

Precision meets Motion

NEWS



EWS.Swiss Tools

für STAR und CITIZEN Maschinen
for STAR and CITIZEN machines

EWS
Tool Technologies

EWS .Swiss Tools

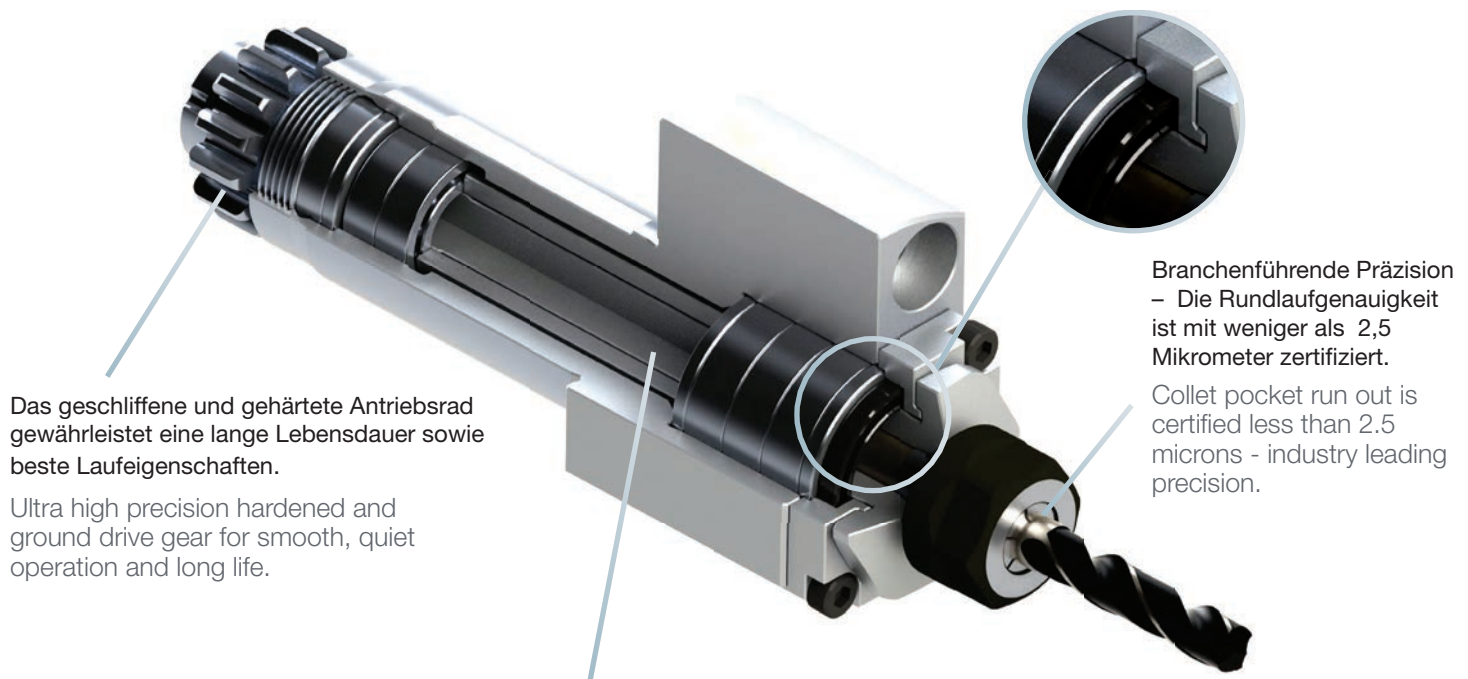
für STAR und CITIZEN Maschinen for STAR and CITIZEN machines

Eigenschaften / Product Features

- Hochpräzise Lagerung / High precision bearings
- Innovative Dichtungstechnik / innovative sealing technology
- Spindelrundlauf < 3µ / Spindle concentricity < 3µ
- Permanentlauf getestet / Durable construction
- Wartungsfrei / Maintenance free

Der Flansch schützt Lagerung und Dichtung vor Schmutz und stellt somit einen elementaren Bestandteil der Spindel dar.

Oversized flange is integral to the spindle, providing debris protection for the front seal and bearings.



Das geschliffene und gehärtete Antriebsrad gewährleistet eine lange Lebensdauer sowie beste Laufeigenschaften.

Ultra high precision hardened and ground drive gear for smooth, quiet operation and long life.

Branchenführende Präzision
– Die Rundlaufgenauigkeit ist mit weniger als 2,5 Mikrometer zertifiziert.

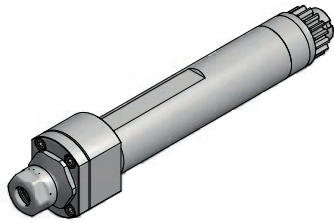
Collet pocket run out is certified less than 2.5 microns - industry leading precision.

Die Axialspindel wird aus S7 Werkzeugstahl gefertigt und ist daher besonders beständig. Wettbewerber verwenden in der Regel Stahl einer niedrigeren Besoldungsgruppe.

Axial spindle is manufactured utilizing S7 tool steel, providing superior strength, rigidity, and abrasion resistance. Competitive product typically uses lower grade alloy steel.

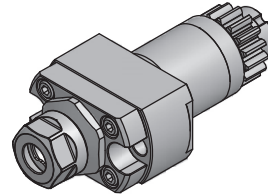
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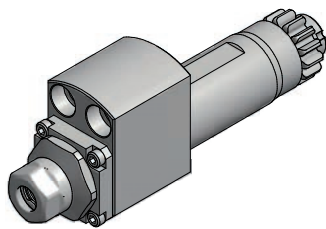
40.CIT12-GSC607
Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

1.1



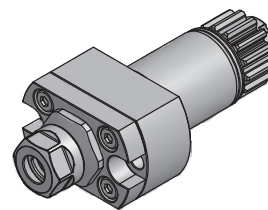
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Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

1.3



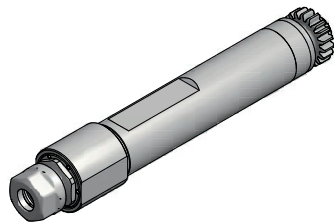
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Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

1.1



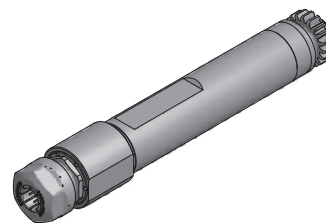
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Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

