.40
RBT50-LBK7-550	LBK7-FMH40-300-D88	850							31.90
RBT50-LBK7-600		900							33.40
RBT50-LBK7-550	LBK7-FMH40-400-D88	950							33.90
RBT50-LBK7-600		1000							35.40

HSK-LBK+LBK-FMH





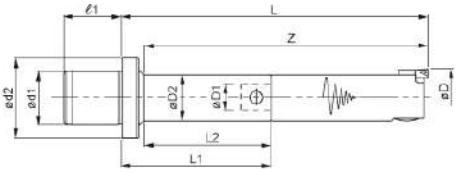
規 格Specifications:

刀 桿 LBK Holder	LBK-FMH減震延長桿 LBK-FMH Extension Bar	總 長 L(mm)	外 徑 ØD(mm)	心軸外徑 Ød(mm)	心軸長 u(mm)	鍵 高 V(mm)	全鍵寬 W(mm)	螺絲孔 M(mm)	重量(kg) Weigh
HSK-A100-LBK74-300	LBK74-FMH27-200-D74	500	74	27	20	5.8	12	M12	18.69
HSK-A100-LBK74-350		550							19.89
HSK-A100-LBK74-400		600							21.09
HSK-A100-LBK74-450		650							22.28
HSK-A100-LBK74-500		700							23.47
HSK-A100-LBK74-550		750							24.65
HSK-A100-LBK74-600		800							25.80
HSK-A100-LBK7-100	LBK7-FMH32-200-D88	300	88	32	21	6.8	14	M16	17.20
HSK-A100-LBK7-150		350							19.05
HSK-A100-LBK7-200		400							21.04
HSK-A100-LBK7-250		450							22.80
HSK-A100-LBK7-300		500							24.40
HSK-A100-LBK7-350		550							25.94
HSK-A100-LBK7-400		600							27.60
HSK-A100-LBK7-450		650							29.18
HSK-A100-LBK7-500		700							30.70
HSK-A100-LBK7-550		750							32.40
HSK-A100-LBK7-600		800							34.00
HSK-A100-LBK7-550	LBK7-FMH32-300-D88	850							34.40
HSK-A100-LBK7-600		900							36.00
HSK-A100-LBK7-550	LBK7-FMH32-400-D88	950							36.40
HSK-A100-LBK7-600		1000							38.00
HSK-A100-LBK7-100	LBK7-FMH40-200-D88	300	88	40	21	7.9	16	M16	17.20
HSK-A100-LBK7-150		350							19.05
HSK-A100-LBK7-200		400							21.04
HSK-A100-LBK7-250		450							22.80
HSK-A100-LBK7-300		500							24.40
HSK-A100-LBK7-350		550							25.94
HSK-A100-LBK7-400		600							27.60
HSK-A100-LBK7-450		650							29.18
HSK-A100-LBK7-500		700							30.70
HSK-A100-LBK7-550		750							32.40
HSK-A100-LBK7-600		800							34.00
HSK-A100-LBK7-550	LBK7-FMH40-300-D88	850							34.40
HSK-A100-LBK7-600		900							36.00
HSK-A100-LBK7-550	LBK7-FMH40-400-D88	950							36.40
HSK-A100-LBK7-600		1000							38.00

LBK異徑接桿＋SCBH減震精搪頭

LBK Extension+SCBH Damped fine Boring Head





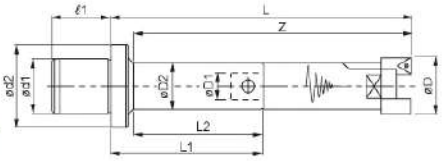
規格 Specifications:

異徑延長桿 Extension Bar (Reducing)	減震微調精搪頭 Boring Head Type No.	搪孔範圍 øD(mm)	延伸長 L(mm)	有效長 Z(mm)	ød1(mm)	ød2(mm)	ℓ1(mm)	øD1(mm)	øD2(mm)	L1(mm)	L2(mm)	重量(kg) Weigh
LBK2-1-36	SCBH20-90	20-26	126	120	14	24	16	11	19	36	30	0.32
LBK3-1-41			131	120	18	31	20			41	30	0.37
LBK3-2-37	SCBH25-90	25-33	127	115				14	24	37	25	0.54
LBK4-1-58	SCBH20-90	20-26	148	130				11	19	58	40	0.52
LBK4-2-50	SCBH25-90	25-33	140	125	22	39	24	14	24	50	35	0.69
LBK4-3-50	SCBH32-100	32-42	150	135				18	31	50	35	1.06
LBK5-1-60	SCBH20-90	20-26	150	130				11	19	60	40	0.67
LBK5-2-54	SCBH25-90	25-33	144	125				14	24	54	35	0.84
LBK5-2-74			164	145						74	55	0.89
LBK5-3-47	SCBH32-100	32-42	147	130	28	50	30	18	31	47	30	1.21
LBK5-3-72			172	155						72	55	1.31
LBK5-4-42	SCBH40-120	40-55	162	145				22	39	42	25	1.97
LBK5-4-67			187	170						67	50	2.17
LBK6-1-70	SCBH20-90	20-26	160	130				11	19	70	40	1.12
LBK6-2-63	SCBH25-90	25-33	153	135				14	24	63	45	1.09
LBK6-2-93			183	165						93	75	1.19
LBK6-3-56	SCBH32-100	32-42	156	140				18	31	56	40	1.46
LBK6-3-96			196	180	36	64	40			96	80	1.66
LBK6-4-51	SCBH40-120	40-55	171	155				22	39	51	35	2.32
LBK6-4-101			221	205						101	85	2.77
LBK6-5-41	SCBH52-140	52-75	181	165				28	50	41	25	3.57
LBK6-5-91			231	215						91	75	4.17
LBK7-4-90	SCBH40-120	40-55	210	190				22	39	90	70	3.60
LBK7-4-140			260	240						140	120	4.01
LBK7-4-180			300	280						180	160	4.57
LBK7-4-220			340	320						220	200	4.94
LBK7-5-130	SCBH52-140	52-75	270	250				28	50	130	110	5.63
LBK7-5-180			320	300						180	160	6.25
LBK7-5-230			370	350	58	88	50			230	210	6.87
LBK7-5-280			420	400						280	260	7.50
LBK7-6-145	SCBH68-175	68-100	320	300				36	64	145	125	9.90
LBK7-6-235			410	390						235	215	11.55
LBK7-6-300			475	455						300	280	12.67
LBK7-6-365			540	520						365	345	13.88

LBK異徑接桿＋SRBHLA減震雙刃粗搪頭

LBK Extension+SRBHla Twin-Edge Damped Rough Boring Head





規格 Specifications:

異徑延長桿 Extension Bar (Reducing)	減震雙刃粗搪頭 Boring Head Type No.	搪孔範圍 øD(mm)	延伸長 L(mm)	有效長 Z(mm)	ød1(mm)	ød2(mm)	ℓ1(mm)	øD1(mm)	øD2(mm)	L1(mm)	L2(mm)	重量(kg) Weigh
LBK3-2-37	SRBH25LA-95	25-35	132	120	18	31	20	14	24	37	25	0.54
LBK4-2-50	SRBH25LA-95	25-35	145	130	22	39	24	14	24	50	35	0.69
LBK4-3-50	SRBH32LA-105	32-45	155	140				18	31	50	35	1.06
LBK5-2-54	SRBH25LA-95	25-35	149	130				14	24	54	35	0.84
LBK5-2-74			169	150						74	55	0.89
LBK5-3-47	SRBH32LA-105	32-45	152	135	28	50	30	18	31	47	30	1.21
LBK5-3-72			177	160						72	55	1.31
LBK5-4-42	SRBH40LA-130	40-55	172	155				22	39	42	25	1.97
LBK5-4-67			197	180						67	50	2.17
LBK6-2-63	SRBH25LA-95	25-35	158	140				14	24	63	45	1.09
LBK6-2-93			188	170						93	75	1.19
LBK6-3-56	SRBH32LA-105	32-45	161	145				18	31	56	40	1.46
LBK6-3-96			201	185	36	64	40			96	80	1.66
LBK6-4-51	SRBH40LA-130	40-55	181	165				22	39	51	35	2.32
LBK6-4-101			231	215						101	85	2.77
LBK6-5-41	SRBH52LA-145	52-75	186	170				28	50	41	25	3.57
LBK6-5-91			236	220						91	75	4.17
LBK7-4-90	SRBH40LA-130	40-55	220	200				22	39	90	70	3.60
LBK7-4-140			270	250						140	120	4.01
LBK7-4-180			310	290						180	160	4.57
LBK7-4-220			350	330						220	200	4.94
LBK7-5-130	SRBH52LA-145	52-75	275	255				28	50	130	110	5.63
LBK7-5-180			325	305						180	160	6.25
LBK7-5-230			375	355	58	88	50			230	210	6.87
LBK7-5-280			425	405						280	260	7.50
LBK7-6-145	SRBH68LA-180	68-100	325	305				36	64	145	125	10.40
LBK7-6-235			415	395						235	215	12.05
LBK7-6-300			480	460						300	280	13.17
LBK7-6-365			545	525						365	345	14.38

RBT-SCBH整體式減震精搪刀

RBT-SCBH Integrated Damped Fine Boring Tool

專利產品 Patent Products

特 色

1. RBT刀桿+減震器+搪孔頭整體式的結合，可在搪孔加工上得到最大剛性與切削性能。
2. 具有多種規格，自Ø25~Ø100均可搭配使用，SCBH32以上規格均具有中心出水功能。
3. 本產品應用在加工深度為柄徑的6~10倍加工長。
4. RBT整體式搪孔刀系列與一般BT刀桿+SCBH相比較，可得到更加穩定的切削效能和加工效率。



Features

1. By integrating STABLELINE® technology into the combination of BT holder, damper device and boring head offers maximum stiffness and excellent surface finishes for your boring operations.
2. Boring range from Ø25 mm up to Ø100 mm in standard assortment, SCBH32 boring heads and above are available with internal coolant supply.
3. The BT-SCBH boring tools are ideal for successful boring operations at overhangs reaching from 6 up to 10 times bar diameter.
4. RBT-SRBH series integrated damped boring tools optimize cutting speed and feed, offering higher productive machining compared to combination of regular BT holders and SCBH boring heads.

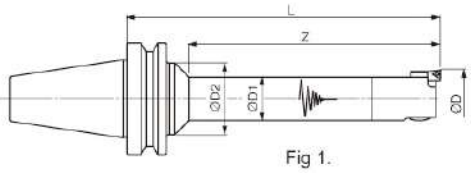


Fig 1.

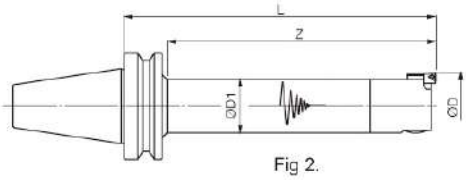


Fig 2.

規格Specifications:

型號 Type	Fig.	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總長 L (mm)	刀桿外徑 (mm) ØD2	刀桿外徑 (mm) ØD1	重量 Weight (kg)
RBT40-SCBH25-165	1	25-33	125	165	39	24	1.62
RBT40-SCBH25-190			150	190			1.67
RBT40-SCBH25-215			175	215			1.72
RBT40-SCBH32-200		32-42	160	200	50	31	2.36
RBT40-SCBH32-230			190	230			2.49
RBT40-SCBH32-260			220	260			2.62
RBT40-SCBH40-235		40-55	200	235		39	3.36
RBT40-SCBH40-275			240	275			3.65
RBT40-SCBH40-315			280	315			3.94
RBT40-SCBH52-315	2	52-75	285	315		50	6.79
RBT40-SCBH68-305		68-100	280	305		64	9.68
RBT50-SCBH25-175	1	25-33	125	175	39	24	4.25
RBT50-SCBH25-200			150	200			4.31
RBT50-SCBH25-225			175	225			4.37
RBT50-SCBH32-220		32-42	160	220	50	31	5.12
RBT50-SCBH32-250			190	250			5.30
RBT50-SCBH32-280			220	280			5.48
RBT50-SCBH40-260		40-55	200	260	64	39	6.23
RBT50-SCBH40-300			240	300			6.47
RBT50-SCBH40-340			280	340			6.71
RBT50-SCBH40-365	2		320	365		39	6.95
RBT50-SCBH40-405			360	405			7.19
RBT50-SCBH40-445			400	445			7.43
RBT50-SCBH52-315	1	52-75	270	315	64	50	9.23
RBT50-SCBH52-360			315	360			9.88
RBT50-SCBH52-405			360	405			10.53
RBT50-SCBH52-445	2		400	445		50	11.18
RBT50-SCBH52-495			450	495			11.83
RBT50-SCBH52-545			500	545			12.48
RBT50-SCBH68-375	2	68-100	330	375		64	15.23
RBT50-SCBH68-440			395	440			16.08
RBT50-SCBH68-505			460	505			16.93
RBT50-SCBH68-565			520	565			17.78
RBT50-SCBH68-630			585	630			18.63
RBT50-SCBH68-695			650	695			19.48

※SCBH25無中心出水 ※W/O coolant thru. for SCBH25

RBT-SRBHLA整體式減震粗搪刀

RBT-SRBHLA Integrated Twin-Edge Damped Rough Boring Tool

專利產品 Patent Products

特 色

1. RBT刀桿+減震器+搪孔頭整體式的結合，可在搪孔加工上得到最大剛性與切削性能。
2. 具有多種規格，自Ø25~Ø100均可搭配使用，SRBH32LA以上規格均具有中心出水功能。
3. 本產品應用在加工深度為柄徑的6~10倍加工長。
4. BT整體式搪孔刀系列與一般BT刀桿+SRBHLA相比較，可得到更加穩定的切削效能和加工效率。



Features

1. By integrating STABLELINE® technology into the combination of BT holder, damper device and boring head offers maximum stiffness and excellent surface finishes for your boring operations.
2. Boring range from Ø25 mm up to Ø100mm in standard assortment, SRBH32LA boring heads and above are available with internal coolant supply.
3. The RBT-SRBHLA boring tools are ideal for successful boring operations at overhangs reaching from 6 up to 10 times bar diameter.
4. RBT-SRBHLA series integrated damped boring tools optimize cutting speed and feed, offering higher productive machining compared to combination of regular BT holders and SCBHLA boring heads.

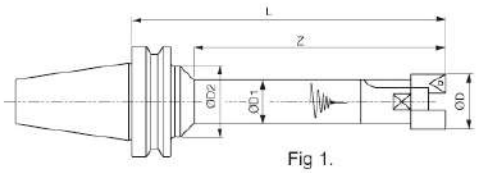


Fig 1.

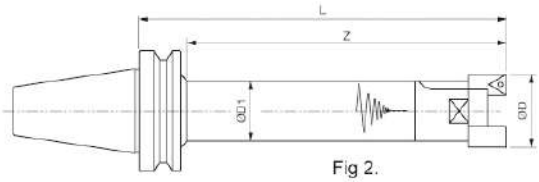


Fig 2.

