









About Atlings Maskinfabrik AB

Atlings Maskinfabrik AB was founded in 1947. It's an independent company in the Group Inducore. The company's success is based on it's technical excellence, world-class manufacturing and collaboration with qualified distributors world wide.

Atlings have been producing Steady Rests since 1976. Thanks to Atlings modern machine park we are able to manufacture all the parts for the Atling Steady Rest with high quality and precision. The dedicated market for the companies product are automotive, aerospace, railways, energy and industrial markets.

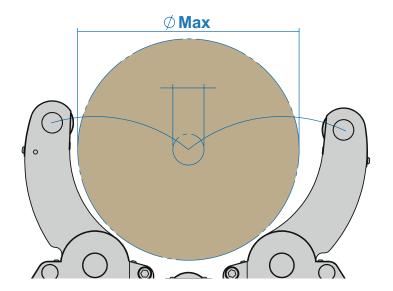
The close cooperation between our engineers and the costumer, creates a quick response to our distributor, and is the key to find the best possible solution. That is a special strength that Atlings is proud of.

Over the years, Atlings have made a wide range of special designs to fulfill their customers' needs and desires.

The Atling products are engineered and manufactured in Sweden and sold by a world wide sales and marketing organization.

PART OF (inducore

Gripping Range



Slim design

Atling size (AX4I-AX11I) comparison competitors.



Gripping Range AX-series (mm)

Model	AX1	AX2	АХЗ	AX4	AX5	AX6	AX7	AX8	AX8,5	AX8,7	AX9	AX10	AX11
Gripping range	6-70	8-105	12-125	12-160	20-200	30-255	45-320	85-360	100-430	140-470	100-510	250-680	450-870

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Gripping Range S-series (mm)

Model	
Gripping range	

AS6	A57	AS8		
30-255	45-320	85-360		

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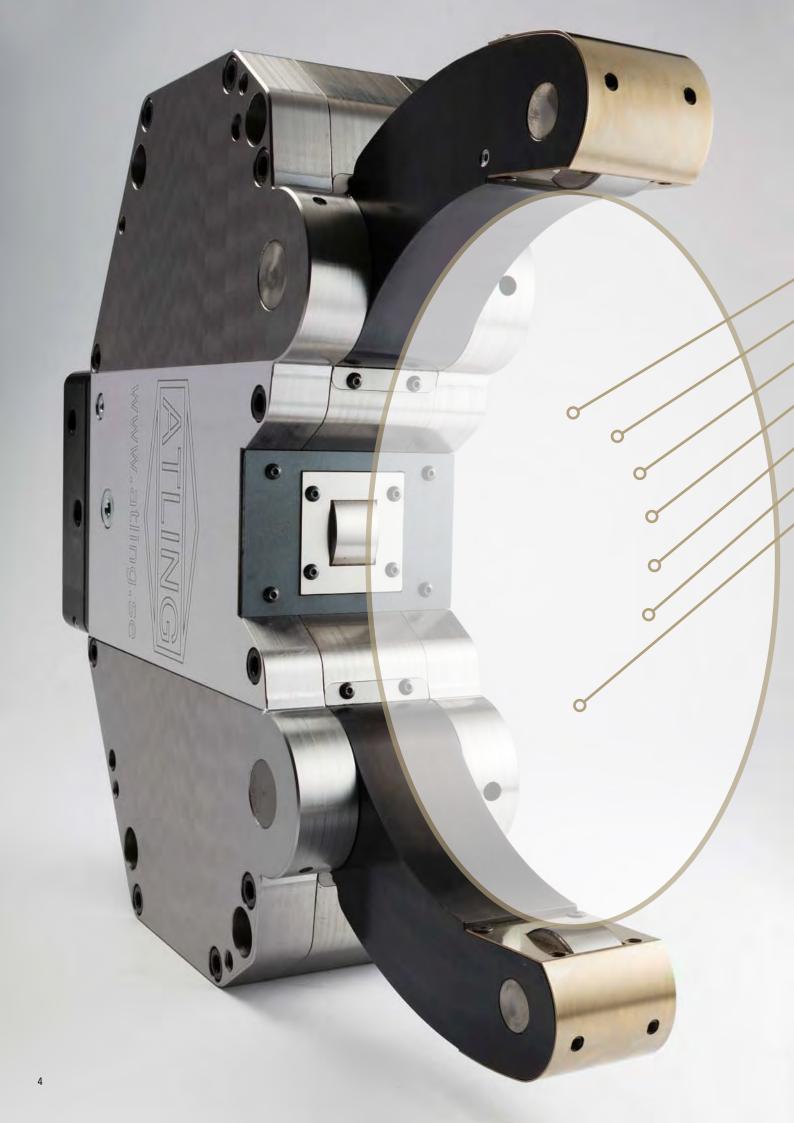
Gripping Range N-series (mm)