1.4



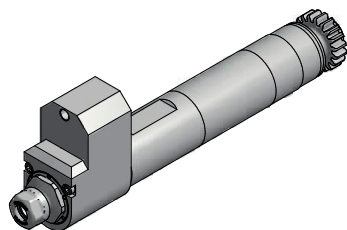
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Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

1.2



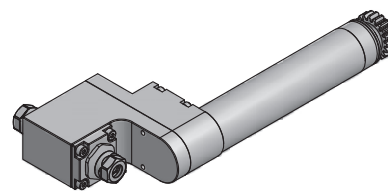
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Fräskopf /
Axial drilling and
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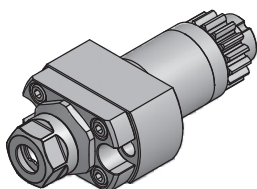
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Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

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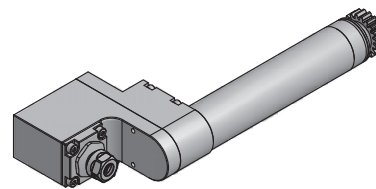
80.CIT12D-GSE306-DE011
Radial Bohr- und
Fräskopf /
Radial drilling and
milling head

1.5



40.CIT12-GSC807
Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

1.3



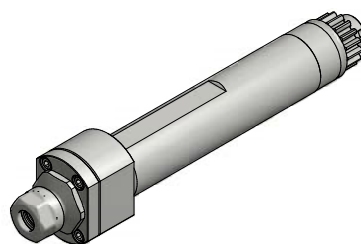
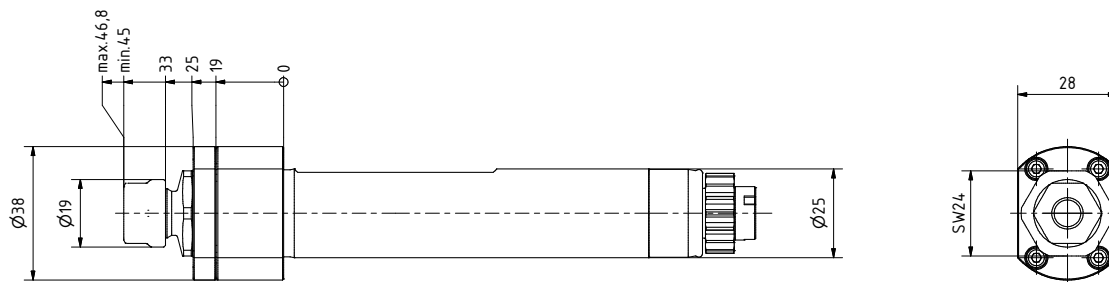
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Radial Bohr- und
Fräskopf /
Radial drilling and
milling head

1.5



Axial Bohr und Fräskopf
CITIZEN

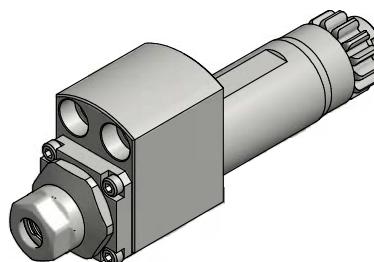
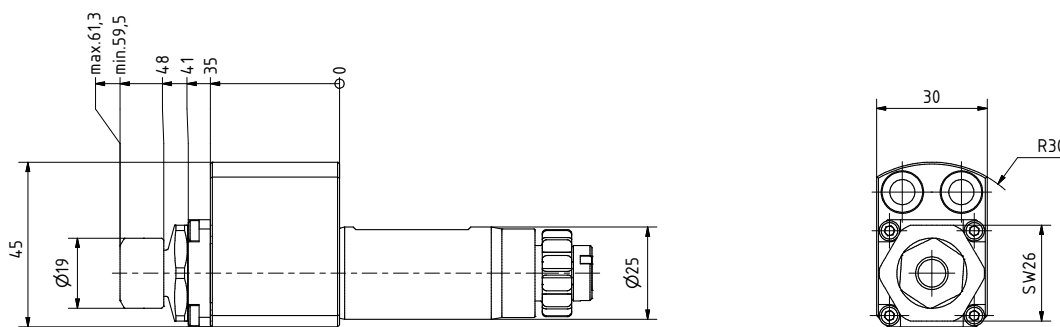
Axial drilling and milling head
CITIZEN



