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**DAMPED TOOL FOR**

**BORING  
MILLING  
TURNING**

**2023**



**METOMET**

# SUPREME PRECISION & QUALITY

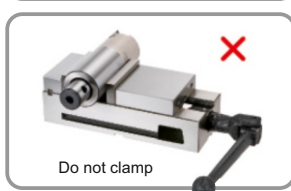
## General Information

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 15 set to 10 research and develop tailored solutions 10 fulfill the most demanding needs of worldwide STABLELINE® product users.

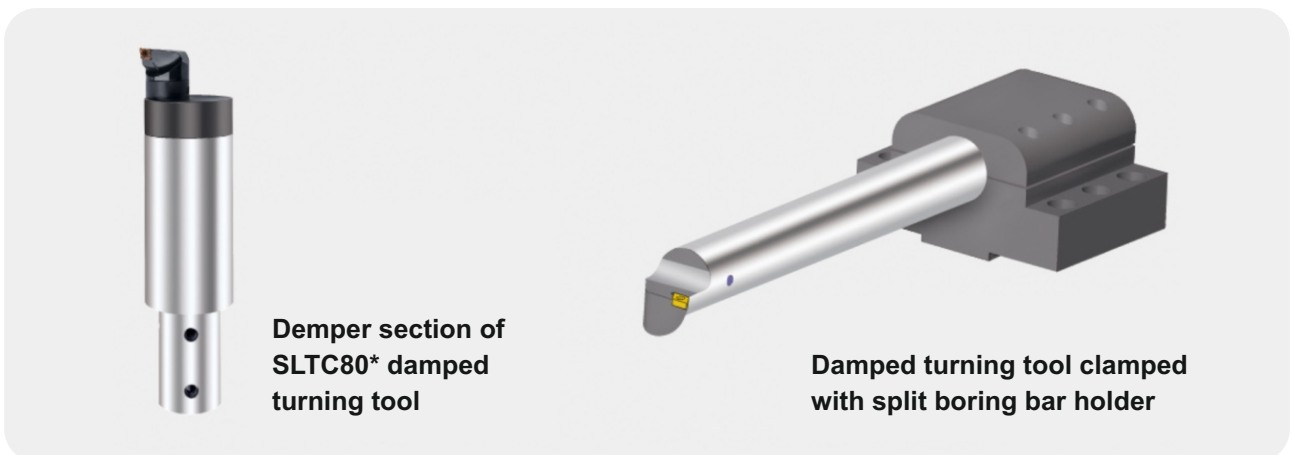
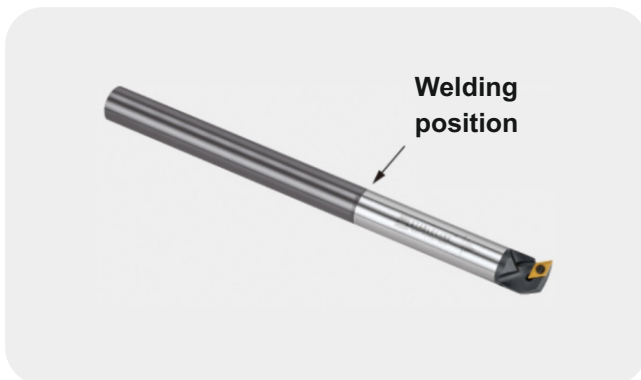
## SLBK, SCBH, SRBHLA, FMH Notice of Operations & Maintenance

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, measurement 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-LBKS offers better performance and achieve longer overhangs than using SCBH52 with BT50-LBKS
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 Notice of Operations & Maintenance

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 properly 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 properly packed 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.



**STABLELINE®** is your best partner in machining stability, efficiency and quality.

# DAMPED TOOL SERIES

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SK Holder to LBK Integrated Modular Damped Fine Boring Tool



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HSK Holder to LBK Integrated Modular Damped Fine Boring Tool



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LBK Integrated Modular Damped Fine Boring Tool



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RBT-FMH Series Damped Milling Tool

HSK-FMH Series Damped Milling Tool



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RBT-SNER Series Damped Milling Tool

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SLT Damped Turning Holder Series with Quick Change Turning Head



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WSLT Damped Tungsten Steel Turning Holder



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LT12, LT16, LT20, LT25 Turning Head Series



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LT32, LT40, LT50 Turning Head Series



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Tool Setter for Damped Turning Tool + Damped Turning Tool Sleeve Series



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PSC-FMN Series Damped Milling Tool

PSC-SNER Series Damped Milling Tool



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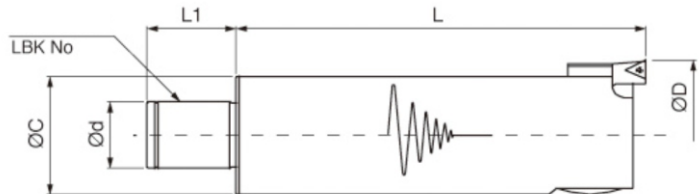
PSC-SCBH Damped Fine Boring Head Series  
PSC-SRBHLA Twin-Edge Damped Rough Boring Head  
PSC-SLT Damped Turning Holder Series with Quick Change LT Type Turning Head

# SUPREME PRECISION & QUALITY

## SCBH Damped Fine Boring Head

### 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 020 mm up to 0310mm in standard assortment, SCBH32 boring heads and a6ome are available with internal coolant supply.
3. High rigidity through a bilateral symmetric T between the heads an 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 o! SLBK damped holders and CHB boring heads.



### Specifications:

Type	LBK No.	ØD(mm) Boring Range	L(mm)	L1 (mm)	ØC (mm)	Ød (mm)	Insert	(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	TP08 TP09 TP11 TC11 CC09	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

※ W/O coolant thru. for SCBH20 - SCBH25

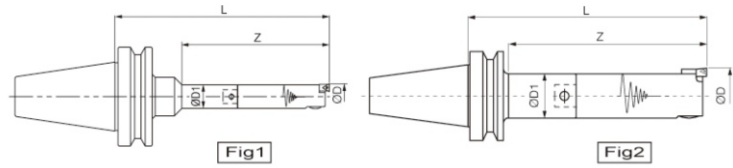
### RBT-LBK Holder to SCBH Damped Fine Boring Head



### HSK-LBK Holder to SCBH Damped Fine Boring Head



### RBT-LBK+SCBH

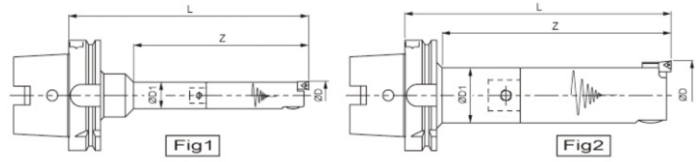


● Specifications:

LBK Holder	Boring Head	Fig	Boring Range	Z (mm)	L (mm)	ØD1 (mm)	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				155	215		4.29			
RBT50-LBK2-155	SCBH25-90		25-33	185	245	39/24	4.39			
RBT50-LBK3-125				SCBH32-100	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	SCBH52-140	52-75	290	335	50	6.37				
RBT50-LBK4-255			330	375		6.77				
RBT50-LBK5-105			200	245		7.22				
RBT50-LBK5-140	SCBH68-175	68-100	235	280	64	7.72				
RBT50-LBK5-180			275	320		8.22				
RBT50-LBK5-240			335	380		8.92				
RBT50-LBK5-305	SCBH75-225	75-102	400	445	74	7.68				
RBT50-LBK6-075			205	250		10.00				
RBT50-LBK6-125			255	300		11.20				
RBT50-LBK6-170	SCBH100-225	100-152	300	345	88	11.84				
RBT50-LBK6-230			360	405		13.16				
RBT50-LBK6-290			420	465		14.70				
RBT50-LBK6-350	SCBH150-225	150-202	480	525	88	16.50				
RBT50-LBK6-400			530	575		18.00				
RBT50-LBK7-300			480	525		19.25				
RBT50-LBK7-350	SCBH200-310	200-310	530	575	88	20.44				
RBT50-LBK7-400			580	625		21.65				
RBT50-LBK7-450			630	675		22.82				
RBT50-LBK7-500	SCBH200-310	200-310	680	725	88	24.39				
RBT50-LBK7-550			730	775		25.97				
RBT50-LBK7-600			780	825		27.51				
RBT50-LBK7-300	SCBH200-310	200-310	480	525	88	22.93				
RBT50-LBK7-350			530	575		24.93				
RBT50-LBK7-400			580	625		26.93				
RBT50-LBK7-450	SCBH200-310	200-310	630	675	88	30.02				
RBT50-LBK7-500			680	725		31.63				
RBT50-LBK7-550			730	775		33.25				
RBT50-LBK7-600	SCBH200-310	200-310	780	825	88	34.62				
RBT50-LBK7-300			480	525		24.60				
RBT50-LBK7-350			530	575		26.60				
RBT50-LBK7-400	SCBH200-310	200-310	580	625	88	28.60				
RBT50-LBK7-450			630	675		31.69				
RBT50-LBK7-500			680	725		33.30				
RBT50-LBK7-550	SCBH200-310	200-310	730	775	88	34.93				
RBT50-LBK7-600			780	825		36.28				
RBT50-LBK7-300			565	610		27.60				
RBT50-LBK7-350	SCBH200-310	200-310	615	660	88	29.60				
RBT50-LBK7-400			665	710		31.60				
RBT50-LBK7-450			715	760		34.70				
RBT50-LBK7-500	SCBH200-310	200-310	765	810	88	36.60				
RBT50-LBK7-550			815	860		38.00				
RBT50-LBK7-600			865	910		39.35				

# SUPREME PRECISION & QUALITY

## HSK-LBK+SCBH



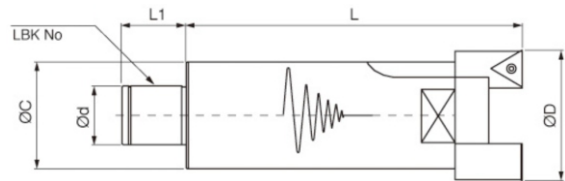
● Specifications:

LBK Holder	Boring Head	Fig	Boring Range	Z (mm)	L (mm)	ØD1 (mm)	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	240	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				155	215		2.82
HSK-A100-LBK2-155	SCBH25-90		25-33	185	245	39/24	2.91
HSK-A100-LBK3-125				180	225		3.24
HSK-A100-LBK3-155				210	255		3.39
HSK-A100-LBK3-200	SCBH32-100		32-42	255	300	31	3.59
HSK-A100-LBK4-115				200	235		4.14
HSK-A100-LBK4-145				230	265		4.33
HSK-A100-LBK4-175	SCBH40-120		40-55	260	295	39	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	SCBH68-175	68-100	345	380	64	7.38	
HSK-A100-LBK5-305			410	445		8.17	
HSK-A100-LBK6-075			215	250		8.50	
HSK-A100-LBK6-125	SCBH75-225	75-102	265	300	74	9.72	
HSK-A100-LBK6-170			310	345		10.48	
HSK-A100-LBK6-230			370	405		11.60	
HSK-A100-LBK6-290	SCBH100-225	100-152	430	465	88	12.78	
HSK-A100-LBK6-350			490	525		13.96	
HSK-A100-LBK6-400			540	575		15.13	
HSK-A100-LBK7-300	SCBH75-225	75-102	490	525	74	18.69	
HSK-A100-LBK7-350			540	575		19.89	
HSK-A100-LBK7-400			590	625		21.09	
HSK-A100-LBK7-450	SCBH150-225	150-202	640	675	88	22.28	
HSK-A100-LBK7-500			690	725		23.47	
HSK-A100-LBK7-550			740	775		24.65	
HSK-A100-LBK7-600	SCBH100-225	100-152	790	825	88	25.80	
HSK-A100-LBK7-300			490	525		24.33	
HSK-A100-LBK7-350			540	575		25.87	
HSK-A100-LBK7-400	SCBH150-225	150-202	590	625	88	27.53	
HSK-A100-LBK7-450			640	675		29.11	
HSK-A100-LBK7-500			690	725		30.63	
HSK-A100-LBK7-550	SCBH200-310	200-310	740	775	88	32.33	
HSK-A100-LBK7-600			790	825		33.93	
HSK-A100-LBK7-300			490	525		26.00	
HSK-A100-LBK7-350	SCBH200-310	200-310	540	575	88	27.54	
HSK-A100-LBK7-400			590	625		29.20	
HSK-A100-LBK7-450			640	675		30.78	
HSK-A100-LBK7-500	SCBH200-310	200-310	690	725	88	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	88	29.00	
HSK-A100-LBK7-350			625	660		30.54	
HSK-A100-LBK7-400			675	710		32.20	
HSK-A100-LBK7-450	SCBH200-310	200-310	725	760	88	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 Twin-Edge Damped Rough Boring Head

### 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 025 mm up to 0310 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 19.8 times bar diameter. 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.



