

Precision meets Motion



Manual

Kennametal KM™

EWS
Tool Technologies

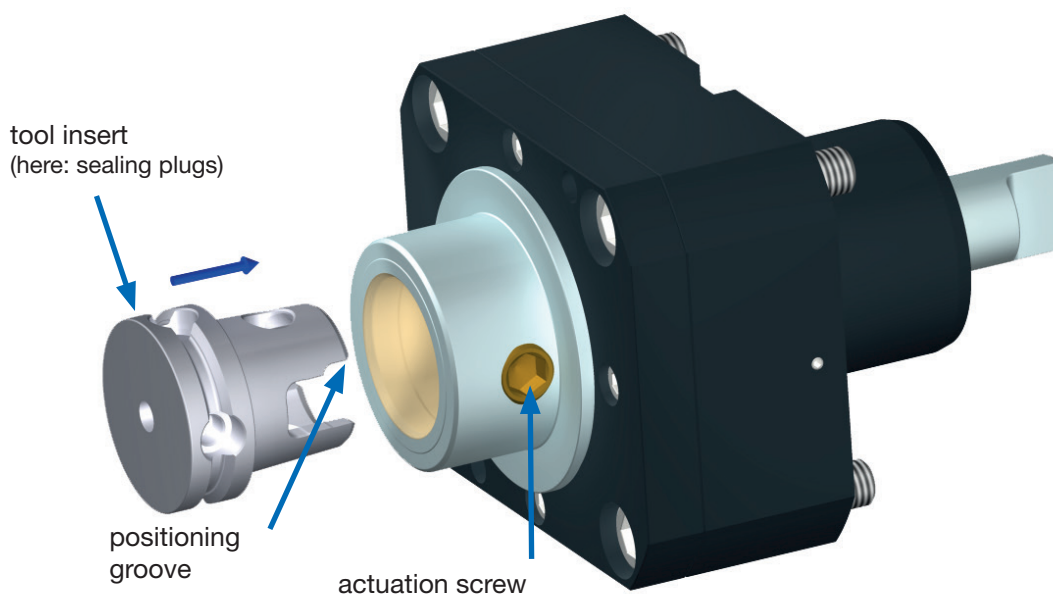
Kennametal KM™

Manual

1. Note

When using the Kennametal KM™ tool holder, make sure that the functional surfaces are clean and intact. A tool insert or sealing plug must always be mounted to protect the device from dirt. Never operate a driven tool without a tool insert that has been inserted and clamped according to instructions!

2. Overview



3. Use

3.1. Preparation

Open the tool holder fully before introducing the tool insert.

To do this, using a suitable inner hex key tool, gently turn the actuation screw anticlockwise towards the end position.

3.2. Actuation screw

The actuation screw on the clamping mechanism is used to clamp and release the tool insert.

Direction of rotation

Clamping is effected in the clockwise direction

Releasing is effected in the counterclockwise direction

3.3. Inserting and clamping the tool insert

With the tool holder open, introduce the insert into the spindle and clamp it in the clockwise direction with the aid of the actuation screw. In the process, the positioning groove of the tool insert must be in the position shown in relation to the actuation screw.

When clamping, use a torque wrench to prevent damage by over-tightening. Do not exceed the actuation torques in the table below! The specific maximum actuation torque is also noted on the tool housing of each driven tool.

3.4. Releasing the tool insert

To release, slowly turn the actuation screw counterclockwise.

When the first noticeable resistance is felt, the clamping balls release the tool insert.

When the second noticeable resistance is felt, the automatic tool ejector is activated and the conical joint is forced out of the press fit. Once the insert has been released and there is no taper left, the actuation screw should no longer be turned. Failure to comply with this instruction may damage the clamping mechanism.

3.5. Characteristic values

Design	KM32	KM40	KM50	KM63	KM80
Max. actuation torque [Nm]	10	12	27	47	79
inner hex key wrench size	5	6	10	12	14



EWS Weigle GmbH & Co. KG
Maybachstraße 1 · D-73066 Uhingen
Telefon +49(0)7161-93040-100
Telefax +49(0)7161-93040-30
E-Mail info@ews-tools.de
www.ews-tools.de



EWS Korea Co. Ltd.
80-101, Golden root-ro,
Juchon-myeon, Gimhae-si,
Gyeongsangnam-do, Korea
Telefon +82 55-267-8085
Telefax +82 55-262-3118
E-Mail info@ewskorea.co.kr
www.ewskorea.co.kr



**EWS Tutucu Sistemleri ve
Taretleri Anonim Şirket**
Aydınlı mah.Melodi No.2/19 Sk. Bilmo
San.Sit. 18-19
34956 Tuzla / İstanbul
Turkey
Telefon +90-216-593-22-44
E-Mail mehmet@ewstools.com
www.ews-tools.de



**EWS Tool Holder Technologies
(Taicang Co. Ltd)**
Beijing East Road No. 88
215400 Taicang · Jiangsu
P. R. China
Telefon +86 512 3306 2600
Telefax +86 512 3306 2601
E-Mail sales.cnews-tools.de
www.ews-tools.cn



Command Tooling Systems
13931 Sunfish Lake Blvd NW
Ramsey · MN 55303 USA
Telefon +1-763-576-6910
Telefax +1-763-576-6911
E-Mail support@commandtool.com
www.commandtool.com