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
CITIZEN

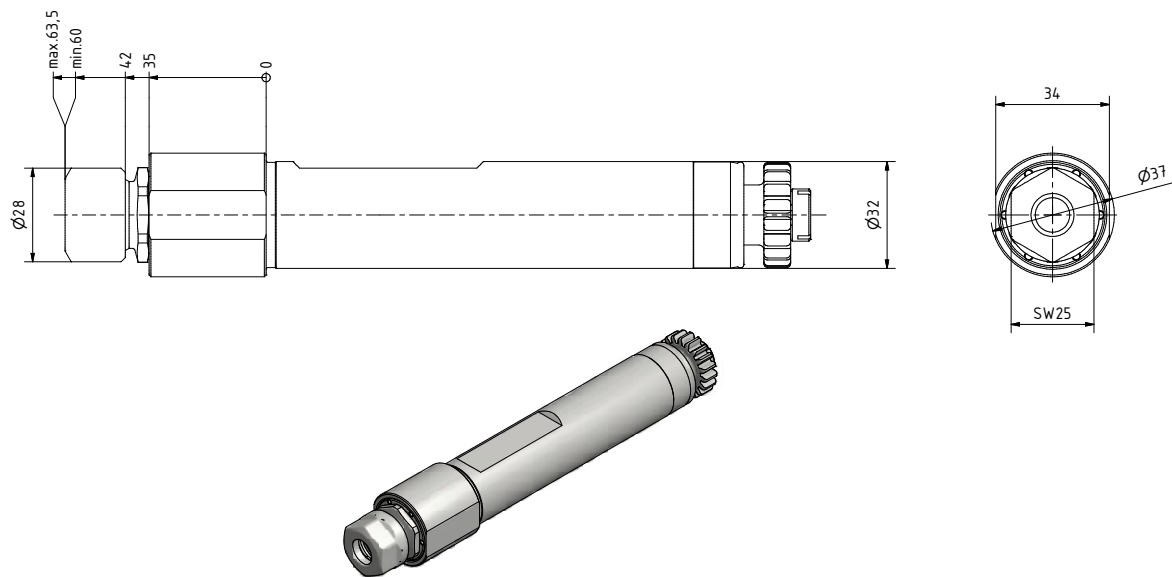
Axial drilling and milling head
CITIZEN



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
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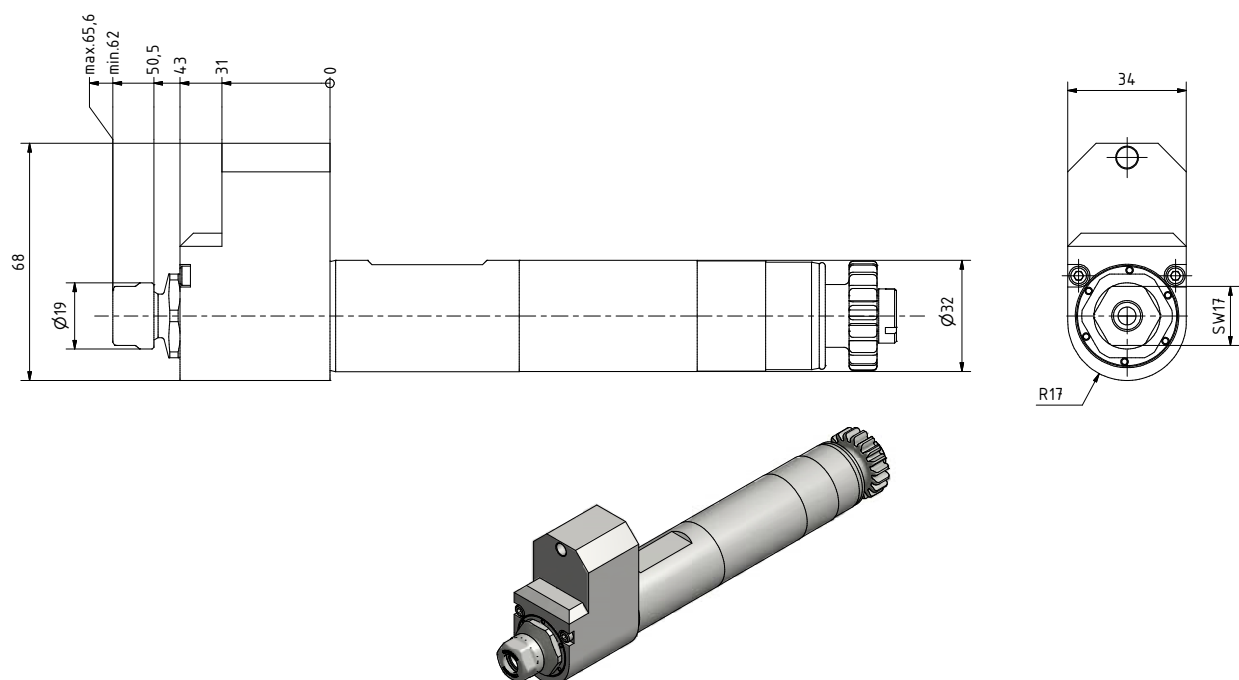
Axial drilling and milling head
CITIZEN



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
CITIZEN

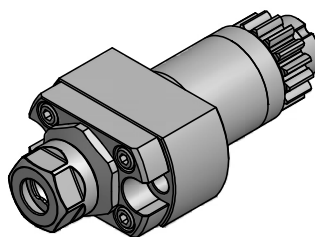
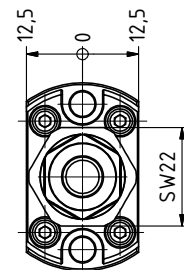
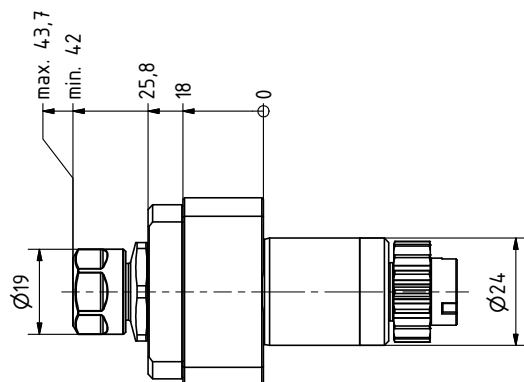
Axial drilling and milling head
CITIZEN



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
CITIZEN

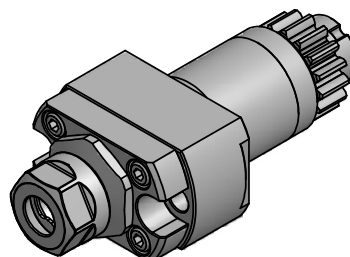
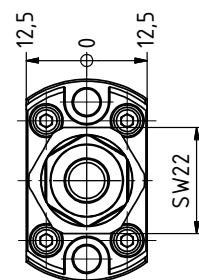
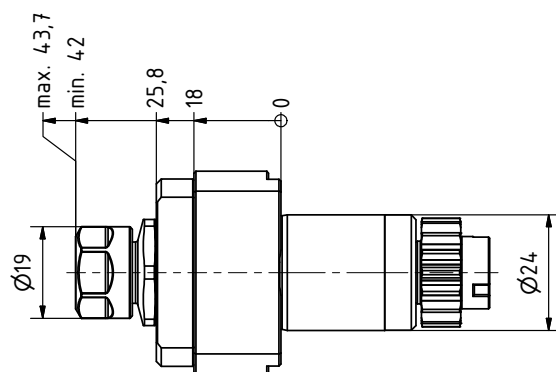
Axial drilling and milling head
CITIZEN



Nr. / No.	Spannzange/ Collet	i	$n_{\max}$ 1/min	$T_{\max}$ Nm
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Axial Bohr und Fräskopf
CITIZEN

Axial drilling and milling head
CITIZEN



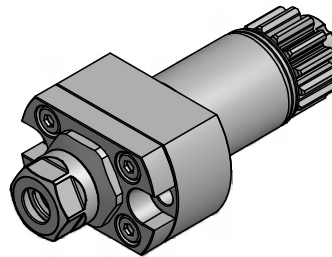
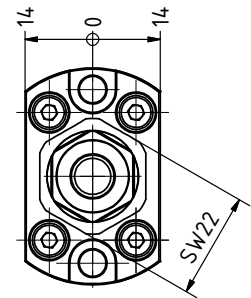
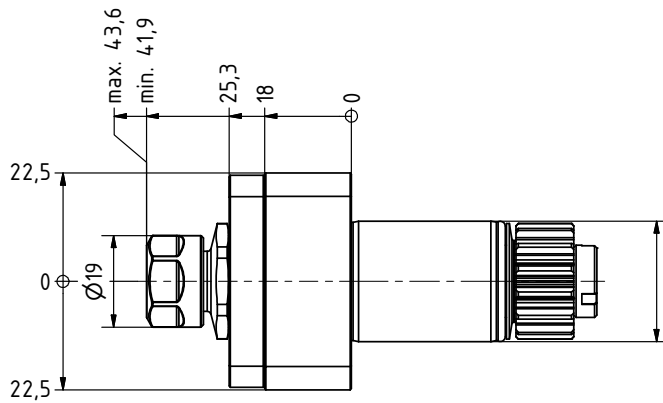
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Axial Bohr und Fräskopf