規格Specifications:

型號 Type	Fig.	搪孔範圍 ØD(mm) Boring Range	有效長 Z (mm)	總長 L (mm)	刀桿外徑 (mm) ØD2	刀桿外徑 (mm) ØD1	重量 Weight (kg)
RBT40-SRBH25LA-170	1	25-35	130	170	39	24	1.62
RBT40-SRBH25LA-195			155	195			1.67
RBT40-SRBH25LA-220			180	220			1.72
RBT40-SRBH32LA-205		32-45	165	205	50	31	2.36
RBT40-SRBH32LA-235			195	235			2.49
RBT40-SRBH32LA-265			225	265			2.62
RBT40-SRBH40LA-245		40-55	210	245		39	3.36
RBT40-SRBH40LA-285			250	285			3.65
RBT40-SRBH40LA-325			290	325			3.94
RBT40-SRBH52LA-320	2	52-75	290	320		50	6.79
RBT40-SRBH68LA-310		68-100	280	310		64	9.68
RBT50-SRBH25LA-180	1	25-35	130	180	39	24	4.25
RBT50-SRBH25LA-205			155	205			4.31
RBT50-SRBH25LA-230			180	230			4.37
RBT50-SRBH32LA-225		32-45	165	225	50	31	5.12
RBT50-SRBH32LA-255			195	255			5.30
RBT50-SRBH32LA-285			225	285			5.48
RBT50-SRBH40LA-270		40-55	210	270	64	39	6.23
RBT50-SRBH40LA-310			250	310			6.47
RBT50-SRBH40LA-350			290	350			6.71
RBT50-SRBH40LA-375	2		330	375		39	6.95
RBT50-SRBH40LA-415			370	415			7.19
RBT50-SRBH40LA-455			410	455			7.43
RBT50-SRBH52LA-320	1	52-75	275	320	64	50	9.23
RBT50-SRBH52LA-365			320	365			9.88
RBT50-SRBH52LA-410			365	410			10.53
RBT50-SRBH52LA-450	2		405	450		50	11.18
RBT50-SRBH52LA-500			455	500			11.83
RBT50-SRBH52LA-550			505	550			12.48
RBT50-SRBH68LA-380	2	68-100	335	380		64	15.23
RBT50-SRBH68LA-445			400	445			16.08
RBT50-SRBH68LA-510			465	510			16.93
RBT50-SRBH68LA-570			525	570			17.78
RBT50-SRBH68LA-635			590	635			18.63
RBT50-SRBH68LA-700			655	700			19.48

※SRBH25LA無中心出水 ※W/O coolant thru. for SRBH25LA

直柄整體式鎢鋼精、粗搪刀系列《搪孔範圍Ø16 - Ø42mm》

Tungsten Steel Finish / Rough Boring Tool《Boring Range from Ø16 - Ø42mm》

特色 Features

1.超硬鎢鋼製搪刀桿，使用高韌性配方製造，堅韌耐用，實現高硬度、高剛性、高抗震性，可施行深孔搪孔加工(5D-7D)。
2.各種規格均有內部水孔，深孔加工時排屑及冷卻效果良好。
3.直柄結構，加工深度可依加工需求自行調整。

1. Super hard tungsten steel boring bar is made by high toughness material, which is tough and durable, highly achieve features of super hardness, high rigidity and high vibration resistance, most suitable for extra depth boring (5D-7D).
2. Standard internal coolant hole is built in every size of the bar, best for cooling and chip evacuation in deep hole boring.
3. Featuring straight shank structure, the bar can be adjusted to different working lengths.



直柄整體式鎢鋼精搪刀 Tungsten Steel Finish Boring Tool

型號 Type	搪孔範圍 ØD (mm) Boring Range	有效長 Z (mm)	全長 L (mm)	夾持長(mm) L1	夾持柄徑(mm) ØD1	有效長柄徑(mm) Ød1	重量 Weight (kg)
SC16-MBH16-185	16-20	100	185	85	16	15	0.4
SC19-CBH20-185	20-26	100	185		19	19	0.6
SC19-CBH20-235		150	235				0.8
SC24-CBH25-190	25-33	100	190	90	24	24	1.05
SC24-CBH25-240		150	240				1.35
SC32-CBH32-240	32-42	150	240		32	31	2.07
SC32-CBH32-290		200	290				2.75

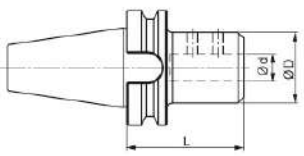
直柄整體式鎢鋼粗搪刀 Tungsten Steel Rough Boring Tool

型號 Type	搪孔範圍 ØD (mm) Boring Range	有效長 Z (mm)	全長 L (mm)	夾持長(mm) L1	夾持柄徑(mm) ØD1	有效長柄徑(mm) Ød1	重量 Weight (kg)
SC16-RBM16-185	15.8-20	100	185	85	16	15	0.4
SC19-RBM20-185	19.8-26	100	185		19	19	0.6
SC19-RBM20-235		150	235				0.8
SC24-RBH25LA-190	24.8-35	100	190	90	24	24	1.05
SC24-RBH25LA-240		150	240				1.35
SC32-RBH32LA-240	31.8-45	150	240		32	31	2.07
SC32-RBH32LA-290		200	290				2.75

鎢鋼搪刀桿專用側固式刀桿

Side Lock Holder for Tungsten Steel Fine Boring Tool

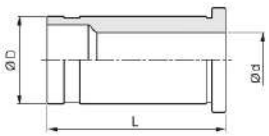
型號 Type	內徑 Ød (mm)	外徑 ØD (mm)	刀桿長 L (mm)	重量 Weight (kg)
RBT40-SLA19-90-W	19	40	90	1.20
RBT40-SLA20-90-W	20	40	90	1.40
RBT40-SLA24-90-W	24	45	90	1.60
RBT40-SLA25-90-W	25	45	90	1.80
RBT40-SLA32-105-W	32	62	105	2.00
RBT50-SLA19-105-W	19	40	105	4.00
RBT50-SLA19-150-W			150	4.40
RBT50-SLA20-105-W	20	40	105	4.00
RBT50-SLA20-150-W			150	4.40
RBT50-SLA24-105-W	24	45	105	4.10
RBT50-SLA24-150-W			150	4.50
RBT50-SLA25-105-W	25	45	105	4.10
RBT50-SLA25-150-W			150	4.50
RBT50-SLA32-105-W	32	62	105	4.40
RBT50-SLA32-150-W			150	5.25
RBT50-SLA40-150-W	40	80	150	6.10
RBT50-SLA50-165-W	50	90	165	8.00
RBT50-SLA60-200-W	60	100	200	11.0
HSK-A-100-SLA32-135-W	32	62	135	3.84
HSK-A-100-SLA40-165-W	40	80	165	6.01





強力夾頭專用套筒 Collet

型號 Type	內徑 Ød (mm)	外徑 ØD (mm)	全長 L (mm)	重量 Weight (kg)
C32-16	16	32	65	0.30
C32-19	19			0.25
C32-20	20			0.20
C32-24	24			0.18
C32-25	25			0.16





直柄整體式鎢鋼＋減震精、粗搪刀系列《搪孔範圍Ø16 - Ø75mm》

Tungsten Steel Finish / Rough Boring Tool《Boring Range from Ø16 - Ø75mm》

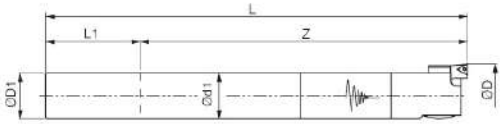
特 色

1.直柄鎢鋼桿+減震器+精密微調搪孔頭整體式的結合，可在搪孔加工上得到最大剛性與切削性能。
2.具有多種規格，自Ø16~Ø75均可搭配使用。
3.本產品應用在加工深度為柄徑的8~12倍深(8D~12D)，如果加工深度未達到10倍深，可將尾端切除部份以便於夾持時縮短伸出量(Z)，更能增加切削效能。



Features

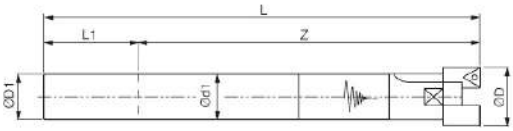
1.By integrating STABLELINE® technology into the combination of tungsten carbide tool bar, damper device and precision micro - adjustment boring head offers maximum stiffness and excellent surface finishes for your boring operations.
2.Boring range from Ø16 mm up to Ø75 mm in standard assortment.
3.The SC-SCBH series boring tools are ideal for successful boring operations at overhangs reaching from 8 up to 12 times bar diameter. In case the overhangs less than 10xD, cut the section from machine - clamp end to reduce the extension length (Z), thus to obtain the best machining stability and accuracy.



直柄整體式鎢鋼+減震精搪刀 Tungsten Steel Finish Boring Tool

型號 Type	搪孔範圍 ØD (mm) Boring Range	有效長 Z (mm)	總長 L (mm)	夾持長 L1(mm)	柄徑 ØD1(mm)	有效長柄徑 Ød1 (mm)	重量 Weight (kg)
SC16-SMBH16-245	16-20	160	245	85	16	15	0.50
SC16-SMBH16-295		210	295	85			0.80
SC19-SCBH20-270	20-26	190	270	80	19	19	1.02
SC19-SCBH20-320		240	320	80			1.17
SC24-SCBH25-330	25-33	250	330	80	24	24	1.84
SC24-SCBH25-380		300	380	80			2.21
SC32-SCBH32-400	32-42	310	400	90	32	31	3.51
SC32-SCBH32-450		360	450	90			4.04
SC40-SCBH40-520	40-55	400	520	120	40	39	6.05
SC40-SCBH40-600		480	600	120			8.09
SC50-SCBH52-670	52-75	520	670	150	50	50	14.31
SC50-SCBH52-770		620	770	150			16.24

※SMBH16、SCBH20、SCBH25無中心出水 ※W/O coolant thru. for SMBH16、SCBH20、SCBH25





直柄整體式鎢鋼+減震粗搪刀 Tungsten Steel Rough Boring Tool

型號 Type	搪孔範圍 ØD (mm) Boring Range	有效長 Z (mm)	總長 L (mm)	夾持長 L1(mm)	柄徑 ØD1(mm)	有效長柄徑 Ød1 (mm)	重量 Weight (kg)
SC16-SRBM16-245	15.8-20	160	245	85	16	15	0.50
SC16-SRBM16-295		210	295	85			0.80
SC19-SRBM20-270	19.8-26	190	270	80	19	19	1.02
SC19-SRBM20-320		240	320	80			1.17
SC24-SRBH25LA-335	24.8-33	255	335	80	24	24	1.84
SC24-SRBH25LA-385		305	385	80			2.12
SC32-SRBH32LA-405	31.8-42	315	405	90	32	31	3.51
SC32-SRBH32LA-455		365	455	90			4.04
SC40-SRBH40LA-530	39.8-55	410	530	120	40	39	6.05
SC40-SRBH40LA-610		490	610	120			8.09
SC50-SRBH52LA-675	51.8-75	525	675	150	50	50	14.31
SC50-SRBH52LA-775		625	775	150			16.24

※SRBM16, SRBM20, SRBH25LA無中心出水 ※W/O coolant thru. for SRBM16, SRBM20, SRBH25LA

RBT-SLBK 減震搪刀桿 RBT-SLBK Damped Boring Bar

專利產品 Patent Products

特 色

1. 在RBT刀桿上加裝減震器，搭配原本使用的搪頭，而得到更深的加工深度與更好的加工品質。
2. 本產品應用於加工深度為柄徑D的6~8倍長。
3. 如加工深度超出刀桿已設定的長度，則需改用RBT整體式減震刀桿系列。

Features

1. By integrating STABLELINE® SLBK damped bar into the RBT holder, the RBT-SLBK damped boring bar features longer-reach and excellent surface finishes even without changing to damped boring head.
2. The RBT-SLBK damped boring bars are ideal for successful boring operations at overhangs reaching from 6 up to 8 times bar diameter.
3. We strongly recommend to select RBT-SCBH/SRBH series integrated damped boring tools in case the overhangs exceed 8xD in your boring applications.



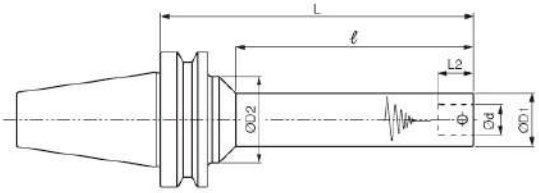


Fig 1.

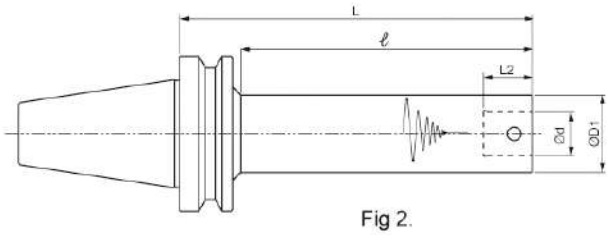


Fig 2.

規格 Specifications:

型號 Type	樣式 Fig	全長 L (mm)	小端長 ℓ (mm)	大端外徑 ØD2 (mm)	小端外徑 ØD1 (mm)	內徑 Ød (mm)	內徑長 L2 (mm)	接合搪頭 Applicable Boring Heads	重量 Weight (kg)
RBT40-SLBK2-150	1	150	110	39	24	14	18	CBH25, CBM27, RBH25LA	1.45
RBT40-SLBK2-175		175	135						1.51
RBT40-SLBK2-200		200	160						1.56
RBT40-SLBK3-200		200	160	50	31	18	22	CBH32, CBM35, RBH32LA	2.21
RBT40-SLBK3-230		230	190						2.34
RBT40-SLBK3-260		260	220						2.47
RBT40-SLBK4-235		235	200		39	22	26	CBH40, CBM45, RBH40LA	3.12
RBT40-SLBK4-275		275	240						3.42
RBT40-SLBK4-315		315	280						3.71
RBT40-SLBK5-310	2	310	280		50	28	32	CBH52, CBM55, RBH52LA	6.30
RBT40-SLBK6-295		295	270		64	36	42	CBH68, CBM68, RBH68&90LA	8.71
RBT50-SLBK2-160	1	160	110	39	24	14	18	CBH25, CBM27, RBH25LA	4.09
RBT50-SLBK2-185		185	135						4.15
RBT50-SLBK2-210		210	160						4.21
RBT50-SLBK3-220		220	160	50	31	18	22	CBH32, CBM35, RBH32LA	4.97
RBT50-SLBK3-250		250	190						5.15
RBT50-SLBK3-280		280	220						5.33
RBT50-SLBK4-260		260	205	64	39	22	26	CBH40, CBM45, RBH40LA	6.00
RBT50-SLBK4-300		300	245						6.24
RBT50-SLBK4-340		340	285						6.48
RBT50-SLBK5-310		310	265		50	28	32	CBH52, CBM55, RBH52LA	8.74
RBT50-SLBK5-355		355	310						9.39
RBT50-SLBK5-400		400	355						10.04
RBT50-SLBK6-375	2	375	330		64	36	42	CBH68, CBM68, RBH68&90LA	14.28
RBT50-SLBK6-440		440	395						15.11
RBT50-SLBK6-505		505	460						15.96

※SLBK2無中心出水 ※W/O coolant thru. for SLBK2

RBT-SLBK 減震搪刀桿 + RBH-LA 雙刃粗搪頭

RBT-SLBK Damped Boring Bar to RBH-LA Twin-Edge Rough Boring Head

專利產品 Patent Products





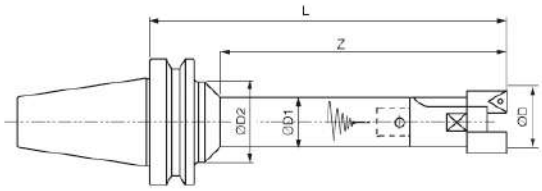


Fig 1.

