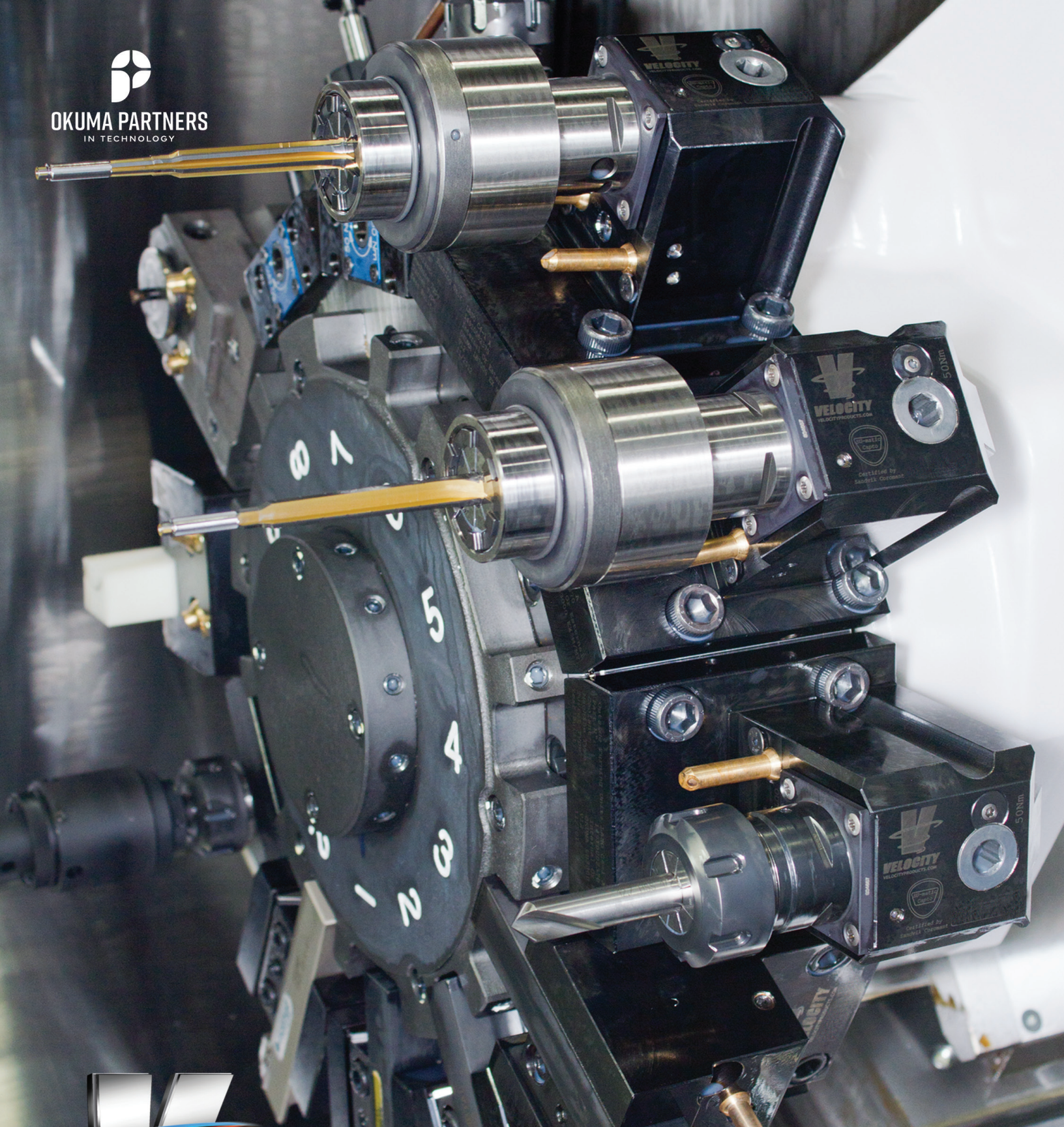




OKUMA PARTNERS
IN TECHNOLOGY



VELOCITY

VELOCITYPRODUCTS.COM



A Complete Lineup of In-Stock Lathe Tooling for Okuma • Three Year Warranty

VELOCITY TOOLING FOR OKUMA LB45III M

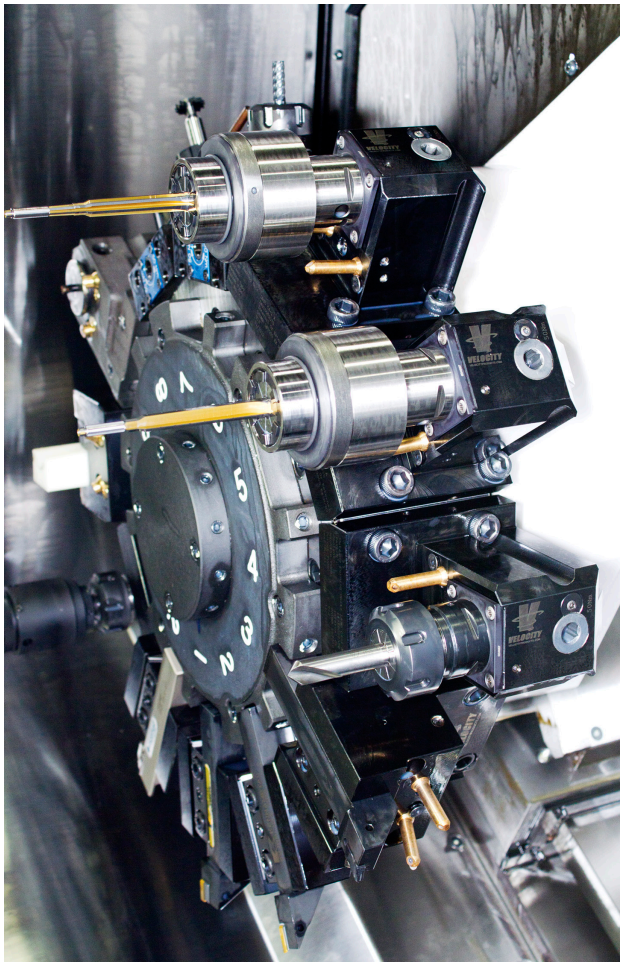
VELOCITY

Velocity Tooling: Exclusively for Okuma

Velocity Products, a leading supplier in the machine tool industry, is proud to offer the most comprehensive inventory of lathe tooling for Okuma in North America. As the official OEM supplier of startup tooling kits for Okuma lathes, Velocity Products has established a strong reputation for quality and reliability. Developed in Switzerland, Velocity tooling is created through close collaboration with engineers from Okuma America, Okuma Japan, and Okuma Europe. This ensures impeccable performance on Okuma lathes, multitasking machines, and machining centers. This premium tooling is available exclusively for Okuma machine tools.

Innovative Velocity Tooling Technology

Velocity tools are designed with convenience and efficiency in mind. Upon delivery, all live tools have already undergone a thorough run-in process at the factory, ensuring optimal performance. Internal coolant tools are pressure tested for quality assurance before shipping, providing confidence in their durability and reliability. Velocity tools are greased for life, which eliminates the need for customer maintenance and saves valuable time and resources. For further quality control, all tools are inspected using Coordinate Measuring Machines (CMM) and serialized records are maintained for future reference and traceability.



Three-Year Warranty

Velocity Tooling is meticulously designed for longevity and durability, even under the most demanding applications. The exceptional build quality of these tool holders is backed by a Three-Year Factory Warranty, demonstrating Velocity's commitment to customer satisfaction. Within three years from the date of purchase, Velocity pledges to repair any defective tool holder, ensuring that customers can invest in their products with confidence.

Continuous Improvement and Customer Support

Velocity Products is dedicated to continuous improvement and innovation, staying up-to-date with the latest trends and technologies in the machine tool industry. By maintaining open lines of communication with Okuma engineers around the world, Velocity is able to promptly address any issues and adapt its products to better serve the needs of Okuma machine operators. Additionally, Velocity offers comprehensive customer support, providing technical assistance, training, and guidance to ensure the best possible user experience.

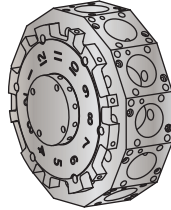
Velocity offers an exclusive and comprehensive solution for Okuma machine tools, with a focus on quality, innovation, and customer satisfaction. By combining cutting-edge technology, exceptional build quality, and unparalleled support, Velocity Products provides Okuma machine operators with the tools they need to succeed in a competitive market.