### Specifications:

Type	LBK No.	ØD(mm) Boring Range	L(mm)	L1 (mm)	ØC (mm)	Ød (mm)	Insert	(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	1.47
SRBH52LA-145	LBK5	52-75	145	30	50	28	TCMT16T304	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			310					19.90

※ SRBH25LA ※ W/O coolant thru. for SRBH25LA

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

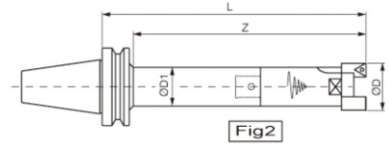
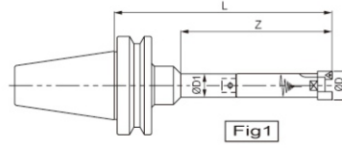


HSK-LBK Holder to SRBH-LA  
Twin-Edge Damped Rough Boring Head



# SUPREME PRECISION & QUALITY

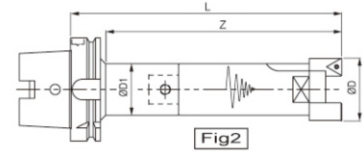
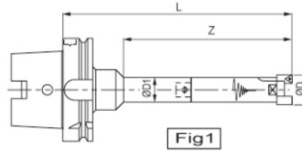
RBT-LBK+SRBH LA



● Specifications:

LBK Holder	Boring Head	Fig	Boring Range	Z (mm)	L (mm)	ØD1 (mm)	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	SRBH25LA95	1	25-35	160	220	39/24	4.29
RBT50-LBK2-155				190	250		4.39
RBT50-LBK3-125	SRBH32LA-105		32-45	185	230	31	4.81
RBT50-LBK3-155				215	260		4.91
RBT50-LBK3-200				260	305		5.10
RBT50-LBK4-115	SRBH40LA130		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	SRBH52LA-145		52-75	340	385	50	6.77
RBT50-LBK5-105				205	250		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	SRBH75LA-240	75-100	535	580	74	15.63	
RBT50-LBK7-300			495	540		19.85	
RBT50-LBK7-350			545	590		21.04	
RBT50-LBK7-400			595	640		22.25	
RBT50-LBK7-450			645	690		23.42	
RBT50-LBK7-500			695	740		24.99	
RBT50-LBK7-550			745	790		26.57	
RBT50-LBK7-600			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		31.8	
RBT50-LBK7-550			750	795		33.45	
RBT50-LBK7-600	SRBH120LA-235	120-164	800	845	35.27		
RBT50-LBK7-300			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	SRBH160LA-235	160-204	740	785	34.65		
RBT50-LBK7-600			790	835	36.47		
RBT50-LBK7-300			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	SRBH200LA-310	200-310	690	735	34.40		
RBT50-LBK7-550			740	785	36.02		
RBT50-LBK7-600			790	835	37.84		
RBT50-LBK7-300			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



● Specifications:

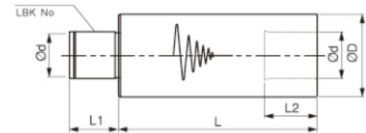
LBK Holder	Boring Head	Fig	Boring Range	Z (mm)	L (mm)	ØD1 (mm)	Weight (kg)
HSK-A63-LBK2-085	SRBH25LA-95	2	25-35	145	180	24	1.30
HSK-A63-LBK2-100				160	195		1.35
HSK-A63-LBK2-115				175	210		1.40
HSK-A63-LBK3-095	SRBH32LA-105		32-45	165	200	31	1.77
HSK-A63-LBK3-125				195	230		1.92
HSK-A63-LBK3-155				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	245	64	7.55	
HSK-A63-LBK6-115			265	295		8.50	
HSK-A63-LBK6-165			315	345		9.64	
HSK-A100-LBK2-125	SRBH25LA95	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	31	3.24
HSK-A100-LBK3-155				215	260		3.39
HSK-A100-LBK3-200				260	305		3.59
HSK-A100-LBK4-115	SRBH40LA130		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			492	530		14.46	
HSK-A100-LBK6-400			545	580		15.63	
HSK-A100-LBK7-300	SRBH75LA-240	75-100	505	540	74	18.59	
HSK-A100-LBK7-350			555	590		19.79	
HSK-A100-LBK7-400			605	640		20.99	
HSK-A100-LBK7-450			655	690		22.18	
HSK-A100-LBK7-500			705	740		23.37	
HSK-A100-LBK7-550			755	790		24.55	
HSK-A100-LBK7-600			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	88	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	88	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	88	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	

# SUPREME PRECISION & QUALITY

## SLBK Damped Extension Bar

### 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.

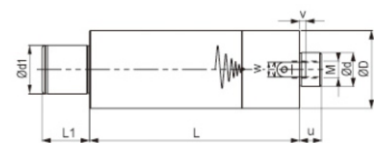


### Specifications:

Type	LBK No.	L(mm)	ØD (mm)	Ød (mm)	L1 (mm)	L2 (mm)	Insert	(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 ※ W/O coolant thru. for SLBK2-2

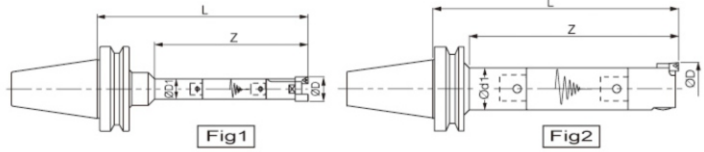
## LBK-FMH Damped Extension Bar



### Specifications:

Type	LBK No.	L(mm)	ØD (mm)	Ød1 (mm)	L1 (mm)	Ød (mm)	u(mm)	v(mm)	w(mm)	M(mm)	(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		17.4									
LBK7-FMH32-400-D88		21.2									
LBK7-FMH40-200-D88		40				13.5					
LBK7-FMH40-300-D88						17.4					
LBK7-FMH40-400-D88						21.2					

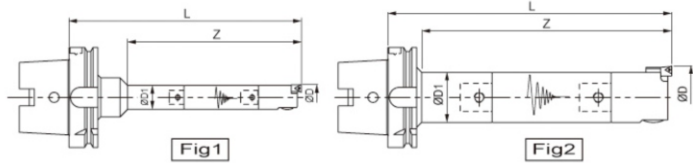
### RBT-LBK+SLBK+CBH



#### Specifications:

LBK Holder	SLBK Extension Bar	Boring Head	Fig	Boring Range	Z (mm)	L (mm)	Ød1 (mm)	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	2	32-42	200	235	31	1.82
RBT40-LBK3-125					230	265		2.12
RBT40-LBK4-085	SLBK4-4-120	CBH40	2	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	2	52-75	230	265	50	3.60
RBT40-LBK5-125					280	315		4.52
RBT40-LBK5-175					330	365		5.22
RBT40-LBK6-065	SLBK5-5-130	CBH52	2	68-100	270	305	64	6.40
RBT40-LBK6-115					320	355		7.69
RBT50-LBK2-125	SLBK6-6-170	CBH68	1	25-33	180	240	39/24	4.23
RBT50-LBK2-155					210	270		4.33
RBT50-LBK3-125	SLBK2-2-75	CBH25	2	32-42	220	265	31	7.72
RBT50-LBK3-155					250	295		7.82
RBT50-LBK4-115	SLBK3-3-100	CBH25	2	40-55	240	285	39	8.41
RBT50-LBK4-145					270	315		5.51
RBT50-LBK4-175					300	345		5.91
RBT50-LBK5-105	SLBK4-4-120	CBH52	2	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	SLBK5-5-130	CBH40	2	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

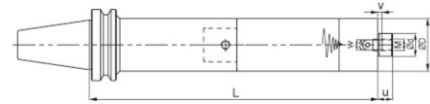
### HSK-LBK+SLBK+CBH



#### Specifications:

LBK Holder	SLBK Extension Bar	Boring Head	Fig	Boring Range	Z (mm)	L (mm)	Ød1 (mm)	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	2	32-42	200	235	31	1.68
HSK-A63-LBK3-125					230	265		1.83
HSK-A63-LBK4-085	SLBK4-4-120	CBH40	2	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	2	52-75	235	265	50	3.61
HSK-A63-LBK5-125					285	315		4.27
HSK-A63-LBK5175					335	365		4.90
HSK-A63-LBK6-070	SLBK6-6-170	CBH68	2	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-LBK3125	SLBK3-3-100	CBH32	1	32-42	220	265	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	2	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	2	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

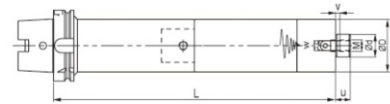
## RBT-LBK+LBK+FMH



### Specifications:

LBK Holder	LBK-FMH Extension Bar	L(mm)	ØD(mm)	Ød(mm)	u(mm)	V(mm)	W(mm)	M(mm)	(kg) Weight
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

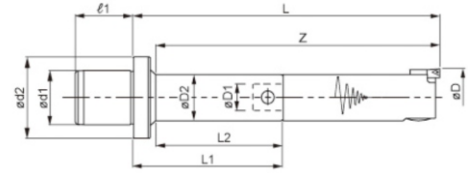
## HSK-LBK+LBK+FMH



### Specifications:

LBK Holder	LBK-FMH Extension Bar	L(mm)	ØD(mm)	Ød(mm)	u(mm)	V(mm)	W(mm)	M(mm)	(kg) Weight
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

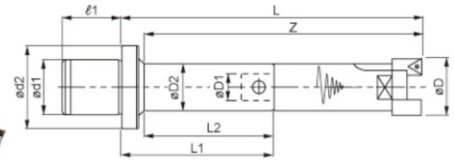
## LBK Extension+SCBH Damped fine Boring Head



