



T|E|N|D|O® Slim 4ax

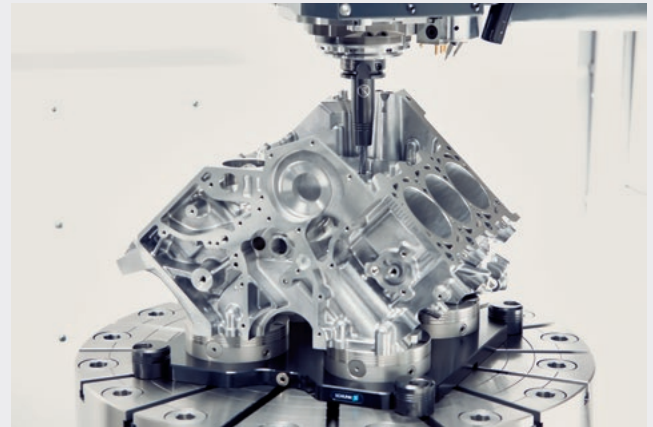
**One of a kind. Flexible.
Efficient.**

Hand in hand for tomorrow

The SCHUNK TENDO Slim 4ax is a toolholder for axial machining and radial fine machining. It is the only one in its class to meet all requirements: Heat-shrinking contour according to DIN 69882-8, easy handling, short set-up times, long tool service life, high flexibility as well as Plug & Work while it can even be used with minimal quantity lubrication. The TENDO Slim 4ax Cool Flow variant enables peripheral cooling through cooling channels in the wall. The coolant is fed directly to the cutting edge of the tool.



For milling, reaming, drilling, counterbore/chamfering and tapping



Advantages – Your benefits

- + Plug & Work**
Can be used in existing processes without reprogramming
- + Perfect cooling**
The TENDO Slim 4ax Cool Flow enables peripheral cooling using cooling channels in the wall. The coolant is fed directly to the cutting edge of the tool, and chips are safely removed from the workpiece.
- + Fine-balanced by default**
Suitable for high speeds and HSC machining with a balancing grade of G2.5 at 25,000 RPM
- + Micron-precise tool change within seconds without peripheral equipment**
Time saving through reduction of set-up time and no investment and energy costs due to additional clamping devices
- + Excellent vibration damping**
Micro-blowouts are prevented, optimal workpiece surfaces, machine spindle protection, increased tool service life resulting in a reduction of costs
- + Permanent run-out and repeat accuracy < 0.003 mm**
Even cutting action, increased tool service life, and reduced costs for regrinding or buying new tools
- + Exact length preadjustment**
Length adjustment in the range of 0.01 mm accuracy, with adjustment travel of 10 mm
- + The ultimate solution for axial machining**
Boring, counterbore/chamfering, reaming and threading in 5-axis centers and in die and mold construction
- + Excellent radial rigidity for the best dimensional accuracy**
A robust base body prevents lateral deflection during the cutting process
- + All commercially available tool shank types can be clamped**
Form A: with smooth cylindrical shank, shank form A in accordance with DIN 1835 and DIN 6535 HA Form AB: with flat face and cylindrical shank with pulling face, shank form B in accordance with DIN 1835 and DIN 6535 HB Form B: with lateral pulling faces, shank form B in accordance with DIN 1835 Form E: with inclined clamping face, shank form E in accordance with DIN 1835 and DIN 6535 HE

**1 Chamber system**

When the chamber system is filled with hydraulic fluid, it has a damping effect on the clamped tool.

2 Expansion sleeve

The expansion sleeve evenly expands against the tool shank. This clamping process first centers the tool shank before fully clamping it over the whole surface.

3 Base body

The machine-side interface is located on the base body.

4 Length-setting screw

For fast and easy tool presetting.

5 Dirt groove

The enormous clamping pressure of the TENDO Slim 4ax hydraulic expansion toolholder creates a displacement of oil, grease, or lubricant residues into the groove, as a result of which the clamping surfaces remain dry.

Excellent vibration damping

Micro-blowouts on the cutting edge of the tool are prevented, thus achieving optimum workpiece surfaces. The spindle performance will be enhanced, the tool service life is considerably increased and costs reduced.



High flexibility due to the use of intermediate sleeves

The application of slotted or coolant-proof intermediate sleeves enables clamping of different tool diameters using the same toolholder. This is why a toolholder can be used flexibly within the clamping range.

The run-out accuracy of the intermediate sleeve is ≤ 0.003 mm.



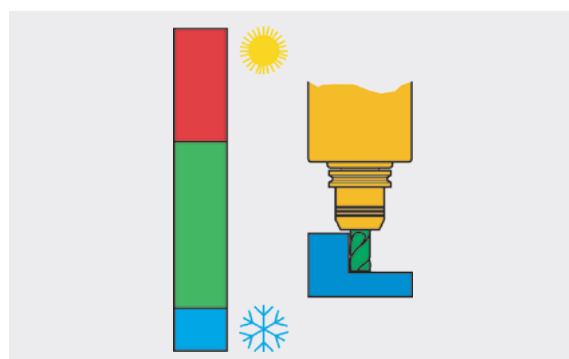
Clamping force test

The clamping force in the clamping system can be tested at any time in a matter of seconds by using a test shaft.



Optimum temperature range

All technical data in the catalog applies to a normal temperature range between 20 – 25°C. The optimum operating temperature range is between 20 and 50 °C. Higher temperature ranges are possible upon request.



Run-out and repeat accuracy

Highest, permanent run-out and repeat accuracy of < 0.003 mm ensure an even cutting action. This minimizes wear to the cutting edges of the tool, increases tool service life considerably, and reduces the costs incurred for regrinding or buying new tools.



Dirt grooves for reliable torque transmission

The enormous clamping pressure of the TENDO hydraulic expansion toolholder creates a displacement of oil, grease, or lubricant residues into the dirt groove. This results in the clamping face remaining dry and reliable torque transmission is guaranteed.



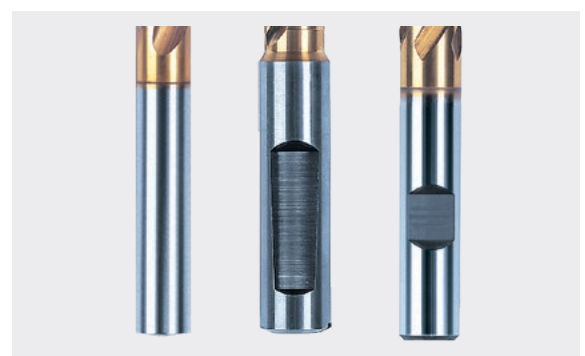
Dirt resistance for a long-lasting functional reliability

The completely enclosed TENDO system prevents the penetration of dirt, chips, coolants, and grease. The clamping range is not damaged, functionality and perfect tool clamping system remain fully preserved. TENDO hydraulic expansion toolholders are low-maintenance and enjoy a long service life.



