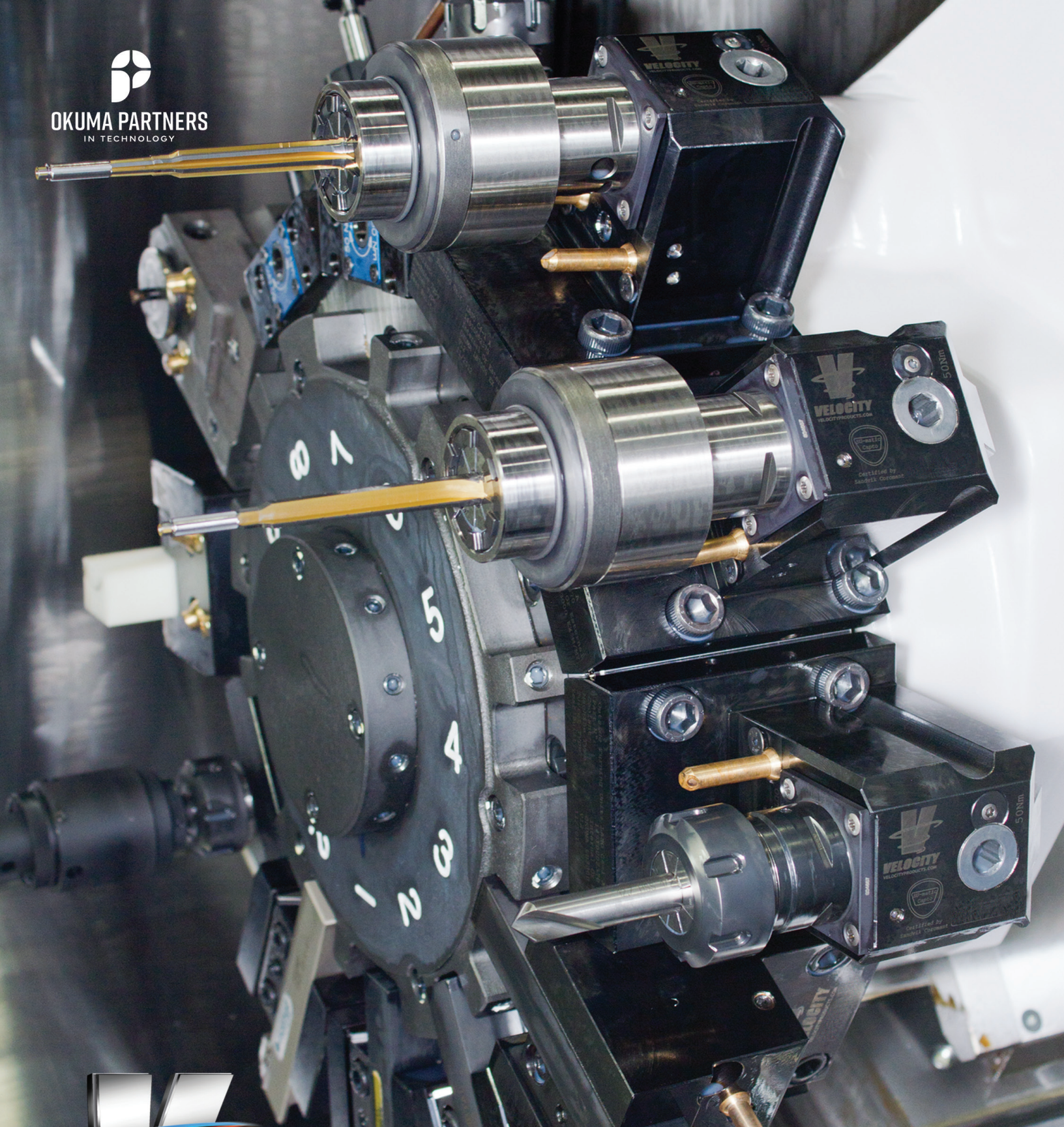




OKUMA PARTNERS  
IN TECHNOLOGY



**VELOCITY**

VELOCITYPRODUCTS.COM



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

**VELOCITY TOOLING FOR OKUMA LB35III/LB45III • LU35II/LU45II**



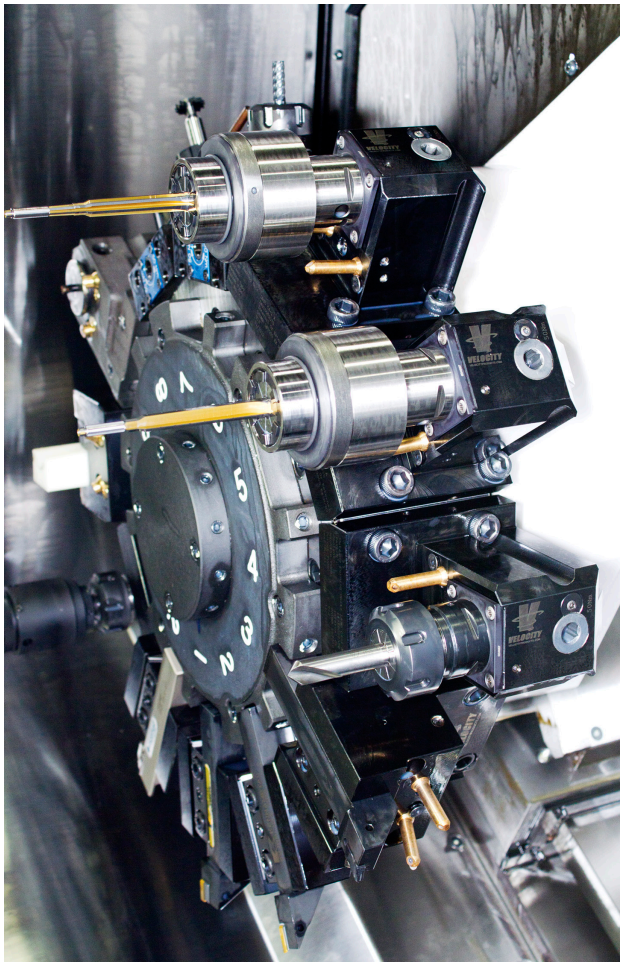
# **VELOCITY**

## **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.

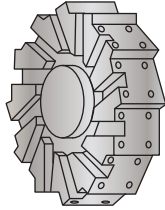
Velocity offers an exclusive and comprehensive solution for Okuma machine tools, with a focus on quality, innovation, and customer satisfaction. By combining cutting-edge technology, exceptional build quality, and unparalleled support, Velocity Products provides Okuma machine operators with the tools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

# VELOCITY TOOLING FOR OKUMA LB35III/LB45III • LU35II/LU45II

## LB35III/LB45III, LU35II/LU45II Tooling Kits

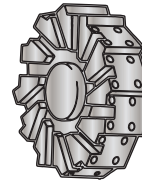


### LB35III/LB45III • V12 Turret

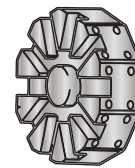










### LU35II/LU45II • V12 L / V10 L Turrets

V12 Upper Turret



V10 Lower Turret



Description		Static Kit LB35III	Static Kit LB45III	Description		Static Kit LU35II	Static Kit LU45II
Tool Type Tool Size Velocity #	Turrets	L	L	Tool Type Tool Size Velocity #	Turret / Type	Upper: V12 Static Lower: V10 Static	Upper: V12 Static Lower: V10 Static
	Part # OAC	KUP-1001-00	KUP-1002-00		Part # OAC	KUP-1003-00	KUP-1004-00
	Part # Velocity	14.430.0.0144.0	14.430.0.0145.0		Part # Velocity	14.430.0.0146.0	14.430.0.0147.0
OD-I 1" 14.910.0.0310.1		4		OD-I 1" 14.910.0.0310.1		6	
ID 2" 14.910.0.0309.1		5		ID 2" 14.910.0.0309.1		8	
OD-I 1.25" 14.910.0.0313.0			4	OD-I 1.25" 14.910.0.0313.0			6
ID 2.5" 14.910.0.0312.0			5	ID 2.5" 14.910.0.0312.0			8