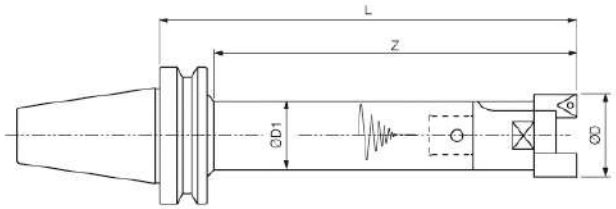


Fig 2.

規格 Specifications:

減震搪刀桿 Damped Boring Bar	RBH-LA粗搪頭 Rough Boring Head	樣式 Fig	搪孔範圍 Boring Range ØD (mm)	有效長 Z (mm)	總 長 L (mm)	刀桿外徑 (mm) ØD2	刀桿外徑 (mm) ØD1	重 量 Weight (kg)
RBT40-SLBK2-150	RBH25LA	1	25-35	160	200	39	24	1.60
RBT40-SLBK2-175				185	225			1.66
RBT40-SLBK2-200				210	250			1.71
RBT40-SLBK3-200	RBH32LA		32-45	220	260	50	31	2.51
RBT40-SLBK3-230				250	290			2.64
RBT40-SLBK3-260				280	320			2.77
RBT40-SLBK4-235	RBH40LA		40-55	270	305		39	3.72
RBT40-SLBK4-275				310	345			4.02
RBT40-SLBK4-315				350	385			4.31
RBT40-SLBK5-310	RBH52LA	2	52-75	360	390		50	7.30
RBT40-SLBK6-295	RBH68LA		68-100	360	385		64	11.21
RBT40-SLBK6-295	RBH90LA		90-130	370	395			11.81
RBT50-SLBK2-160	RBH25LA	1	25-35	160	210	39	24	4.24
RBT50-SLBK2-185				185	235			4.30
RBT50-SLBK2-210				210	260			4.36
RBT50-SLBK3-220	RBH32LA		32-45	220	280	50	31	5.27
RBT50-SLBK3-250				250	310			5.45
RBT50-SLBK3-280				280	340			5.63
RBT50-SLBK4-260	RBH40LA		40-55	275	330	64	39	6.60
RBT50-SLBK4-300				315	370			6.84
RBT50-SLBK4-340				355	410			7.08
RBT50-SLBK5-310	RBH52LA		52-75	345	390		50	9.74
RBT50-SLBK5-355				390	435			10.37
RBT50-SLBK5-400				435	480			11.04
RBT50-SLBK6-375	RBH68LA	2	68-100	420	465		64	16.78
RBT50-SLBK6-440				485	530			17.61
RBT50-SLBK6-505				550	595			18.46
RBT50-SLBK6-375	RBH90LA		90-130	430	475			17.38
RBT50-SLBK6-440				495	540			18.21
RBT50-SLBK6-505				560	605			19.06

RBT-SLBK減震搪刀桿 + CBH 精密微調搪頭

RBT-SLBK Damped Boring Bar to CBH Fine Boring Head

專利產品 Patent Products





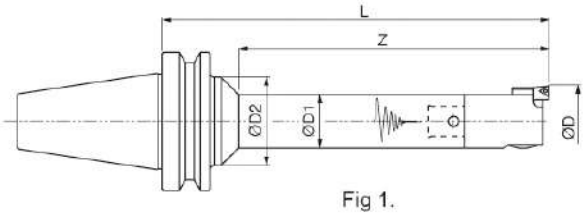


Fig 1.

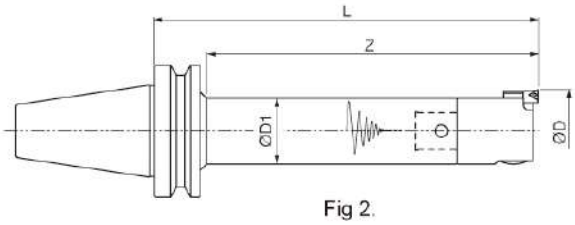


Fig 2.

規格 Specifications:

減震搪刀桿 Damped Boring Bar	CBH精搪頭 Fine Boring Head	樣式 Fig	搪孔範圍 Boring Range ØD (mm)	有效長 Z (mm)	總 長 L (mm)	刀桿外徑(mm) ØD2	刀桿外徑(mm) ØD1	重 量 Weight (kg)
RBT40-SLBK2-150	CBH25	1	25-33	150	190	39	24	1.65
RBT40-SLBK2-175				175	215			1.71
RBT40-SLBK2-200				200	240			1.76
RBT40-SLBK3-200	CBH32		32-42	200	240	50	31	2.51
RBT40-SLBK3-230				230	270			2.64
RBT40-SLBK3-260				260	300			2.77
RBT40-SLBK4-235	CBH40		40-55	250	285		39	3.62
RBT40-SLBK4-275				290	325			3.92
RBT40-SLBK4-315				330	365			4.21
RBT40-SLBK5-310	CBH52	2	52-75	340	370		50	7.30
RBT40-SLBK6-295	CBH68		68-100	340	365		64	10.71
RBT40-SLBK6-295	CBH100		100-152	340	365			11.61
RBT50-SLBK2-160	CBH25	1	25-33	150	200	39	24	4.29
RBT50-SLBK2-185				175	225			4.35
RBT50-SLBK2-210				200	250			4.41
RBT50-SLBK3-220	CBH32		32-42	200	260	50	31	5.27
RBT50-SLBK3-250				230	290			5.45
RBT50-SLBK3-280				260	320			5.63
RBT50-SLBK4-260	CBH40		40-55	255	310	64	39	6.50
RBT50-SLBK4-300				295	350			6.74
RBT50-SLBK4-340				335	390			6.98
RBT50-SLBK5-310	CBH52		52-75	325	370		50	9.74
RBT50-SLBK5-355				370	415			10.39
RBT50-SLBK5-400				415	460			11.04
RBT50-SLBK6-375	CBH68	2	68-100	400	445		64	16.28
RBT50-SLBK6-440				465	510			17.11
RBT50-SLBK6-505				530	575			17.96
RBT50-SLBK6-375	CBH100		100-152	400	445			17.18
RBT50-SLBK6-440				465	510			18.01
RBT50-SLBK6-505				530	575			18.86

RBT-SLBK 減震搪刀桿 + CBM 精密微調搪頭

RBT-SLBK Damped Boring Bar to CBM Fine Boring Head

專利產品 Patent Products





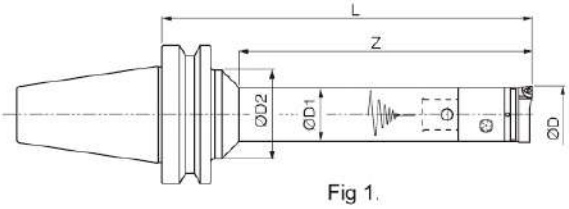


Fig 1.

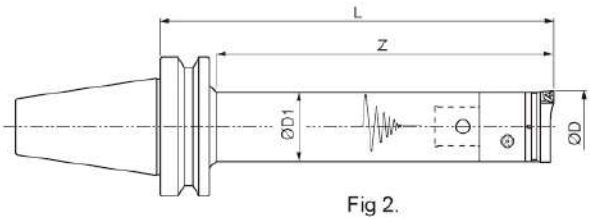


Fig 2.

規格 Specifications:

減震搪刀桿 Damped Boring Bar	CBM精搪頭 Fine Boring Head	樣式 Fig	搪孔範圍 Boring Range ØD (mm)	有效長 Z (mm)	總長 L (mm)	刀桿外徑(mm) ØD2	刀桿外徑(mm) ØD1	重量 Weight (kg)
RBT40-SLBK2-150	CBM27-SP27	1	27-40	160	200	39	24	1.62
RBT40-SLBK2-175				185	225			1.68
RBT40-SLBK3-200	CBM35-SP35		35-50	225	265	50	31	2.57
RBT40-SLBK3-230				255	295			2.70
RBT40-SLBK4-235	CBM45-SP45		45-65	280	315		39	3.83
RBT40-SLBK4-275				320	355			4.13
RBT40-SLBK5-310	CBM55-SP55	2	55-80	365	395		50	7.34
RBT40-SLBK6-295	CBM68-SP68		68-104	370	395		64	10.71
RBT40-SLBK6-295	CBM68-SP100		100-154	370	395			10.82
RBT50-SLBK2-160	CBM27-SP27	1	27-40	160	210	39	24	4.26
RBT50-SLBK2-185				185	235			4.32
RBT50-SLBK3-220	CBM35-SP35		35-50	225	285	50	31	5.33
RBT50-SLBK3-250				255	315			5.51
RBT50-SLBK4-260	CBM45-SP45		45-65	285	340	64	39	6.71
RBT50-SLBK4-300				325	380			6.95
RBT50-SLBK5-310	CBM55-SP55		55-80	350	395		50	9.78
RBT50-SLBK5-355				395	440			10.43
RBT50-SLBK6-375	CBM68-SP68	2	68-104	430	475		64	16.28
RBT50-SLBK6-440				495	540			17.11
RBT50-SLBK6-375	CBM68-SP100		100-154	430	475			16.39
RBT50-SLBK6-440				495	540			17.22

LBK 減震異徑微調精搪頭-組合式
LBK Integrated Modular Damped Fine Boring Tool

專利產品 Patent Products

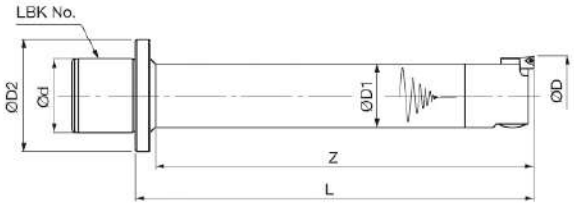
特 色

1. 刀桿本體採用LBK雙邊拉力接合方式，可與任何相對應的LBK主軸刀桿相結合，獲得最大的精度與剛性。
2. 在不同主軸規格的機床上，可選用相對應的LBK 刀桿，進行不同的組合應用，具備更多的加工便利性及經濟效益。

Features

1. The bar body is designed with LBK bilateral pull-back clamping mechanism and is interchangeable with suitable LBK tool holder types, thus produces the best rigidity and superior cutting.
2. Selecting suitable LBK integrated modular damped fine boring tools in accordance with spindle of every variety. The combination offers great flexibility with a large number of boring tools suitable for a wide range of applications.





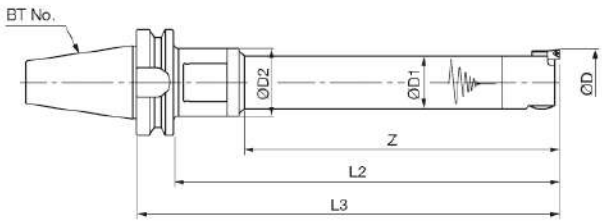
規格 Specifications:

型號 Type	搪孔範圍 ØD(mm) Boring Range	Ød (mm)	大端外徑 ØD2(mm)	小端外徑 ØD1 (mm)	有效長 Z (mm)	總 長 L (mm)	重 量 Weight (kg)
LBK6-1-SCBH20-150	20-26	36	64	19	120	150	1.02
LBK6-1-SCBH20-170					140	170	1.09
LBK6-1-SCBH20-190					160	190	1.22
LBK6-2-SCBH25-175	25-33			24	150	175	1.33
LBK6-2-SCBH25-200					175	200	1.40
LBK6-2-SCBH25-225					200	225	1.48
LBK6-3-SCBH32-215	32-42			31	190	215	2.01
LBK6-3-SCBH32-245					220	245	2.16
LBK6-3-SCBH32-275					250	275	2.30
LBK6-4-SCBH40-260	40-55			39	240	260	3.11
LBK6-4-SCBH40-300					280	300	3.39
LBK6-4-SCBH40-340					320	340	3.73
LBK6-5-SCBH52-315	52-75			50	300	315	5.77
LBK6-5-SCBH52-365					350	365	6.39
LBK6-5-SCBH52-415					400	415	7.01
LBK7-4-SCBH40-270	40-55	58	88	39	240	270	4.12
LBK7-4-SCBH40-310					280	310	4.43
LBK7-4-SCBH40-350					320	350	4.75
LBK7-45-SCBH46-325	46-55			45	300	325	4.88
LBK7-45-SCBH46-375					350	375	5.35
LBK7-45-SCBH46-425					400	425	5.82
LBK7-5-SCBH52-325	52-75			50	300	325	6.77
LBK7-5-SCBH52-375					350	375	7.37
LBK7-5-SCBH52-425					400	425	8.00
LBK7-6-SCBH68-420	68-100			64	400	420	12.56
LBK7-6-SCBH68-480					460	480	13.81
LBK7-6-SCBH68-540					520	540	15.05

※SCBH20、SCBH25無中心出水 ※W/O coolant thru. for SCBH20、SCBH25

RBT刀桿+LBK減震異徑微調精搪頭
RBT Holder to LBK Integrated Modular Damped Fine Boring Tool

專利產品 Patent Products





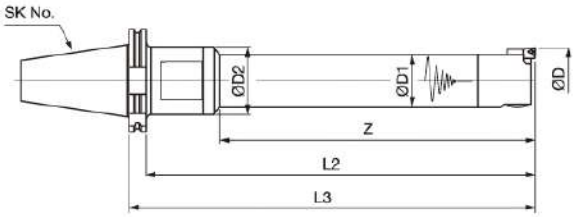
規格 Specifications:

組合內容 Type		搪孔範圍 ØD(mm) Boring Range	大端外徑 ØD2(mm)	小端外徑 ØD1 (mm)	有效長 Z (mm)	有效長+連接 L2 (mm)	總 長 L3 (mm)	重 量 Weight (kg)
主軸刀桿 Tool Holder	減震異徑微調精搪頭 Boring Tool							
RBT40-LBK6-65	LBK6-1-SCBH20-150	20-26	64	19	120	190	215	2.32
	LBK6-1-SCBH20-170				140	210	235	2.39
	LBK6-1-SCBH20-190				160	230	255	2.52
	LBK6-2-SCBH25-175	25-33		24	150	215	240	2.63
	LBK6-2-SCBH25-200				175	240	265	2.70
	LBK6-2-SCBH25-225				200	265	290	2.78
	LBK6-3-SCBH32-215	32-42		31	190	255	280	3.31
	LBK6-3-SCBH32-245				220	285	310	3.46
	LBK6-3-SCBH32-275				250	315	340	3.60
	LBK6-4-SCBH40-260	40-55		39	240	300	325	4.41
	LBK6-4-SCBH40-300				280	340	365	4.69
	LBK6-4-SCBH40-340				320	380	405	5.03
	LBK6-5-SCBH52-315	52-75		50	300	355	380	7.07
	LBK6-5-SCBH52-365				350	405	430	7.69
	LBK6-5-SCBH52-415				400	455	480	8.31
RBT50-LBK6-75	LBK6-1-SCBH20-150	20-26	64	19	120	190	225	5.52
	LBK6-1-SCBH20-170				140	210	245	5.59
	LBK6-1-SCBH20-190				160	230	265	5.72
	LBK6-2-SCBH25-175	25-33		24	150	215	250	5.83
	LBK6-2-SCBH25-200				175	240	275	5.90
	LBK6-2-SCBH25-225				200	265	300	5.98
	LBK6-3-SCBH32-215	32-42		31	190	255	290	6.51
	LBK6-3-SCBH32-245				220	285	320	6.66
	LBK6-3-SCBH32-275				250	315	350	6.80
	LBK6-4-SCBH40-260	40-55		39	240	300	335	7.61
	LBK6-4-SCBH40-300				280	340	375	7.89
	LBK6-4-SCBH40-340				320	380	415	8.23
	LBK6-5-SCBH52-315	52-75		50	300	355	390	10.27
	LBK6-5-SCBH52-365				350	405	440	10.89
	LBK6-5-SCBH52-415				400	455	490	11.51
RBT50-LBK7-100	LBK7-4-SCBH40-270	40-55	88	39	240	335	370	8.92
	LBK7-4-SCBH40-310				280	375	410	9.23
	LBK7-4-SCBH40-350				320	415	450	9.55
	LBK7-45-SCBH46-325	46-55		45	300	390	425	9.68
	LBK7-45-SCBH46-375				350	440	475	10.15
	LBK7-45-SCBH46-425				400	490	525	10.62
	LBK7-5-SCBH52-325	52-75		50	300	390	425	11.57
	LBK7-5-SCBH52-375				350	440	475	12.17
	LBK7-5-SCBH52-425				400	490	525	12.80
	LBK7-6-SCBH68-420	68-100		64	400	485	520	17.36
	LBK7-6-SCBH68-480				460	545	580	18.61
	LBK7-6-SCBH68-540				520	605	640	19.85