VELOCITY TOOLING FOR OKUMA LB45III M

LB45III M-Turret Kits



LB45III • V12 M-Turret



Description		Static Kit • M Turret	Live Tooling Kits	
Tool Type Tool Size Velocity #	Turret / Type	M	External Coolant	Internal Coolant
	Part # OAC	KUP-0153-00	KUP-0154-00	KUP-0155-00
	Part # Velocity	14.430.0.0164.0	14.430.0.0162.0	14.430.0.0163.0
OD-I 1.25" 14.910.0.0347.0		3		
OD-II 1.25" 14.910.0.0348.0		1		
ID 2.5" 14.910.0.0349.0		2		
Turret Plug V01-D0-0561		6		
Cross Tool ER-50 14.101.0.0279.0			2	
Face Tool ER-50 14.800.0.0395.0			2	
Cross Tool (IC) ERC-50 14.101.0.0277.0				2
Face Tool (IC) ERC-50 14.800.0.0393.0				2

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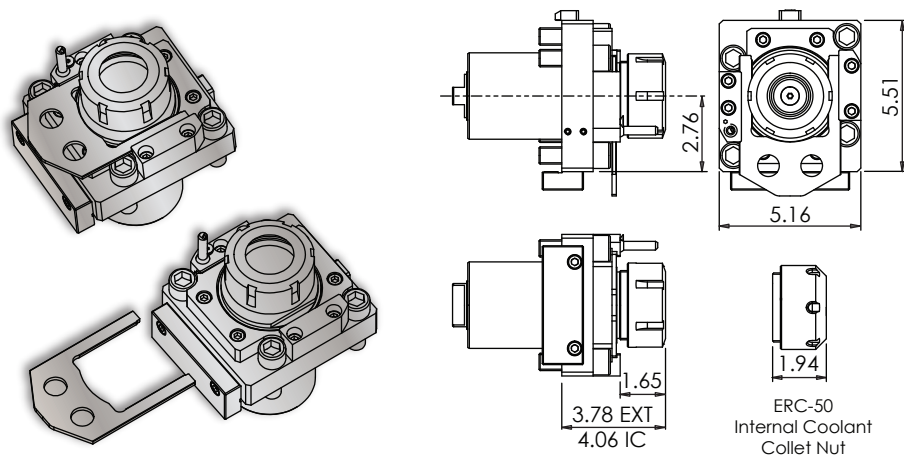
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VELOCITY TOOLING FOR OKUMA LB45III M

Live Tools



LB45III M-Turret Cross Tools • ER-50 Output



Notes

Wrenches Included with Tools

Maximum Drill Ø		Maximum Mill Ø	
EXT	1 3/8"	EXT	1 3/16"
IC	1 3/8"	IC	1 3/16"

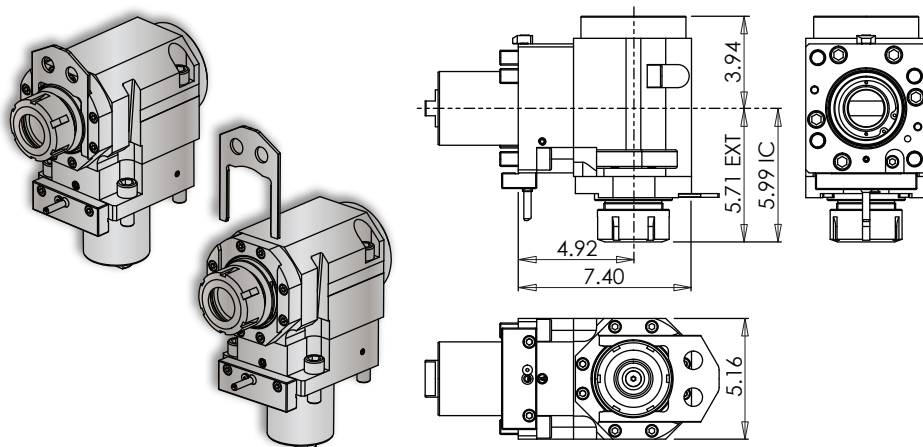
Turret Plugs V01-D0-0561

* 1,000 psi internal coolant (IC) cross tool **CANNOT** be run without coolant.