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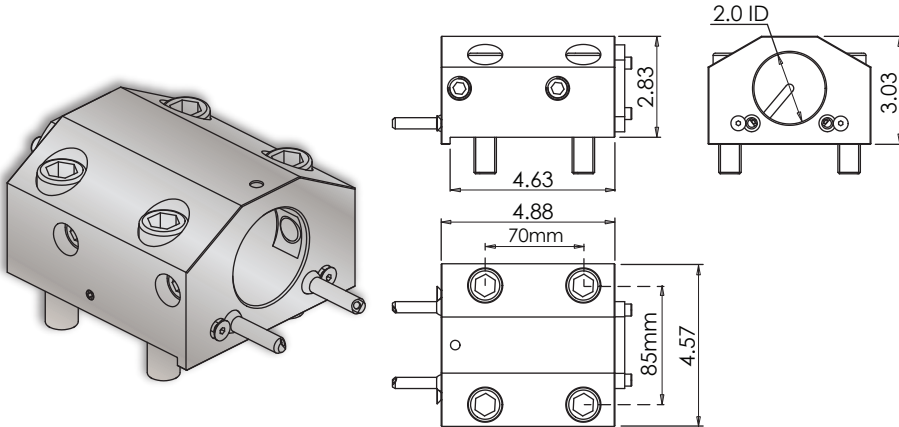
# VELOCITY TOOLING FOR OKUMA LB35III/LB45III • LU35II/LU45II

## LB35III/LU35II "L" Turret Holders

**OKUMA**

### ID Holder for LB35III • LU35II

### 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.

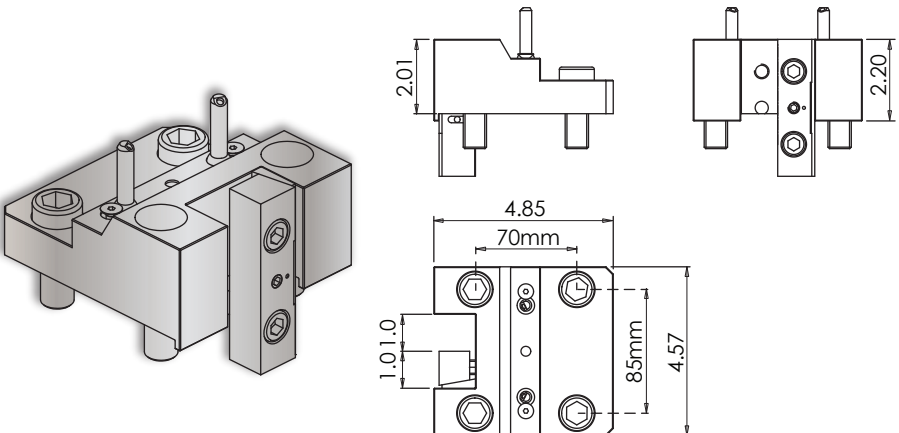
**VELOCITY** tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

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

Lathe Model	Tool #	Reversible (Main/Sub)	Coolant	ID	Height	Depth
LB35III • LU35II	14.910.0.0309.1	-	IC/EXT	2.0"	3.03"	4.88"

### OD-I Holder for LB35III • LU35II

### Notes



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

**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	Mounting Bolt Centers	Height	Depth
LB35III • LU35II	14.910.0.0310.1	No	1.0"	70mm x 85mm	2.01"	4.85"

**VELOCITY**

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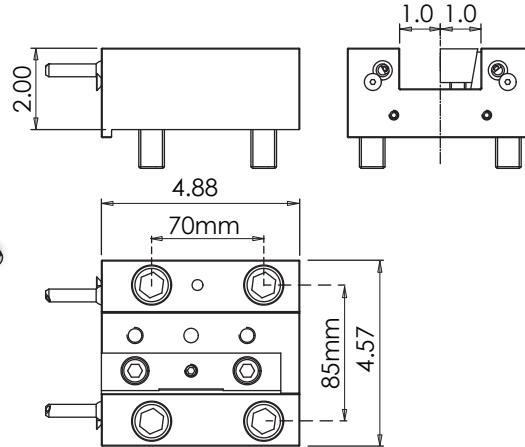
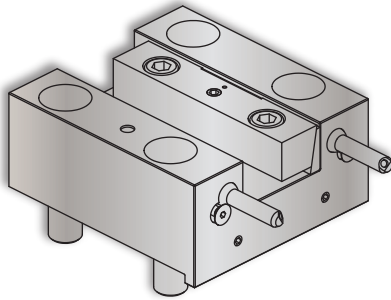
# VELOCITY TOOLING FOR OKUMA LB35III/LB45III • LU35II/LU45II

