

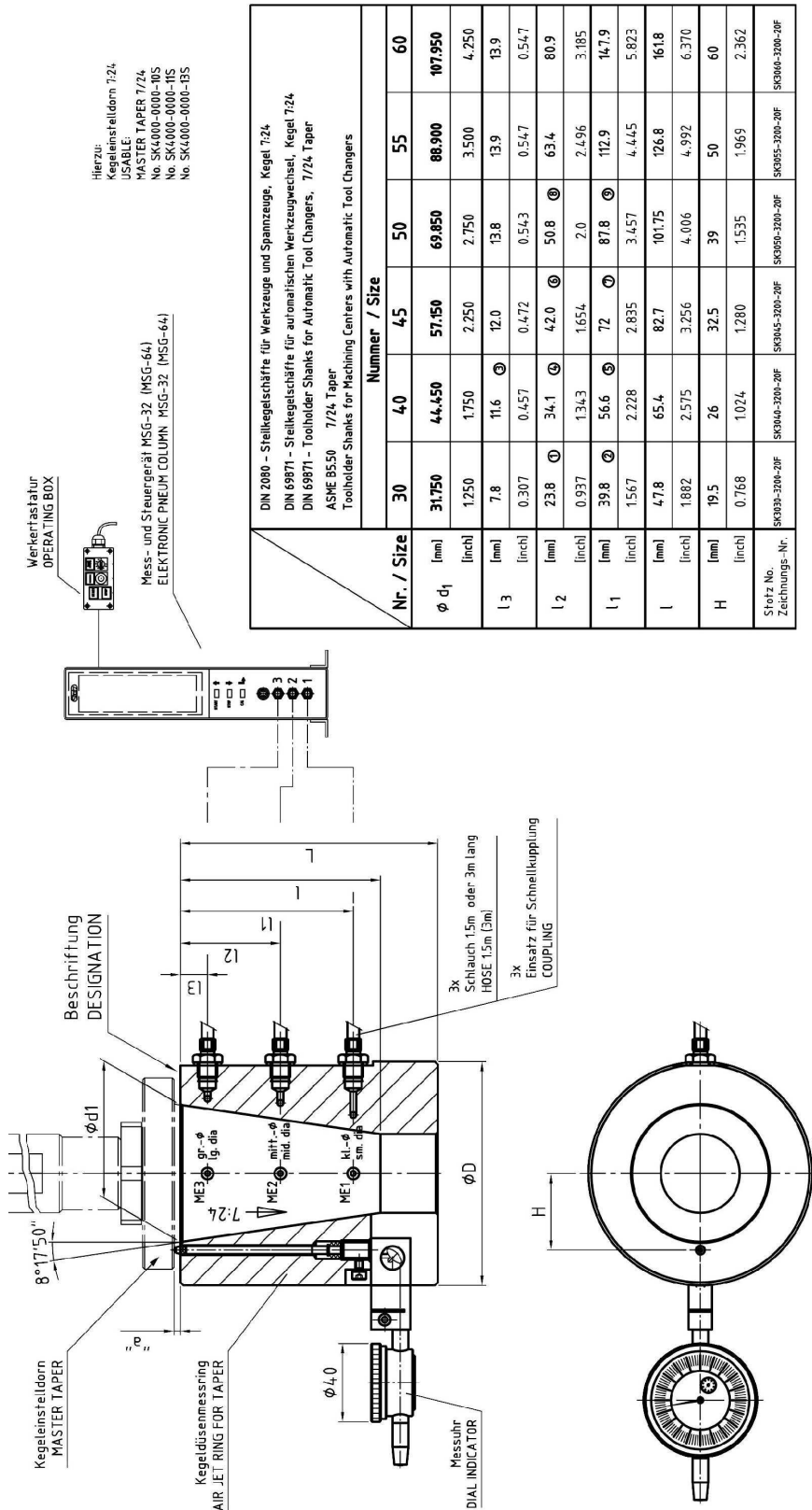
Gaging for CAT- Toolholders



ASME-B5.50-2009

Data Sheet for CAT Toolholder Gages

ASME-B5.50-2009



Taper Air Jet Ring

Hard Chrome plated with 3 measuring levels and 1 dial indicator for the gage line according to ASME-B5.50-2009 with hose 1.5 meters long and quick connect coupler for connection to MSG.



Type	Part Number
CAT 30	STO-410-2320-011030
CAT 40	STO-410-2320-011040
CAT 45	STO-410-2320-011045
CAT 50	STO-410-2320-011050
CAT 55	STO-410-2320-011055
CAT 60	STO-410-2320-011060

Taper Master Plug

According to ASME-B5.50-2009, chrome plated and aged steel with international certification.