All coolant thru live tools require 30 micron coolant filtration nominal, 50 micron coolant filtration absolute.

Tool #	Coolant	Output	Rotation (In:Out)	Ratio (In:Out)	Max. RPM	Torque	Spindle Wrench	Collet Wrench
14.101.0.0279.0	EXT	ER-50	CW:CW	1:1	3,500	200 Nm	1005101050	7111.50000
14.101.0.0277.0	IC & EXT* 1,000 psi	ERC-50	CW:CW	1:1	3,500	200 Nm	1005101050	7111.50000

LB45III M-Turret Face Tools • ER-50 Output



Notes

Wrenches Included with Tools

Maximum Drill Ø		Maximum Mill Ø	
EXT	1 3/8"	EXT	1 3/16"
IC	1 3/8"	IC	1 3/16"

Turret Plugs V01-D0-0561

* 1,450 psi internal coolant (IC) face tool **CAN** be run without coolant; the coolant sealing mechanism can be completely dis-engaged.

All coolant thru live tools require 30 micron coolant filtration nominal, 50 micron coolant filtration absolute.

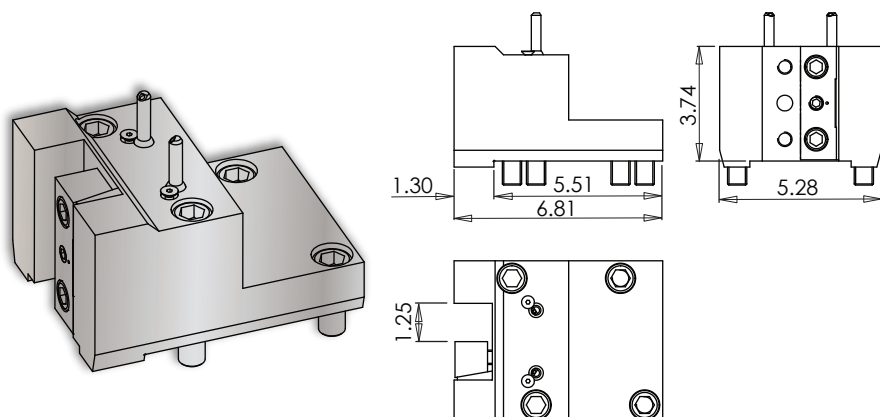
Tool #	Coolant	Output	Rotation (In:Out)	Ratio (In:Out)	Max. RPM	Torque	Spindle Wrench	Collet Wrench
14.800.0.0395.0	EXT	ER-50	CW:CW	1:1	3,500	200 Nm	1005101050	7111.50000
14.800.0.0393.0	IC & EXT* 1,450 psi	ERC-50	CW:CW	1:1	3,500	200 Nm	1005101050	7111.50000

VELOCITY TOOLING FOR OKUMA LB45III M

Static Tools



LB45III M-Turret OD-I Holder



Notes

3D Models (.stp) and CAS (.stl) files are available for all **VELOCITY** tool holders. Please contact Velocity: sales@velocityproducts.com.

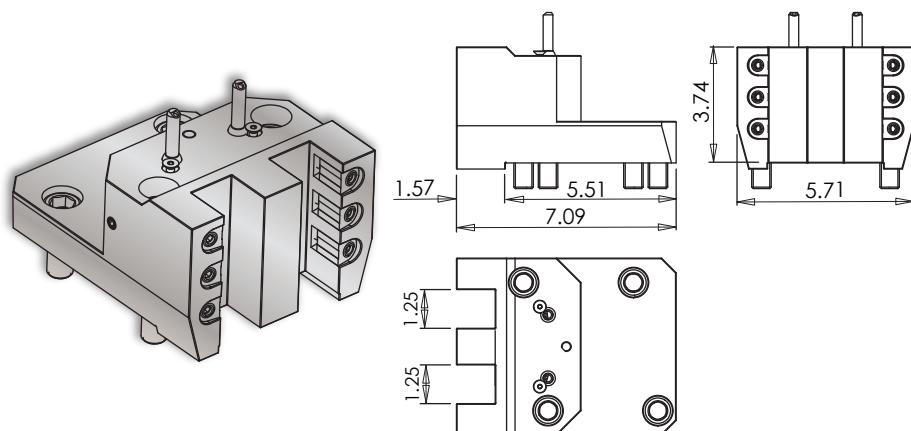
Turret Plugs	V01-D0-0561
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VELOCITY tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

VELOCITY has the most complete inventory of tooling for **OKUMA** machine tools in North America.