CITIZEN

Axial drilling and milling head

CITIZEN



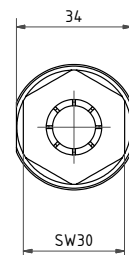
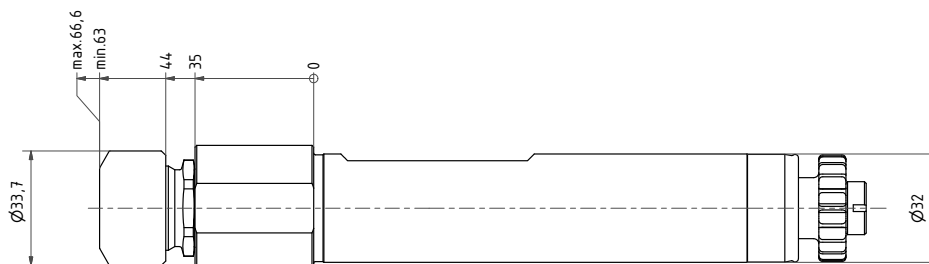
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Axial Bohr und Fräskopf

CITIZEN

Axial drilling and milling head

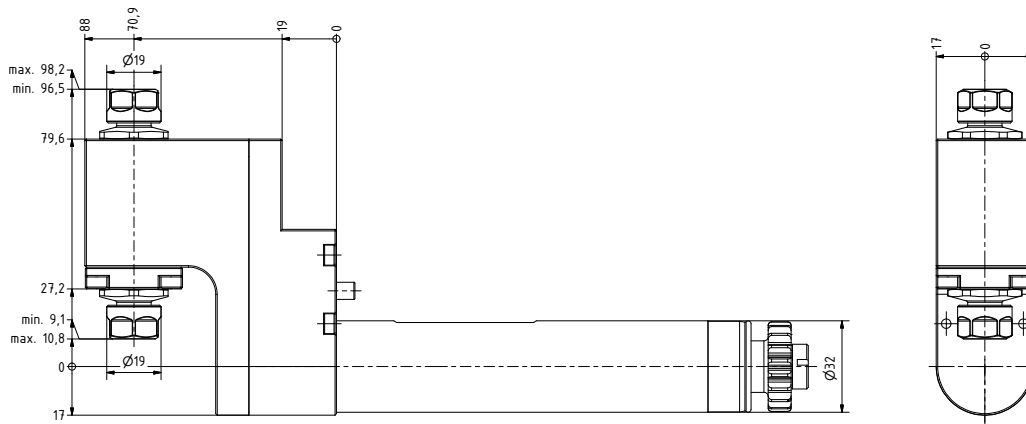
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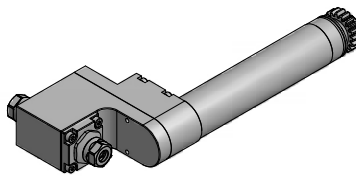
Radial Bohr und Fräskopf
CITIZEN

Radial drilling and milling head
CITIZEN



zurückgesetzt/ offset

doppelseitig /
double sided



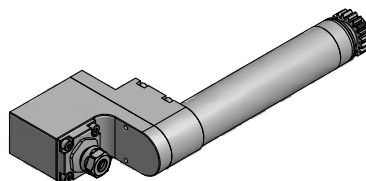
Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Radial Bohr und Fräskopf
CITIZEN

Radial drilling and milling head
CITIZEN



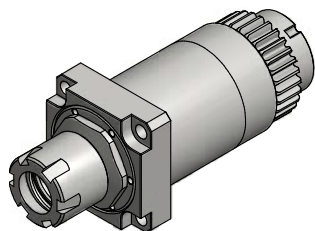
zurückgesetzt/ offset



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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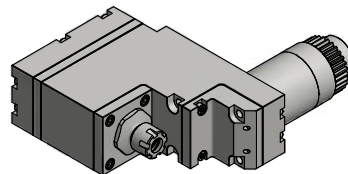
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40.STAR16-33150

Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

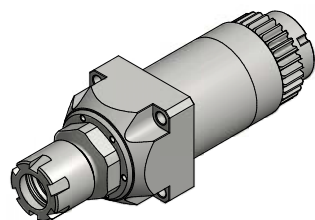
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80.STAR12-57157

Radial Bohr- und
Fräskopf /
Radial drilling and
milling head

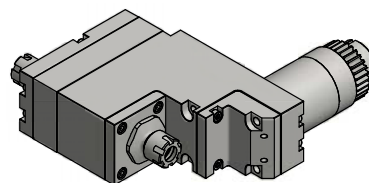
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Axial Bohr- und
Fräskopf /
Axial drilling and
milling head

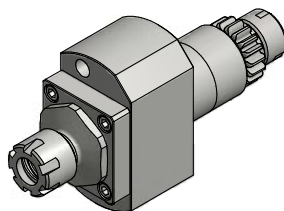
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Fräskopf /
Radial drilling and
milling head

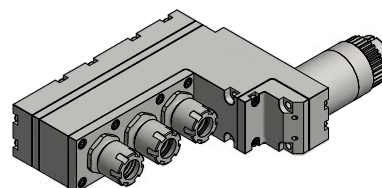
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Axial Bohr- und
Fräskopf /
Axial drilling and
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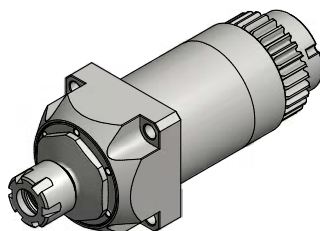
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Fräskopf /
Radial drilling and
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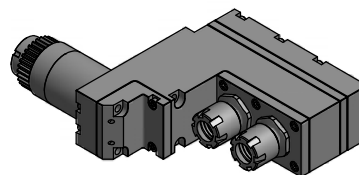
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Axial Bohr- und
Fräskopf /
Axial drilling and
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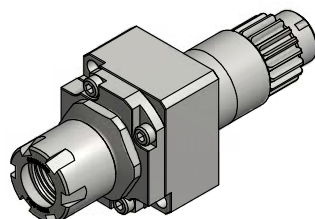
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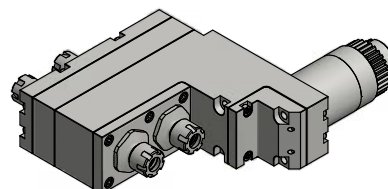
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Fräskopf /
Radial drilling and
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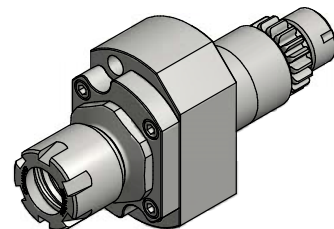
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Radial drilling and
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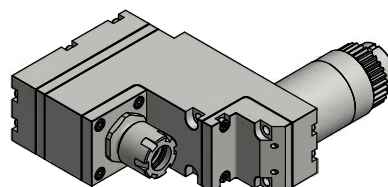
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40.STAR16-57161