All commercially available tool shank types can be clamped

- Form A: with smooth cylindrical shank, shank form A in accordance with DIN 1835 and DIN 6535 HA
- Form AB: with flat face and cylindrical shank with pulling face, shank form B in accordance with DIN 1835 and DIN 6535 HB
- Form B: with lateral pulling faces, shank form B in accordance with DIN 1835
- Form E: with inclined clamping face, shank form E in accordance with DIN 1835 and DIN 6535 HE

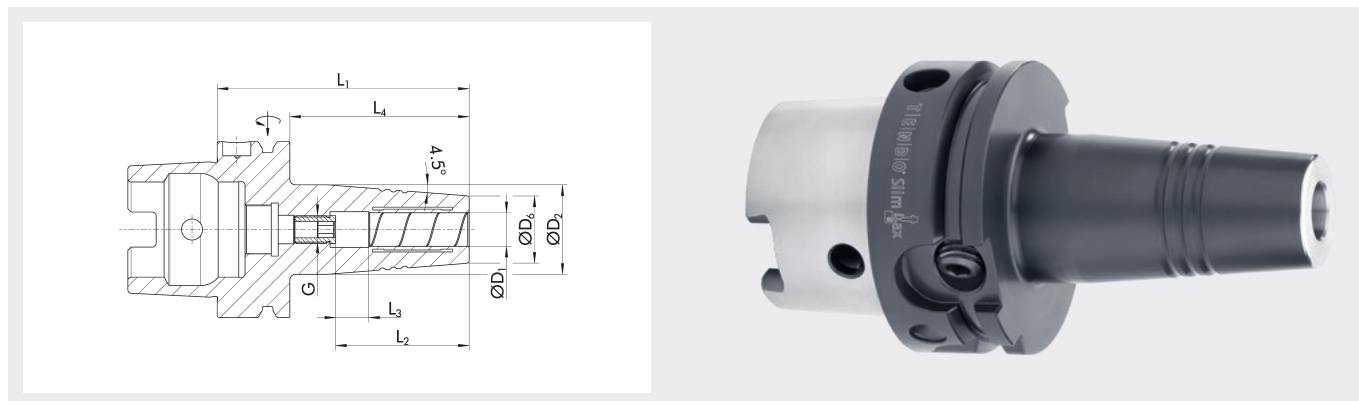


The set-up time killer! Precise tool change without peripheral equipment

With a few simple actions, the tool can be changed quickly and process reliably. Time savings due to reduced set-up times and no investment costs for additional clamping devices.



TENDO Slim 4ax HSK-A 63



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar



Coolant type
MQL suitable version

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
0206341	6	27	21	80	38.2	10	54	M10x1	16	0.9	9205650
0206342	8	27	21	80	38.2	10	54	M10x1	23	0.9	9205650
0206343	10	32	24	85	42.7	10	59	M10x1	45	0.9	9205650
0206344	12	32	24	90	47.7	10	64	M10x1	90	0.9	9205650
0206349	14	34	27	90	48.7	10	64	M10x1	110	1	9205650
0206345	16	34	27	95	53.2	10	69	M12x1	185	1	9205650
0206346	20	42	33	100	55.7	10	74	M16x1	330	1.2	9205650

*Run-out accuracy: at 2.5 x D

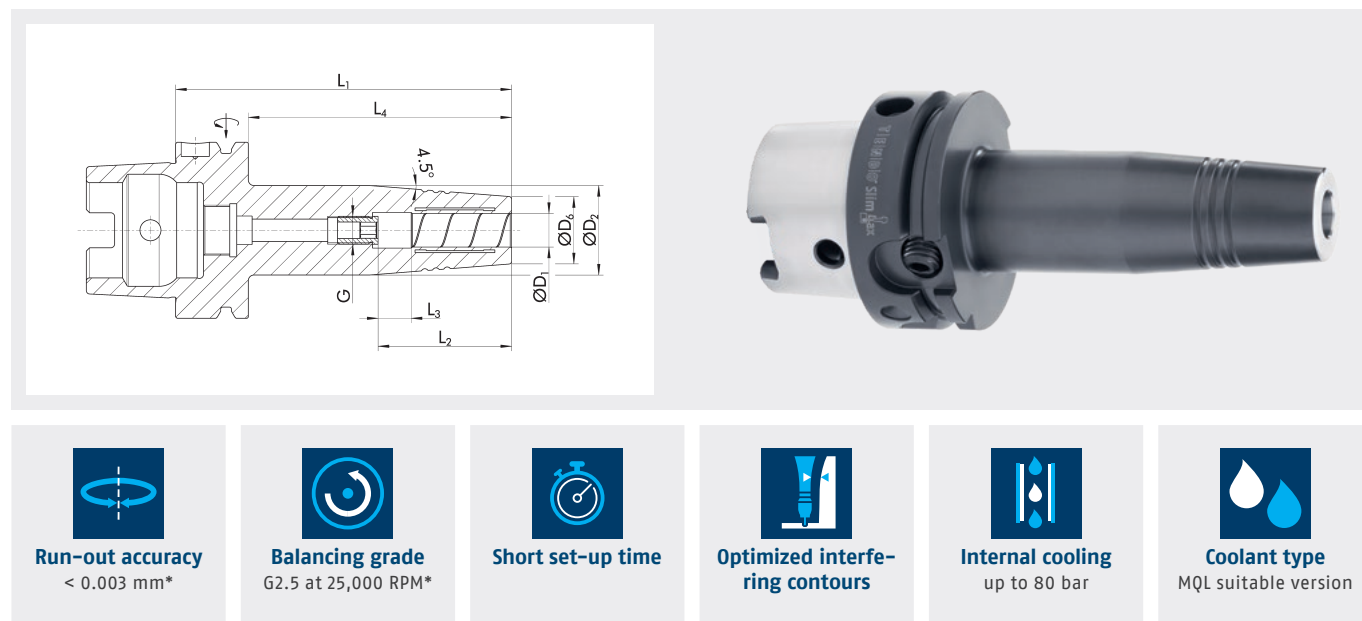
*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax HSK-A 63 L₁ =120



Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
0206351	6	27	21	120	38.2	10	94	M5x0.8	16	1	9205650
0206352	8	27	21	120	38.2	10	94	M7x1	23	1	9205650
0206353	10	32	24	120	43.2	10	94	M8x1	45	1.1	9205650
0206354	12	32	24	120	47.7	10	94	M10x1	90	1.1	9205650
0206359	14	34	27	120	48.7	10	94	M10x1	110	1.2	9205650
0206355	16	34	27	120	53.2	10	94	M12x1	185	1.2	9205650
0206356	20	42	33	120	55.7	10	94	M16x1	330	1.4	9205650

*Run-out accuracy: at 2.5 x D

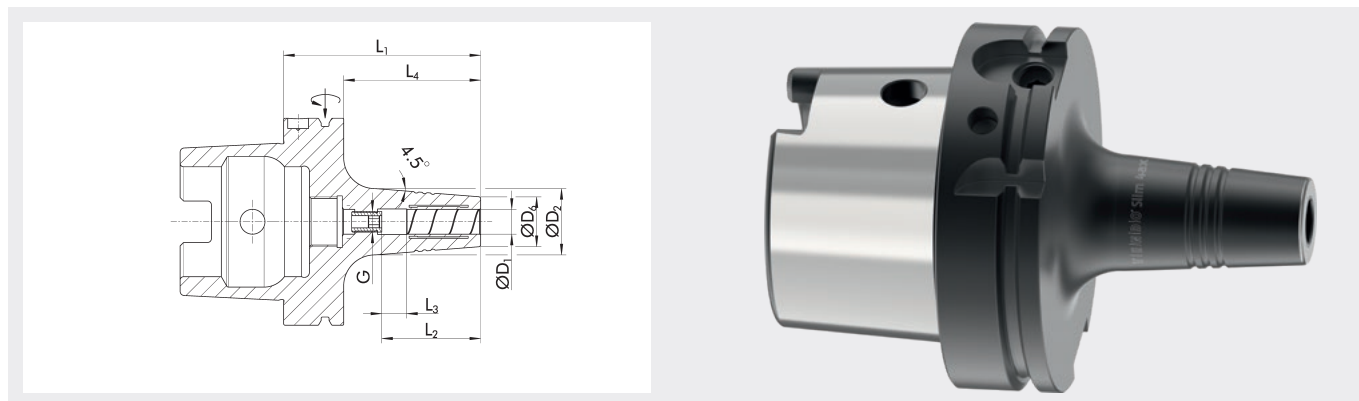
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax HSK-A 100



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar



Coolant type
MQL suitable version

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1451098	6	27	21	85	36.7	10	56.05	M10x1	16	2.2	9205650
1451099	8	27	21	85	36.7	10	56.05	M10x1	23	2.2	9205650
1451100	10	32	24	90	42.7	10	61.05	M10x1	45	2.2	9205650
1451101	12	32	24	95	47.7	10	66.05	M10x1	90	2.2	9205650
1451120	16	34	27	100	53.2	10	71.05	M12x1	185	2.3	9205650
1451121	20	42	33	105	55.7	10	76.05	M16x1	330	2.5	9205650

*Run-out accuracy: at 2.5 x D

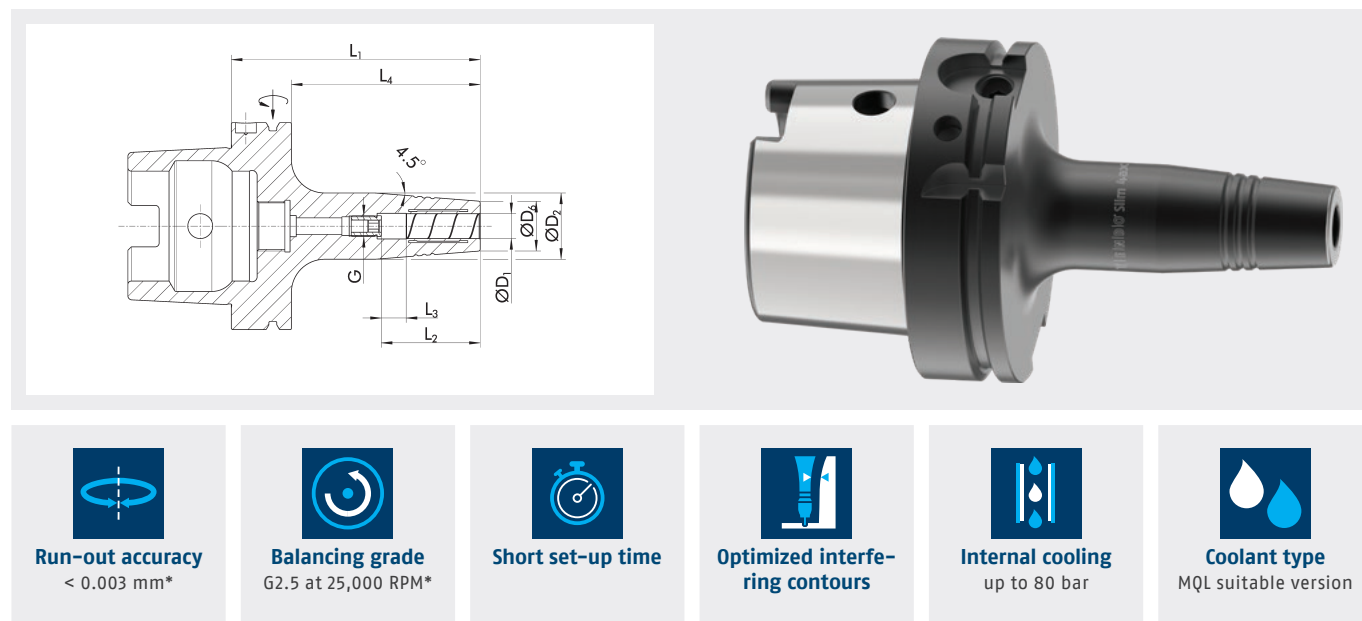
*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax HSK-A 100 L₁ =120