## LB35III/LU35II "L" Turret Holders



OD-II Holder for LB35III • LU35II

### Notes



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Lathe Model	Tool #	Reversible (Main/Sub)	Stick Size	Mounting Bolt Centers	Height	Depth
LB35III • LU35II	14.910.0.0311.1	No	1.0"	70mm x 85mm	2.00"	4.88"



# VELOCITY

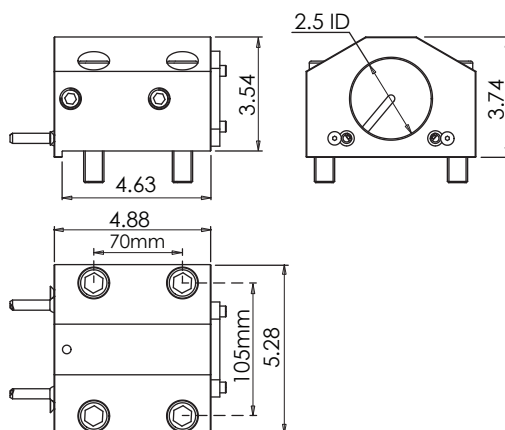
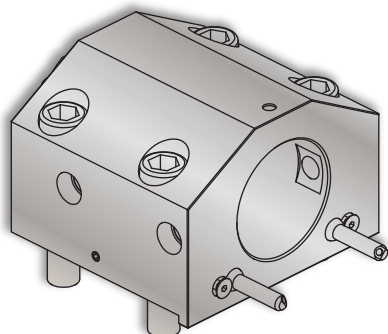
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## LB45III/LU45II "L" Turret Holders



ID Holder for LB45III • LU45II

### 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.

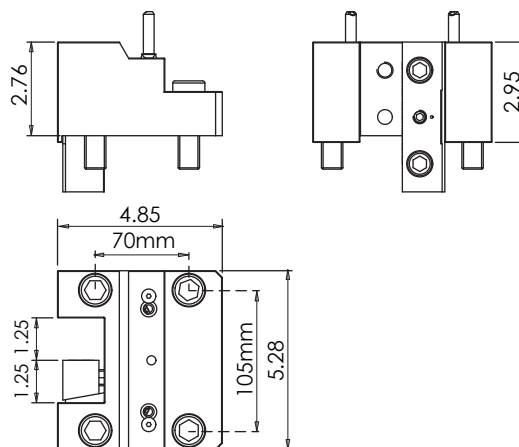
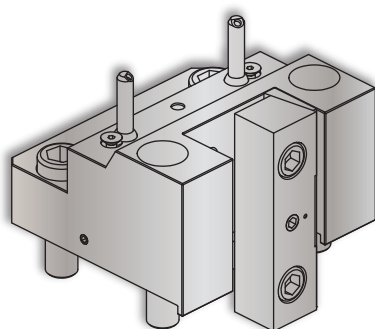
**VELOCITY** tooling for **OKUMA** is manufactured on **OKUMA** machine tools.

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

Lathe Model	Tool #	Reversible (Main/Sub)	Coolant	ID	Height	Depth
LB45III • LU45II	14.910.0.0312.0	-	IC/EXT	2.5"	3.54"	4.88"

OD-I Holder for LB45III • LU45II

### Notes



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Lathe Model	Tool #	Reversible (Main/Sub)	Stick Size	Mounting Bolt Centers	Height	Depth
LB45III • LU45II	14.910.0.0313.0	No	1.25"	70mm x 105mm	2.76"	4.85"

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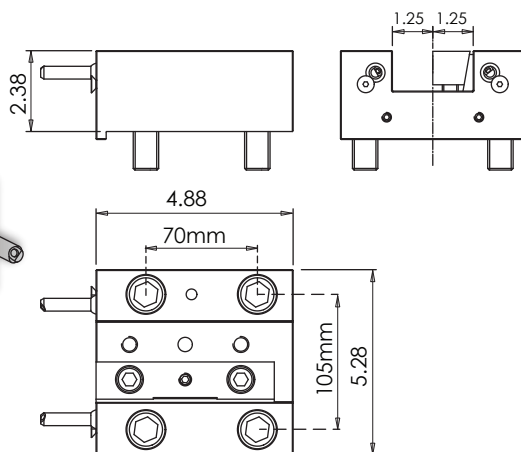
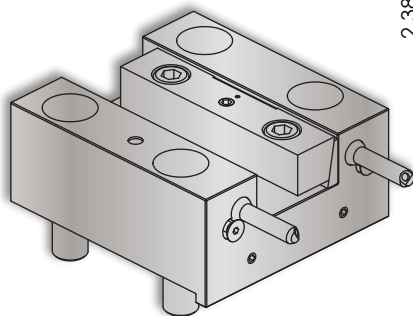
# VELOCITY TOOLING FOR OKUMA LB35III/LB45III • LU35II/LU45II