Lathe Model	Tool #	Reversible (Main/Sub)	Stick Size	Depth	Height	Width
LB45III M	14.910.0.0347.0	Yes	1.25"	6.81"	3.74"	5.28"

LB45III M-Turret Y-Axis OD-I Holder



Notes

3D Models (.stp) and CAS (.stl) files are available for all **VELOCITY** tool holders. Please contact Velocity: sales@velocityproducts.com.

Turret Plugs	V01-D0-0561
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VELOCITY tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

VELOCITY has the most complete inventory of tooling for **OKUMA** machine tools in North America.

Lathe Model	Tool #	Reversible (Main/Sub)	Stick Size	Depth	Height	Width
LB45III MY	14.910.0.0423.0	Yes	1.25" (2)	7.09"	3.74"	5.71"

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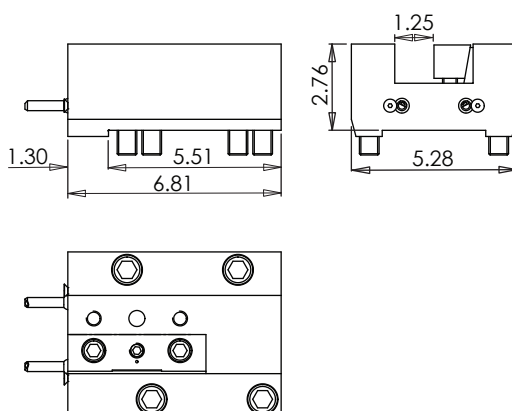
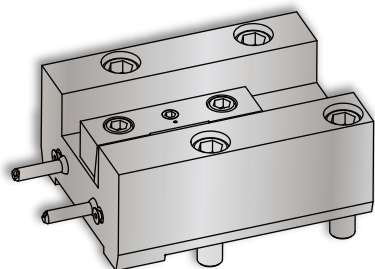
VELOCITY TOOLING FOR OKUMA LB45III M

Static Tools



LB45III M-Turret OD-II Holder

Notes



3D Models (.stp) and CAS (.stl) files are available for all **VELOCITY** tool holders. Please contact Velocity: sales@velocityproducts.com.

Turret Plugs	V01-D0-0561
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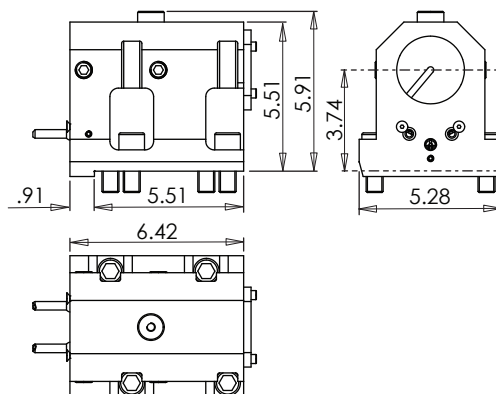
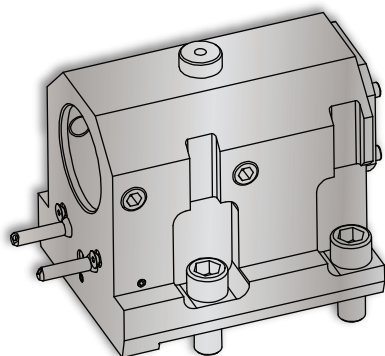
VELOCITY tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

VELOCITY has the most complete inventory of tooling for **OKUMA** machine tools in North America.

Lathe Model	Tool #	Reversible (Main/Sub)	Stick Size	Depth	Height	Width
LB45III M	14.910.0.0348.0	Yes	1.25"	6.81"	2.76"	5.28"

LB45III M-Turret Boring Bar Holder

Notes



VELOCITY ID holders can be used with both internal and external coolant. **Internal Coolant Plates** are included with all **VELOCITY** multitasking turret ID holders.

Turret Plugs	V01-D0-0561
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VELOCITY tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

Coolant filtration is recommended when using ID holders with internal coolant plates.