Radial Bohr- und
Fräskopf /
Radial drilling and
milling head

1.8



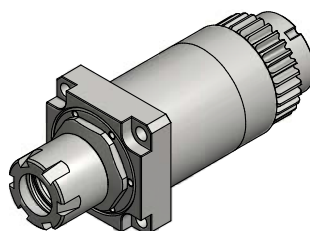
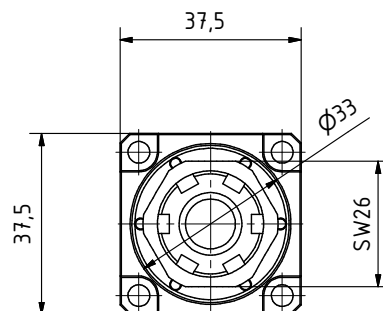
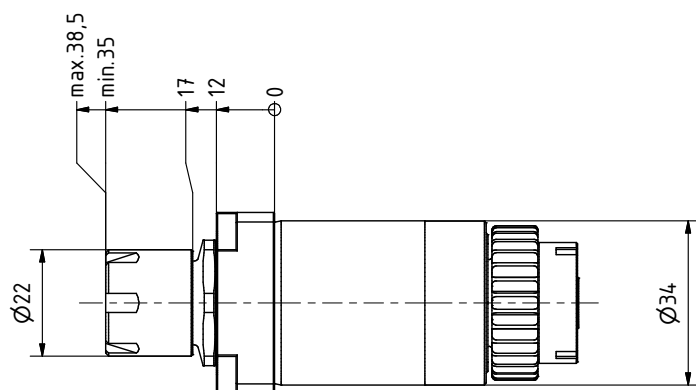
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Radial Bohr- und
Fräskopf /
Radial drilling and
milling head

1.11

Axial Bohr und Fräskopf
STAR

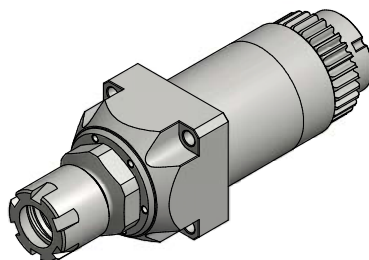
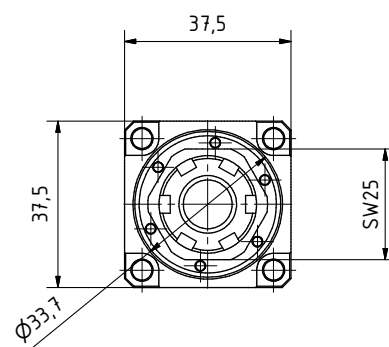
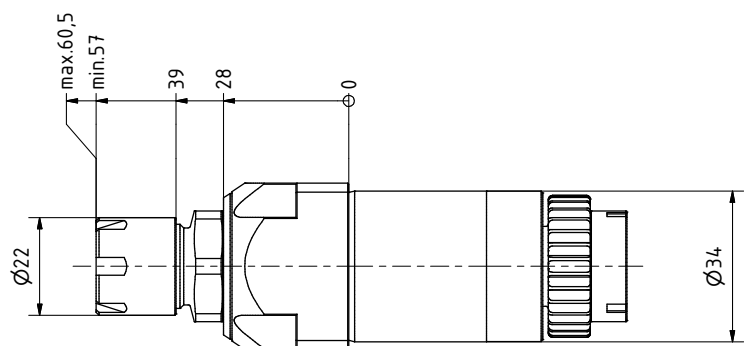
Axial drilling and milling head
STAR



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
STAR

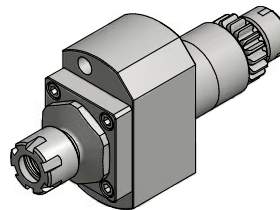
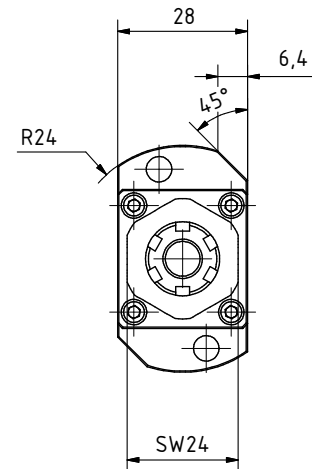
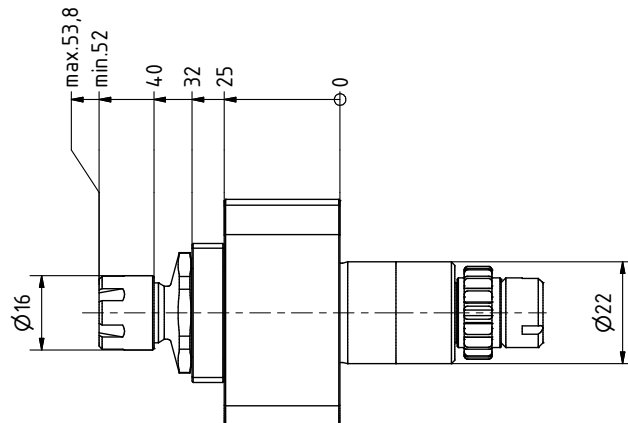
Axial drilling and milling head
STAR