### Specifications:

Extension Bar (Reducing)	Boring Head Type No.	ØD(mm)	L(mm)	Z(mm)	Ød1(mm)	Ød2(mm)	l1(mm)	ØD1(mm)	ØD2(mm)	L1(mm)	L2(mm)	(kg) Weight
LBK2-1-36	SCBH20-90	20-26	126	120	14	24	16	11	19	36	30	0.32
LBK3-1-41			131	120							41	0.37
LBK3-2-37			127	115							37	0.54
LBK4-1-58	SCBH20-90	20-26	148	130	22	39	24	11	19	58	40	0.52
LBK4-2-50			140	125							50	0.69
LBK4-3-50	SCBH32-100	32-42	150	135	28	50	30	14	24	31	50	1.06
LBK5-1-60	SCBH20-90	20-26	150	130							11	19
LBK5-2-54	SCBH25-90	25-33	144	125	28	50	30	14	24	24	54	0.84
LBK5-2-74			164	145							74	0.89
LBK5-3-47			147	130							47	1.21
LBK5-3-72	SCBH32-100	32-42	172	155	28	50	30	18	31	31	72	1.31
LBK5-4-42	SCBH40-120	40-55	162	145							22	39
LBK5-4-67	SCBH20-90	20-26	187	170	22	39	40	11	19	70	50	2.17
LBK6-1-70			160	130							70	1.12
LBK6-2-63			153	135							63	1.09
LBK6-2-93	SCBH25-90	25-33	183	165	36	64	40	14	24	24	75	1.19
LBK6-3-56	SCBH32-100	32-42	156	140							18	31
LBK6-3-96	SCBH40-120	40-55	196	180	36	64	40	18	31	31	80	1.66
LBK6-4-51			171	155							51	2.32
LBK6-4-101			221	205							101	2.77
LBK6-5-41	SCBH52-140	52-75	181	165	58	88	50	28	50	50	41	3.57
LBK6-5-91			231	215							91	4.17
LBK7-4-90			210	190							90	3.60
LBK7-4-140	SCBH40-120	40-55	260	240	58	88	50	22	39	39	140	4.01
LBK7-4-180			300	280							180	4.57
LBK7-4-220			340	320							220	4.94
LBK7-5-130			270	250							130	5.63
LBK7-5-180	SCBH52-140	52-75	320	300	58	88	50	28	50	50	180	6.25
LBK7-5-230			370	350							230	6.87
LBK7-5-280			420	400							280	7.50
LBK7-6-145			320	300							145	9.90
LBK7-6-235	SCBH68-175	68-100	410	390	36	64	40	36	64	64	235	11.55
LBK7-6-300			475	455							300	12.67
LBK7-6-365			540	520							365	13.88

## LBK Extension+SRBHLA Twin- Edge Damped Rough Boring Head



### Specifications:

Extension Bar (Reducing)	Boring Head Type No.	ØD(mm)	L(mm)	Z(mm)	Ød1(mm)	Ød2(mm)	l1(mm)	ØD1(mm)	ØD2(mm)	L1(mm)	L2(mm)	(kg) Weight
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							50	35
LBK4-3-50	SRBH32LA-105	32-45	155	140	22	39	24	14	24	31	50	1.06
LBK5-2-54			149	130							54	0.84
LBK5-2-74	SRBH25LA-95	25-35	169	150	28	50	30	14	24	24	74	0.89
LBK5-3-47	SRBH32LA-105	32-45	152	135							18	31
LBK5-3-72	SRBH40LA-130	40-55	177	160	36	64	40	18	31	31	72	1.31
LBK5-4-42			172	155							42	1.97
LBK5-4-67			197	180							67	2.17
LBK6-2-63	SRBH25LA-95	25-35	158	140	36	64	40	14	24	24	63	1.09
LBK6-2-93			188	170							93	1.19
LBK6-3-56	SRBH32LA-105	32-45	161	145	58	88	50	18	31	31	56	1.46
LBK6-3-96			201	185							96	1.66
LBK6-4-51			181	165							51	2.32
LBK6-4-101	SRBH40LA-130	40-55	231	215	22	39	40	22	39	39	101	2.77
LBK6-5-41	186	170	41	3.57								
LBK6-5-91	SRBH52LA-145	52-75	236	220	28	50	50	28	50	50	91	4.17
LBK7-4-90	220	200	90	3.60								
LBK7-4-140	SRBH40LA-130	40-55	270	250	58	88	50	22	39	39	140	4.01
LBK7-4-180			310	290							180	4.57
LBK7-4-220			350	330							220	4.94
LBK7-5-130			275	255							130	5.63
LBK7-5-180	SRBH52LA-145	52-75	325	305	58	88	50	28	50	50	180	6.25
LBK7-5-230			375	355							230	6.87
LBK7-5-280			425	405							280	7.50
LBK7-6-145			325	305							145	10.40
LBK7-6-235	SRBH68LA-180	68-100	415	395	36	64	40	36	64	64	235	12.05
LBK7-6-300			480	460							300	13.17
LBK7-6-365			545	525							365	14.38

# SUPREME PRECISION & QUALITY

## RBT-SCBH Integrated Damped Fine Boring Tool

### 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-SCEH 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

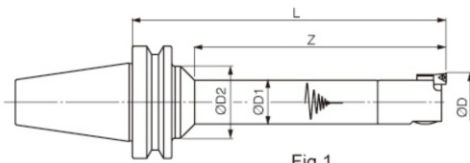


Fig 1.

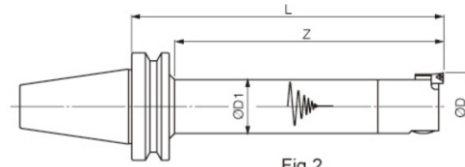


Fig 2.

### Specifications:

Type	Fig	Boring Range	Z (mm)	L (mm)	(mm)		Weight (kg)			
					ØD2	ØD1				
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	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	40-55	200	235	64	39	3.36		
RBT40-SCBH40-275				240	275			3.65		
RBT40-SCBH40-315				280	315			3.94		
RBT40-SCBH52-315				285	315			6.79		
RBT40-SCBH68-305	2	68-100	280	305	50	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	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	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				320	365			6.95		
RBT50-SCBH40-405	2	52-75	360	405	64	50	7.19			
RBT50-SCBH40-445	400		445	7.43						
RBT50-SCBH52-315	270		315	9.23						
RBT50-SCBH52-360	315		360	9.88						
RBT50-SCBH52-405	360		405	10.53						
RBT50-SCBH52-445	400		445	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	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 ※ W/O coolant thru. for SCBH25

## RBT-SRBHLA Integrated Twin-Edge Damped Rough Boring Tool

### Features

1. By integrating STABLELINE® technology into the combination of BT holder, damper device and boring head offers maximum stiffness and excellent surface finishes on your boring operations.
2. Boring range from Ø25 mm up to Ø100mm in standard assortment, SRBH3ZLA boring heads and above are available with internal coolant supply.
3. The RBT-SABHLA 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.

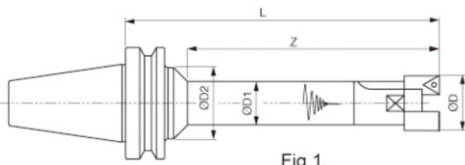


Fig 1.

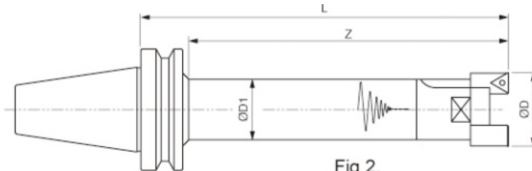


Fig 2.

### Specifications:

Type	Fig	Boring Range	Z (mm)	L (mm)	(mm)		Weight (kg)	
					ØD2	ØD1		
RBT40-SRBH25LA-170	1	25-33	130	170	39	24	1.62	
RBT40-SRBH25LA-195			155	195			1.67	
RBT40-SRBH25LA-220			180	220			1.72	
RBT40-SRBH32LA-205		32-42	32-42	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	40-55	210	245	64	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	64	50	6.79
RBT40-SRBH68LA-310	68-100		280	310	64			9.68
RBT50-SRBH25LA-180	1	25-33	130	180	39	24	4.25	
RBT50-SRBH25LA-205			155	205			4.31	
RBT50-SRBH25LA-230			180	230			4.37	
RBT50-SRBH32LA-225		32-42	32-42	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	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	40-55	330	375	64	39	6.95
RBT50-SRBH40LA-415	370			415	7.19			
RBT50-SRBH40LA-455	1	52-75	410	455	64	50	7.43	
RBT50-SRBH52LA-320			275	320			9.23	
RBT50-SRBH52LA-365	52-75	52-75	320	365	64	50	9.88	
RBT50-SRBH52LA-410			365	410			10.53	
RBT50-SRBH52LA-450			405	450			11.18	
RBT50-SRBH52LA-500	2	68-100	455	500	64	64	11.83	
RBT50-SRBH52LA-550			505	550			12.48	
RBT50-SRBH68LA-380			335	380			15.23	
RBT50-SRBH68LA-445	68-100	68-100	400	445	64	64	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	

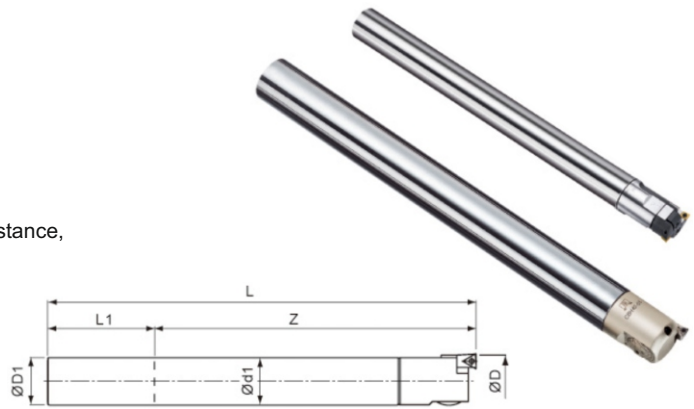
✘ SRBH25LA ✘ W/O coolant thru. for SRBH25LA

# SUPREME PRECISION & QUALITY

## Tungsten Steel Finish / Rough Boring Tool (Boring Range from Ø16 - Ø42mm)

### Features

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.