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



**Optimized interference-
ring contours**



Internal cooling
up to 80 bar



Coolant type
MQL suitable version

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1451139	6	27	21	120	38.2	10	91.05	M5x0.8	16	2.3	9205650
1451150	8	27	21	120	38.7	10	91.05	M7x1	23	2.3	9205650
1451151	10	32	24	120	43.2	10	91.05	M8x1	45	2.4	9205650
1451152	12	32	24	120	47.7	10	91.05	M10x1	90	2.4	9205650
1451153	16	34	27	120	53.2	10	91.05	M12x1	185	2.4	9205650
1451154	20	42	33	120	55.7	10	91.05	M16x1	330	2.6	9205650

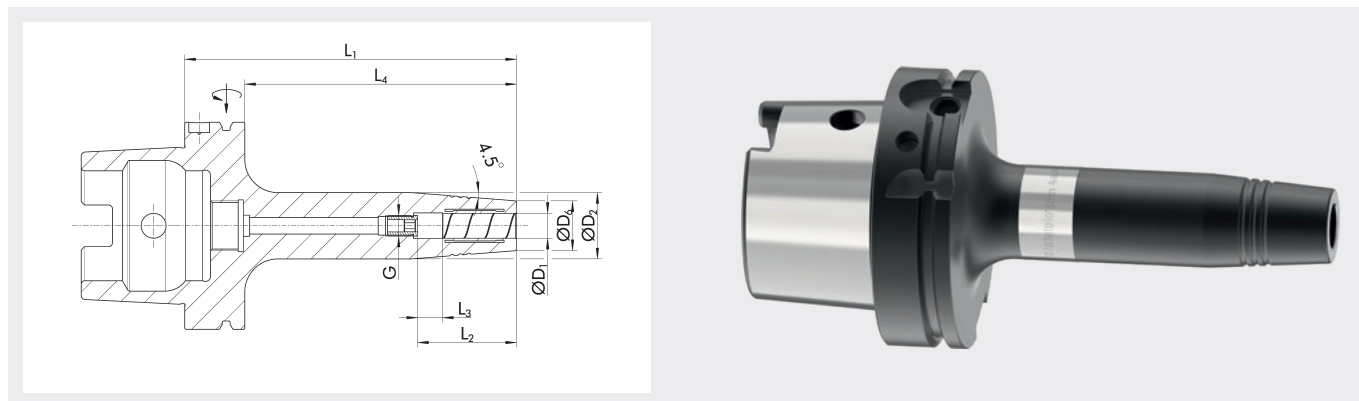
*Run-out accuracy: at 2.5 x D

*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax HSK-A 100 L₁ =160


Run-out accuracy
< 0,005 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]
1556001	6	27	21	160	38.2	10	131.05	M5x0.8	16	2.6
1556002	8	27	21	160	38.7	10	131.05	M7x1	23	2.6
1556003	10	32	24	160	43.2	10	131.05	M8x1	45	2.7
1556004	12	32	24	160	47.7	10	131.05	M10x1	90	2.7
1556005	16	34	27	160	53.2	10	131.05	M12x1	185	2.8
1556006	20	42	33	160	55.7	10	131.05	M16x1	330	3.2

*Run-out accuracy: at 2.5 x D

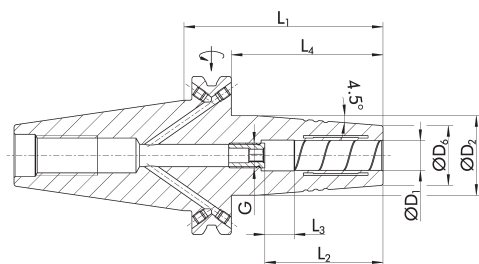
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SK 40



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1319638	6	27	21	80	36	10	60.9	M5	16	1	9205650
1319639	8	27	21	80	36	10	60.9	M6	23	1	9205650
1319640	10	32	24	80	42	10	60.9	M8x1	45	1	9205650
1319641	12	32	24	80	47	10	60.9	M10x1	90	1	9205650
1319643	16	34	27	80	50	10	60.9	M12x1	185	1.1	9205650
1319645	20	42	33	80	52	10	60.9	M16x1	330	1.2	9205650

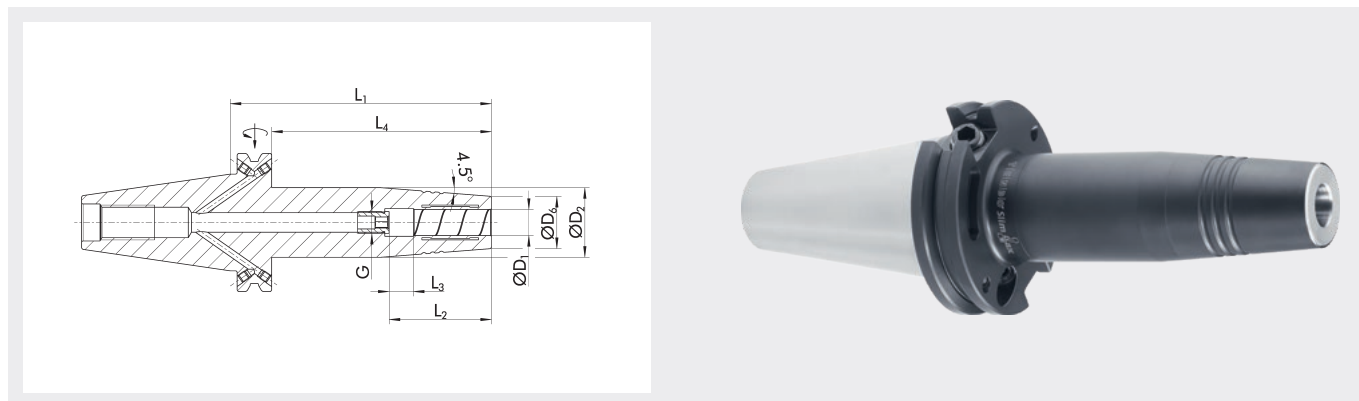
*Run-out accuracy: at 2.5 x D

*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SK 40 L₁ =120


Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1319655	6	27	21	120	36	10	100.9	M5	16	1.2	9205650
1319656	8	27	21	120	36	10	100.9	M6	23	1.2	9205650
1319657	10	32	24	120	42	10	100.9	M8x1	45	1.3	9205650
1319658	12	32	24	120	47	10	100.9	M10x1	90	1.31	9205650
1319660	16	34	27	120	50	10	100.9	M12x1	185	1.4	9205650
1319662	20	42	33	120	52	10	100.9	M16x1	330	1.6	9205650