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
STAR

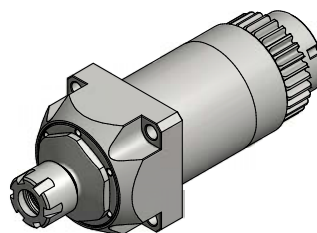
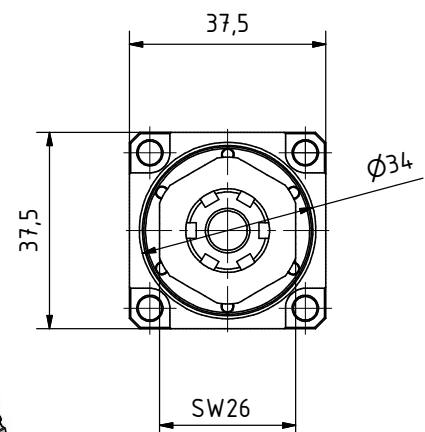
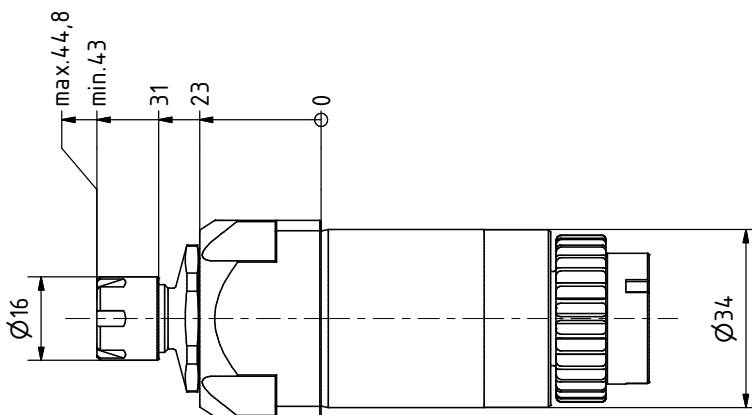
Axial drilling and milling head
STAR



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
STAR

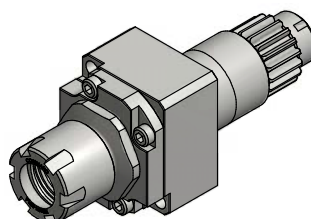
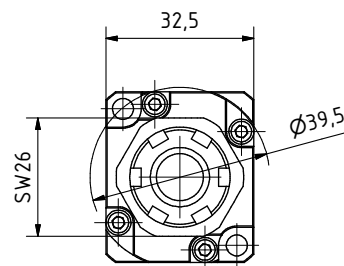
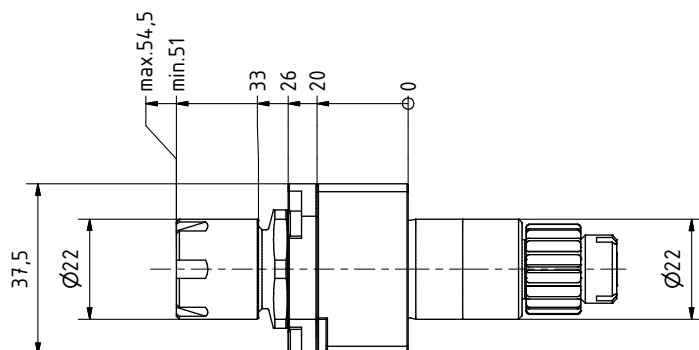
Axial drilling and milling head
STAR



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
STAR

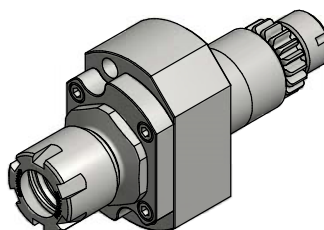
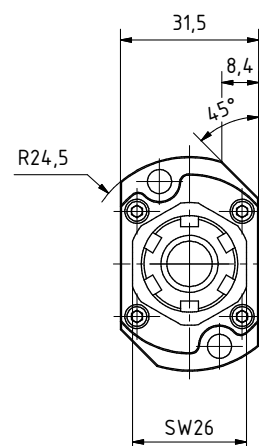
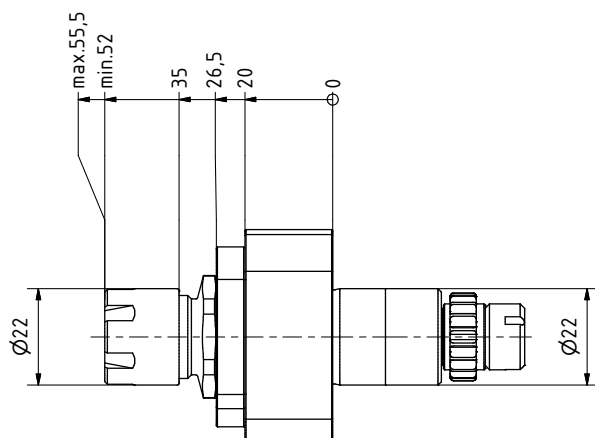
Axial drilling and milling head
STAR



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Axial Bohr und Fräskopf
STAR

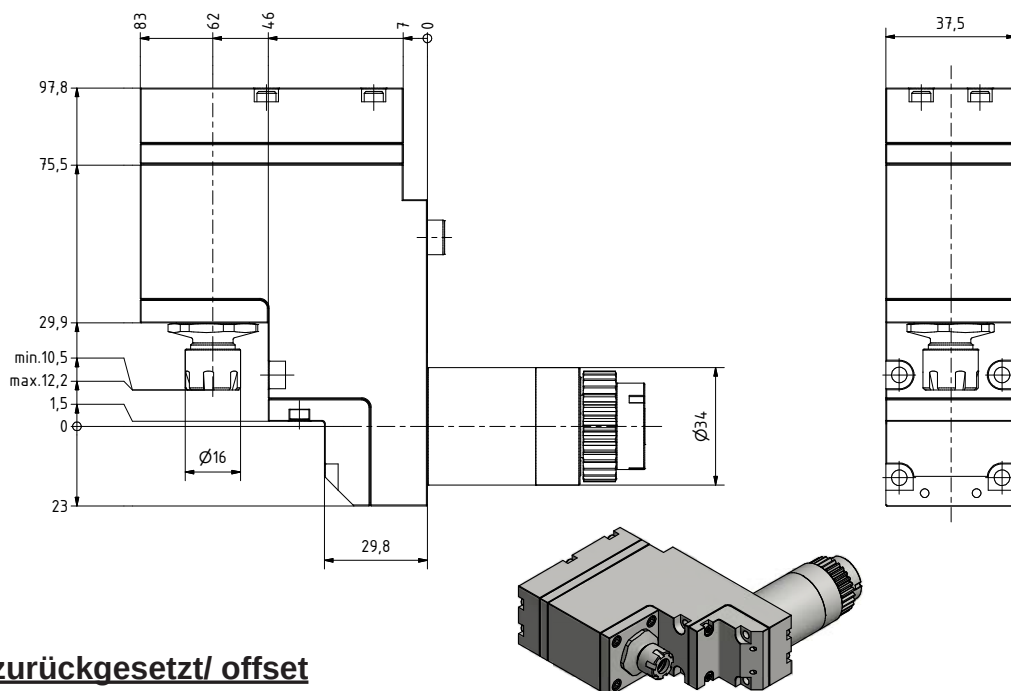
Axial drilling and milling head
STAR



Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
40.STAR16-57161	ER16 (1-10)	1:1	9000	25

