



SPINJET
GREEN LINE

**New Generation SPINJET GREEN LINE
High Speed Compact Spindle
Replaces Existing SPINJET Spindles**





Strategic Advantages:

Cutting Tools:

- Small cutting tools (dia. .0196-.157 inch [0.5-4 mm])
- Small cutting tools at high speeds enable precision while reducing tool wear

Applications

- Milling, drilling, thread milling, engraving, chamfering, deburring, fine radial grinding
- Operation: Finishing and semi-finishing operations

Flexibilities:

- CNC machines: milling centers / turning / turn mills / tap mills
- Suitable for most adaptor types + lathe turret mounting

Economical Advantages

- Upgrades existing CNC machine to a high speed milling (HSM) performer at a fraction of the cost of dedicated high speed machines
- Boosts productivity - shortens production time and cuts costs
- Quick ROI
- Simple and easy to integrate - no pre-installation or external feed lines
- Compact – no size restriction due to added parts or power feeds, fits ATC or turret
- Cuts utility costs such as compressed air and electricity
- Uses the machine's own coolant as a pressurized power source

Industrial Sectors

Serves important industries worldwide:

- Die & Mold
- Medical
- Energy
- Automotive
- Aero space
- 3D Printing
- General Industry

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New Shaft Lock Mechanism

Shaft lock flag key has been replaced by a “GJET” shaft lock key



Fig.1. Shaft lock in old SPINJET spindle



Fig.2. Shaft lock in new SPINJET-GREEN LINE

Machine tool requirements for using SPINJET-GREEN LINE spindles

1. Coolant flow through the machine spindle
2. Min. coolant pressure at the spindle outlet: 290 psi (20 bar).
3. Max. coolant pressure at the spindle outlet: 580 psi (40 bar).
4. Min. flow rate: 3.17 gal/min. (12 l/min).
5. Coolant filtration level: max. 3940 μ inch.

Operating Tips

1. When operating the **SPINJET-GREEN LINE** spindles, monitoring rotational speed is critical. A correctly set rotational speed ensures optimal machining conditions and avoids damaging the spindle.
2. Cutting speed depends on workpiece material and its hardness, the shape of a machined surface, a machining strategy and cutting tool geometry. Refer to cutting tool manufacturer's documentation.
3. Dramatic fluctuations of the rotational speed (rpm) operation can indicate problems such as an inadequate coolant pressure or a broken cutting tool.

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General instructions for storage:

The **SPINJET-GREEN LINE** spindles do not require specific periodic maintenance; however the following instructions should be followed before storing a spindle:

1. Clean the spindle by air blowing for 10-15 seconds.
2. Max. air pressure for cleaning is 30 psi (2 bar). The rotational speed during cleaning must not exceed 50000 rpm.
3. After cleaning, disconnect the spindle from the display device.
4. Place the spindle in its original packaging box and store it in the appropriate place.

*** New Warranty Policy

Warranty policy for new SPINJET-GREEN LINE spindles:

At least 300 hours of use or 12 months from the date of invoice, whichever comes first.

Warranty policy for repaired / refurbished SPINJET-GREEN LINE spindles:

At least 200 hours of use or 6 months from the date of invoice, whichever comes first.



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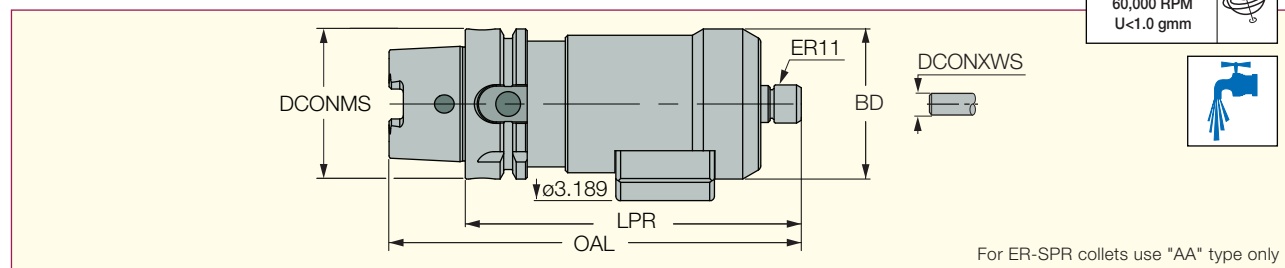
Compact and Powerful

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TJS-GJET-HSK A63

Coolant Driven High Speed Compact Spindles with HSK Shanks



Designation	DCONMS	LPR	OAL	BD	DCONXWS ⁽¹⁾	Lbs
TJS GJET HSK A63	2.480	5.551	6.811	2.480	.276	3.97