*Run-out accuracy: at 2.5 x D

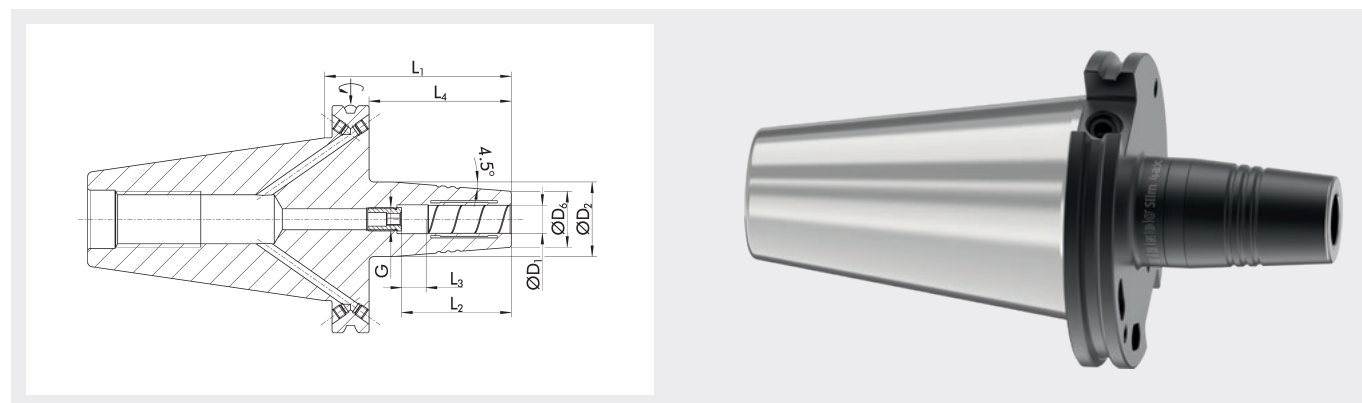
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SK 50



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1467911	6	27	21	80	36	10	60.9	M5	16	2.8	9205650
1467912	8	27	21	80	36	10	60.9	M6	23	2.8	9205650
1467913	10	32	24	80	43.2	10	60.9	M8x1	45	2.9	9205650
1467914	12	32	24	80	47	10	60.9	M10x1	90	2.9	9205650
1467915	16	34	27	80	50	10	60.9	M12x1	185	2.9	9205650
1467916	20	42	33	80	52	10	60.9	M16x1	330	3	9205650

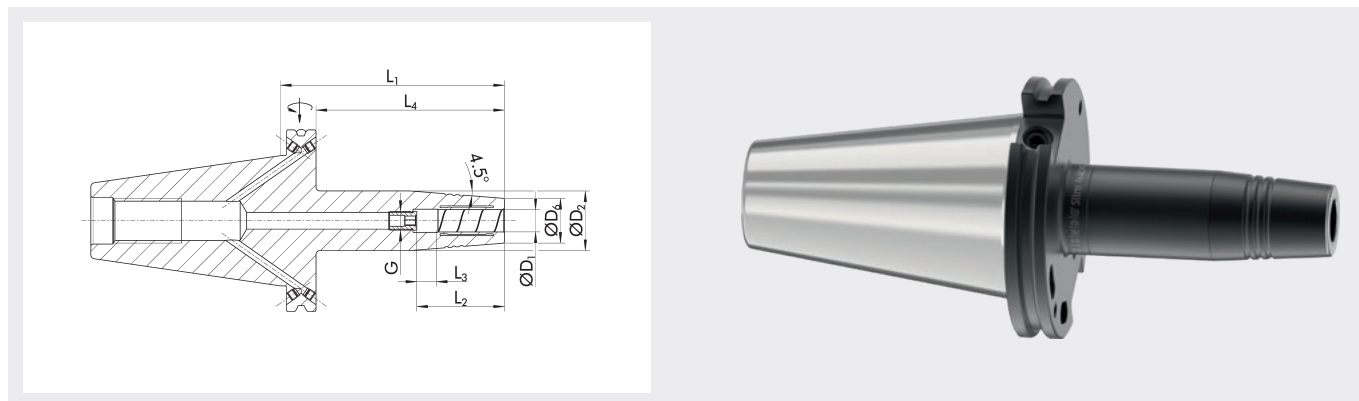
*Run-out accuracy: at 2.5 x D

*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SK 50 L₁ =120


Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1467923	6	27	21	120	36	10	100.9	M5	16	3	9205650
1467924	8	27	21	120	36	10	100.9	M6	23	3	9205650
1467925	10	32	24	120	43.2	10	100.9	M8x1	45	3.1	9205650
1467926	12	32	24	120	47	10	100.9	M10x1	90	3.1	9205650
1467927	16	34	27	120	50	10	100.9	M12x1	185	3.1	9205650
1467928	20	42	33	120	52	10	100.9	M16x1	330	3.4	9205650

*Run-out accuracy: at 2.5 x D

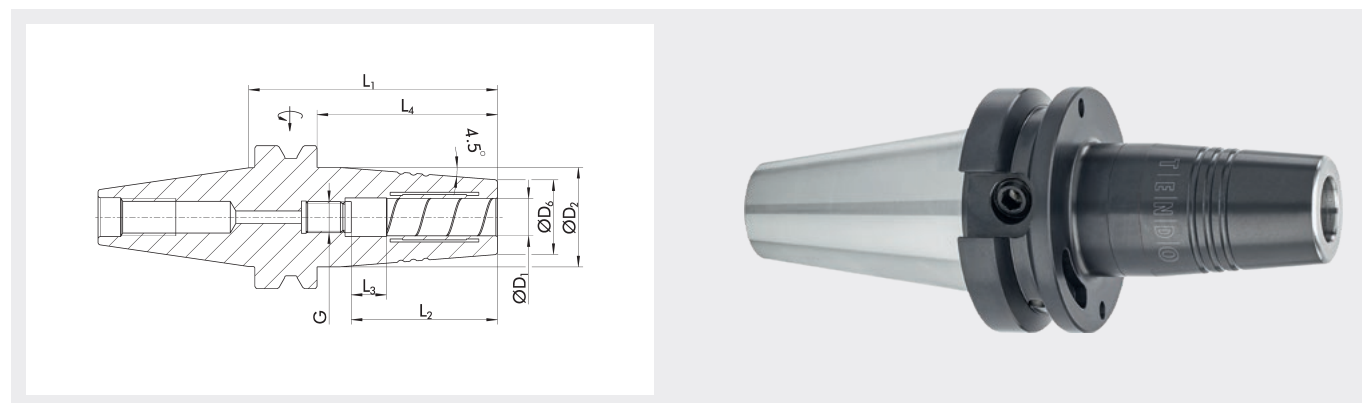
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax JIS-BT 30