### Tungsten Steel Finish Boring Tool

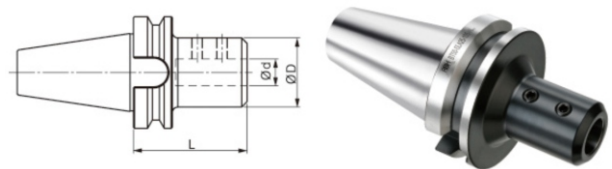
Type	Boring Range	Z (mm)	L (mm)	L1(mm)	ØD1(mm)	Ød1(mm)	Weight (kg)
SC16-MBH16-185	16-20	100	185	85	16	15	0,4
SC19-CBH20-185	20-26	100	185		19	19	0,6
SC19-CBH20-235		150	235		0,8		
SC24-CBH25-190	25-33	100	190	90	24	24	1,05
SC24-CBH25-240		150	240				1,35
SC32-CBH32-240	32-42	150	240		32	31	2,07
SC32-CBH32-290		200	290	2,75			

### Tungsten Steel Rough Boring Tool

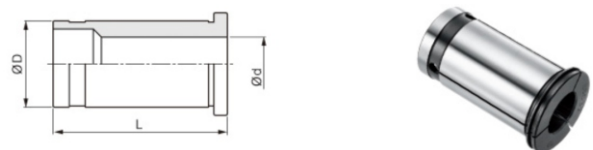
Type	Boring Range	Z (mm)	L (mm)	L1(mm)	ØD1(mm)	Ød1(mm)	Weight (kg)
SC16-MBH16-185	15.8-20	100	185	85	16	15	0,4
SC19-CBH20-185	19.8-26	100	185		19	19	0,6
SC19-CBH20-235		150	235		0,8		
SC24-CBH25-190	24.8-35	100	190	90	24	24	1,05
SC24-CBH25-240		150	240				1,35
SC32-CBH32-240	31.8-45	150	240		32	31	2,07
SC32-CBH32-290		200	290	2,75			

### Side Lock Holder for Tungsten Steel Fine Boring Tool

Type	Ød(mm)	ØD(mm)	L (mm)	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			105	4.10
RBT50-SLA24-150-W	24	45	150	4.50
RBT50-SLA25-105-W			105	4.10
RBT50-SLA25-150-W	25	45	150	4.50
RBT50-SLA32-105-W			105	4.40
RBT50-SLA32-150-W	32	62	150	5.25
RBT50-SLA40-150-W			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



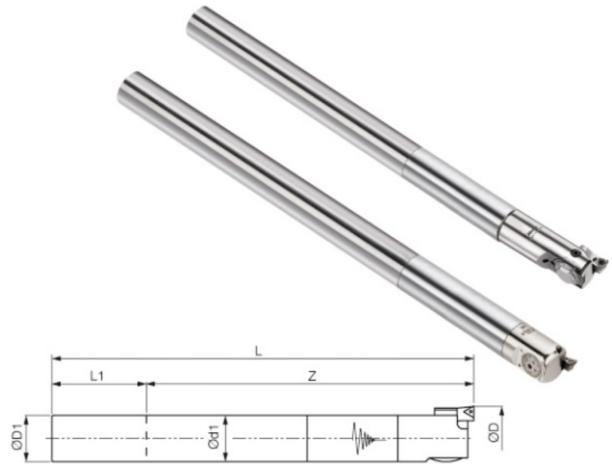
Type	Ød(mm)	ØD(mm)	L (mm)	Weight (kg)
C32-16	16	32	65	0.30
C32-19	19			0.25
C32-20	20			0.20
C32-24	24			0.18
C32-25	25			0.16



## Tungsten Steel Finish / Rough Boring Tool (Boring Range from Ø16 - Ø75mm)

### Features

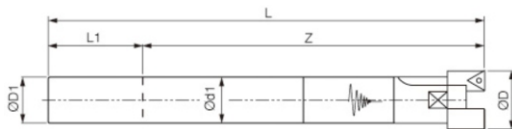
1. By integrating STABLELINE® technology into the combination of tungsten carbide tool bar, damper device and precision micro - adjustment boring head offers maximum stiffness and excellent surface finishes for your boring operations.
2. Boring range from Ø16 mm up to Ø75 mm in standard assortment.
3. 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.



### Tungsten Steel Finish Boring Tool

Type	ØD (mm) Boring Range	Z (mm)	L (mm)	L1 (mm)	ØD1 (mm)	Ød1 (mm)	(kg) Weight
SC16-SCBH16-235	16-20	120	200	80	16	15	0.50
SC16-SCBH16-285		170	250	80			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-SCBH40-510	40-55	400	520	120	40	39	6.05
SC40-SCBH40-590		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 ※ W/O coolant thru. for SMBH16 - SCBH20 - SCBH25



### Tungsten Steel Rough Boring Tool

Type	ØD (mm) Boring Range	Z (mm)	L (mm)	L1 (mm)	ØD1 (mm)	Ød1 (mm)	(kg) Weight
SC16-SCBH16-235	15.8-20	120	200	80	16	15	0.50
SC16-SCBH16-285		170	250	80			0.80
SC19-SCBH20-270	19.8-26	190	270	80	19	19	1.02
SC19-SCBH20-320		240	320	80			1.17
SC24-SCBH25LA-335	24.8-33	255	335	80	24	24	1.84
SC24-SCBH25LA-385		305	385	80			2.21
SC32-SCBH32LA-405	31.8-42	315	405	90	32	31	3.51
SC32-SCBH32LA-445		365	455	90			4.04
SC40-SCBH40LA-520	39.8-55	410	530	120	40	39	6.05
SC40-SCBH40LA-600		490	610	120			8.09
SC50-SCBH52LA-675	51.8-75	525	675	150	50	50	14.31
SC50-SCBH52LA-775		625	775	150			16.24

※ SMBH16 - SCBH20 - SCBH25LA ※ W/O coolant thru. for SMBH16 - SCBH20 - SCBH25LA

# SUPREME PRECISION & QUALITY

## RBT-SLBK Damped Boring Bar

### Features

1. By integrating STABLELINE® SLEK 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.

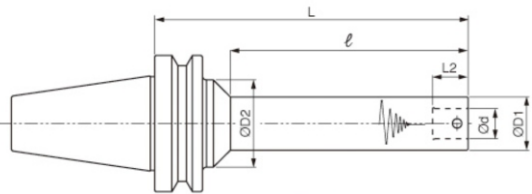


Fig 1.

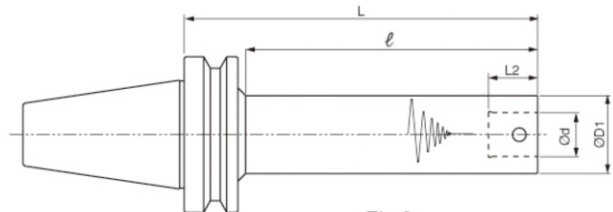


Fig 2.

### Specifications:

Type	Fig	L (mm)	l (mm)	ØD2(mm)	ØD1(mm)	Ød(mm)	L2(mm)	Applicable Boring Heads	(kg) Weight						
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		1	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	64	50	28	32	CBH52, CBM55, RBH52LA	6.30						
RBT40-SLBK6-295		295	270						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		1	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		1	310	265	50	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	64	36	42	CBH68, CBM68, RBH68&90LA	14.28
RBT50-SLBK6-440		440	395	15.11											
RBT50-SLBK6-505		505	460	15.96											

※ SLBK2 ※ W/O coolant thru. for SLBK2

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

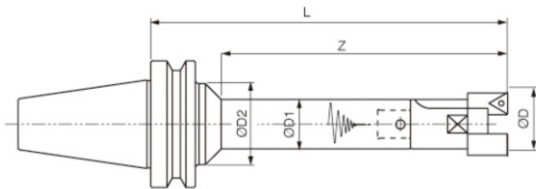


Fig 1.

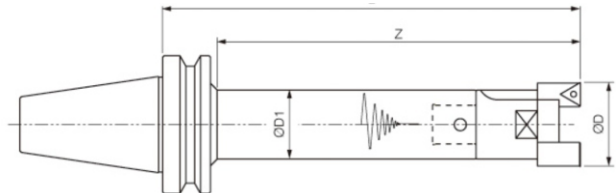


Fig 2.

### Specifications:

Damped Boring Bar	RBH-LA Rough Boring Head	Fig	Boring Range ØD(mm)	Z (mm)	L (mm)	(mm)		(kg) Weight		
						ØD2	ØD1			
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	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	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	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	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		

# SUPREME PRECISION & QUALITY

## RBT-SLBK Damped Boring Bar to CBH Fine Boring Head

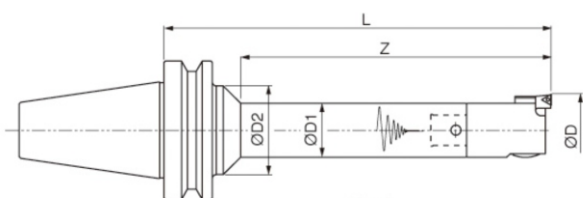


Fig 1.

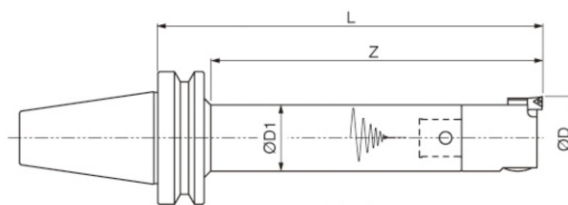


Fig 2.

### Specifications:

Damped Boring Bar	CBH Fine Boring Head	Fig	Boring Range ØD(mm)	Z (mm)	L (mm)	(mm)		(kg) Weight		
						ØD2	ØD1			
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	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	64		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	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	CBH90		100-152	400	445			64	64	17.18
RBT50-SLBK6-440				465	510					18.01
RBT50-SLBK6-505				530	575					18.86

## RBT-SLBK Damped Boring Bar to CBM Fine Boring Head

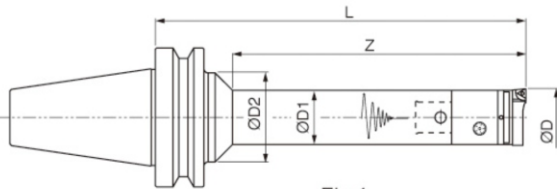


Fig 1.

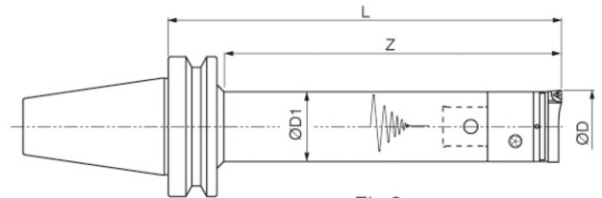


Fig 2.