SK刀桿+LBK減震異徑微調精搪頭

SK Holder to LBK Integrated Modular Damped Fine Boring Tool

專利產品 Patent Products



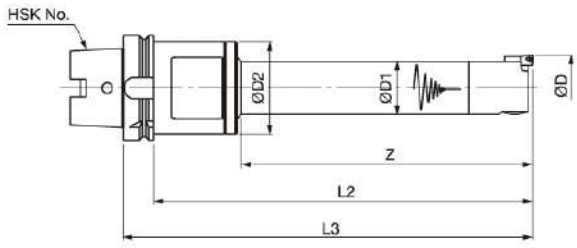


規格 Specifications:

組合內容 Type		搪孔範圍 ØD(mm)	大端外徑	小端外徑	有效長	有效長+連接	總 長	重 量
主軸刀桿 Tool Holder	減震異徑微調精搪頭 Boring Tool	Boring Range	ØD2(mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	Weight (kg)
SK40-LBK6-65	LBK6-1-SCBH20-150	20-26	64	19	120	195	215	2.50
	LBK6-1-SCBH20-170				140	215	235	2.57
	LBK6-1-SCBH20-190				160	235	255	2.70
	LBK6-2-SCBH25-175	25-33		24	150	220	240	2.81
	LBK6-2-SCBH25-200				175	245	265	2.88
	LBK6-2-SCBH25-225				200	270	290	2.96
	LBK6-3-SCBH32-215	32-42		31	190	260	280	3.49
	LBK6-3-SCBH32-245				220	290	310	3.64
	LBK6-3-SCBH32-275				250	320	340	3.78
	LBK6-4-SCBH40-260	40-55		39	240	305	325	4.59
	LBK6-4-SCBH40-300				280	345	365	4.87
	LBK6-4-SCBH40-340				320	385	405	5.21
	LBK6-5-SCBH52-315	52-75		50	300	360	380	7.25
	LBK6-5-SCBH52-365				350	410	430	7.87
	LBK6-5-SCBH52-415				400	460	480	8.49
SK50-LBK6-95	LBK6-1-SCBH20-150	20-26	64	19	120	225	245	5.04
	LBK6-1-SCBH20-170				140	245	265	5.11
	LBK6-1-SCBH20-190				160	265	285	5.24
	LBK6-2-SCBH25-175	25-33		24	150	250	270	5.35
	LBK6-2-SCBH25-200				175	275	295	5.42
	LBK6-2-SCBH25-225				200	300	320	5.50
	LBK6-3-SCBH32-215	32-42		31	190	290	310	6.03
	LBK6-3-SCBH32-245				220	320	340	6.18
	LBK6-3-SCBH32-275				250	350	370	6.32
	LBK6-4-SCBH40-260	40-55		39	240	335	355	7.13
	LBK6-4-SCBH40-300				280	375	395	7.41
	LBK6-4-SCBH40-340				320	415	435	7.75
	LBK6-5-SCBH52-315	52-75		50	300	390	410	9.79
	LBK6-5-SCBH52-365				350	440	460	10.41
	LBK6-5-SCBH52-415				400	490	510	11.03
SK50-LBK7-100	LBK7-4-SCBH40-270	40-55	88	39	240	350	370	8.97
	LBK7-4-SCBH40-310				280	390	410	9.28
	LBK7-4-SCBH40-350				320	430	450	9.60
	LBK7-45-SCBH46-325	46-55		45	300	405	425	9.73
	LBK7-45-SCBH46-375				350	455	475	10.20
	LBK7-45-SCBH46-425				400	505	525	10.67
	LBK7-5-SCBH52-325	52-75		50	300	405	425	11.62
	LBK7-5-SCBH52-375				350	455	475	12.22
	LBK7-5-SCBH52-425				400	505	525	12.85
	LBK7-6-SCBH68-420	68-100		64	400	500	520	17.41
	LBK7-6-SCBH68-480				460	560	580	18.66
	LBK7-6-SCBH68-540				520	620	640	19.90

HSK 刀桿+LBK減震異徑微調精搪頭
HSK Holder to LBK Integrated Modular Damped Fine Boring Tool

專利產品 Patent Products





規格 Specifications:

組合內容 Type		搪孔範圍 ØD(mm)	大端外徑	小端外徑	有效長	有效長+連接	總 長	重 量
主軸刀桿 Tool Holder	減震異徑微調精搪頭 Boring Tool	Boring Range	ØD2(mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	Weight (kg)
HSK-A63-LBK6-70	LBK6-1-SCBH20-150	20-26	64	19	120	195	220	2.29
	LBK6-1-SCBH20-170				140	215	240	2.36
	LBK6-1-SCBH20-190				160	235	260	2.49
	LBK6-2-SCBH25-175	25-33		24	150	220	245	2.60
	LBK6-2-SCBH25-200				175	245	270	2.67
	LBK6-2-SCBH25-225				200	270	295	2.75
	LBK6-3-SCBH32-215	32-42		31	190	260	285	3.28
	LBK6-3-SCBH32-245				220	290	315	3.43
	LBK6-3-SCBH32-275				250	320	345	3.57
	LBK6-4-SCBH40-260	40-55		39	240	305	330	4.38
	LBK6-4-SCBH40-300				280	345	370	4.66
	LBK6-4-SCBH40-340				320	385	410	5.00
	LBK6-5-SCBH52-315	52-75		50	300	360	385	7.04
	LBK6-5-SCBH52-365				350	410	435	7.66
	LBK6-5-SCBH52-415				400	460	485	8.28
HSK-A100-LBK6-75	LBK6-1-SCBH20-150	20-26	64	19	120	195	225	3.85
	LBK6-1-SCBH20-170				140	215	245	3.92
	LBK6-1-SCBH20-190				160	235	265	4.05
	LBK6-2-SCBH25-175	25-33		24	150	220	250	4.16
	LBK6-2-SCBH25-200				175	245	275	4.23
	LBK6-2-SCBH25-225				200	270	300	4.31
	LBK6-3-SCBH32-215	32-42		31	190	260	290	4.84
	LBK6-3-SCBH32-245				220	290	320	4.99
	LBK6-3-SCBH32-275				250	320	350	5.13
	LBK6-4-SCBH40-260	40-55		39	240	305	335	5.94
	LBK6-4-SCBH40-300				280	345	375	6.22
	LBK6-4-SCBH40-340				320	385	415	6.56
	LBK6-5-SCBH52-315	52-75		50	300	360	390	8.60
	LBK6-5-SCBH52-365				350	410	440	9.22
	LBK6-5-SCBH52-415				400	460	490	9.84
HSK-A100-LBK7-100	LBK7-4-SCBH40-270	40-55	88	39	240	340	370	8.21
	LBK7-4-SCBH40-310				280	380	410	8.52
	LBK7-4-SCBH40-350				320	420	450	8.84
	LBK7-45-SCBH46-325	46-55		45	300	395	425	8.96
	LBK7-45-SCBH46-375				350	445	475	9.43
	LBK7-45-SCBH46-425				400	495	525	9.90
	LBK7-5-SCBH52-325	52-75		50	300	395	425	10.86
	LBK7-5-SCBH52-375				350	445	475	11.46
	LBK7-5-SCBH52-425				400	495	525	12.08
	LBK7-6-SCBH68-420	68-100		64	400	490	520	16.65
	LBK7-6-SCBH68-480				460	550	580	17.90
	LBK7-6-SCBH68-540				520	610	640	19.14

LBK 減震異徑粗搪頭-組合式

LBK Integrated Modular Damped Rough Boring Tool

專利產品 Patent Products

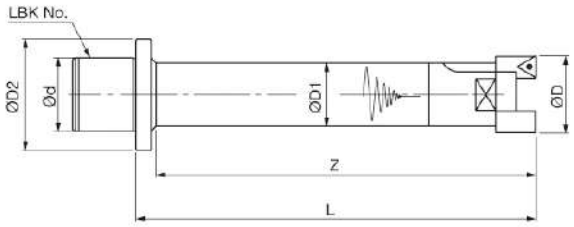
特 色

1. 刀桿本體採用LBK雙邊拉力接合方式，可與任何相對應的LBK主軸刀桿相結合，獲得最大的精度與剛性。
2. 在不同主軸規格的機床上，可選用相對應的LBK 刀桿，進行不同的組合應用，具備更多的加工便利性及經濟效益。

Features

1. The bar body is designed with LBK bilateral pull-back clamping mechanism and is interchangeable with suitable LBK tool holder types, thus produces the best rigidity and superior cutting.
2. Selecting suitable LBK integrated modular damped rough boring tools in accordance with spindle of every variety. The combination offers great flexibility with a large number of boring tools suitable for a wide range of applications.





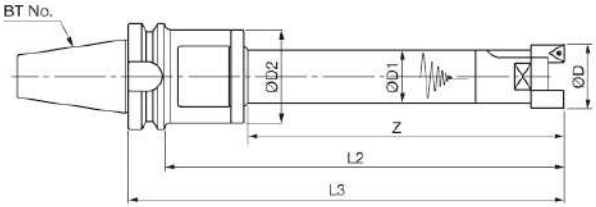
規 格 Specifications:

型號 Type	搪孔範圍 ØD(mm) Boring Range	Ød (mm)	大端外徑 ØD2(mm)	小端外徑 ØD1 (mm)	有效長 Z (mm)	總 長 L (mm)	重 量 Weight (kg)
LBK6-2-SRBH25LA-180	25-35	36	64	24	155	180	1.33
LBK6-2-SRBH25LA-205					180	205	1.40
LBK6-2-SRBH25LA-230					205	230	1.48
LBK6-3-SRBH32LA-220	32-45			31	195	220	2.01
LBK6-3-SRBH32LA-250					225	250	2.16
LBK6-3-SRBH32LA-280					255	280	2.30
LBK6-4-SRBH40LA-270	40-55			39	250	270	3.11
LBK6-4-SRBH40LA-310					290	310	3.39
LBK6-4-SRBH40LA-350					330	350	3.73
LBK6-5-SRBH52LA-320	52-75			50	305	320	5.77
LBK6-5-SRBH52LA-370					355	370	6.39
LBK6-5-SRBH52LA-420					405	420	7.01
LBK7-4-SRBH40LA-280	40-55	58	88	39	250	280	4.12
LBK7-4-SRBH40LA-320					290	320	4.43
LBK7-4-SRBH40LA-360					330	360	4.75
LBK7-45-SRBH46LA-335	46-55			45	310	335	4.88
LBK7-45-SRBH46LA-385					360	385	5.35
LBK7-45-SRBH46LA-435					410	435	5.82
LBK7-5-SRBH52LA-330	52-75			50	305	330	6.77
LBK7-5-SRBH52LA-380					355	380	7.37
LBK7-5-SRBH52LA-430					405	430	8.00
LBK7-6-SRBH68LA-425	68-100			64	405	425	12.56
LBK7-6-SRBH68LA-485					465	485	13.81
LBK7-6-SRBH68LA-545					525	545	15.05

※SRBH25LA無中心出水 ※W/O coolant thru. for SRBH25LA

RBT刀桿+LBK減震異徑粗搪頭
RBT Holder to LBK Integrated Modular Damped Rough Boring Tool

專利產品
Patent Products



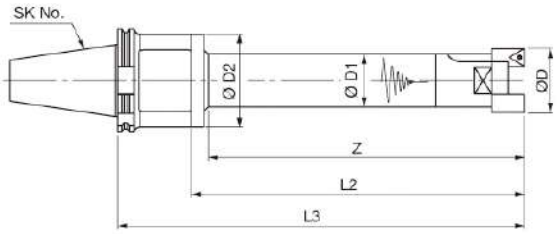


規格 Specifications:

組合內容 Type		搪孔範圍 ØD(mm)	大端外徑	小端外徑	有效長	有效長+連接	總長	重量
主軸刀桿 Tool Holder	減震異徑粗搪頭 Boring Tool	Boring Range	ØD2(mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	Weight (kg)
RBT40-LBK6-65	LBK6-2-SRBH25LA-180	25-35	64	24	155	220	245	2.63
	LBK6-2-SRBH25LA-205				180	245	270	2.70
	LBK6-2-SRBH25LA-230				205	270	295	2.78
	LBK6-3-SRBH32LA-220	32-45		31	195	260	285	3.31
	LBK6-3-SRBH32LA-250				225	290	315	3.46
	LBK6-3-SRBH32LA-280				255	320	345	3.60
	LBK6-4-SRBH40LA-270	40-55		39	250	310	335	4.41
	LBK6-4-SRBH40LA-310				290	350	375	4.69
	LBK6-4-SRBH40LA-350				330	390	415	5.03
	LBK6-5-SRBH52LA-320	52-75		50	305	360	385	7.07
	LBK6-5-SRBH52LA-370				355	410	435	7.69
	LBK6-5-SRBH52LA-420				405	460	485	8.31
RBT50-LBK6-75	LBK6-2-SRBH25LA-180	25-35	64	24	155	220	255	5.83
	LBK6-2-SRBH25LA-205				180	245	280	5.90
	LBK6-2-SRBH25LA-230				205	270	305	5.98
	LBK6-3-SRBH32LA-220	32-45		31	195	260	295	6.51
	LBK6-3-SRBH32LA-250				225	290	325	6.66
	LBK6-3-SRBH32LA-280				255	320	355	6.80
	LBK6-4-SRBH40LA-270	40-55		39	250	310	345	7.61
	LBK6-4-SRBH40LA-310				290	350	385	7.89
	LBK6-4-SRBH40LA-350				330	390	425	8.23
	LBK6-5-SRBH52LA-320	52-75		50	305	360	395	10.27
	LBK6-5-SRBH52LA-370				355	410	445	10.89
	LBK6-5-SRBH52LA-420				405	460	495	11.51
RBT50-LBK7-100	LBK7-4-SRBH40LA-280	40-55	88	39	250	345	380	8.92
	LBK7-4-SRBH40LA-320				290	385	420	9.23
	LBK7-4-SRBH40LA-360				330	425	460	9.55
	LBK7-45-SRBH46LA-335	46-55		45	310	400	435	9.68
	LBK7-45-SRBH46LA-385				360	450	485	10.15
	LBK7-45-SRBH46LA-435				410	500	535	10.62
	LBK7-5-SRBH52LA-330	52-75		50	305	395	430	11.57
	LBK7-5-SRBH52LA-380				355	445	480	12.17
	LBK7-5-SRBH52LA-430				405	495	530	12.80
	LBK7-6-SRBH68LA-425	68-100		64	405	490	525	17.36
	LBK7-6-SRBH68LA-485				465	550	585	18.61
	LBK7-6-SRBH68LA-545				525	610	645	19.85