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1442015	6	27	21	80	36	10	58	M5	16	0.6	9205650
1442016	8	27	21	80	36	10	58	M6	23	0.6	9205650
1442017	10	32	24	80	42	10	58	M8x1	45	0.6	9205650
1442018	12	32	24	80	47	10	58	M10x1	90	0.6	9205650
1442019	16	34	27	80	50	10	58	M12x1	185	0.6	9205650
1442020	20	42	33	90	52	10	68	M16x1	330	0.8	9205650

*Run-out accuracy: at 2.5 x D

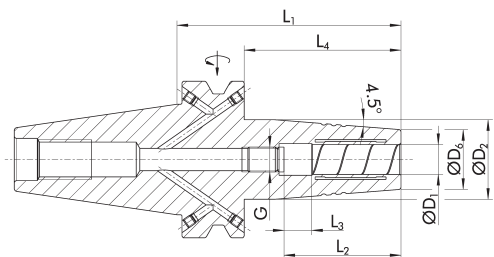
*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax JIS-BT 40



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1423076	6	27	21	90	36	10	63	M5	16	1.2	9205650
1423077	8	27	21	90	36	10	63	M6	23	1.2	9205650
1423078	10	32	24	90	42	10	63	M8x1	45	1.2	9205650
1423079	12	32	24	90	47	10	63	M10x1	90	1.2	9205650
1423080	16	34	27	90	50	10	63	M12x1	185	1.2	9205650
1423081	20	42	33	90	52	10	63	M16x1	330	1.3	9205650

*Run-out accuracy: at 2.5 x D

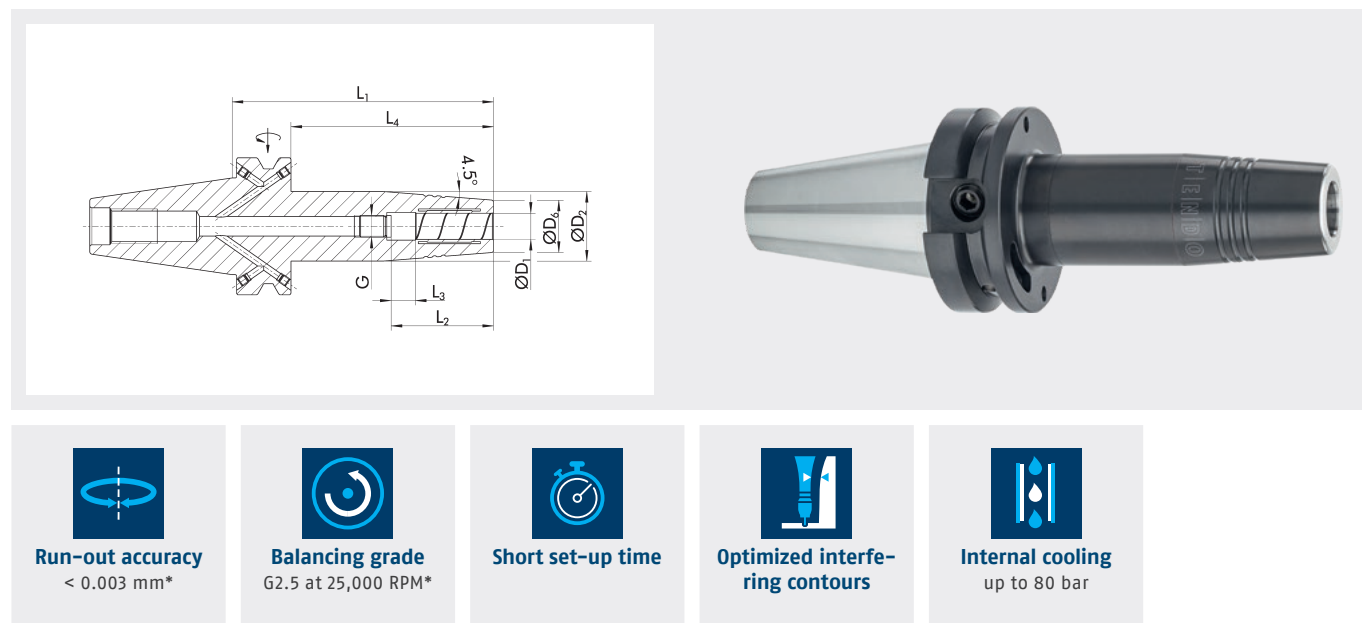
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax JIS-BT 40 L₁ =120



Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1423225	6	27	21	120	36	10	93	M5	16	1.3	9205650
1423226	8	27	21	120	36	10	93	M6	23	1.3	9205650
1423227	10	32	24	120	42	10	93	M8x1	45	1.4	9205650
1423228	12	32	24	120	47	10	93	M10x1	90	1.4	9205650
1423229	16	34	27	120	50	10	93	M12x1	185	1.4	9205650
1423230	20	42	33	120	52	10	93	M16x1	330	1.6	9205650

*Run-out accuracy: at 2.5 x D

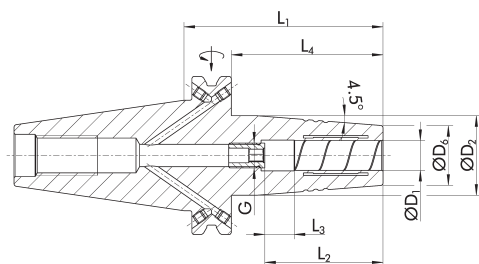
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax CAT 40



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1414691	6	27	21	80	36	10	60.95	M10x1	16	0.9	9205650
1414692	8	27	21	80	36	10	60.95	M10x1	23	0.9	9205650
1414693	10	32	24	80	42	10	60.95	M10x1	45	0.9	9205650
1414694	12	32	24	80	47	10	60.95	M10x1	90	0.9	9205650
1414695	16	34	27	80	50	10	60.95	M12x1	185	1	9205650
1414697	20	42	33	80	52	10	60.95	M16x1	330	1.2	9205650