Type	Part Number
CAT 30	STO-305-2000-011030
CAT 40	STO-305-2000-011040
CAT 45	STO-305-2000-011045
CAT 50	STO-305-2000-011050
CAT 55	STO-305-2000-011055
CAT 60	STO-305-2000-011060

Air Gaging CAT-Spindle



ASME-B5.50-2009

Taper Air Jet Mandrel

Hard Chrome plated with 3 measuring levels and 1 dial indicator for gage line according to ASME-B5.50-2009 with hose 1.5 meters long and quick connect coupler for connect to MSG.



Type	Part Number
CAT 30	STO-310-2320-011030
CAT 40	STO-310-2320-011040
CAT 45	STO-310-2320-011045
CAT 50	STO-310-2320-011050
CAT 55	STO-310-2320-011055
CAT 60	STO-310-2320-011060

Taper Master Ring

According to ASME-B5.50-2009, chrome plated and aged steel with international certificate.



Type	Part Number
CAT 30	STO-405-0009-010030
CAT 40	STO-405-0009-010040
CAT 45	STO-405-0009-010045
CAT 50	STO-405-0009-010050
CAT 55	STO-405-0009-010055
CAT 60	STO-405-0009-010060

Power-Check Information

The Power-Check and the Power-Check II are measuring devices used to check the force with which the tool is pulled into the spindle taper. The specified pull force is very important for quality of machining and, if included into your preventative maintenance schedule, will allow you to notice a reduction of pull force and prevent problems before they occur.



Power-Check

- Easily exchange adapters for all tapered standards and sizes (CAT, ANSI, BT, MAS, HSK, CAPTO, special forms)
- The system is light, compact, and very easy to use.
- Adjustable Range to simulate the tolerance range of the tool/spindle
- The pull force is easily read on the LCD display in kN or klb

Technical Data

Measuring range	2-75kN / 10-75 kN
Measuring system	Strainage
Display	Big 3.5 digit LCD-display
Power source	9 volt battery
Weight	Max. 6.6 lbs.

Temperature Range	14°F to 122°F
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- Easily exchange adapters for all tapered standards and sizes (CAT, ANSI, BT, MAS, HSK, CAPTO, special forms)
- Has gripping channel for automatic tool change and positioning in the tool magazine
- Automatic Mode – activates the unit by itself during the tool change
- More Compact than the Power-Check and much more suitable for difficult space conditions
- Adjustable Range to simulate the tolerance range of the tool/spindle
- Energy Saving Mode for long battery life
- LED-display shows the measured force even in difficult lighting conditions
- Internal memory stores up to 8,000 measurements (machine ID, date, time, pull force, adjusted range)
- USB Connection to download the internal memory and to charge the internal battery



Power-Check II

Technical Data

Measuring range	0.14-5 kN / 0.4-15 kN / 2-75 kN
Measuring system	Straingage
Display	Big 3.5 digit LCD-display
Charging process	Via USB interface
Weight	Max. 3.3 lbs.

Temperature Range	60°F to 95°F
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Order numbers

Basic unit

Order number Power Check	Measuring Range
AOT-95.101.712.2.2	2 - 15 kN
AOT-95.101.600.2.2	10 – 75 kN

Order number Power Check II	Measuring Range
AOT-95.103.134.9.2	0.14 - 5 kN
AOT-95.103.135.9.2	0.4 – 15 kN
AOT-95.103.136.9.2	2 – 75 kN

Adapter for HSK / manual operation

Nominal size	Order number
E 25 / F 32	AOT-95.600.069.9.2
A 32 / B 40	AOT-95.600.070.9.2
A 40 / B 50	AOT-95.600.071.9.2
A 50 / B 63	AOT-95.600.072.9.2
A 63 / B 80	AOT-95.600.073.9.2
A 80 / B 100	AOT-95.600.074.9.2
A 100 / B 125	AOT-95.600.075.9.2
A 125 / B 160	AOT-95.600.076.9.2

Adapter for steep taper / manual operation

Size CAT (SK)	DIN 69871 / 69872 ISO 7388 / 1 / 2 Type A	ANSI B 5.50-09 ISO 7388 / 1 / 2 Type B	MAS 403-1982 BT / PT-I (45°)	MAS 403-1982 BT / PT-II (30°)
CAT 30	AOT-95.101.582.9.2	AOT-95.101.583.9.2	AOT-95.101.584.9.2	AOT-95.101.585.9.2
CAT 40	AOT-95.101.586.9.2	AOT-95.101.587.9.2	AOT-95.101.588.9.2	AOT-95.101.589.9.2
CAT 45	AOT-95.101.590.9.2	AOT-95.101.591.9.2	AOT-95.101.592.9.2	AOT-95.101.593.9.2
CAT 50	AOT-95.101.594.9.2	AOT-95.101.595.9.2	AOT-95.101.596.9.2	AOT-95.101.597.9.2
CAT 60	AOT-95.101.598.9.2	AOT-95.101.599.9.2	AOT-95.101.601.9.2	AOT-95.101.602.9.2

Adapter for Capto / manual operation

Nominal Size	Order Number
C4 ISO 26623-1	AOT-95.601.481.9.2
C5 ISO 26623-1	AOT-95.601.482.9.2
C6 ISO 26623-1	AOT-95.601.266.9.2
C8 ISO 26623-1	AOT-95.601.483.9.2

Adapter for hollow shaft with gripper groove for automatic tool change.