SK刀桿+LBK減震異徑粗搪頭
SK Holder to LBK Integrated Modular Damped Rough Boring Tool

專利產品 Patent Products





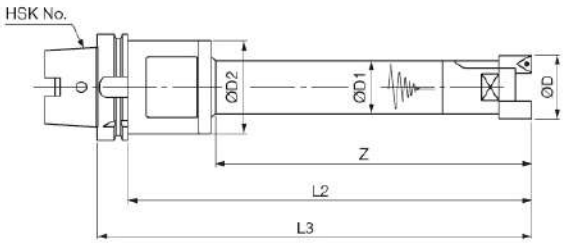
規格 Specifications:

組合內容 Type		搪孔範圍 ØD(mm)	大端外徑	小端外徑	有效長	有效長+連接	總 長	重 量
主軸刀桿 Tool Holder	減震異徑粗搪頭 Boring Tool	Boring Range	ØD2(mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	Weight (kg)
SK40-LBK6-65	LBK6-2-SRBH25LA-180	25-35	64	24	155	225	245	2.81
	LBK6-2-SRBH25LA-205				180	250	270	2.88
	LBK6-2-SRBH25LA-230				205	275	295	2.96
	LBK6-3-SRBH32LA-220	32-45		31	195	265	285	3.49
	LBK6-3-SRBH32LA-250				225	295	315	3.64
	LBK6-3-SRBH32LA-280				255	325	345	3.78
	LBK6-4-SRBH40LA-270	40-55		39	250	315	335	4.59
	LBK6-4-SRBH40LA-310				290	355	375	4.87
	LBK6-4-SRBH40LA-350				330	395	415	5.21
	LBK6-5-SRBH52LA-320	52-75		50	305	365	385	7.25
	LBK6-5-SRBH52LA-370				355	415	435	7.87
	LBK6-5-SRBH52LA-420				405	465	485	8.49
SK50-LBK6-95	LBK6-2-SRBH25LA-180	25-35	64	24	155	255	275	5.35
	LBK6-2-SRBH25LA-205				180	280	300	5.42
	LBK6-2-SRBH25LA-230				205	305	325	5.50
	LBK6-3-SRBH32LA-220	32-45		31	195	295	315	6.03
	LBK6-3-SRBH32LA-250				225	325	345	6.18
	LBK6-3-SRBH32LA-280				255	355	375	6.32
	LBK6-4-SRBH40LA-270	40-55		39	250	345	365	7.13
	LBK6-4-SRBH40LA-310				290	385	405	7.41
	LBK6-4-SRBH40LA-350				330	425	445	7.75
	LBK6-5-SRBH52LA-320	52-75		50	305	395	415	9.79
	LBK6-5-SRBH52LA-370				355	445	465	10.41
	LBK6-5-SRBH52LA-420				405	495	515	11.03
SK50-LBK7-100	LBK7-4-SRBH40LA-280	40-55	88	39	250	360	380	8.14
	LBK7-4-SRBH40LA-320				290	400	420	8.45
	LBK7-4-SRBH40LA-360				330	440	460	8.77
	LBK7-45-SRBH46LA-335	46-55		45	310	415	435	8.90
	LBK7-45-SRBH46LA-385				360	465	485	9.37
	LBK7-45-SRBH46LA-435				410	515	535	9.84
	LBK7-5-SRBH52LA-330	52-75		50	305	410	430	10.79
	LBK7-5-SRBH52LA-380				355	460	480	11.39
	LBK7-5-SRBH52LA-430				405	510	530	12.02
	LBK7-6-SRBH68LA-425	68-100		64	405	505	525	16.58
	LBK7-6-SRBH68LA-485				465	565	585	17.83
	LBK7-6-SRBH68LA-545				525	625	645	19.07

HSK 刀桿+LBK減震異徑粗搪頭

HSK Holder to LBK Integrated Modular Damped Rough Boring Tool

專利產品 Patent Products





規格 Specifications:

組合內容 Type		搪孔範圍 ØD(mm)	大端外徑	小端外徑	有效長	有效長+連接	總 長	重 量
主軸刀桿 Tool Holder	減震異徑粗搪頭 Boring Tool	Boring Range	ØD2(mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	Weight (kg)
HSK-A63-LBK6-70	LBK6-2-SRBH25LA-180	25-35	64	24	155	225	250	2.60
	LBK6-2-SRBH25LA-205				180	250	275	2.67
	LBK6-2-SRBH25LA-230				205	275	300	2.75
	LBK6-3-SRBH32LA-220	32-45		31	195	265	290	3.28
	LBK6-3-SRBH32LA-250				225	295	320	3.43
	LBK6-3-SRBH32LA-280				255	325	350	3.57
	LBK6-4-SRBH40LA-270	40-55		39	250	315	340	4.38
	LBK6-4-SRBH40LA-310				290	355	380	4.66
	LBK6-4-SRBH40LA-350				330	395	420	5.00
	LBK6-5-SRBH52LA-320	52-75		50	305	365	390	7.04
	LBK6-5-SRBH52LA-370				355	415	440	7.66
	LBK6-5-SRBH52LA-420				405	465	490	8.28
HSK-A100-LBK6-75	LBK6-2-SRBH25LA-180	25-35	64	24	155	225	255	4.16
	LBK6-2-SRBH25LA-205				180	250	280	4.23
	LBK6-2-SRBH25LA-230				205	275	305	4.31
	LBK6-3-SRBH32LA-220	32-45		31	195	265	295	4.84
	LBK6-3-SRBH32LA-250				225	295	325	4.99
	LBK6-3-SRBH32LA-280				255	325	355	5.13
	LBK6-4-SRBH40LA-270	40-55		39	250	315	345	5.94
	LBK6-4-SRBH40LA-310				290	355	385	6.22
	LBK6-4-SRBH40LA-350				330	395	425	6.56
	LBK6-5-SRBH52LA-320	52-75		50	305	365	395	8.60
	LBK6-5-SRBH52LA-370				355	415	445	9.22
	LBK6-5-SRBH52LA-420				405	465	495	9.84
HSK-A100-LBK7-100	LBK7-4-SRBH40LA-280	40-55	88	39	250	350	380	8.21
	LBK7-4-SRBH40LA-320				290	390	420	8.52
	LBK7-4-SRBH40LA-360				330	430	460	8.84
	LBK7-45-SRBH46LA-335	46-55		45	310	405	435	8.96
	LBK7-45-SRBH46LA-385				360	455	485	9.43
	LBK7-45-SRBH46LA-435				410	505	535	9.90
	LBK7-5-SRBH52LA-330	52-75		50	305	400	430	10.86
	LBK7-5-SRBH52LA-380				355	450	480	11.46
	LBK7-5-SRBH52LA-430				405	500	530	12.08
	LBK7-6-SRBH68LA-425	68-100		64	405	495	525	16.65
	LBK7-6-SRBH68LA-485				465	555	585	17.90
	LBK7-6-SRBH68LA-545				525	615	645	19.14

RBT-FMH 減震面銑刀桿系列 BT-FMH Series Damped Milling Tool

專利產品 Patent Products

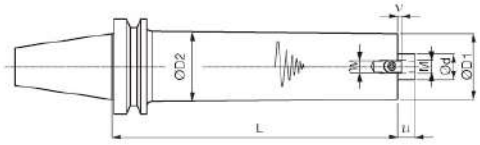
特 色

1. 本產品使用中空刀桿與動態減震器，可吸收徑向與軸向的震動。
2. 可適用市面上所有通用的銑刀盤。
3. 本產品與相同長度的銑刀桿相比，可得到更快的切削進給及良好的加工表面精度。

Features

1. With configuration of hollow type tool body and dynamic vibration absorber, the STABLELINE® integrated FMH damped milling tools provide you the required reach and vibration resulting from axial and radial kinetic energy can be dampened efficiently.
2. A versatile option with high levels of interchangeability, the FMH damped milling tool series features replaceable head milling cutters for all kinds of applications.
3. FMH damped milling tools optimize cutting speed and feed, offering higher productive machining compared to other milling tools of equivalent length.





規格 - 公制刀盤適用 Specifications - for metric system

型號 Type	刀桿長 L (mm)	大端外徑 ØD2 (mm)	小端外徑 ØD1 (mm)	心軸外徑 Ød (mm)	心軸長 u (mm)	鍵高 v (mm)	鍵寬 w (mm)	螺紋孔 M	重量 Weight (kg)
RBT40-FMH16-150-D38	150	38	38	16	16.5	4.3	8	M8	3.05
RBT40-FMH16-200-D38	200								3.89
RBT40-FMH16-250-D38	250								4.64
RBT40-FMH16-300-D38	300								5.44
RBT40-FMH22-150-D48	150	48	48	22	18	4.3	10	M10	4.10
RBT40-FMH22-200-D48	200								4.98
RBT40-FMH22-250-D48	250								5.73
RBT40-FMH22-300-D48	300								6.53
RBT50-FMH16-200-D38	200	38	38	16	16.5	4.3	8	M8	6.69
RBT50-FMH16-250-D38	250								7.44
RBT50-FMH16-300-D38	300								8.24
RBT50-FMH22-200-D48	200	48	48	22	18	4.3	10	M10	5.18
RBT50-FMH22-250-D48	250								5.85
RBT50-FMH22-300-D48	300								6.58
RBT50-FMH22-350-D48	350								7.25
RBT50-FMH22-400-D48	400								7.92
RBT50-FMH22-250-D58	250	62	58						6.65
RBT50-FMH22-300-D58	300								7.46
RBT50-FMH22-350-D58	350								8.33
RBT50-FMH22-400-D58	400								9.20
RBT50-FMH22-450-D58	450								10.07
RBT50-FMH22-500-D58	500								10.94
RBT50-FMH27-250-D58	250			27	20	5.8	12	M12	6.73
RBT50-FMH27-300-D58	300								7.56
RBT50-FMH27-350-D58	350								8.43
RBT50-FMH27-400-D58	400								9.30
RBT50-FMH27-450-D58	450								10.17
RBT50-FMH27-500-D58	500								11.04
RBT50-FMH27-250-D74	250	78	74						7.65
RBT50-FMH27-300-D74	300								8.74
RBT50-FMH27-350-D74	350								9.89
RBT50-FMH27-400-D74	400								11.03
RBT50-FMH27-450-D74	450								12.25
RBT50-FMH27-500-D74	500								13.33
RBT50-FMH27-550-D74	550								14.48
RBT50-FMH27-600-D74	600								15.60
RBT50-FMH32-250-D74	250			32	21	6.8	14	M16	7.53
RBT50-FMH32-300-D74	300								8.90
RBT50-FMH32-350-D74	350								10.08
RBT50-FMH32-400-D74	400								11.20
RBT50-FMH32-450-D74	450								12.35
RBT50-FMH32-500-D74	500								13.50
RBT50-FMH32-550-D74	550								14.72
RBT50-FMH32-600-D74	600								15.80

注意事項 1. 減震銑刀桿適合一層層的銑削方式去除材料，不適合採用插銑的加工方式。 2. 長時間銑削需搭配冷卻液或氣體冷卻刀桿本體，加工造成的刀桿溫度上升需控制在120°C 以內。

HSK-FMH 減震面銑刀桿系列 HSK-FMH Series Damped Milling Tool

專利產品 Patent Products

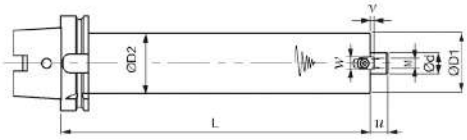
特 色

1. 本產品使用中空刀桿與動態減震器，可吸收徑向與軸向的震動。
2. 可適用市面上所有通用的銑刀盤。
3. 本產品與相同長度的銑刀桿相比，可得到更快的切削進給及良好的加工表面精度。

Features

1. With configuration of hollow type tool body and dynamic vibration absorber, the STABLELINE® integrated FMH damped milling tools provide you the required reach and vibration resulting from axial and radial kinetic energy can be dampened efficiently.
2. A versatile option with high levels of interchangeability, the FMH damped milling tool series features replaceable head milling cutters for all kinds of applications.
3. FMH damped milling tools optimize cutting speed and feed, offering higher productive machining compared to other milling tools of equivalent length.





型號 Type	刀桿長 L (mm)	大端外徑 ØD2(mm)	小端外徑 ØD1 (mm)	心軸外徑 Ød (mm)	心軸長 u (mm)	鍵高 v (mm)	鍵寬 w (mm)	螺紋孔 M	重量 Weight (kg)
HSK-A 63-FMH16-150-D38	150	38	38	16	16.5	4.3	8	M8	1.88
HSK-A 63-FMH16-200-D38	200								2.58
HSK-A 63-FMH16-250-D38	250								3.31
HSK-A 63-FMH16-300-D38	300								4.04
HSK-A 63-FMH22-150-D48	150	48	48	22	18	4.3	10	M10	2.93
HSK-A 63-FMH22-200-D48	200								3.67
HSK-A 63-FMH22-250-D48	250								4.40
HSK-A 63-FMH22-300-D48	300								5.13
HSK-A100-FMH16-200-D38	200	38	38	16	16.5	4.3	8	M8	4.48
HSK-A100-FMH16-250-D38	250								5.21
HSK-A100-FMH16-300-D38	300								5.94
HSK-A100-FMH22-200-D48	200	48	48	22	18	4.3	10	M10	5.16
HSK-A100-FMH22-250-D48	250								5.94
HSK-A100-FMH22-300-D48	300								6.66
HSK-A100-FMH22-350-D48	350								7.39
HSK-A100-FMH22-400-D48	400								8.12
HSK-A100-FMH22-250-D58	250	61	58						7.71
HSK-A100-FMH22-300-D58	300								8.84
HSK-A100-FMH22-350-D58	350								9.90
HSK-A100-FMH22-400-D58	400								10.96
HSK-A100-FMH22-450-D58	450								12.02
HSK-A100-FMH22-500-D58	500								13.08
HSK-A100-FMH27-250-D58	250			27	20	5.8	12	M12	8.05
HSK-A100-FMH27-300-D58	300								8.94
HSK-A100-FMH27-350-D58	350								9.81
HSK-A100-FMH27-400-D58	400								10.68
HSK-A100-FMH27-450-D58	450								11.55
HSK-A100-FMH27-500-D58	500								12.42
HSK-A100-FMH27-250-D74	250	78	74						8.98
HSK-A100-FMH27-300-D74	300								10.12
HSK-A100-FMH27-350-D74	350								11 27
HSK-A100-FMH27-400-D74	400								12.41
HSK-A100-FMH27-450-D74	450								13.63
HSK-A100-FMH27-500-D74	500								14.71
HSK-A100-FMH27-550-D74	550								15.90
HSK-A100-FMH27-600-D74	600								16.98
HSK-A100-FMH32-250-D74	250			32	21	6.8	14	M16	9.13
HSK-A100-FMH32-300-D74	300								10.28
HSK-A100-FMH32-350-D74	350								11.46
HSK-A100-FMH32-400-D74	400								12.58
HSK-A100-FMH32-450-D74	450								13.73
HSK-A100-FMH32-500-D74	500								14.88
HSK-A100-FMH32-550-D74	550								16.13
HSK-A100-FMH32-600-D74	600								17.18

Notice of operations
1. The FMH damped milling tool is designed to handle stepped milling operations instead of plunge milling.
2. Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.