## LB45III/LU45II "L" Turret Holders



OD-II Holder for LB45III • LU45II

### Notes



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Lathe Model	Tool #	Reversible (Main/Sub)	Stick Size	Mounting Bolt Centers	Height	Depth
LB45III • LU45II	14.910.0.0314.0	No	1.25"	70mm x 105mm	2.38"	4.88"



# VELOCITY

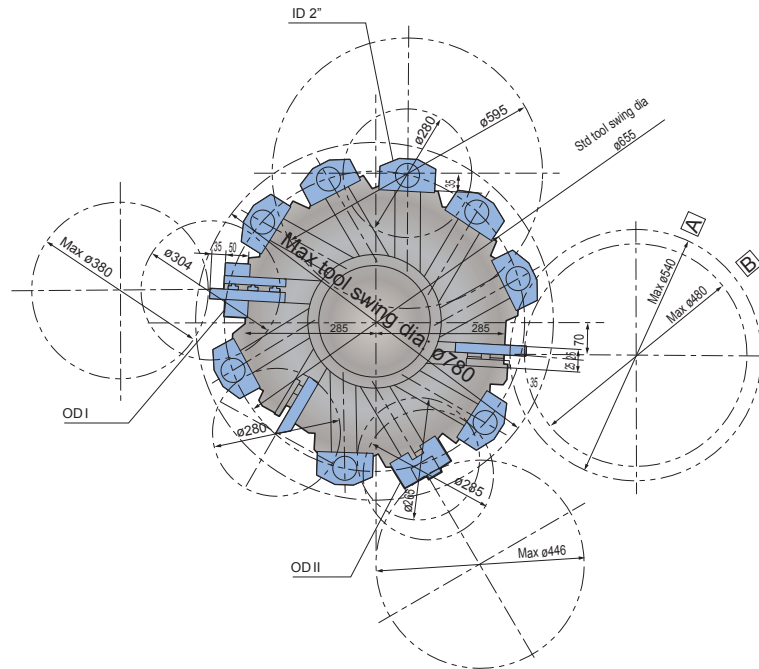
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# LB35III/LB45III Interference Diagrams