Lathe Model	Tool #	Reversible (Main/Sub)	Coolant	ID	Height	Depth
LB45III M	14.910.0.0349.0	-	IC/EXT	2.5"	5.91"	6.42"

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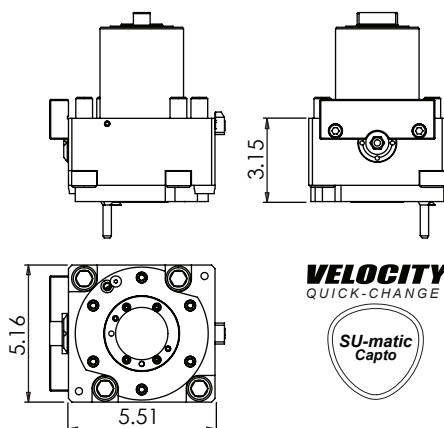
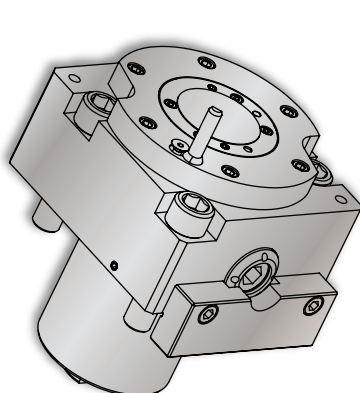
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VELOCITY TOOLING FOR OKUMA LB45III M

Quick-Change Tools

OKUMA

LB45III M-Turret C5 Cross Tool



Notes

REGO-FIX® C5 Collet Chucks

ER Output	Rego-Fix Part #
ER-16	4805.11630
ER-20	4805.12010
ER-25	4805.12510
ER-32	4805.13210

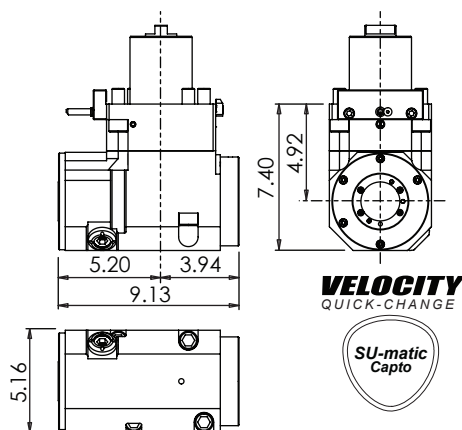
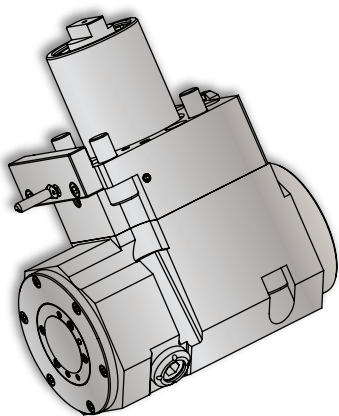
Turret Plugs V01-D0-0561

* 1,000 psi internal coolant (IC) cross tool **CANNOT** be run without coolant.

All coolant thru live tools require 30 micron coolant filtration nominal, 50 micron coolant filtration absolute.

Tool #	Coolant	Output	Rotation (In:Out)	Ratio (In:Out)	Max. RPM	Torque	Hex Wrench	C5 Collet Chucks
14.101.0.0288.0	IC & EXT* 1,000 psi	C5	CW:CW	1:1	3,500	200 Nm	12 mm	See Above

LB45III M-Turret C5 Face Tool



Notes

REGO-FIX® C5 Collet Chucks

ER Output	Rego-Fix Part #
ER-16	4805.11630
ER-20	4805.12010
ER-25	4805.12510
ER-32	4805.13210

Turret Plugs V01-D0-0561

* 1,450 psi internal coolant (IC) face tool **CAN** be run without coolant; the coolant sealing mechanism can be completely dis-engaged.

All coolant thru live tools require 30 micron coolant filtration nominal, 50 micron coolant filtration absolute.