RBT-SNER 減震銑刀桿系列 RBT-SNER Series Damped Milling Tool

專利產品 Patent Products

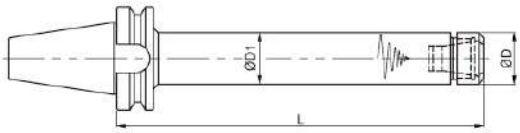
特 色

1. 減震器與NER夾持系統結合。
2. 可減少碳化鎢銑刀切削時所造成的震動。
3. 可以取得較佳的加工表面和較快的加工效率。

Features

1. A perfect combination of damper and NER tool clamping system.
2. Damping reduces vibration generated from cutting with tungsten carbide milling cutters.
3. Superior surface finish and machining efficiency can therefore be performed.



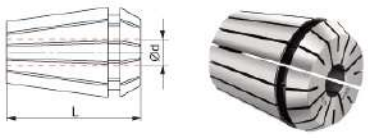


規格 Specifications:

型號 Type	刀桿長 L (mm)	螺帽外徑 ØD (mm)	刀桿外徑 ØD1 (mm)	筒夾 Collet	夾持範圍 Ød(mm)	重量 Weight (kg)
RBT40-SNER25-180-D38	180	40	38	ER25	6~16	3.17
RBT40-SNER25-230-D38	230					4.01
RBT40-SNER25-280-D38	280					4.76
RBT40-SNER25-330-D38	330					5.56
RBT40-SNER32-180-D48	180	50	48	ER32	6~20	4.13
RBT40-SNER32-230-D48	230					5.01
RBT40-SNER32-280-D48	280					5.76
RBT40-SNER32-330-D48	330					6.56
RBT50-SNER25-230-D38	230	40	38	ER25	6~16	6.81
RBT50-SNER25-280-D38	280					7.56
RBT50-SNER25-330-D38	330					8.36
RBT50-SNER32-230-D48	230	50	48	ER32	6~20	5.21
RBT50-SNER32-280-D48	280					5.88
RBT50-SNER32-330-D48	330					6.61
RBT50-SNER32-380-D48	380					7.28
RBT50-SNER32-430-D48	430					7.95
RBT50-SNER40-280-D58	280	63	58	ER40	6~25	6.73
RBT50-SNER40-330-D58	330					7.64
RBT50-SNER40-380-D58	380					8.51
RBT50-SNER40-430-D58	430					9.38
RBT50-SNER40-480-D58	480					10.25
RBT50-SNER40-530-D58	530					11.12

注意事項 1.ER筒夾請使用精密級 2.只能夾持與筒夾相對應的整數柄徑 3.長刀桿裝在主軸時，需先測量刀具上機後的偏擺，偏擺過大會造成減震失效。

ER筒夾 ER Series Collet



型號 Type	Ød	L
ER25-06	6	34
ER25-08	8	
ER25-10	10	
ER25-12	12	
ER25-16	16	

型號 Type	Ød	L
ER32-06	6	40
ER32-08	8	
ER32-10	10	
ER32-12	12	
ER32-16	16	
ER32-20	20	

型號 Type	Ød	L
ER40-06	6	46
ER40-08	8	
ER40-10	10	
ER40-12	12	
ER40-16	16	
ER40-20	20	
ER40-25	25	

HSK-SNER 減震銑刀桿系列 HSK-SNER Series Damped Milling Tool

專利產品 Patent Products

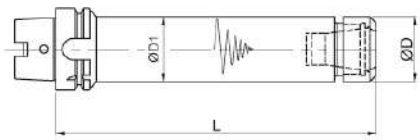
特 色

1. 減震器與NER夾持系統結合。
2. 可減少碳化鎢銑刀切削時所造成的震動。
3. 可以取得較佳的加工表面和較快的加工效率。

Features

1. A perfect combination of damper and NER tool clamping system.
2. Damping reduces vibration generated from cutting with tungsten carbide milling cutters.
3. Superior surface finish and machining efficiency can therefore be performed.





規格 Specifications:

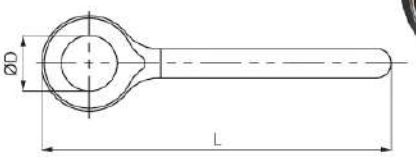
型號 Type	刀桿長 L (mm)	螺帽外徑 ØD (mm)	刀桿外徑 ØD1 (mm)	筒夾 Collet	夾持範圍 Ød (mm)	重量 Weight (kg)
HSK-A 63-SNER25-180-D38	180	40	38	ER25	6-16	2.00
HSK-A 63-SNER25-230-D38	230					2.70
HSK-A 63-SNER25-280-D38	280					3.43
HSK-A 63-SNER25-330-D38	330					4.16
HSK-A 63-SNER32-180-D48	180	50	48	ER32	6-20	2.96
HSK-A 63-SNER32-230-D48	230					3.70
HSK-A 63-SNER32-280-D48	280					4.43
HSK-A 63-SNER32-330-D48	330					5.16
HSK-A100-SNER25-230-D38	230	40	38	ER25	6-16	4.60
HSK-A100-SNER25-280-D38	280					5.33
HSK-A100-SNER25-330-D38	330					6.06
HSK-A100-SNER32-230-D48	230	50	48	ER32	6-20	5.19
HSK-A100-SNER32-280-D48	280					5.97
HSK-A100-SNER32-330-D48	330					6.69
HSK-A100-SNER32-380-D48	380					7.42
HSK-A100-SNER32-430-D48	430					8.15
HSK-A100-SNER40-280-D58	280	63	58	ER40	6-25	7.79
HSK-A100-SNER40-330-D58	330					8.92
HSK-A100-SNER40-380-D58	380					9.98
HSK-A100-SNER40-430-D58	430					11.04
HSK-A100-SNER40-480-D58	480					12.10
HSK-A100-SNER40-530-D58	530					13.16

Notice of operations

1. Please use collets with precision class AA and higher grades only.
2. Collet clamping only applicable with its corresponding tool diameter with the integer number.
3. Measure the tool runout after mounting the long tools onto the machine spindle. Improper tool runout will cause damper failure.

ER 扳手 ER Series Wrench

型號 Type	L (mm)	ØD (mm)
SNER25刀桿軸承扳手	235	40
SNER32刀桿軸承扳手	235	50
SNER40刀桿軸承扳手	250	63





SLT減震直柄車刀桿+快換式LT車刀頭

SLT Damped Turning Holder Series with Quick Change LT Type Turning Head

專利產品 Patent Products



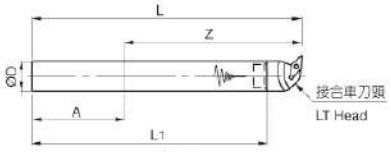


Fig. 1

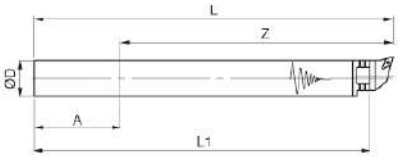


Fig. 2

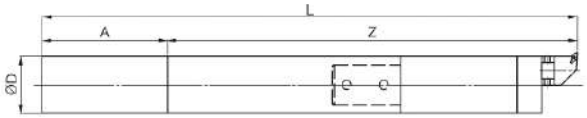
規格 Specifications:

型號 Type	Fig.	刀桿長 L1 (mm)	含車刀頭 有效長 Z (mm)	含車刀頭 總長 L (mm)	夾持長度 A (mm)	Z/D	柄徑 ØD (mm)	接合車刀頭 LT Head	重量 Weight (kg)
SLTC12-150	1	150	100	170	70	8D	12	LT12	0.22
SLTC16-150		150	105	175		6D	16	LT16	0.28
SLTC16-180		180	135	205		8D			0.33
SLTC20-180		180	130	210	80	6D	20	LT20	0.55
SLTC20-220		220	170	250		8D			0.65
SLTC25-210		210	160	240		6D	25	LT25	0.97
SLTC25-260		260	210	290		8D			1.16
SLTC32-260		260	205	295	90	6D	32	LT32	1.93
SLTC32-320		320	265	355		8D			2.28
SLTC40-320		320	240	360	120	6D	40	LT40	2.87
SLTC40-360		360	280	400		7D			3.57
SLTC40-400		400	320	440		8D			3.92
SLTC40-440		440	360	480		9D			4.27
SLTC40-480-SKD		480	400	520		10D			4.62
SLTC50-420		420	310	460	150	6D	50	LT50	7.10
SLTC50-520		520	410	560		8D			8.39
SLTC50-620-SKD		620	510	660		10D			9.68
SLTC60-600	2	600	490	640		8D	60	LT50	11.53
SLTC60-720-SKD		720	610	760		10D			13.24

※1. 規格不含快換式LT車刀頭。2. SLTC12-SLTC25無中心出水。 ※1. LT heads not included. 2. W/O coolant thru. for SLTC12-SLTC25.

減震大徑直柄車刀桿

SLT D80+ Damped Turning Holder



專利產品 Patent Products

規格 Specifications:

型號 Type	有效長 Z (mm)	總長 L (mm)	夾持長度 A (mm)	Z/D	柄徑 ØD (mm)	接合車刀 Tool Type	重量 Weight (kg)
SLTC80-1250	850	1250	400	10D	80	LT50 BSB20	39
SLTC80-1450-SKD	1050	1450		12D			43
SLTC100-1400	1000	1400	400	10D	100	LT50 BSB25	62
SLTC100-1600	1200	1600		12D			69
SLTC120-1800	1200	1800	600	10D	120		138
SLTC120-2000	1400	2000		12D			150
SLTC150-2500	1500	2500	1000	10D	150		180
SLTC150-2800	1800	2800		12D			200
SLTC180-2800	1800	2800	1000	10D	180		288
SLTC180-3200	2200	3200		12D			320
SLTC200-3200	2200	3200	1000	11D	200		370
SLTC200-3500	2500	3500		12D			420

※1.規格不含LT50車刀頭 2.另有配重桿可選購 ※1.LT heads and square cutting tools not included. 2.Available with counterweight (option)

鎢鋼減震直柄車刀桿
WSLT Damped Tungsten Steel Turning Holder

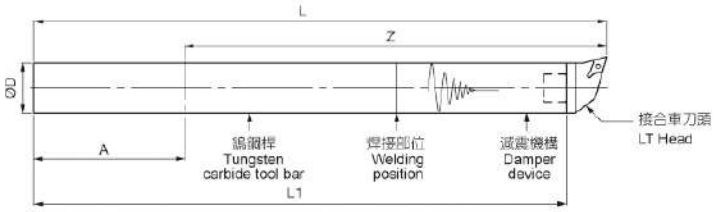
專利產品 Patent Products

特 色

1. 直柄鎢鋼桿+減震器+可更換式車刀頭，整體式的結合可在車削加工上得到最大加工剛性與最佳加工光潔度。
2. 可搭配多種LT刀頭，利於廣泛車削加工應用。
3. 具有多種柄徑，可加工Ø16以上的孔徑，加工深度為刀桿直徑的10D~14D，另有特殊14D~16D供選擇訂製。

Features

1. By integrating STABLELINE® technology into the combination of tungsten carbide tool bar, damper device and quick change turning head offers maximum stiffness and excellent surface finishes for your turning operations.
2. Interchangeable with various types of LT turning head, WSLT turning holder covers a broad range of turning applications.
3. Capable of Ø16 mm and larger diameters boring operations at overhangs reaching from 10 up to 14 times bar diameter. For longer overhangs 14xD to 16xD customized solutions are also available for your choice.



使用注意事項

1. 加工深度10D以上，需注意排屑是否順暢，切削液能否及時供應。
2. 深孔加工可分段進行擴孔加工，最後再做一次精修，以利於切屑的排除。
3. 刀桿與減震部件乃焊接而成，不能用於大切深加工，加工餘量大的工件應分多次進刀切削，以分散作用於刀桿的切削應力。

Notice of operations

1. For turning operations at overhangs reaching 10xD and longer sizes, coolant supply for chip evacuation should be considered.
2. Deep hole turning operations using stepped machining to evacuate chips easily.
3. WSLT turning holder and damper device is a combined structure. Step machining and reduce depth of cut should be considered when dealing with severe machining conditions.



規 格 Specifications:

型號 Type	刀桿長 L1 (mm)	含車刀頭 有效長 Z (mm)	含車刀頭 總長 L (mm)	夾持長度 A (mm)	Z/D	柄徑 ØD (mm)	接合車刀頭 LT Head	重量 Weight (kg)
WSLTC12-175	175	120	190	70	10D	12	LT12	0.36
WSLTC16-220	220	175	245		10D	16	LT16	0.50
WSLTC16-270	270	225	295		13D			0.60
WSLTC20-250	250	200	280	80	10D	20	LT20	1.29
WSLTC20-300	300	250	330		12D			1.49
WSLTC20-350	350	280	380		14D			1.69
WSLTC25-300	300	250	330		10D	25	LT25	2.05
WSLTC25-350	350	300	380		12D			2.38
WSLTC25-400	400	350	430		14D			2.71
WSLTC32-400	400	345	435	90	10D	32	LT32	3.40
WSLTC32-450	450	395	485		12D			4.04
WSLTC32-500	500	445	535		14D			4.64
WSLTC40-530	530	450	570	120	11D	40	LT40	8.40
WSLTC40-610	610	530	650		13D			9.00
WSLTC40-690	690	610	730		15D			9.60
WSLTC50-720	720	610	760	150	12D	50	LT50	13.40
WSLTC50-820	820	710	860		14D			15.40
WSLTC50-920	920	810	960		16D			17.40
WSLTC60-890	890	730	930	200	12D	60	LT50	27.90
WSLTC60-1010	1010	850	1050		14D			31.50
WSLTC60-1130	1130	970	1170		16D			35.01

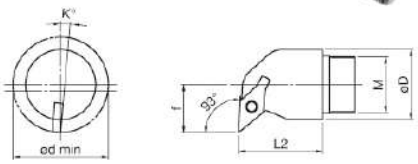
※規格不含快換式LT車刀頭。 ※LT heads not included.
※特殊柄徑及特殊長度提供訂製。 ※Customized tool diameter and length are available.
※紅字區為特別供應產品，購買前須先瞭解工作數據。 ※Specifications marked in red are the tools with critical L/D ratios. Please provide complete cutting parameters prior to purchase.
※WSLTC12-WSLTC25無中心出水。 ※W/O coolant thru. for WSLTC12-WSLTC25.

LT12, LT16, LT20, LT25車刀頭系列-1

LT12, LT16, LT20, LT25 Turning Head Series 1

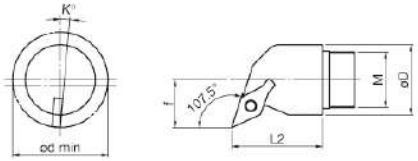
※另有特殊車刀頭提供訂製。
※Customized turning head is available.