*Run-out accuracy: at 2.5 x D

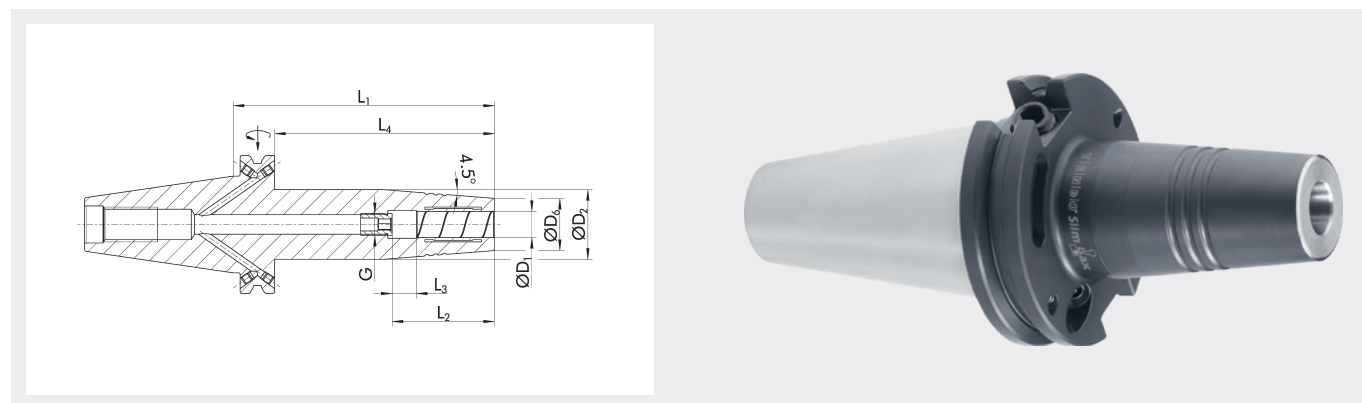
*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax CAT 40 L₁ =120



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1414702	6	27	21	120	36.5	10	100.95	M10x1	16	0.9	9205650
1414703	8	27	21	120	36.5	10	100.95	M10x1	23	0.9	9205650
1414704	10	32	24	120	42.5	10	100.95	M10x1	45	0.9	9205650
1414705	12	32	24	120	47	10	100.95	M10x1	90	0.9	9205650
1414706	16	34	27	120	50	10	100.95	M12x1	185	1	9205650
1414710	20	42	33	120	52	10	100.95	M16x1	330	1.2	9205650

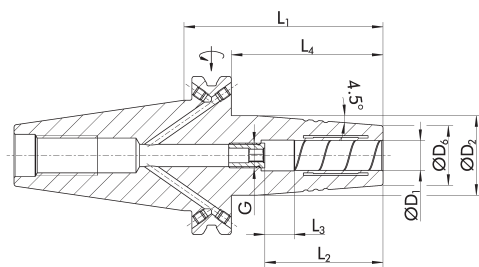
*Run-out accuracy: at 2.5 x D

*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax CAT 40 L₁ = 3.15"


Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [Inch]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1407720	1/4"	21.08	26.92	80.01	36.07	10	60.96	M5	17	0.9	9205650
1407721	3/8"	23.88	32	80.01	41.91	10	60.96	M8x1	45	1.05	9205650
1407722	1/2"	23.88	32	80.01	46.99	10	60.96	M10x1	95	1.2	9205650
1407723	5/8"	26.92	34.04	80.01	50.38	10	60.96	M12x1	185	1.3	9205650
1407724	3/4"	33.02	41.91	80.01	52.07	10	60.96	M16x1	310	1.4	9205650

*Run-out accuracy: at 2.5 x D

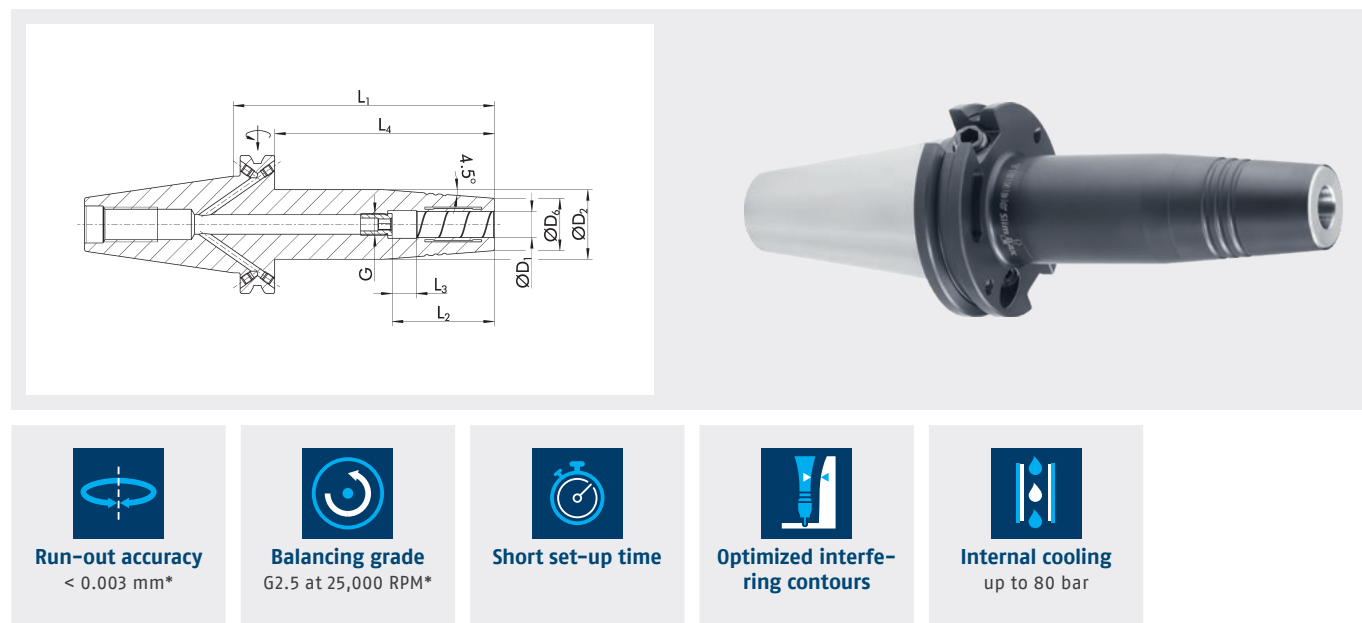
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax CAT 40 L₁ = 4.72"



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [Inch]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1407729	1/4"	26.92	21.08	119.89	36.07	10	100.84	M5	17	1.3	9205650
1407730	3/8"	32	23.88	119.89	41.91	10	100.84	M8x1	45	1.5	9205650
1407731	1/2"	32	23.88	119.89	46.99	10	100.84	M10x1	95	1.6	9205650
1407732	5/8"	34.04	26.92	119.89	50.38	10	100.84	M12x1	185	1.7	9205650
1407733	3/4"	41.91	33.02	119.89	52.07	10	100.84	M16x1	310	1.8	9205650