### Specifications:

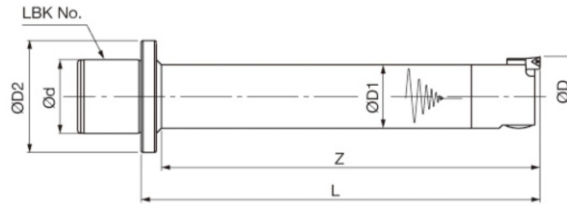
Damped Boring Bar	CBM Fine Boring Head	Fig	Boring Range ØD(mm)	Z (mm)	L (mm)	(mm)		(kg) Weight
						ØD2	ØD1	
RBT40-SLBK2-150	CBM27-SP27	1	27-40	160	200	39	24	1.62
RBT40-SLBK2-175				185	225			1.68
RBT40-SLBK2-200	CBM35-SP35	1	35-50	225	265	50	31	2.57
RBT40-SLBK3-230				255	295			2.70
RBT40-SLBK4-235	CBM45-SP45	1	45-65	280	315	50	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		64	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	1	35-50	225	285	50	31	5.33
RBT50-SLBK3-250				255	315			5.51
RBT50-SLBK4-260	CBM45-SP45	1	45-65	285	340	64	39	6.71
RBT50-SLBK4-300				325	380			6.95
RBT50-SLBK5-310	CBM55-SP55	1	55-80	350	395	64	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	2	100-154	430	475	/	64	16.39
RBT50-SLBK6-440				495	540			17.22

# SUPREME PRECISION & QUALITY

## LBK Integrated Modular Damped Fine Boring Tool

### 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.



### Specifications:

Type	ØD(mm) Boring Range	Ød (mm)	ØD2 (mm)	ØD1 (mm)	Z (mm)	L (mm)	(kg) Weight
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			19	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

※ SCRH20 - SCRH25 ※ W/O coolant thru. for SCRH20 - SCRH25

## RBK Holder to LBK Integrated Modular Damped Fine Boring Tool

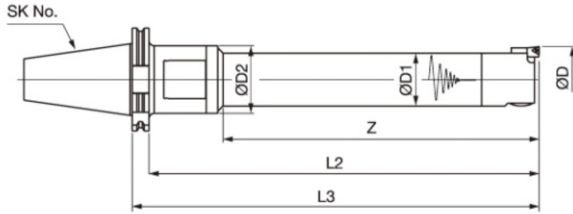


### Specifications:

Type		ØD(mm) Boring Range	ØD2 (mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	(kg) Weight
Tool Holder	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		
	440		505		530	8.93		
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		
	440		505		530	12.13		
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

# SUPREME PRECISION & QUALITY

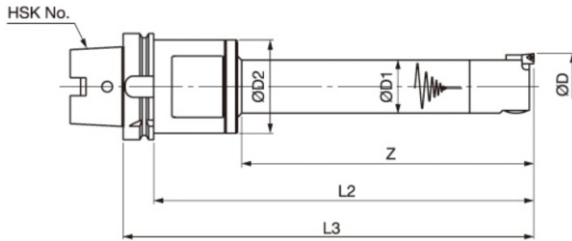
## SK Holder to LBK Integrated Modular Damped Fine Boring Tool



### Specifications:

Type		ØD(mm) Boring Range	ØD2 (mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	(kg) Weight
Tool Holder	Boring Tool							
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 Holder to LBK Integrated Modular Damped Fine Boring Tool



### Specifications:

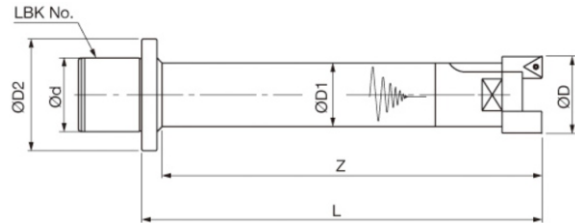
Type		ØD(mm) Boring Range	ØD2 (mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	(kg) Weight
Tool Holder	Boring Tool							
HSK-A63-LBK6-70	LBK6-1-SCBH20-150	20-26	64	19	120	195	220	2.29
	LBK6-1-SCBH20-170				140	215	240	2.36
	LBK6-1-SCBH20-190				160	235	260	2.49
	LBK6-2-SCBH25-175	25-33		24	150	220	245	2.60
	LBK6-2-SCBH25-200				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		

# SUPREME PRECISION & QUALITY

## LBK Integrated Modular Damped Rough Boring Tool

### 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.

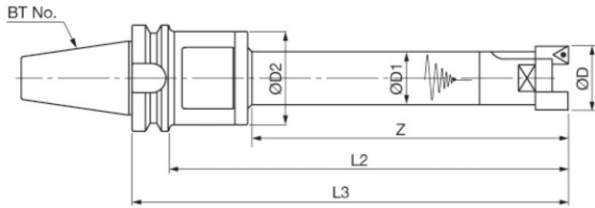


### Specifications:

Type	ØD(mm) Boring Range	Ød (mm)	ØD2 (mm)	ØD1 (mm)	Z (mm)	L (mm)	(kg) Weight		
LBK6-2-SPRBH25LA-180	25-35	36	64	24	155	180	1.33		
LBK6-2-SPRBH25LA-205					180	205	1.40		
LBK6-2-SPRBH25LA-230					205	230	1.48		
LBK6-3-SPRBH32LA-220	32-45			36	64	31	195	220	2.01
LBK6-3-SPRBH32LA-250							225	250	2.16
LBK6-3-SPRBH32LA-280							255	280	2.30
LBK6-4-SPRBH40LA-270	40-55			36	64	39	250	270	3.11
LBK6-4-SPRBH40LA-310							290	310	3.39
LBK6-4-SPRBH40LA-350							330	350	3.73
LBK6-5-SPRBH52LA-320	52-75			36	64	50	305	320	5.77
LBK6-5-SPRBH52LA-370							355	370	6.39
LBK6-5-SPRBH52LA-420							405	420	7.01
LBK7-4-SPRBH40LA-280	40-55	58	88	39	250	280	4.12		
LBK7-4-SPRBH40LA-320					290	320	4.43		
LBK7-4-SPRBH40LA-360					330	360	4.75		
LBK7-45-SPRBH46LA-335	46-55			58	88	45	310	335	4.88
LBK7-45-SPRBH46LA-385							360	385	5.35
LBK7-45-SPRBH46LA-435							410	435	5.82
LBK7-5-SPRBH52LA-330	52-75			58	88	50	305	330	6.77
LBK7-5-SPRBH52LA-380							355	380	7.37
LBK7-5-SPRBH52LA-430							405	430	8.00
LBK7-6-SPRBH68LA-425	68-100			58	88	64	405	425	12.56
LBK7-6-SPRBH68LA-485							465	485	13.81
LBK7-6-SPRBH68LA-545							525	545	15.05

※ SRBH25LA ※ W/O coolant thru. for SRBH25LA

## RBT Holder to LBK Integrated Modular Damped Rough Boring Tool

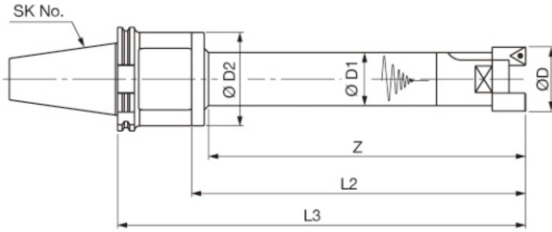


### Specifications:

Type		ØD(mm) Boring Range	ØD2 (mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	(kg) Weight
Tool Holder	Boring Tool							
RBT40-LBK6-65	LBK6-2-SCBH25LA-180	25-35	64	24	155	220	245	2.63
	LBK6-2-SCBH25LA-205				180	245	270	2.70
	LBK6-2-SCBH25LA-230				205	270	295	2.78
	LBK6-3-SCBH32LA-220	32-45		31	195	260	285	3.31
	LBK6-3-SCBH32LA-250				225	290	315	3.46
	LBK6-3-SCBH32LA-280				255	320	345	3.60
	LBK6-4-SCBH40LA-270	40-55		39	250	310	335	4.41
	LBK6-4-SCBH40LA-310				290	350	375	4.69
	LBK6-4-SCBH40LA-350				330	390	415	5.03
	LBK6-5-SCBH52LA-320	52-75		50	305	360	385	7.07
	LBK6-5-SCBH52LA-370				355	410	435	7.69
	LBK6-5-SCBH52LA-420				405	460	485	8.31
RBT50-LBK6-75	LBK6-2-SCBH25LA-180	25-35	64	24	155	220	255	5.83
	LBK6-2-SCBH25LA-205				180	245	280	5.90
	LBK6-2-SCBH25LA-230				205	270	305	5.98
	LBK6-3-SCBH32LA-220	32-45		31	195	260	295	6.51
	LBK6-3-SCBH32LA-250				225	290	325	6.66
	LBK6-3-SCBH32LA-280				255	320	355	6.80
	LBK6-4-SCBH40LA-270	40-55		39	250	310	345	7.61
	LBK6-4-SCBH40LA-310				290	350	385	7.89
	LBK6-4-SCBH40LA-350				330	390	425	8.23
	LBK6-5-SCBH52LA-320	52-75		50	305	360	395	10.27
	LBK6-5-SCBH52LA-370				355	410	445	10.89
	LBK6-5-SCBH52LA-420				405	460	495	11.51
RBT50-LBK7-100	LBK7-4-SCBH40LA-280	40-55	88	39	250	345	380	8.92
	LBK7-4-SCBH40LA-320				290	385	420	9.23
	LBK7-4-SCBH40LA-360				330	425	460	9.55
	LBK7-45-SCBH46LA-335	46-55		45	310	400	435	9.68
	LBK7-45-SCBH46LA-385				360	450	485	10.15
	LBK7-45-SCBH46LA-435				410	500	535	10.62
	LBK7-5-SCBH52LA-330	52-75		50	305	395	430	11.57
	LBK7-5-SCBH52LA-380				355	445	480	12.17
	LBK7-5-SCBH52LA-430				405	495	530	12.80
	LBK7-6-SCBH68LA-425	68-100		64	405	490	525	17.36
	LBK7-6-SCBH68LA-485				465	550	585	18.61
	LBK7-6-SCBH68LA-545				525	610	645	19.85

# SUPREME PRECISION & QUALITY

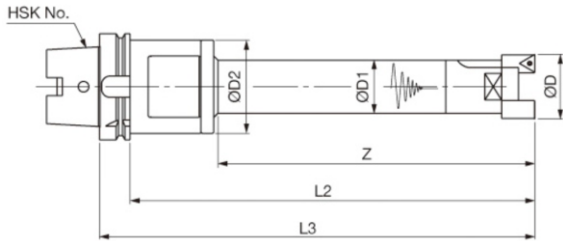
## SK Holder to LBK Integrated Modular Damped Rough Boring Tool



### Specifications:

Type		ØD(mm) Boring Range	ØD2 (mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	(kg) Weight
Tool Holder	Boring Tool							
SK40-LBK6-65	LBK6-2-SCBH25LA-180	25-35	64	24	155	225	245	2.81
	LBK6-2-SCBH25LA-205				180	250	270	2.88
	LBK6-2-SCBH25LA-230				205	275	295	2.96
	LBK6-3-SCBH32LA-220	32-45		31	195	265	285	3.49
	LBK6-3-SCBH32LA-250				225	295	315	3.64
	LBK6-3-SCBH32LA-280				255	325	345	3.78
	LBK6-4-SCBH40LA-270	40-55		39	250	315	335	4.59
	LBK6-4-SCBH40LA-310				290	355	375	4.87
	LBK6-4-SCBH40LA-350				330	395	415	5.21
	LBK6-5-SCBH52LA-320	52-75		50	305	365	385	7.25
	LBK6-5-SCBH52LA-370				355	415	435	7.87
	LBK6-5-SCBH52LA-420				405	465	485	8.49
SKT50-LBK6-95	LBK6-2-SCBH25LA-180	25-35	64	24	155	255	255	5.35
	LBK6-2-SCBH25LA-205				180	280	280	5.42
	LBK6-2-SCBH25LA-230				205	305	305	5.50
	LBK6-3-SCBH32LA-220	32-45		31	195	295	295	6.03
	LBK6-3-SCBH32LA-250				225	325	325	6.18
	LBK6-3-SCBH32LA-280				255	355	355	6.32
	LBK6-4-SCBH40LA-270	40-55		39	250	345	345	7.13
	LBK6-4-SCBH40LA-310				290	385	385	7.41
	LBK6-4-SCBH40LA-350				330	425	425	7.75
	LBK6-5-SCBH52LA-320	52-75		50	305	395	395	9.79
	LBK6-5-SCBH52LA-370				355	445	445	10.41
	LBK6-5-SCBH52LA-420				405	495	495	11.03
SK50-LBK7-100	LBK7-4-SCBH40LA-280	40-55	88	39	250	360	380	8.14
	LBK7-4-SCBH40LA-320				290	400	420	8.45
	LBK7-4-SCBH40LA-360				330	440	460	8.77
	LBK7-45-SCBH46LA-335	46-55		45	310	415	435	8.92
	LBK7-45-SCBH46LA-385				360	465	485	9.37
	LBK7-45-SCBH46LA-435				410	515	535	9.84
	LBK7-5-SCBH52LA-330	52-75		50	305	410	430	10.79
	LBK7-5-SCBH52LA-380				355	460	480	11.39
	LBK7-5-SCBH52LA-430				405	510	530	12.02
	LBK7-6-SCBH68LA-425	68-100		64	405	505	525	16.58
	LBK7-6-SCBH68LA-485				465	565	585	17.83
	LBK7-6-SCBH68LA-545				525	625	645	19.07