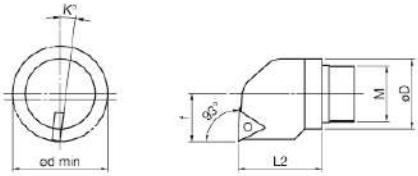
SDUC → DC07刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT12-SDUCR-07-8.5	15	12	8.5	10	16	DC..0702..	M2.5	T8	M9x0.5
LT12-SDUCR-07-11	15	12	11	10	16	DC..0702..	M2.5	T8	M9x0.5



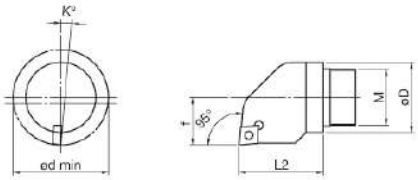
SDQC → DC07刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT12-SDQCR-07	15	12	8.5	10	16	DC..0702..	M2.5	T8	M9x0.5



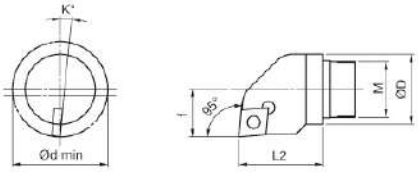
STUP → TP09刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT12-STUPR-09	15	12	8.5	10	16	TP..0902..	M2.5	T8	M9x0.5



SCLC → CC06刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SCLCR-06	25	16	10	7	20	CC..0602..	M2.5	T8	M13x0.5
LT20-SCLCR-06	30	20	13	5	25				M16x0.75
LT25-SCLCR-06	30	25	15	5	30				M20x0.75



SCLC → CC09刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SCLCR-09	25	16	10	7	20	CC..09T3..	M4	T15	M13x0.5
LT20-SCLCR-09	30	20	13	7	25				M16x0.75
LT25-SCLCR-09	30	25	15	5	30				M20x0.75

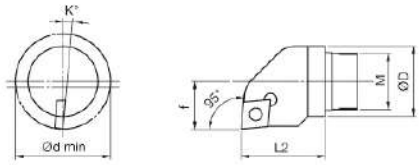
LT12, LT16, LT20, LT25車刀頭系列-2

LT12, LT16, LT20, LT25 Turning Head Series 2

※另有特殊車刀頭提供訂製。

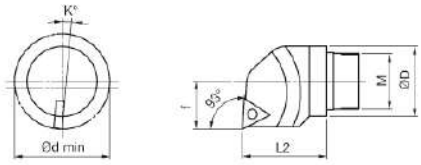
※Customized turning head is available.





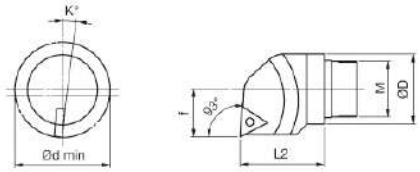
SCLP → CP09刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SCLPR-09	25	16	10	7	20	CP..0903..	M4	T15	M13x0.5
LT20-SCLPR-09	30	20	13	7	25				M16x0.75
LT25-SCLPR-09	30	25	15	5	30				M20x0.75



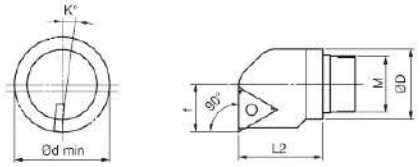
STUC → TC11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-STUCR-11	25	16	10	8	20	TC..1102..	M2.5	T8	M13x0.5
LT20-STUCR-11	30	20	13	6	25				M16x0.75
LT25-STUCR-11	30	25	15	4	30				M20x0.75



STUP → TP11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-STUPR-11	25	16	10	6	20	TP..1103..	M3	T10	M13x0.5
LT20-STUPR-11	30	20	13	4	25				M16x0.75
LT25-STUPR-11	30	25	15	2	30				M20x0.75



SNR → 牙刀 Threading Tool

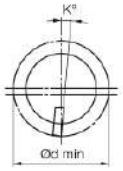
型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SNR-16	25	16	10	15	20	16NR/L	M3.5	T15	M13x0.5
LT20-SNR-16	30	20	13	15	26				M16x0.75
LT25-SNR-16	30	25	17	15	32				M20x0.75

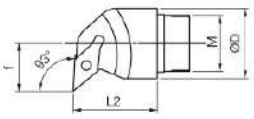
LT12, LT16, LT20, LT25車刀頭系列-3

LT12, LT16, LT20, LT25 Turning Head Series 3

※另有特殊車刀頭提供訂製。
※Customized turning head is available.

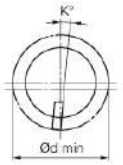


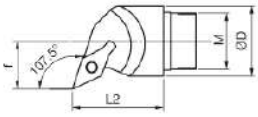




SDUC → DC11刀片 Insert

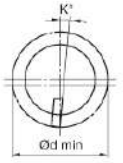
型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SDUCR-11	25	16	11	6	20	DC..11T3..	M4	T15	M13x0.5
LT20-SDUCR-11	30	20	13	6	26				M16x0.75
LT25-SDUCR-11	30	25	16	6	32				M20x0.75

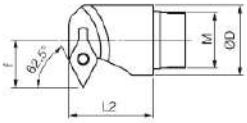




SDQC → DC11刀片 Insert

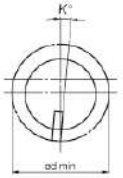
型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SDQCR-11	25	16	11	6	20	DC..11T3..	M4	T15	M13x0.5
LT20-SDQCR-11	30	20	13	6	26				M16x0.75
LT25-SDQCR-11	30	25	16	6	32				M20x0.75

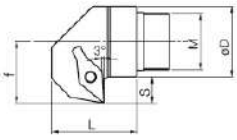




SDNC → DC11 刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SDNCR-11	25	16	12.5	7	22	DC..11T3..	M4	T15	M13x0.5
LT20-SDNCR-11	30	20	14.5	7	26				M16x0.75
LT25-SDNCR-11	30	25	17	5	32				M20x0.75





SDZC → DC07, DC11 刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	K°	Ød min	S	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench	結合牙 (M)
LT16-SDZCR-07	25	16	12	5	20	3.5	DC..0702..	M2.5	T8	M13x0.5
LT16-SDZCR-11	25	16	15	5	23	6.5	DC..11T3..	M4	T15	
LT20-SDZCR-11	30	20	16	5	27	6.5				M16x0.75
LT25-SDZCR-11	30	25	19	5	32	6.5				M20x0.75

LT32, LT40, LT50車刀頭系列-1

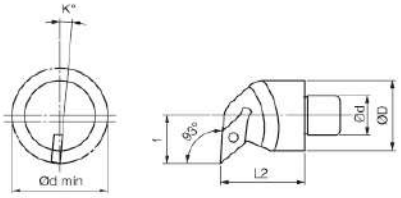
LT32, LT40, LT50 Turning Head Series 1

※另有特殊車刀頭提供訂製。 ※Customized turning head is available.



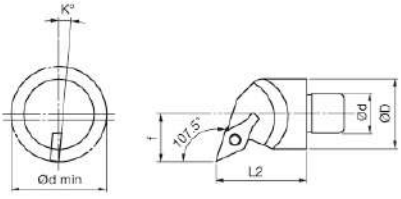
SDUC → DC11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-SDUCR-11	35	32	20	18	6	40	DC..11T3	M4	T15
LT40-SDUCR-11	40	40	26	22	6	52			
LT50-SDUCR-11	40	50	32	28	6	64			



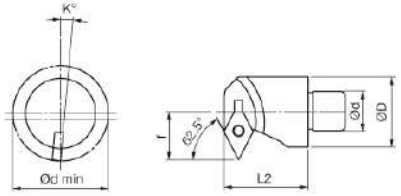
SDQC → DC11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-SDQCR-11	35	32	20	18	6	40	DC..11T3	M4	T15
LT40-SDQCR-11	40	40	26	22	6	52			
LT50-SDQCR-11	40	50	32	28	6	64			



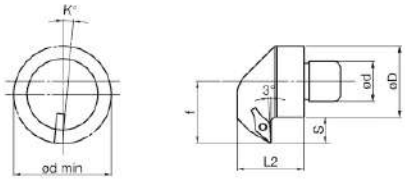
SDNC → DC11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-SDNCR-11	35	32	20	18	5	40	DC..11T3	M4	T15
LT40-SDNCR-11	40	40	26	22	5	52			
LT50-SDNCR-11	40	50	32	28	5	64			



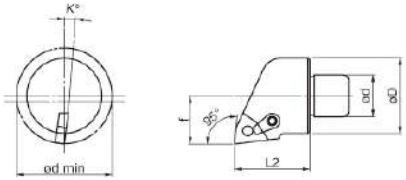
SDZC → DC11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	S	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-SDZCR-11	35	32	22.5	18	5	41	6.5	DC..11T3..	M4	T15
LT40-SDZCR-11	40	40	27.0	22	5	50	7.0			
LT50-SDZCR-11	40	50	32.5	28	5	64	7.5			



MWLN → WN08刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	中心銷 Pin	銷扳手 Wrench	壓板 Clamp	壓板螺絲 Screw	壓板扳手 Wrench
LT32-MWLNR-08	35	32	20.0	18	13	40	WN..0804..	MLP44-A	T15	MC515	MS520TX	ETL10
LT40-MWLNR-08	40	40	25.5	22	10	50						
LT50-MWLNR-08	40	50	30.5	28	9	60						



LT32, LT40, LT50車刀頭系列-2

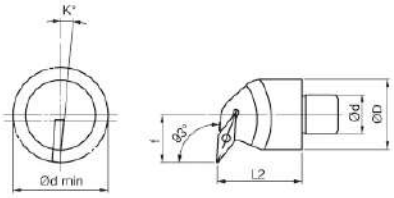
LT32, LT40, LT50 Turning Head Series 2

※另有特殊車刀頭提供訂製。 ※Customized turning head is available.



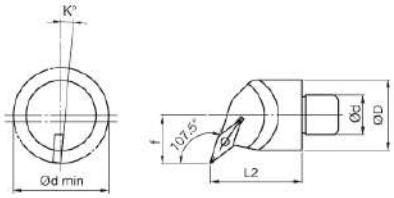
SVUC → VC16刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench
LT32-SVUCR-16	35	32	20	18	5	40	VC..1604	M4	T15
LT40-SVUCR-16	40	40	26	22	5	52			
LT50-SVUCR-16	40	50	32	28	5	64			



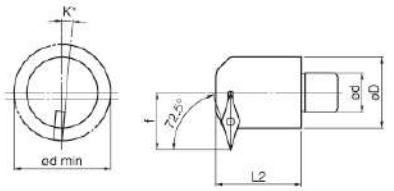
SVQC → VC16刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench
LT32-SVQCR-16	35	32	20	18	5	40	VC..1604	M4	T15
LT40-SVQCR-16	40	40	26	22	5	52			
LT50-SVQCR-16	40	50	32	28	5	64			



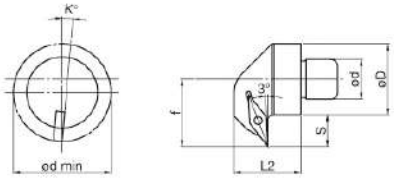
SVNC → VC16刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench
LT32-SVNCR-16	35	32	28.0	18	5	40	VC..1604	M4	T15
LT40-SVNCR-16	40	40	32.5	22	5	52			
LT50-SVNCR-16	40	50	38.0	28	5	64			



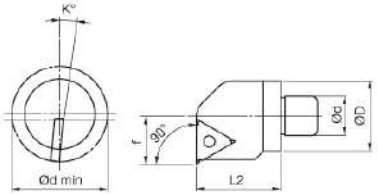
SVZC → VC16刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	S	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench
LT32-SVZCR-16	35	32	28.0	18	9	40	12.0	VC..1604..	M4	T15
LT40-SVZCR-16	40	40	32.5	22	9	52	12.5			
LT50-SVZCR-16	40	50	38.0	28	9	65	13.0			



SNR → 牙刀 Threading Tool

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀 片 Insert	刀片螺絲 Screw	扳 手 Wrench
LT32-SNR-16	35	32	20	18	0	40	16NR/L	M3.5	T15
LT40-SNR-16	40	40	26	22	0	52			
LT50-SNR-16	40	50	32	28	0	64			



LT32, LT40, LT50車刀頭系列-3

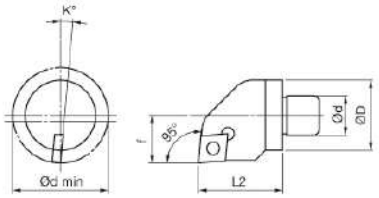
LT32, LT40, LT50 Turning Head Series 3

※另有特殊車刀頭提供訂製。 ※Customized turning head is available.



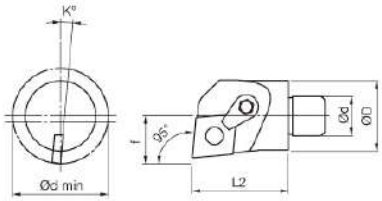
SCLC → CC09刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-SCLCR-09	35	32	20	18	5	40	CC..09T3..	M4	T15
LT40-SCLCR-12	40	40	26	22	3	52	CC..1204..	M5	T20
LT50-SCLCR-12	40	50	32	28	3	64			



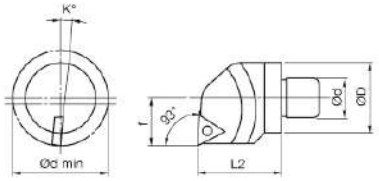
MCLN → CN12刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	中心銷 Pin	銷扳手 Wrench	壓板 Clamp	壓板螺絲 Screw	壓板扳手 Wrench
LT32-MCLNR-12	35	32	20	18	12	40	CN..1204	FC2-M625	FE1-30	FA1-02	FC1-M617	FE1-25
LT40-MCLNR-12	40	40	24	22	12	48						
LT50-MCLNR-12	40	50	32	28	12	64						



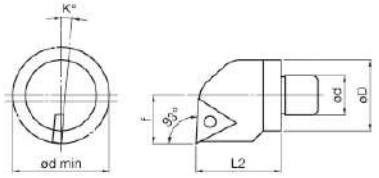
STUC → TC11刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-STUCR-11	35	32	19.5	18	5	39	TC..1102..	M4	T15
LT40-STUCR-11	40	40	25.5	22	5	51			



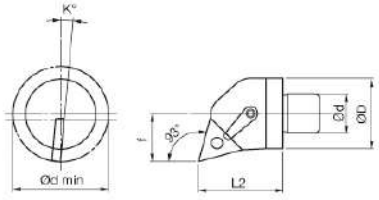
STUC → TC16刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	刀片螺絲 Screw	扳手 Wrench
LT32-STUCR-16	35	32	19.5	18	5	39	TC..16T3	M4	T15
LT40-STUCR-16	40	40	25.5	22	5	51			
LT50-STUCR-16	40	50	30.4	28	5	61			



MTUN → TN16刀片 Insert

型號 Type	L2 (mm)	ØD (mm)	f	Ød	K°	ød min	刀片 Insert	中心銷 Pin	銷扳手 Wrench	壓板 Clamp	壓板螺絲 Screw	壓板扳手 Wrench
LT32-MTUNR-16	35	32	19.5	18	13	40	TN..1604	FC1-M514	FE1-20	FA1-02	FC2-M625	FE1-30
LT40-MTUNR-16	40	40	25.5	22	13	52						
LT50-MTUNR-16	40	50	30.4	28	13	64						



減震車刀中心校正台
Tool Setter for Damped Turning Tool

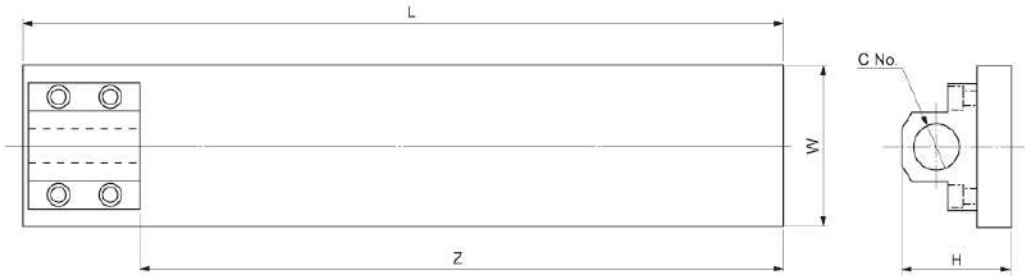
特 色

1. 減震車刀中心校正台專為快速校正減震內孔車刀而設計。
2. 減震車刀中心校正台需搭配減震內孔車刀套筒使用。
3. 可依不同內孔車刀的伸出長度與車刀桿直徑的比值Z/D，而選擇不同的中心高。

Features

1. The tool setter for damped turning tool is designed for quick and easy tool-setting operations for damped turning tools.
2. The easy-to-use tool setter is for use with dedicated damped turning tool sleeves.
3. Selecting different center height in accordance with the damping turning tools with different length and diameter ratios (Z/D ratios).