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool

⁽¹⁾ Maximum tool shank diameter

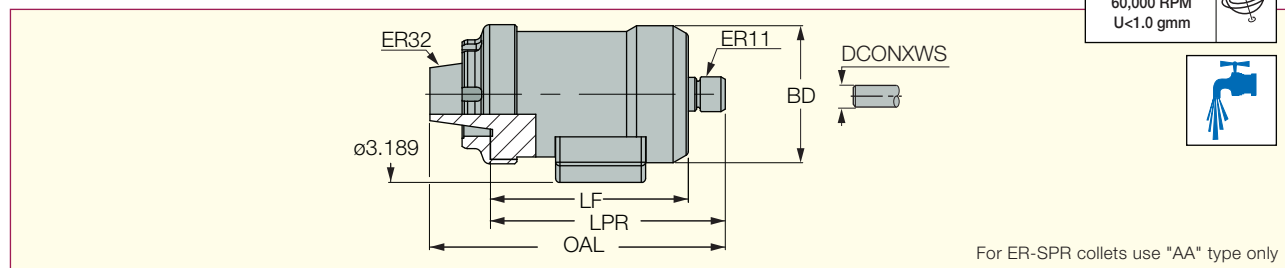
Spare Parts

Designation	Mini ER Nut	ER Wrench	Key	Shaft Lock Key	Display
TJS-GJET-HSK A63	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY GJET	TJS TSD DISPLAY*

* Optional, should be ordered separately

TJS-GJET-ER32

Coolant Driven High Speed Compact Spindles with ER32 Shanks



Designation	LF	LPR	OAL	BD	DCONXWS ⁽¹⁾	Lbs
TJS GJET ER32	3.622	4.291	5.354	2.480	.276	2.87

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool

⁽¹⁾ Maximum tool shank diameter

Spare Parts

Designation	Mini ER Nut	ER Wrench	Key	Shaft Lock Key	Display
TJS-GJET-ER32	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY GJET	TJS TSD DISPLAY*

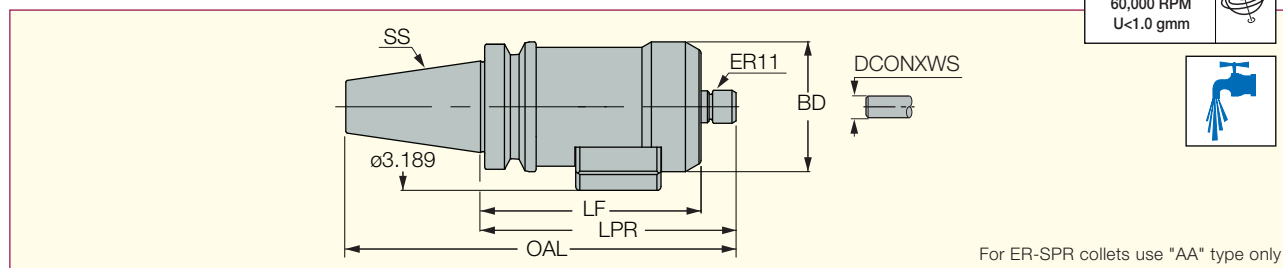
* Optional, should be ordered separately

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TJS-GJET-BT

Coolant Driven High Speed Compact Spindles with BT Shanks



Designation	SS	LF	LPR	DCONXWS ⁽¹⁾	BD	OAL	Lbs
TJS GJET BT30	BT30	4.882	5.551	.276	2.480	7.441	3.53
TJS GJET BT40	BT40	4.213	4.882	.276	2.480	7.441	3.97

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool

⁽¹⁾ Maximum tool shank diameter

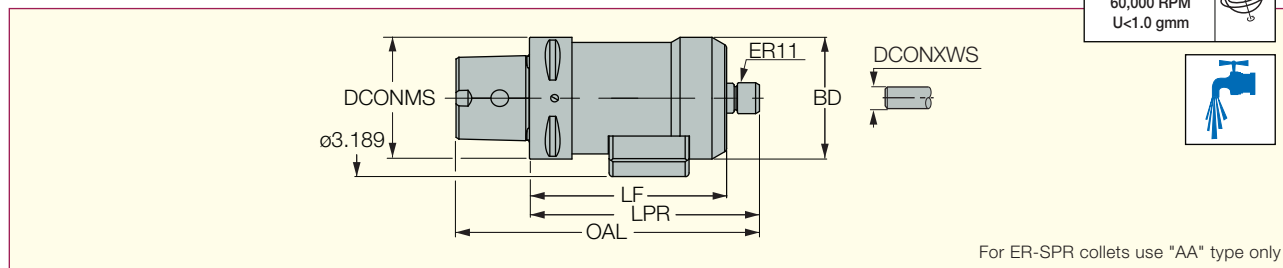
Spare Parts

Designation	Mini ER Nut	ER Wrench	Key	Shaft Lock Key	Display
TJS-GJET-BT	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0	TJS SHAFT LOCK KEY GJET	TJS TSD DISPLAY*