Model	
Gripping range	l

AN1	AN2	AN3	AN4		
6-70	8-105	12-125	12-160		

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Order configuration code AX/AS/AN: Model serie. (AS only 6, 7 and 8) **Model Size:** 1 - 11 (according to list) **Cylinder type: E** = External Cylinder I = Internal Cylinder **Swing Away:** \mathbf{N} = No swing away **U** = Swing away Upper arm **L** = Swing away Lower arm **B** = Swing away Both arms **Lubrication Type: A** = Automatic **M** = Manual **Lubricant: O** = Oil **G** = Grease **Roller type: S** = Standard **C** = Cambered



Why you need Steady Rest from Atling

- When you have long shaft turning
- When you need to have the work piece centered
- To give support at several positions
- To extreme work piece length
- To hold the work piece
- For slim and heavy work piece
- Tailor made Special Steady Rest

Advantage Atling

- 1) Swing away arm: Upper, lower or both
- 2 Keep the same gripping range
- **3** Flexibility to convert to swing away
- 4 Flexibility to convert the external to internal
- 5 Space reduce with the innovation AXI series
- **6** Slim fit design

AXI series, the next generation Steady Rest

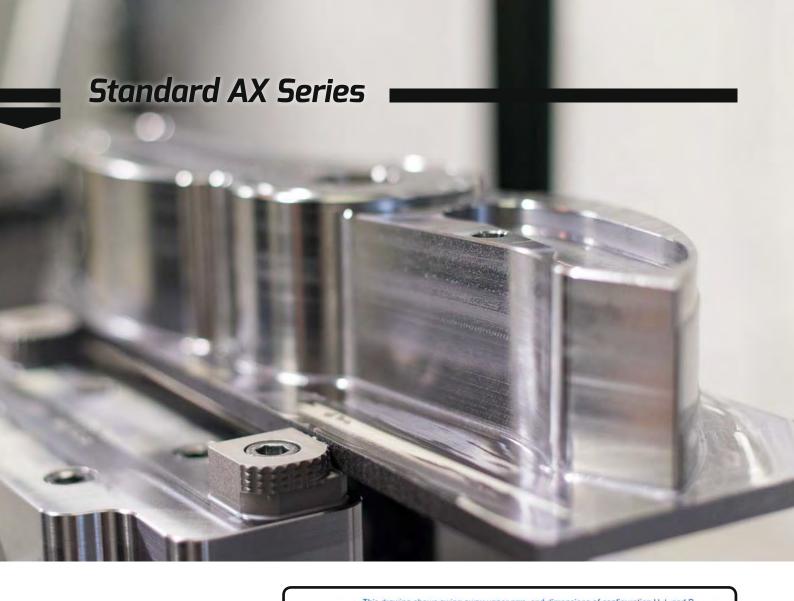
To be able to have a slimmer and more compact series Atling developed the new AXI model which is the latest innovation for the Steady Rest. AXI = internal cylinder give Atling more opportunities to fit when the space is limited and still need a big clamping size.

Swing Away Arm comes in AX and AXI series Innovation for the swing away arm is compatible with all AX1-AX11 Series. You can decide to have swing away on upper, lower or

both arms, and still keep the same gripping range. Atling AX series Steady Rest can be upgraded from AXE series to an AXI series model, including a Swing Away arm. Atling Steady Rests standard models come from AX1E to AX11E and from AX4I to AX11I.