Radial Bohr und Fräskopf
STAR

Radial drilling and milling head
STAR

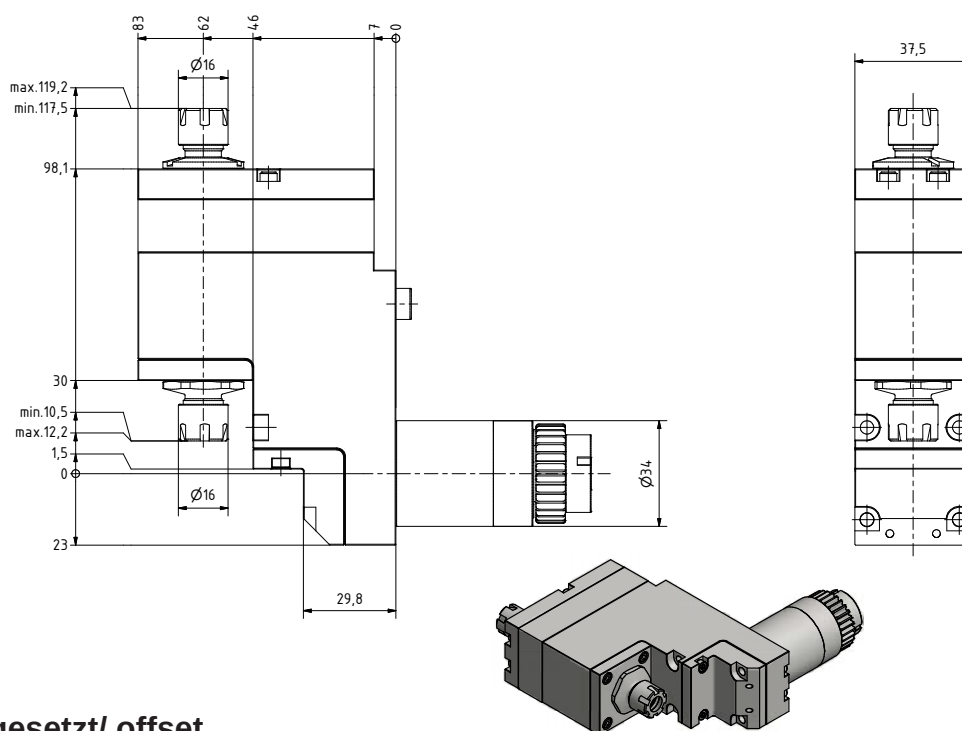


zurückgesetzt/ offset

Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
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Radial Bohr und Fräskopf
STAR

Radial drilling and milling head
STAR

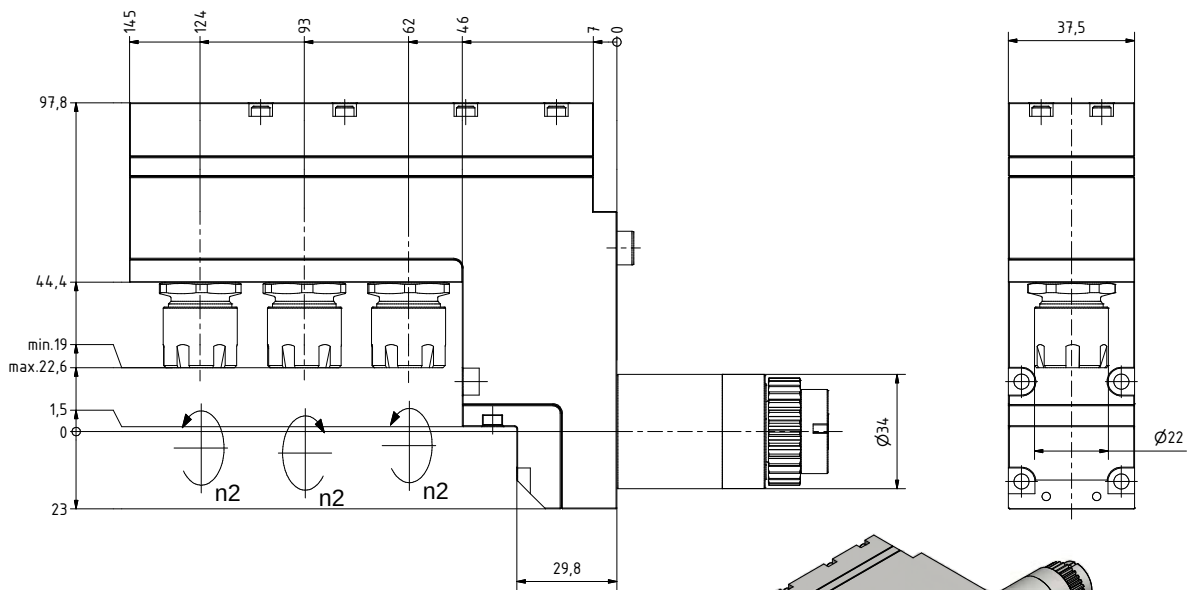


zurückgesetzt/ offset

Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
80.STAR12D-57156	ER11 (1-10)	1:1	9000	25