Tool #	Coolant	Output	Rotation (In:Out)	Ratio (In:Out)	Max. RPM	Torque	Hex Wrench	C5 Collet Chucks
14.800.0.0399.0	IC & EXT* 1,450 psi	C5	CW:CW	1:1	3,500	200 Nm	12 mm	See Above

VELOCITY

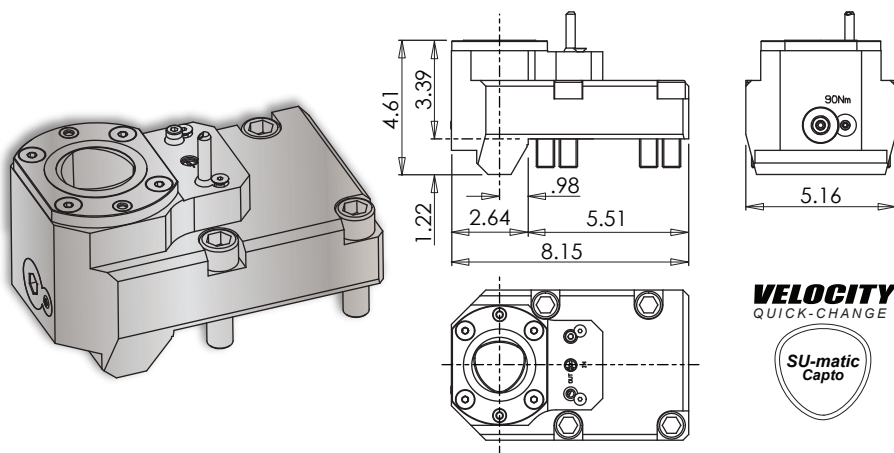
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VELOCITY TOOLING FOR OKUMA LB45III M

Quick-Change Tools

OKUMA

LB45III M-Turret C6 OD-I Holder



Notes

REGO-FIX® C6 Collet Chucks

ER Output	Rego-Fix Part #
ER-20	2806.12020
ER-25	2806.12520
ER-32	2806.13220
ER-40	2806.14020

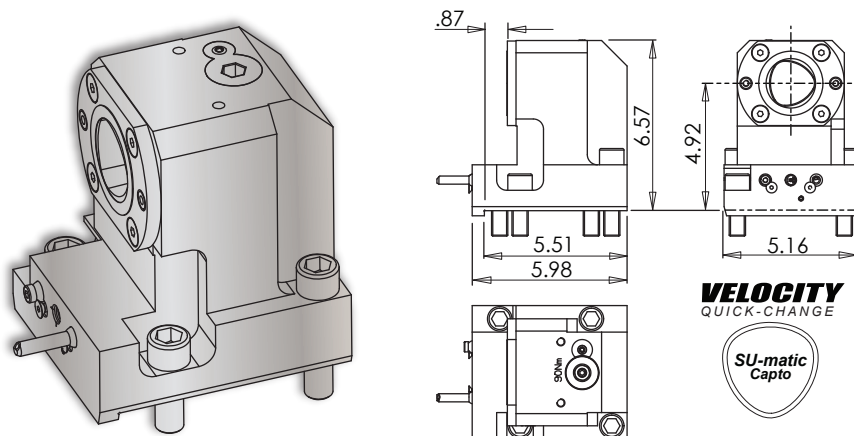
Turret Plugs V01-D0-0561

VELOCITY tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

Quick Change static tools are coolant thru. Coolant filtration is recommended.

Lathe Model	Tool #	Reversible (Main/Sub)	Coolant	Output	Hex Wrench	C6 Collet Chucks
LB45III M	14.910.0.0379.0	No	IC/EXT	C6	12 mm	See Above

LB45III M-Turret C6 ID Holder



Notes

REGO-FIX® C6 Collet Chucks

ER Output	Rego-Fix Part #
ER-20	2806.12020
ER-25	2806.12520
ER-32	2806.13220
ER-40	2806.14020

Turret Plugs V01-D0-0561

VELOCITY tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

Quick Change static tools are coolant thru. Coolant filtration is recommended.

Lathe Model	Tool #	Reversible (Main/Sub)	Coolant	Output	Hex Wrench	C6 Collet Chucks
LB45III M	14.910.0.0380.0	Yes	IC/EXT	C6	12 mm	See Above

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VELOCITY TOOLING FOR OKUMA LB45III M

Tooling and Accessories for Okuma Machines



VELOCITY/MP SYSTEMS VMP-8 DIFFERENTIAL COOLANT FILTER

All Internal Coolant Tools Require Coolant Filtration!