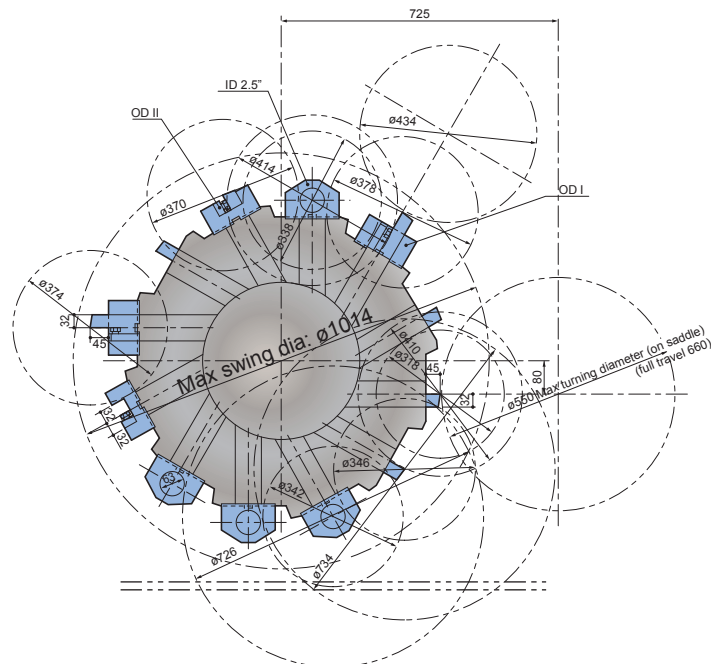
**LOKUMA**

### LB35III / LB45III (12) Position L Turret Interference Diagrams

## LB35III Turret



## LB45III Turret



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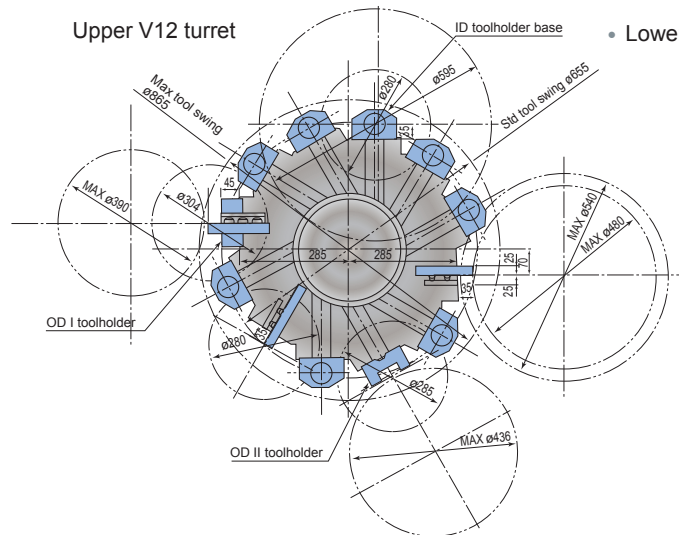


# LU35II/LU45II Interference Diagrams

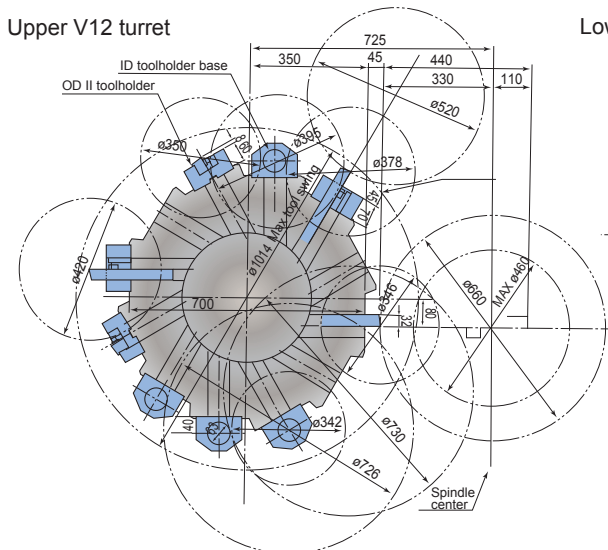


LU35II / LU45II (12) Position Upper L Turret / (10) Position Lower L Turret Interference Diagrams

## LU35II Turret



## LU45II Turret



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**VELOCITY TOOLING** FOR OKUMA LB35III/LB45III • LU35II/LU45II

**Velocity Repair Center**

**OKUMA**



## **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



### 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.



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## Tooling and Accessories for Okuma Machines



### 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

- Three 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:

- Three year guarantee
- 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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# VELOCITY TOOLING FOR OKUMA LB35III/LB45III • LU35II/LU45II

## Tooling and Accessories for Okuma Machines



### 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 SNCM 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.

MACHINES	DRAWING	PART NUMBER	CAT 40
OKUMA CAT 40 Machines with Internal Coolant Spindles.		CAT 40 611-2032-02 (Internal Coolant)	
MACHINES	DRAWING	PART NUMBER	CAT 50
OKUMA CAT 50 Machines with IC Spindles. also for 1000Nm High Torque Spindles. Confirm part# with Okuma.		CAT 50 613-2032-08-01 (Internal Coolant)	
MACHINES	DRAWING	PART NUMBER	CAT 50 HIGH TORQUE
OKUMA CAT 50 MA 12500 and MU10000 Geared Headstock Machines. (3000 RPM & 4500 RPM.)		CAT 50 HIGH TORQUE 613-2032-07 (Internal Coolant)	

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**Notes**

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LB35III/LB45III • LU35II/LU45II

[www.velocityproducts.com](http://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](http://www.velocityproducts.com) • [sales@velocityproducts.com](mailto: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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