Nominal Size	Order number
A 63 / B 80	AOT-95.601.851.9.2

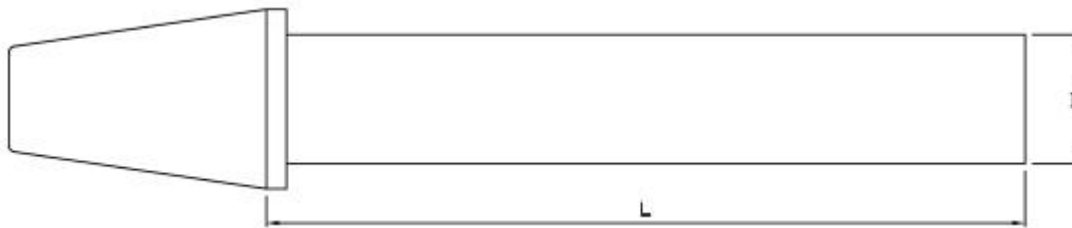
Adapter for steep taper with gripper groove for automatic tool change.

Nominal size	DIN 69871 / 69872 ISO 7388 / 1 / 2 Type A
CAT (SK) 50	AOT- 95.103.097.9.2

Other adapters available on request!

Run-Out Arbors

Spindle runout arbors offer a quick and easy way to verify that a machine spindle is running true after a crash, after a machine has been moved, or periodically as a performance check. Other sizes available on request.



CAT	D	L	Part Number
CAT40	40	320	SCH-4970-300,040
CAT50	40	320	SCH-4970-300,050

Test Arbor is in wooden box with certificate.

- Dimensions shown are in mm.
- Other sizes and custom arbors are available. Contact us for more information.
- A certificate of accuracy is included.

Cleaning Wipers

For cleaning the internal tapers.



For HSK-A/C/E	Part #
30	SCH-530.100.830
40	SCH-530.100.840
45	SCH-530.100.845
50	SCH-530.100.850

QuickClean Tool Taper Cleaning Machine

Keep precision at the spindle interface by keeping tool holders clean..

QuickClean Tool Taper Cleaning Machine





**Keep precision at the spindle interface
by keeping tool holders clean**

- Reduce waste
- Increase the tool life
- Protect the machine spindle
- Maintain lasting precision



Cleaning Unit

Top piece with 3 brushes

Taper Standard	Order Nr.	LxWxH	Weight
40 Steep Taper	530.310.840	9 x 9 x 7.9 in.	20 lb
50 Steep Taper	530.310.850	9 x 9 x 9.6 in.	20 lb
HSK-A,C,E 63	530.310.163	9 x 9 x 7.9 in.	20 lb
HSK-A,C,E 100	530.310.190	9 x 9 x 7.9 in.	20 lb



Drive Unit

100-240VAC, 45-65Hz, 0.3kW Max.

Order Nr.	LxWxH (in.)	Weight (lb)
530.310.000.100	16.5 x 9.8 x 6.7 in.	27 lb

Other sizes available on request!

Spindle Interface Solutions

As the exclusive U.S. distributor of OTTJakob steep taper or HSK drawbars and components, AME provides the most reliable and highest precision tool holding solutions in the world. OTT-Jakob is the gold standard, combining industry-leading technology with proven production processes to create durable, reliable tool holding products recognized worldwide for their accuracy, repeatability and uptime. You can count on OTTJakob products day after day, year after year. You can count on AME the same way. Our Spindle Interface Group backs every tool holding solution we sell with maintenance, repair and reconditioning services to ensure a long, productive life from your investment. AME engineers are also available for up-front application and integration assistance, so when you come to AME, you get a tool holding solution that's custom-tailored to your machines and your unique requirements.



OTT-JAKOB Power Drawbars and Components

hold cutting tools securely in place. Features include power-off clamping, intensified spring force with wedge mechanisms, compact design with minimal rotating mass, and quick-change design. AME is the exclusive North American distributor of OTT-JAKOB power drawbars and components.

Specialty tool holders

including steep taper, HSK and other designs are manufactured at AME for a variety of applications. Complete gauging capabilities ensure quality tooling.

AME's Spindle Interface Group Services

and repairs all spindle interface components. Complete services are available to repair, rebuild, re-engineer or manufacture any drawbar or spindle shaft to industry standards. Twenty-four hour turn-around is available on drawbar repairs. AME has the machining resources and skilled personnel on site to complete virtually any machining task.