* Optional, should be ordered separately

TJS-GJET-C#

Coolant Driven High Speed Compact Spindles with CAMFIX (ISO 26623-1) Shanks



Designation	DCONMS	LF	LPR	DCONXWS ⁽¹⁾	OAL	BD	Lbs
TJS GJET C5	1.968	4.409	5.079	.276	5.079	2.480	3.31
TJS GJET C6	2.480	4.016	4.685	.276	4.685	2.480	3.53

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool

⁽¹⁾ Maximum tool shank diameter

Spare Parts

Designation	Shaft Lock Key	Display	Mini ER Nut	ER Wrench	Key
TJS-GJET-C#	TJS SHAFT LOCK KEY GJET	TJS TSD DISPLAY*	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0

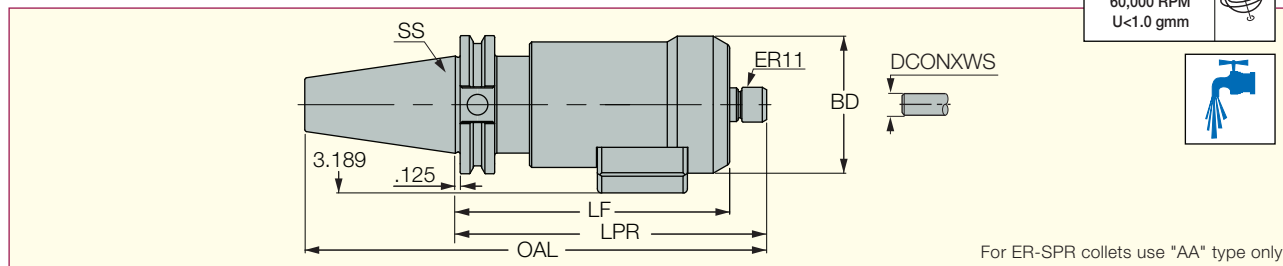
* Optional, should be ordered separately

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TJS-GJET-CAT

Coolant Driven High Speed Compact Spindles with Caterpillar Tapered Shanks



Designation	SS	LF	LPR	BD	OAL	DCONXWS ⁽¹⁾	Lbs
TJS GJET CAT40	40	5.000	5.433	2.480	8.11	.276	4.41

• Minimum coolant pressure 290 psi and flow rate 3.17 GPM • The spindle provides only external strong coolant jet around the tool

⁽¹⁾ Maximum cutting tool diameter

Spare Parts

Designation	Shaft Lock Key	Mini ER Nut	ER Wrench	Key
TJS-GJET-CAT	TJS SHAFT LOCK KEY GJET	NUT ER11 GHS	WRENCH ER11 SMS	HW 2.0

Spindle Case Contents	Display Case Contents
1. TJS SHAFT LOCK KEY GJET 2. WRENCH ER11 SMS 3. Battery - Lithium metal non-rechargeable, CR2 type 4. HW2.0: Hex (Allen) key	For Europe: 1. TJS TSD display EUR - wireless RPM display 2. TJS DISP. power supply EUR - AC/DC 5V For USA/Japan: 1. TJS TSD display - USA 2. TJS DISP. power supply - USA - AC/DC 5V
Shaft lock flat key and wrench	

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Activating Spindle Warranty

Registration:

Each IMC office / dealer will get a dedicated “dash board” for their SPINJET product line (similar to My Matrix) with a full view of their customers and product history, providing a fast response to inquiries, plus top quality product service and repairs.

The product management interface includes:

- Number of units
- Serial numbers
- To whom the product was sold
- Sale date
- Warranty (active / not active)
- Service history

Registration for Customers:

When the product is officially registered, it not only activates the warranty but also entitles the end user to receive many important product support features:

- Product ATP
- Online Training & Documentation
- Product Management Interface
- Help & Technical Support Services

The warranty can be activated easily either by registering online at reg.colibri-jet.com or by scanning the QR code.