## SK Holder to LBK Integrated Modular Damped Rough Boring Tool



### Specifications:

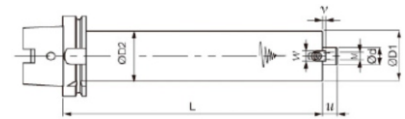
Type		ØD(mm) Boring Range	ØD2 (mm)	ØD1 (mm)	Z (mm)	L2 (mm)	L3 (mm)	(kg) Weight
Tool Holder	Boring Tool							
HSK-A63-LBK6-70	LBK6-2-SCBH25LA-180	25-35	64	24	155	225	245	2.60
	LBK6-2-SCBH25LA-205				180	250	270	2.67
	LBK6-2-SCBH25LA-230				205	275	295	2.75
	LBK6-3-SCBH32LA-220	32-45		31	195	265	285	3.28
	LBK6-3-SCBH32LA-250				225	295	315	3.43
	LBK6-3-SCBH32LA-280				255	325	345	3.57
	LBK6-4-SCBH40LA-270	40-55		39	250	315	335	4.38
	LBK6-4-SCBH40LA-310				290	355	375	4.66
	LBK6-4-SCBH40LA-350				330	395	415	5.00
	LBK6-5-SCBH52LA-320	52-75		50	305	365	385	7.04
	LBK6-5-SCBH52LA-370				355	415	435	7.66
	LBK6-5-SCBH52LA-420				405	465	485	8.28
HSK-A100-LBK6-75	LBK6-2-SCBH25LA-180	25-35	64	24	155	225	255	4.16
	LBK6-2-SCBH25LA-205				180	250	280	4.23
	LBK6-2-SCBH25LA-230				205	275	305	4.31
	LBK6-3-SCBH32LA-220	32-45		31	195	265	295	4.84
	LBK6-3-SCBH32LA-250				225	295	325	4.99
	LBK6-3-SCBH32LA-280				255	325	355	5.13
	LBK6-4-SCBH40LA-270	40-55		39	250	315	345	5.94
	LBK6-4-SCBH40LA-310				290	355	385	6.22
	LBK6-4-SCBH40LA-350				330	395	425	6.56
	LBK6-5-SCBH52LA-320	52-75		50	305	365	395	8.60
	LBK6-5-SCBH52LA-370				355	415	445	9.22
	LBK6-5-SCBH52LA-420				405	465	495	9.84
HSK-A100-LBK7-100	LBK7-4-SCBH40LA-280	40-55	88	39	250	350	380	8.21
	LBK7-4-SCBH40LA-320				290	390	420	8.52
	LBK7-4-SCBH40LA-360				330	430	460	8.84
	LBK7-45-SCBH46LA-335	46-55		45	310	405	435	8.96
	LBK7-45-SCBH46LA-385				360	455	485	9.43
	LBK7-45-SCBH46LA-435				410	505	535	9.90
	LBK7-5-SCBH52LA-330	52-75		50	305	400	430	10.86
	LBK7-5-SCBH52LA-380				355	450	480	11.46
	LBK7-5-SCBH52LA-430				405	500	530	12.08
	LBK7-6-SCBH68LA-425	68-100		64	405	495	525	16.65
	LBK7-6-SCBH68LA-485				465	555	585	17.90
	LBK7-6-SCBH68LA-545				525	615	645	19.14

# SUPREME PRECISION & QUALITY

## HSK-FMH Series Damped Milling Tool

### Features

1. With configuration of hollow type 1001 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.



Type	L (mm)	ØD2(mm)	ØD1(mm)	Ød (mm)	u (mm)	v (mm)	W (mm)	M	(kg) Weight							
HSK-A63-FMH16-150-D38	150	38	38	16	16.5	4.3	8	M8	1.88							
HSK-A63-FMH16-200-D38	200								2.58							
HSK-A63-FMH16-250-D38	250								3.31							
HSK-A63-FMH16-300-D38	300								4.04							
HSK-A63-FMH22-150-D48	150	48	48	22	18	4.3	10	M10	2.93							
HSK-A63-FMH22-200-D48	200								3.67							
HSK-A63-FMH22-250-D48	250								4.40							
HSK-A63-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								5.16							
HSK-A100-FMH22-250-D48	250	48	48	22	18	4.3	10	M10	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	22	18	4.3	10	M10	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	61	58	22	18	4.3	10	M10	12.02							
HSK-A100-FMH22-500-D58	500								13.08							
HSK-A100-FMH27-250-D58	250								78	74	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	78	74	27	20	5.8	12	M12	11.55							
HSK-A100-FMH27-500-D58	500								12.42							
HSK-A100-FMH27-550-D74	550								15.90							
HSK-A100-FMH27-600-D74	600								16.98							
HSK-A100-FMH32-250-D74	250	78	74	27	20	5.8	12	M12	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	78	74	32	21	6.8	14	M16	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.

## HSK-FMH Series Damped Milling Tool

### Features

1. With configuration of hollow type 1001 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.



Type	L (mm)	ØD2(mm)	ØD1(mm)	Ød (mm)	u (mm)	v (mm)	w (mm)	M	(kg) Weight
HSK-A63-FMH16-150-D38	150	38	38	16	16.5	4.3	8	M8	1.88
HSK-A63-FMH16-200-D38	200								2.58
HSK-A63-FMH16-250-D38	250								3.31
HSK-A63-FMH16-300-D38	300								4.04
HSK-A63-FMH22-150-D48	150	48	48	22	18	4.3	10	M10	2.93
HSK-A63-FMH22-200-D48	200								3.67
HSK-A63-FMH22-250-D48	250								4.40
HSK-A63-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								5.16
HSK-A100-FMH22-250-D48	250	48	48	22	18	4.3	10	M10	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	22	18	4.3	10	M10	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	61	58	22	18	4.3	10	M10	12.02
HSK-A100-FMH22-500-D58	500								13.08
HSK-A100-FMH27-250-D58	250								8.05
HSK-A100-FMH27-300-D58	300								8.94
HSK-A100-FMH27-350-D58	350	61	58	22	18	4.3	10	M10	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	27	20	5.8	12	M12	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	78	74	27	20	5.8	12	M12	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	78	74	27	20	5.8	12	M12	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	78	74	32	21	6.8	14	M16	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**

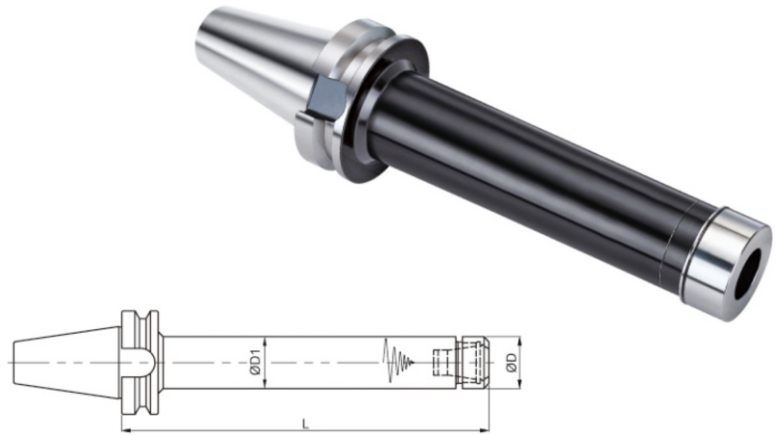
1. The FMH damped milling tool is designed to handle stepped milling operations instead of plunge milling.
2. Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.

# SUPREME PRECISION & QUALITY

## RBT-SNER Series Damped Milling Tool

### Features

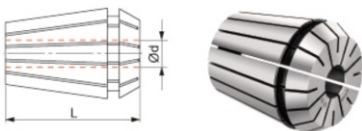
1. A perfect combination of damper ana NER tool clamping system.
2. Damping reduces vibration generated from cutting with tungsten carbide milling cutters.
3. Superior surface finish and machining efficiency can therefore be performed.



### Specifications:

Type	L (mm)	ØD (mm)	ØD1 (mm)	Collet	Ød (mm)	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	63	58	ER40	6~25	7.95
RBT50-SNER40-280-D58	280					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				

## ER Series Collet



Type	Ød	L
ER25-05	6	34
ER25-08	8	
ER25-10	10	
ER25-12	12	
ER25-16	16	

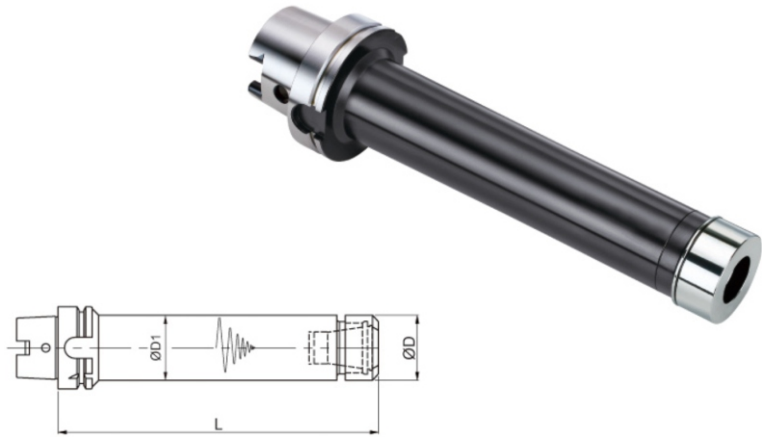
Type	Ød	L
ER32-06	6	40
ER32-08	8	
ER32-10	10	
ER32-12	12	
ER32-16	16	
ER32-20	20	

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 Series Damped Milling Tool

### Features

1. A perfect combination of damper ana 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.



### Specifications:

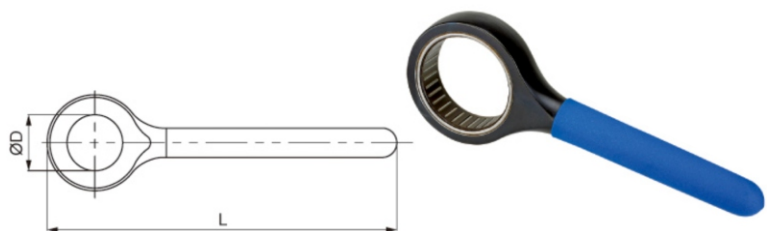
Type	L (mm)	ØD (mm)	ØD1 (mm)	Collet	Ød (mm)	Weight (kg)
HSK-A63-SNER25-180-D38	180	40	38	ER25	6-16	2.00
HSK-A63-SNER25-230-D38	230					2.70
HSK-A63-SNER25-280-D38	280					3.43
HSK-A63-SNER25-330-D38	330					4.16
HSK-A63-SNER32-180-D48	180	50	48	ER32	6-20	2.96
HSK-A63-SNER32-230-D48	230					3.70
HSK-A63-SNER32-280-D48	280					4.43
HSK-A63-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					5.19
HSK-A100-SNER32-280-D48	280	50	48	ER32	6-20	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

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.