Radial Bohr und Fräskopf
STAR

Radial drilling and milling head
STAR

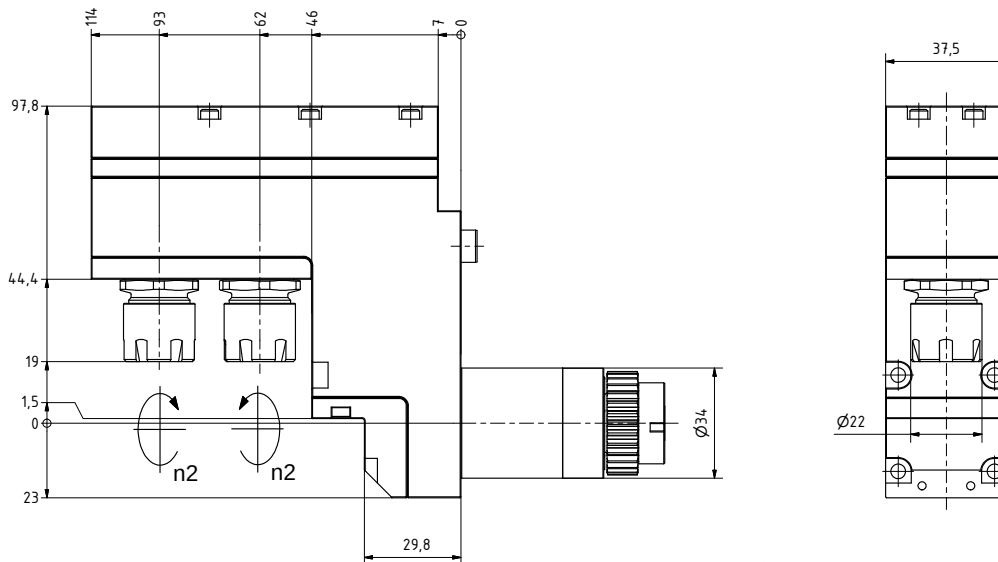


zurückgesetzt/ offset

Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
80.STAR16TX-66151	ER16 (1-10)	1:1	9000	25

Radial Bohr und Fräskopf
STAR

Radial drilling and milling head
STAR

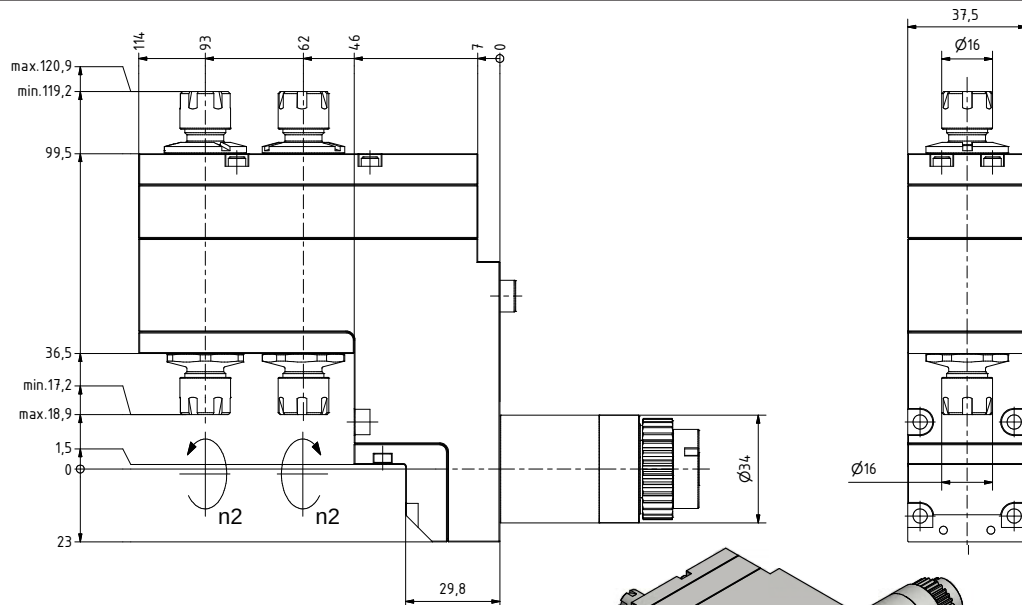


zurückgesetzt/ offset

Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
80.STAR16DX-54151	ER16 (1-10)	1:1	9000	25

Radial Bohr und Fräskopf
STAR

Radial drilling and milling head
STAR

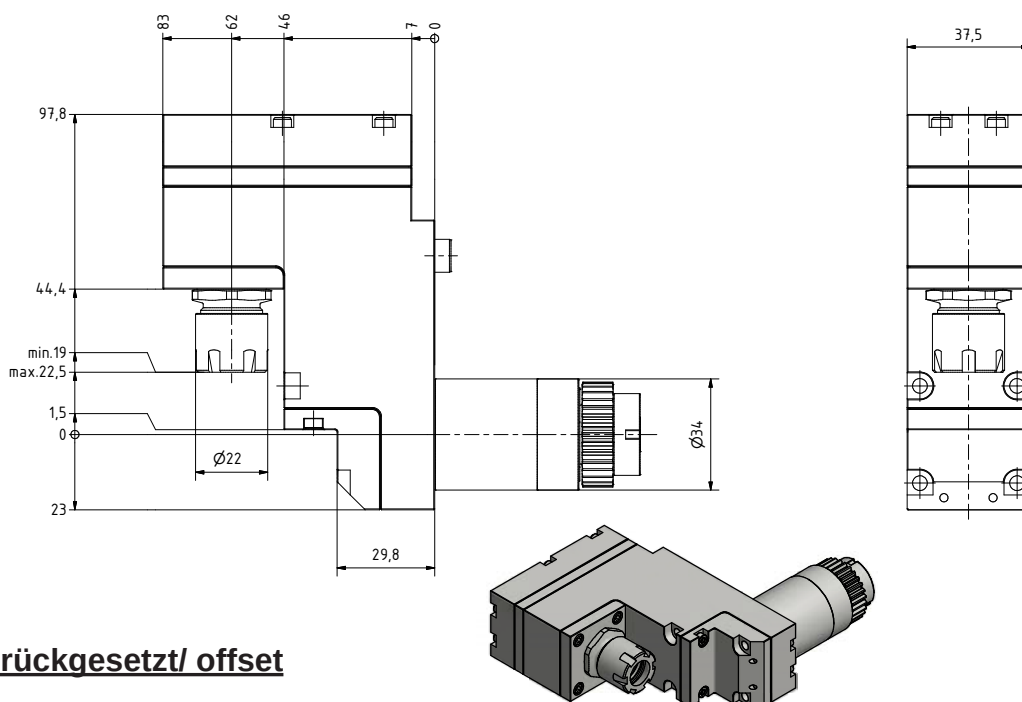


zurückgesetzt/ offset

Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
80.STAR12QX-66159	ER11 (1-7)	1:1	9000	25

Radial Bohr und Fräskopf
STAR

Radial drilling and milling head
STAR



zurückgesetzt/ offset

Nr. / No.	Spannzange/ Collet	i	n _{max} 1/min	T _{max} Nm
80.STAR16-57151	ER16 (1-10)	1:1	9000	25



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