規格 Specifications:

型號 Type	可校正長 Z (mm) Effective length	全 長 L (mm) Overall length	寬 W (mm) Width	高 H (mm) Height	重 量 (kg) Weight	搭配減震套筒 C No. Suitable sleeve type
C32 減震車刀中心校正台 Tool setter	600	700	150	150	26	DC32
C40 減震車刀中心校正台 Tool setter						DC40
C50 減震車刀中心校正台 Tool setter						DC50
C60 減震車刀中心校正台 Tool setter						DC60

※所有規格均含有附件:校正塊規×1 pc、固定環×1 pc、4mm 六角板手×1 pc。
※Standard accessories including: Block gauge x 1 pc, Retaining ring x 1 pc, 4 mm Hex wrench x 1 pc.
※所有規格不含車刀桿與車刀頭。 Specifications NOT including: turning tool bars and tool heads. .

DC32, DC40, DC50, DC60 減震車刀套筒系列
DC32, DC40, DC50, DC60 Damped Turning Tool Sleeve Series

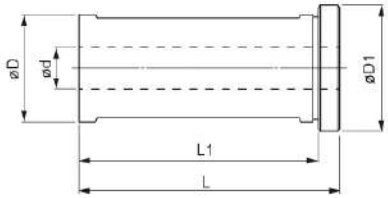
特 色

1. 減震車刀套筒使用在車刀固定座上以夾持不同柄徑的減震車刀桿或鎢鋼車刀桿。
2. 減震車刀套筒在夾持車刀桿時，可以收縮變形，產生全包覆式的夾持，可使車刀桿得到穩固的支撐，減少車刀桿產生震動的因素。
3. 減震車刀套筒在夾持車刀桿時，會分散車刀固定螺絲所產生的壓力，可避免壓力集中而鎖斷鎢鋼製的車刀桿。



Features

1. Using damped turning tool sleeves for clamping of damped turning tools or damped tungsten carbide turning tools in different diameters to fit with turning tool holders.
2. The damped turning tool sleeves designed with an all-round-clamping method provide superior clamping stability and high concentricity for damped turning tools, thus reduce the potential causes of vibration.
3. While clamping with the damped turning tool sleeve, it disperses the pressure generated from the locking force of the tool holder. This protects the tungsten carbide turning tool from concentrative structural pressure which might cause fracture of the tool body.



規格 Specifications:

型號 Type	ØD (mm)	Ød (mm)	ØD1 (mm)	L1	L (mm)	重量 (kg) Weight
DC32-10	32	10	40	77	85	0.49
DC32-12		12				0.47
DC32-14		14				0.45
DC32-16		16				0.41
DC32-18		18				0.38
DC32-20		20				0.35
DC32-25		25				0.23
DC40-12	40	12	48	90	98	0.85
DC40-14		14				0.83
DC40-16		16				0.79
DC40-18		18				0.76
DC40-20		20				0.73
DC40-25		25				0.60
DC40-32		32				0.38
DC50-16	50	16	58	102	110	1.53
DC50-20		20				1.44
DC50-25		25				1.30
DC50-32		32				1.04
DC50-40		40				0.70
DC60-20	60	20	75	135	145	3.00
DC60-25		25				2.80
DC60-32		32				2.50
DC60-40		40				2.00
DC60-50		50				1.20

PSC-FMH減震面銑刀桿 PSC-FMH Series Damped Milling Tool

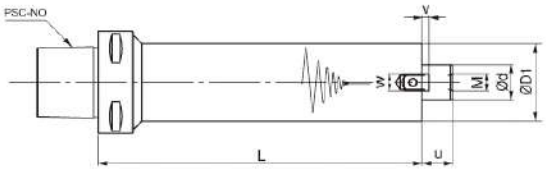


特 色

1.利用PSC三角圓錐的結合方式，可使得結合後的刀桿整體有更好的同心度與剛性。
2.搭配各種PSC等徑、異徑介面，達到更好的刀桿剛性與加工深度，更利於深腔加工。
3.所有FMH刀桿均有內部出水設計。

Features

1.The PSC polygon shank is a powerful interface that has proven its superior concentricity and stiffness by integrating the FMH milling tools.
2.Designed to suit a variety of equal-diameter and reducing-diameter adaptors, thus generating maximum stability for longer overhangs and deeper cavities milling applications.
3.PSC-FMH series is compatible with the central coolant supply.



規 格Specifications:

型號 Type	刀桿長 L(mm)	刀桿外徑 ØD1(mm)	心軸外徑 Ød(mm)	心軸長 u(mm)	鍵 高 v(mm)	鍵 寬 w(mm)	螺紋孔 M	重量 (kg) Weight
PSC50-FMH16-160-D38	160	38	16	16.5	4.3	8	M8	1.87
PSC50-FMH22-200-D48	200	48	22	18	4.3	10	M10	2.65
PSC63-FMH16-160-D38	160	38	16	16.5	4.3	8	M8	2.03
PSC63-FMH22-200-D48	200	48	22	18	4.3	10	M10	2.81
PSC63-FMH22-250-D58	250	58	22	18	4.3	10	M10	4.40
PSC63-FMH27-250-D58	250	58	27	20	5.8	12	M12	4.63
PSC80-FMH27-300-D74	300	74	27	20	5.8	12	M12	10.65
PSC80-FMH32-300-D74	300	74	32	21	6.8	14	M16	10.83
PSC80-FMH40-300-D88	300	88	40	21	6.8	14	M16	17.8

PSC-SNER減震銑刀桿系列 PSC-SNER Series Damped Milling Tool

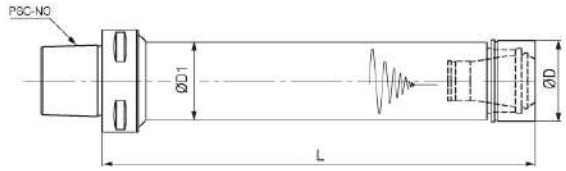


特 色

1.減震器與NER夾持系統結合。 2.可減少碳化鎢銑刀切削時所造成的震動。
3.可以取得較佳的加工表面和較快的加工效率。

Features

1.A perfect combination of damper and NER tool clamping system.
2.Damping reduces vibration generated from cutting with tungsten carbide milling cutters.
3.Superior surface finish and machining efficiency can therefore be performed.



規 格Specifications:

型號 Type	刀桿長 L(mm)	螺帽外徑 ØD(mm)	刀桿外徑 ØD1(mm)	筒 夾 Collet	夾持範圍 Ød(mm)	重量 (kg) Weight
PSC50-SNER25-190-D38	190	40	38	ER25	6~16	1.99
PSC50-SNER32-230-D48	230	50	48	ER32	6~20	2.68
PSC63-SNER25-190-D38	190	40	38	ER25	6~16	2.15
PSC63-SNER32-230-D48	230	50	48	ER32	6~20	2.84
PSC63-SNER40-280-D58	280	63	58	ER40	6~25	4.48

注意事項 1.ER筒夾請使用精密級。 2.只能夾持與筒夾相對應的整數柄徑。 3.長刀桿裝在主軸時，需先測量刀具上機後的偏擺，偏擺過大會造成減震失效。

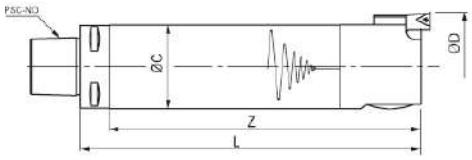
Notice of operation
1.Please use collets with precision class AAA and higher grades only.
2.Collet clamping is only applicable with its corresponding tool diameter with the integer number.
3.Measure the tool runout after mounting the long tools onto the machine spindle. Improper tool runout will cause damper failure.

PSC-SCBH減震微調精搪頭系列 PSC-SCBH Damped Fine Boring Head Series

PSC-SRBHLA減震雙刃粗搪頭系列 PSC-SRBHLA Twin-Edge Damped Rough Boring Head



1. 利用PSC三角圓錐的結合方式，可使得結合後的刀桿整體有更好的同心度與剛性，輕易達到(10D)十倍徑的搪孔需求。
2. 搭配使用各種PSC接口的基礎刀桿，可實現5D~10D的加工深度需求。
3. PSC-SCBH、PSC-SRBHLA的結合方式相較於LBK-SCBH、LBK-SRBHLA的結合方式，具有更高的整體刀桿剛性，更好的減震效能。

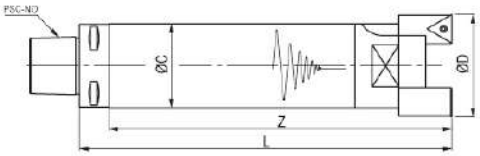


PSC-SCBH減震微調精搪頭

型號 Type	搪孔範圍 ØD(mm)	刀桿長 L(mm)	有效長 Z(mm)	刀桿外徑 ØC(mm)	刀片規格 Insert	重量 (kg) Weight
PSC32-SCBH32-140	32-42	140	125	31	TP08;TC09;TP09 TC11;CC06	0.84
PSC40-SCBH40-160	40-55	160	140	39		1.97
PSC50-SCBH52-200	52-75	200	180	50		4.08
PSC63-SCBH68-260	68-100	260	235	64	TP08;TP09;TC11 TP11;CC09	8.30
PSC80-SCBH100-320	100-152	320	290	88		16.51

1.The PSC polygon shank is a powerful interface that has proven its superior concentricity and stiffness especially in boring applications reaching 10 times bar diameter.
2.Designed to suit a variety of PSC polygon shank cone holders to perform successful boring at overhangs from 5 up to 10 times bar diameter.
3.PSC-SCBH and PSC-SRBHLA damped boring tool series feature very high stiffness and superior damping effectiveness compared to combinations of LBK-SCBH and LBK-SRBHLA series.





PSC-SRBHLA減震雙刃粗搪頭

型號 Type	搪孔範圍 ØD(mm)	刀桿長 L(mm)	有效長 Z(mm)	刀桿外徑 ØC(mm)	刀片規格 Insert	重量 (kg) Weight
PSC32-SRBH32LA-145	32-45	145	130	31	CCMT060204 TCMT110204	0.87
PSC40-SRBH40LA-170	40-55	170	150	39	CCMT09T304 TCMT16T304	2.01
PSC50-SRBH52LA-205	52-75	205	185	50		4.15
PSC63-SRBH68LA-265	68-100	265	240	64	CCMT120404 TCMT16T304	8.41
PSC80-SRBH90LA-340	90-130	340	310	88		16.65

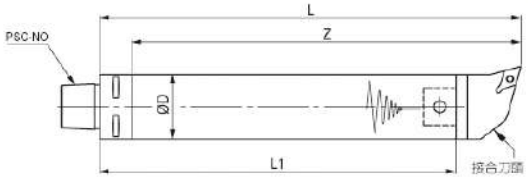
PSC-SLT減震直柄車刀桿+快換式LT車刀頭

PSC-SLT Damped Turning Holder Series with Quick Change LT Type Turning Head



1.搭配PSC內孔車刀座，可以快換各種相對接合尺寸的PSC-SLT減震車刀桿。
2.PSC-SLT減震車刀桿同樣搭配原來所使用的LT車刀頭。
3.標準配置的PSC-SLT減震車刀桿可加工刀桿柄徑的6~8倍孔深(6D~8D)

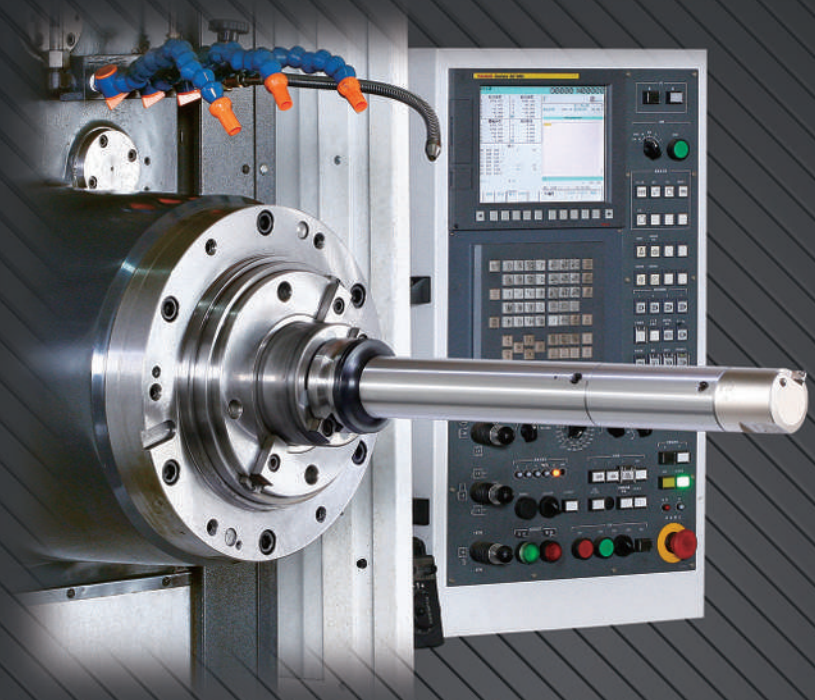
1.The PSC interface boring bar holders provide a quick-change feature for all PSC-SLT damped turning tools in corresponding diameters.
2.Adaptable with various types of LT turning heads.
3.Standard PSC-SLT damped turning tools perform successful boring applications at overhangs reaching from 6 up to 8 times bar diameter.



規格Specifications:

型號 Type	刀桿長 L1(mm)	含車刀頭有效長 Z(mm)	含車刀頭總長 L(mm)	Z/D	柄徑 ØD(mm)	接合車刀頭 LT Head	重量 (kg) Weight
PSC32-SLTC32-200	200	220	235	6D	32	LT32	2.24
PSC32-SLTC32-260	260	280	295	8D			2.65
PSC40-SLTC40-240	240	260	280	6D	40	LT40	3.15
PSC40-SLTC40-320	320	340	360	8D			3.85
PSC50-SLTC50-300	300	320	340	6D	50	LT50	7.58
PSC50-SLTC50-400	400	420	440	8D			8.87
PSC63-SLTC60-385	385	400	425	6D	60		10.27
PSC63-SLTC60-505	505	520	545	8D			11.98

※規格不含快換式LT車刀頭。 ※LT heads not included.



STABLELINE® 減震系列 Damped tool series

經銷商AGENT:

LeeChee @2023-02