Notice of operations

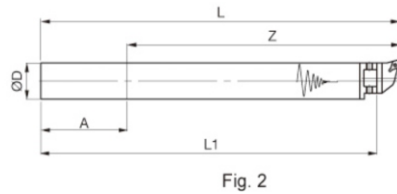
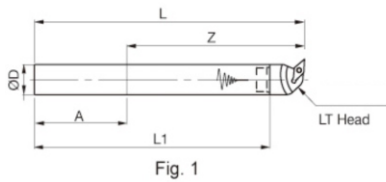
## ER Series Collet

Type	ØD (mm)	L (mm)
SNER25	235	40
SNER32	235	50
SNER40	250	63



# SUPREME PRECISION & QUALITY

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

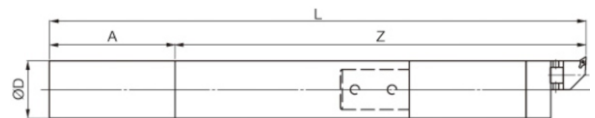


### Specifications:

Type	Fig.	L1 (mm)	Z (mm)	L (mm)	A (mm)	Z/D	ØD (mm)	LT Head	(kg) Weight	
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
SLTC25-260		260	210	290	8D	1.16				
SLTC32-260		260	205	295	90	6D	32	LT32		
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	150	10D	50	LT50	4.62	
SLTC50-420		420	310	460		6D			7.10	
SLTC50-520		520	410	560		8D			8.39	
SLTC50-620-SKD	620	510	660	150	10D	60	LT60	9.68		
SLTC60-600	600	490	640		8D			11.53		
SLTC60-720-SKD	720	610	760		10D			13.24		

※ 1. LT heads not included. 2. W/O coolant thru. for SLTC12-SLTC25

## SLT D80\* Damped Turning Holder



### Specifications:

Type	Z (mm)	L (mm)	A (mm)	Z/D	ØD (mm)	Tool Type	(kg) Weight
SLTC80-1250	850	1250	400	10D	80	LT50	39
SLTC80-1450-SKD	1050	1450		12D			BSB20
SLTC100-1400	1000	1400	400	10D	100	LT50	62
SLTC100-1600	1200	1600		12D			BSB25
SLTC120-1800	1200	1800	600	10D	120	LT50	138
SLTC120-2000	1400	2000		12D			BSB25
SLTC150-2500	1500	2500	1000	10D	150	LT50	180
SLTC150-2800	1800	2800		12D			BSB25
SLTC180-2800	1800	2800	1000	10D	180	LT50	288
SLTC180-3200	2200	3200		12D			BSB25
SLTC200-3200	2200	3200	1000	11D	200	LT50	370
SLTC200-3500	2500	3500		12D			BSB25

※ 1. LT heads and square cutting tools not included. 2. Available with counterweight (option)

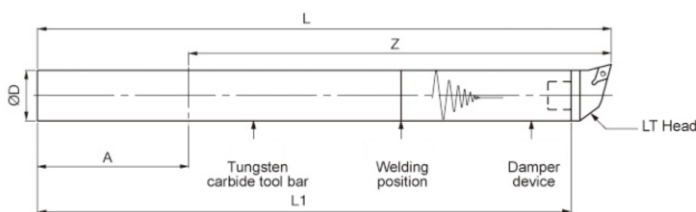
## WSLT Damped Tungsten Steel Turning Holder

### 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.

### 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.



### Specifications:

Type	L1 (mm)	Z (mm)	L (mm)	A (mm)	Z/D	ØD (mm)	LT Head	(kg) Weight
WSLTC12-175	175	120	190	70	10D	12	LT12	0.36
WSLTC16-220	220	175	245		10D			
WSLTC16-270	270	225	295		13D			
WSLTC20-250	250	200	280	80	10D	20	LT20	1.29
WSLTC20-300	300	250	330		12D			
WSLTC20-350	350	280	380		14D			
WSLTC25-300	300	250	330		10D			
WSLTC25-350	350	300	380	12D				
WSLTC25-400	400	350	430	14D				
WSLTC32-400	400	345	435	90	10D	32	LT32	3.40
WSLTC32-450	450	395	485		12D			
WSLTC32-500	500	445	535		14D			
WSLTC40-530	530	450	570	120	11D	40	LT40	8.40
WSLTC40-610	610	530	650		13D			
WSLTC40-690	690	610	730		15D			
WSLTC50-720	720	610	760	150	12D	50	LT50	13.40
WSLTC50-820	820	710	860		14D			
WSLTC50-920	920	810	960		16D			
WSLTC60-890	890	730	930	200	12D	60	LT50	27.90
WSLTC60-1010	1010	850	1050		14D			
WSLTC60-1130	1130	970	1170		16D			

※ LT heads not included.

※ Customizes tool diameter and length are available.

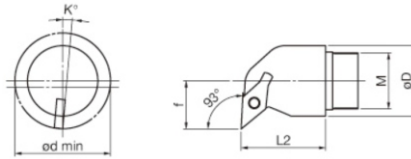
※ Specifications marked in red are the tools with critical L/D ratios. Please provide complete cutting parameters prior to purchase.

※ WSLTC12-WSLTC25 ※ W/O coolant thru. for WSLTC12-WSLTC25

# SUPREME PRECISION & QUALITY

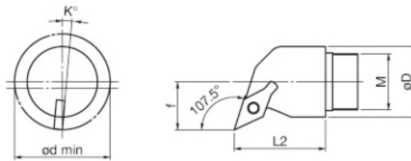
## LT12, LT16, LT20, LT25 Turning Head Series 1

※ Customizes turning head is available.



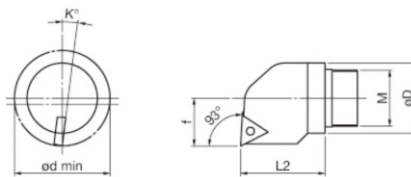
### ● SDUC > DC07 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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



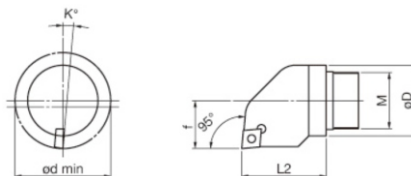
### ● SDQC > DC07 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(M)
LT12-SDQCR-07	15	12	8.5	10	16	DC..0702..	M2.5	T8	M9x0.5



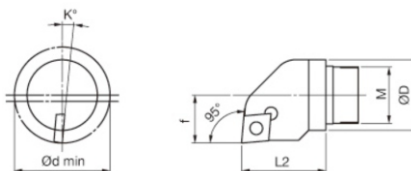
### ● SDUP > DC09 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(M)
LT12-SDUPR-09	15	12	8.5	10	16	TP..0902..	M2.5	T8	M9x0.5



### ● SCLC > CC06 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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

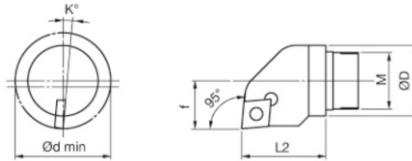


### ● SCLC > CC09 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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

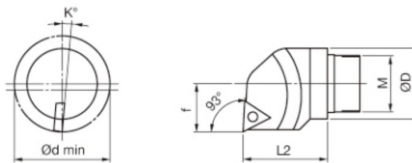
## LT12, LT16, LT20, LT25 Turning Head Series 2

※ Customizes turning head is available.



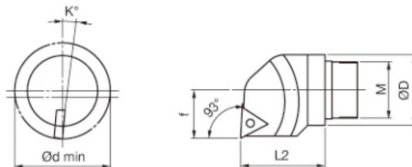
### SCLP > CP09 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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



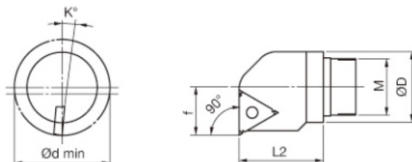
### STUC > TP11 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(M)
LT16-STUCR-09	25	16	10	7	20	TC..1102..	M2.5	T8	M13x0.5
LT20-STUCR-09	30	20	13	7	25				M16x0.75
LT25-STUCR-09	30	25	15	5	30				M20x0.75



### STUP > TP11 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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



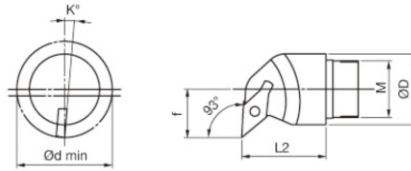
### SNR > Threading Tool

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(M)
LT16-SNR-16	25	16	10	15	20	16NT/L	M3.5	T15	M13x0.5
LT20-SNR-16	30	20	13	15	26				M16x0.75
LT25-SNR-16	30	25	15	15	32				M20x0.75

# SUPREME PRECISION & QUALITY

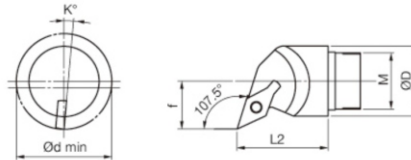
## LT12, LT16, LT20, LT25 Turning Head Series 3

※ Customizes turning head is available.



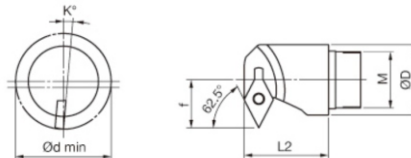
### SDUC > DC11 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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



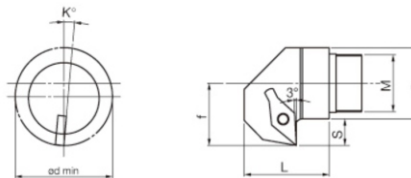
### SDQC > DC11 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	Insert	Screw	Wrench	(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 Insert

Type	L2 (mm)	ØD (mm)	f	K°	Ød (mm)	S	Insert	Screw	Wrench	(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

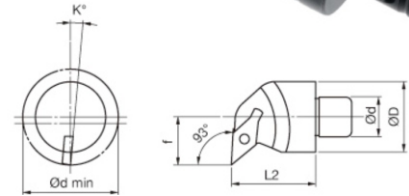
## LT12, LT16, LT20, LT25 Turning Head Series 1

※ Customizes turning head is available.