External coolant tools - and static tools - can also benefit from coolant filtration. **Swarf can find its way into all static and live tools** and clog coolant nozzles, degrade seals between the mounting plate and tool body of live tools, an eventually damage the bearings of live tools. Swarf can also clog coolant lines in the manifold of a lathe turret. **MP Systems**, a sister company of Velocity Products, is renowned for their high-pressure coolant systems and accessories. MP Systems has designed a standalone **VMP-8 Differential Coolant Filter** that is tied to a machine tool alarm circuit to protect Velocity Quick Change Tooling - and a machine tool - from damage caused by swarf in coolant or cutting oil.

The **Velocity/MP Systems VMP-8 Differential Coolant Filter** works by filtering swarf from coolant or cutting oil in a machine tool coolant tank before the coolant or cutting oil goes into the lock lines. The VMP-8 Filter specifications are 5µm nominal, 50µm absolute. the VMP-8 Differential Coolant Filter is equipped with a switch that will alarm out the machine tool when there is a pressure differential of 25 psi (indicating that the filter bag needs replacement.) Installation of the VMP-8 Differential Coolant Filter is simple on machine tools with a maximum standard coolant pump pressure of 125 psi. The VMP-8 Differential Coolant Filter can be used in conjunction with MP High Pressure Coolant Systems to achieve 100% Coolant filtration and maximum machining performance.



OKUMA PARTNERS
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VELOCITY TOOLING FOR OKUMA LB45III M

Velocity Repair Center



VELOCITY REPAIR CENTER AND 3 YEAR WARRANTY

Three-Year Warranty

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Continuous Improvement and Customer Support

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Tooling and Accessories for Okuma Machines

OKUMA

VELOCITY OKUMA CERTIFIED PULL STUDS

Velocity Okuma Certified pull studs are specifically designed for Okuma spindles. The tolerances and surface finish to which Velocity pull studs are machined results in increased tool life and better part surface finishes. Velocity Okuma Certified pull studs are machined from SNCR 420 (JIS)/4320 (ASTM) alloy steel, hardened to HRC-52 - 58, and all surfaces are held to the surface finish requirements from Okuma, and all Velocity pull studs are coolant through.

CAT 40 Pull Studs

The O-ring supplied with a Velocity OKUMA Certified CAT 40 pull stud is 1.5mm x 15mm. The Velocity pull stud with a 1.5mm x 15mm O-ring is for use on CAT 40 toolholders with a small chamfer. Toolholders with a large chamfer require a 2.0mm x 15mm O-ring which is also included with Velocity CAT 40 pull studs.



VELOCITY V-CLEAN VISION SYSTEM

The Velocity V-Clean Vision System clears coolant from machine tool enclosure windows. The V-Clean Vision System is powered solely by shop air and costs significantly less than competing window cleaning devices.

Features

- One year guarantee
- Includes Velocity air knife, air switch, 16' air hose, air hose guides, fittings, and extensions

Installation

- V-Clean, air switch, and hose guides mounted with rare earth neodymium magnets
- Requires 100 psi/100 cfm air source for optimal performance
- V-Clean Vision Kits available: includes V-Clean and Velocity ROMA 18 LED machine tool light



ULTRA-BRIGHT LED LIGHTING FOR MACHINE TOOLS

Velocity ultra-bright LED lighting products are designed and manufactured specifically for use in a machine tool environment. Velocity lighting features extended life LED's, completely impervious assemblies sealed to IP68, and tempered glass lenses. Powerful neodymium rare earth magnets allow for fast installation wherever light is needed.

We offer the following standard lights:

- ROMA 9 and ROMA 18 LED machine tool enclosure lights
- Stack lights with up to seven color combinations
- Flexible arm, magnetic base LED inspection lights



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OKUMA LB45III M

www.velocityproducts.com



A Complete Lineup of In-Stock Lathe Tooling for Okuma • Three Year Warranty*

Velocity Products • 3611 Jack Kendall Way, Huntsville, AL 35806 • 256-258-5549
www.velocityproducts.com • sales@velocityproducts.com

*Warranty voided if internal coolant tools are used without coolant and coolant filtration. Exceeding specified maximum cutting tool sizes voids warranty.

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