*Run-out accuracy: at 2.5 x D

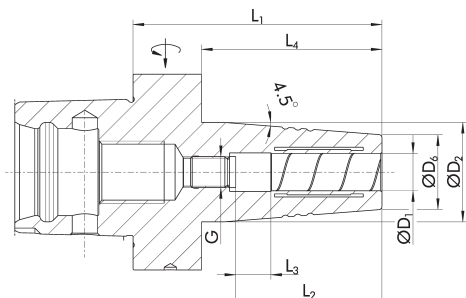
*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SCHUNK CAPTO C6



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1480912	6	27	21	80	36	10	58	M5	16	1	9205650
1480907	8	27	21	80	36	10	58	M6	23	1	9205650
1480908	10	32	24	80	42	10	58	M8x1	45	1	9205650
1480909	12	32	24	80	47	10	58	M10x1	90	1	9205650
1480910	16	34	27	85	50	10	63	M12x1	185	1.1	9205650
1480911	20	42	33	85	52	10	63	M16x1	330	1.2	9205650

*Run-out accuracy: at 2.5 x D

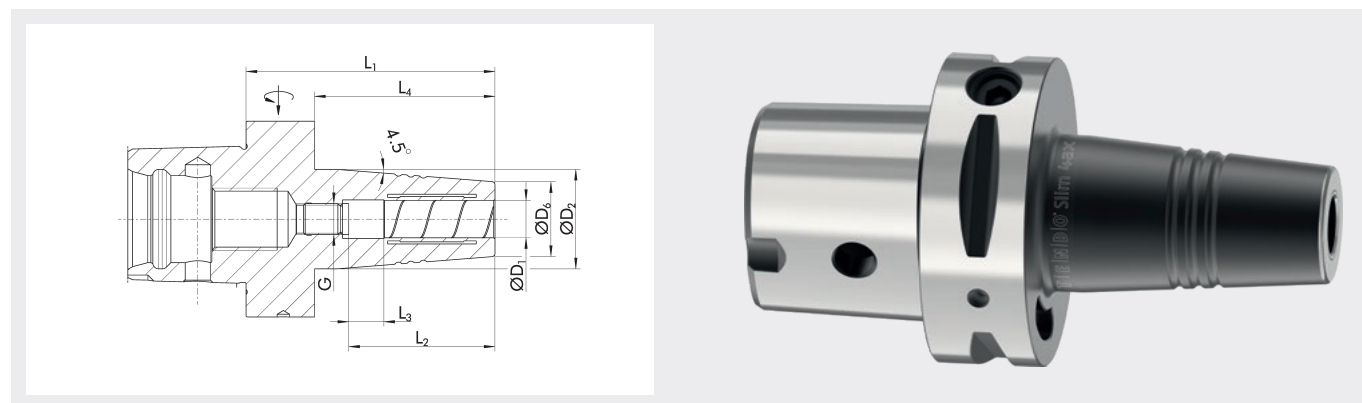
*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SCHUNK CAPTO C6



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1557336	6	27	21	80	36	10	58	M5	16	1	9205650
1584040	8	27	21	80	36	10	58	M6	23	1	9205650
1557337	10	32	24	80	42	10	58	M8x1	45	1	9205650
1584041	12	32	24	80	47	10	58	M10x1	90	1	9205650
1584042	16	34	27	85	50	10	63	M12x1	185	1.1	9205650
1541789	20	42	33	85	52	10	63	M16x1	330	1.2	9205650

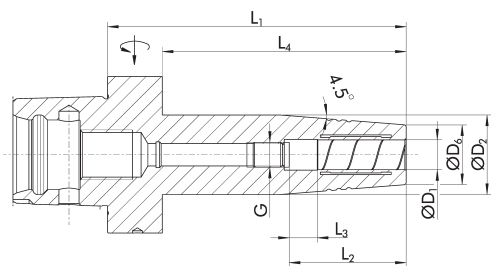
*Run-out accuracy: at 2.5 x D

*Balancing grade: or Umax < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SCHUNK CAPTO C6 L₁ = 120


Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1480913	6	27	21	120	36	10	98	M5	16	1.2	9205650
1480914	8	27	21	120	36	10	98	M6	23	1.2	9205650
1480915	10	32	24	120	42	10	98	M8x1	45	1.3	9205650
1480916	12	32	24	120	47	10	98	M10x1	90	1.2	9205650
1480917	16	34	27	120	50	10	98	M12x1	185	1.3	9205650
1480918	20	42	33	120	52	10	98	M16x1	330	1.5	9205650

*Run-out accuracy: at 2.5 x D

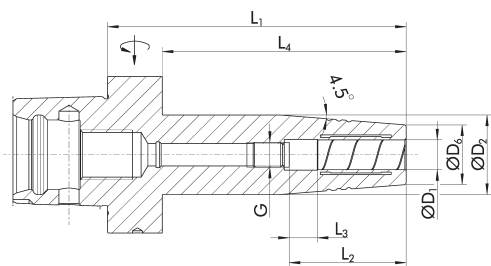
*Balancing grade: or U_{max} < 1 gmm

Additional sizes and customized designs are available upon request

Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves

TENDO Slim 4ax SCHUNK CAPTO C6 L₁ = 120



Run-out accuracy
< 0.003 mm*



Balancing grade
G2.5 at 25,000 RPM*



Short set-up time



Optimized interfering contours



Internal cooling
up to 80 bar

Technical data

ID	D1 [mm]	D2 [mm]	D6 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	Mmin [Nm]	Weight [kg]	
1572739	16	34	27	120	50	10	98	M12x1	185	1.3	9205650
1541800	20	42	33	120	52	10	98	M16x1	330	1.5	9205650
1584043	6	27	21	120	36	10	98	M5	16	1.2	9205650
1584044	8	27	21	120	36	10	98	M6	23	1.2	9205650
1584045	10	32	24	120	42	10	98	M8x1	45	1.3	9205650
1584047	12	32	24	120	47	10	98	M10x1	90	1.2	9205650

*Run-out accuracy: at 2.5 x D

*Balancing grade: or U_{max} < 1 gmm

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Cool Flow available on request

Additional shank diameters can be clamped using intermediate sleeves



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