



KID 80+

 **IEMCA**
BUCCI
INDUSTRIES

KID 80⁺

The **KID 80⁺** is an automatic high-performance **short bar feeder**, ideal for applications on fixed headstock CNC lathes, even equipped with the sub-spindle. The KID 80⁺ can handle **short bars** with diameters between **5 to 80 mm**, for bar lengths from **90*** to **1,615** mm**. It is designed to meet the needs of those ones are looking for accurate machining of **short bars**, adaptability to **frequent work changeovers**, and **small** occupied space. The KID 80⁺ is **simple** to use, **robust** and featured by the **sub-spindle mode**.



The **KID 80⁺**
is your high
performance
short bar
feeder!

Benefits

Simple. The magazine has been improved from the previous versions and it is now equipped with a “simplified bar loading” kit, which allows simpler and safer loading of heavy bars. The improved operator interface has been enriched with new functionalities which make machine usage easier and more intuitive than before. The quick disconnect bar pusher and the easy-to-access storage of the unused ones inside the bar feeder have been installed to make changeover quicker and easier for the operator.

Robust. The steel structure guarantees an elevated stiffness of the bar feeder, which is extremely solid and stable. The magazine has been reinforced and its load capacity has been increased up to 400 kg without neglecting dimensions and space requirements.

Sub-spindle mode. The bar feeder can perfectly work with sub-spindle lathes thanks to the completely new sub-spindle software feature. It allows the measurement of the length of the bar introduced into the spindle without physically moving the bar pusher, but by using the interface signals sent by the lathe, thus resulting in shorter non-productive time and higher working speed. The feature is totally integrated in the standard user friendly operator interface.

(*) With optional device.

(**) The bar length must never be longer than the spindle length.

Simple



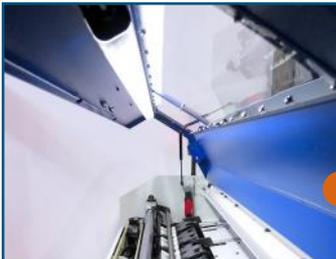
The **simplified bar loading kit** allows simpler and safer loading of heavy bars into the magazine.

Changeover time has been reduced to **less than 1 minute** thanks to the quick disconnect bar pusher and the easy access to the storage of the two unused ones inside the bar feeder.



The **new one touch operator interface** can facilitate usage by less experienced operators and also has the ability to **store part programs** (up to 100) and easily recall them when needed by the operator. It is possible to remotely operate the bar feeder from the panel of the lathe***.

Axial and transversal shifting devices guarantee easy access to the machine for maintenance and adjustments between the lathe and the bar feeder.



The **led for internal lighting** assures **greater visibility** on the bar feeder working cycle.

Robust



Load capacity has been increased up to **400 kg** thanks to the reinforced magazine.

The robust structure provides **high stability** and **rigidity**.

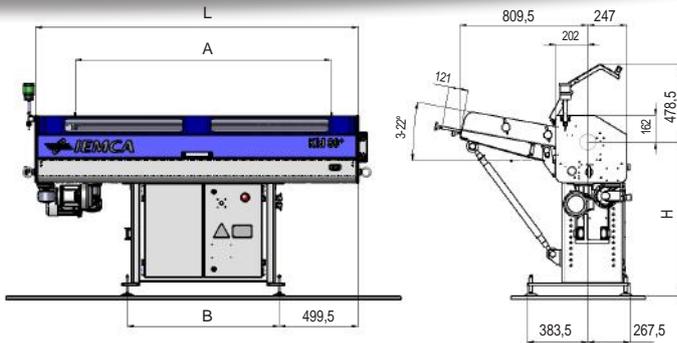
The **servo system** for position control ensures **maximum reliability** during every bar feeder movement.

Sub-spindle mode



Sub-spindle software mode allows higher working speed and shorter non-productive time. Thanks to the measurement of the length of the bar introduced into the spindle, it is able to keep track of the number of finished pieces and to detect when to load a new bar, only requiring the operator to initially insert a few parameters.

(***) Only for lathes with Windows operating system and only by request when ordering.



Dimensions (mm)

L	2042
Amax	1615 (5.3 ft)
Amin	90°-500
B	962
H	920-1300**
Axial shifting	600
Transversal shifting	900

A = bar length

(*) With optional device.

(**) For greater heights, contact your closest IEMCA dealer.

Technical Characteristics

Round bar dimensions	∅ Min 5 mm (3/16")	∅ Max 80 mm (3")
Hexagonal bar dimensions (socket wrench)	∅ Min 5 mm (3/16")	∅ Max 65 mm (2 1/4")
Magazine Capacity	~600 mm - 400 kg	
Working axis height	920-1300 mm	
Installed power	1 kW	



KID 80+ can be controlled also through smartphone and tablet



The magazine on the bar feeder's backside allows you to store up to 6 spindle liners



Don't forget to always use original IEMCA spare parts to have maximum performance



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