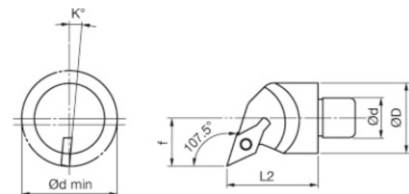
### ● SDUC > DC11 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



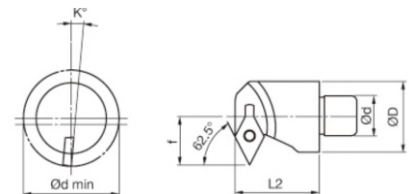
### ● SDQC > DC11 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



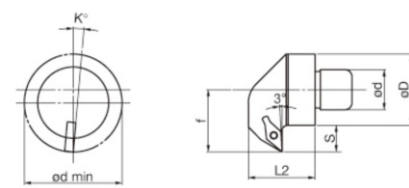
### ● SDNC > DC11 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	Wrench
LT32-SDNCR-11	35	32	20	18	6	40	DC..11T3..	M4	T15
LT40-SDNCR-11	40	40	26	22	6	52			
LT50-SDNCR-11	40	50	32	28	6	64			



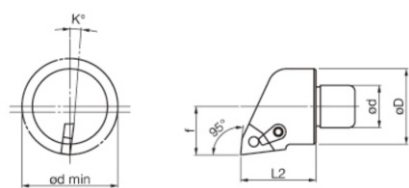
### ● SDZC > DC11 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	S	Insert	Screw	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 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Pin	Wrench	Clamp	Screw	Wrench
LT32-MWLN-08	35	32	20.0	18	13	40	WN..0804..	MLP44-A	T15	MC515	MS520TX	ETL10
LT40-MWLN-08	40	40	25.5	22	10	50						
LT50-MWLN-08	40	50	30.5	28	9	60						



# SUPREME PRECISION & QUALITY

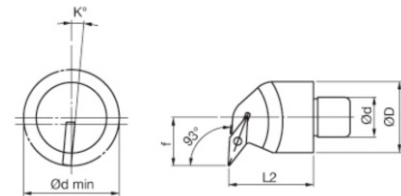
## LT32, LT40, LT50 Turning Head Series 2

※ Customizes turning head is available.



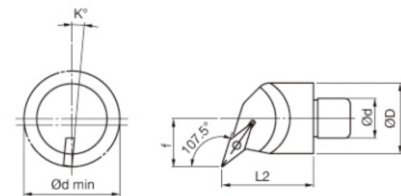
### ● SVUC > VC16 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	Wrench
LT32-SVUCR-16	35	32	20	18	5	40	DC..11T3..	M4	T15
LT40-SVUCR-16	40	40	26	22	5	52			
LT50-SVUCR-16	40	50	32	28	5	64			



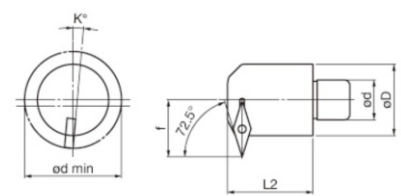
### ● SVUC > VC16 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



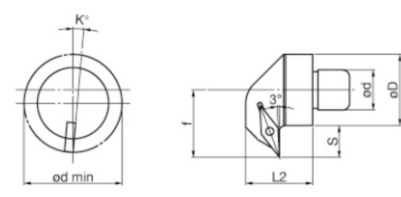
### ● SVNC > VC16 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



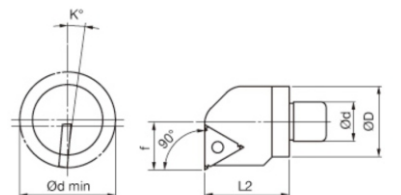
### ● SVZC > VC16 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	S	Insert	Screw	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	64	13.0			



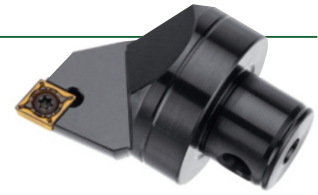
### ● SNR > Threading Tool

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



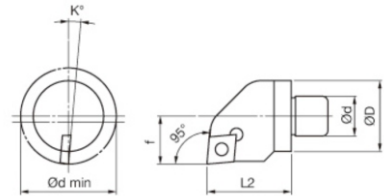
## LT32, LT40, LT50 Turning Head Series 3

※ Customizes turning head is available.



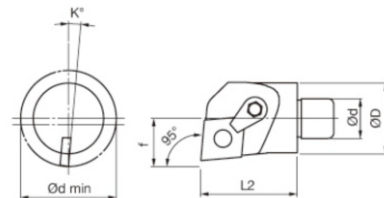
### ● SCLC > CC09 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



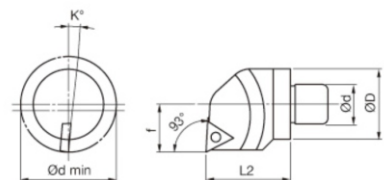
### ● MCLN > CN12 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Pin	Wrench	Clamp	Screw	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						



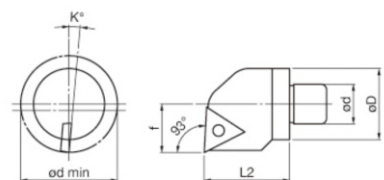
### ● STUC > TC11 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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			



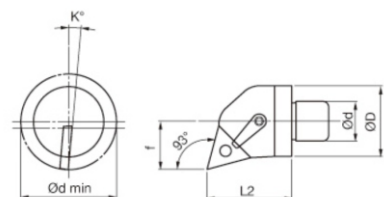
### ● STUC > TC16 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Screw	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 Insert

Type	L2 (mm)	ØD (mm)	f	Ød	K°	Ød (mm)	Insert	Pin	Wrench	Clamp	Screw	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						

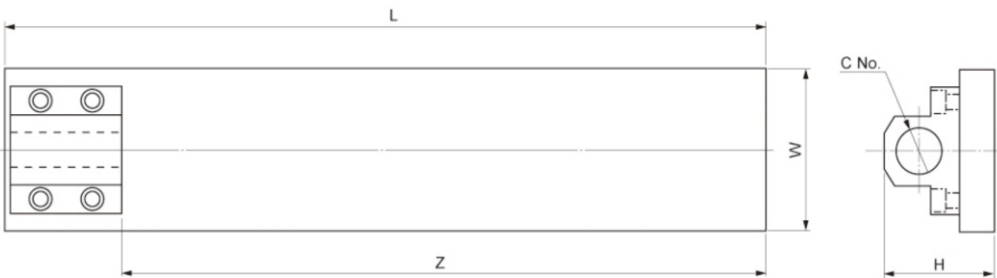


# SUPREME PRECISION & QUALITY

## Tool Setter for Damped Turning Tool

### 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).



### Specifications:

Type	Z (mm) Effective length	L (mm) Overall length	W (mm) Width	H (mm) Height	(kg) Weight	C No. Suitable sleeve type
C32 Tool setter	600	700	150	150	26	DC32
C40 Tool setter						DC40
C50 Tool setter						DC50
C60 Tool setter						DC60

※ Standard accessories including: Block gauge x 1 pc, Retaining ring x 1 pc, 4 mm Hex wrench x 1 pc.

※ Specifications NOT including: turning tool bars tool heads.

## DC32, DC40, DC50, DC60 Damped Turning Tool Sleeve Series

### Features

1. Using damped turning tool sleeves for clamping of damped turning tools or damped tungsten carbide turning 10015 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.



### Specifications:

Type	ØD (mm)	Ød (mm)	ØD1 (mm)	L1	L (mm)	(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
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
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

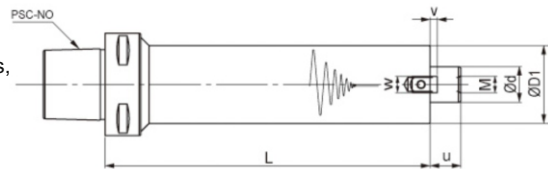
# SUPREME PRECISION & QUALITY

## PSC-FMH Series Damped Milling Tool



### 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.



### Specifications:

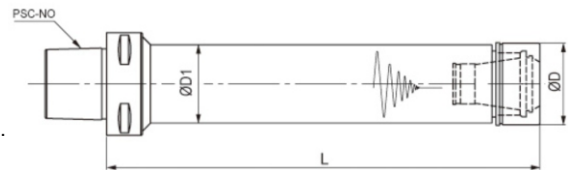
Type	L (mm)	ØD1(mm)	Ød (mm)	u (mm)	v (mm)	w (mm)	M	(kg) Weight
PSC50-FMH16-160-D38	160	38	16	16.5	4.3	8	M8	1.87
PSC50-FMH22-200-D48	200	48	22	18	4.3	10	M10	2.65
PSC63-FMH16-160-D38	160	38	16	16.5	4.3	8	M8	2.03
PSC63-FMH22-200-D48	200	48	22	18	4.3	10	M10	2.81
PSC63-FMH22-250-D58	250	58	22	18	4.3	10	M10	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 Series Damped Milling Tool



### Features

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



### Specifications:

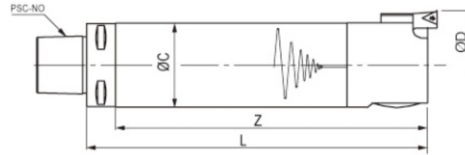
Type	L (mm)	ØD (mm)	ØD1 (mm)	Collet	Ød (mm)	(kg) Weight
PSC50-SNER25-190-D38	190	40	38	ER25	6~16	1.99
PSC50-SNER32-230-D48	230	50	48	ER32	6~20	2.68
PSC63-SNER25-190-D38	190	40	38	ER25	6~16	2.15
PSC63-SNER32-230-D48	230	50	48	ER32	6~20	2.84
PSC63-SNER40-280-D58	280	63	58	ER40	6~25	4.48

### Notice of operations

1. Please use collets with precision class AAA 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.

## PSC-SCBH Damped Fine Boring Head Series

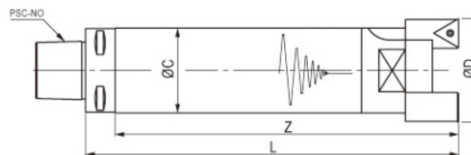
### PSC-SRBHLA Twin-Edge Damped Rough Boring Head



#### ● PSC-SRBHLA

Type	ØD (mm)	L (mm)	Z (mm)	ØC (mm)	Insert	(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; TC09; TP11 TC11; 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.



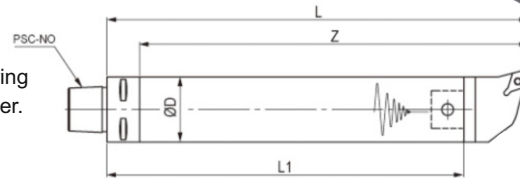
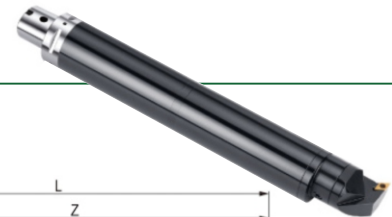
#### ● PSC-SRBHLA

Type	ØD (mm)	L (mm)	Z (mm)	ØC (mm)	Insert	(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 Damped Turning Holder Series

### with Quick Change LT Type Turning Head

1. The PSC interface boring bar holders provide a quick-change feature for all PSC-SLT damped turning 10015 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.



#### ● Specifications:

Type	L1 (mm)	Z (mm)	L (mm)	Z/D	ØD (mm)	LT Head	(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			3.15
PSC40-SLTC40-320	320	340	360	8D	40	LT40	3.85
PSC50-SLTC50-300	300	320	340	6D			7.58
PSC50-SLTC50-400	400	420	440	8D	50	LT50	8.87
PSC63-SLTC60-385	385	400	425	6D			10.27
PSC63-SLTC60-505	505	520	545	8D			11.98

※ LT heads not included.



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