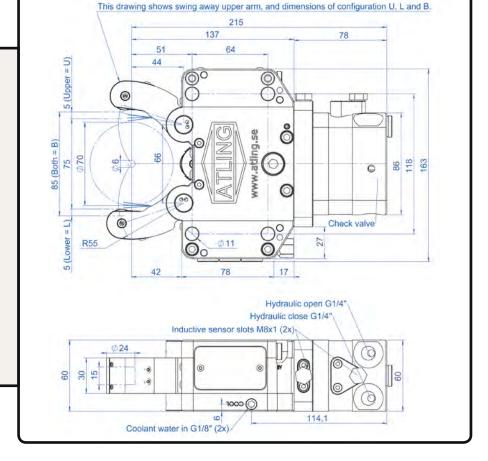
The overall usage

The Atling Steady Rest are used in many different industry sectors such as the automobile, aerospace, rail, energy and general industry.

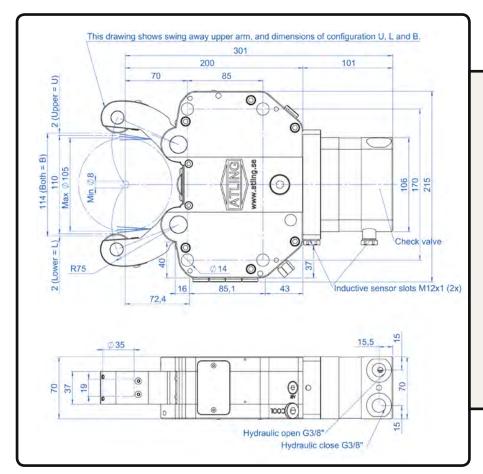


AX1E

Gripping range 6-70 mm Total max gripping force 300 daN Max peripheral roller speed 730 m/min Centering accuracy* 0,02 mm Repeatability 0,005 mm 10 bar Min operating pressure Max operating pressure 25 bar Weight 8 kg Mounting holes** Same as SLU-1

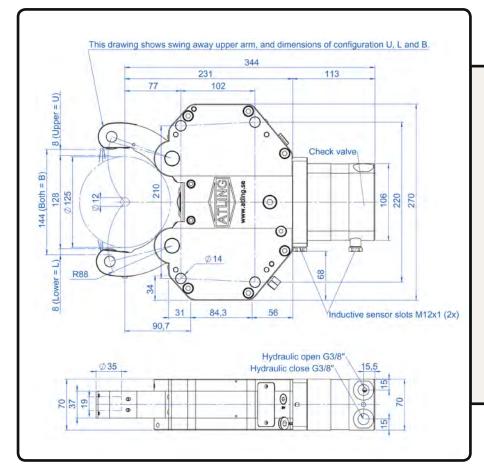


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AX2E

Gripping range 8-105 mm Total max gripping force 1200 daN Max peripheral rollerspeed 930 m/min Centering accuracy* 0.02 mm Repeatability 0.005 mm Min operating pressure 10 bar Max operating pressure 60 bar 17 kg Weight Mounting holes** Same as SLU-2

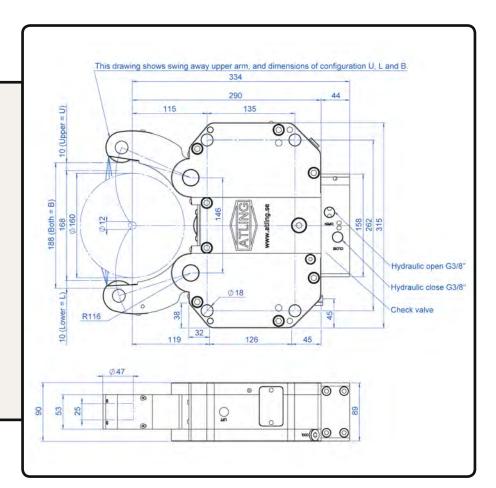


AX3E

Gripping range	12-125 mm
Total max gripping force	1200 daN
Max peripheral rollerspeed	930 m/min
Centering accuracy*	0.04 mm
Repeatability	0.005 mm
Min operating pressure	10 bar
Max operating pressure	60 bar
Weight	23 kg
Mounting holes**	N/A

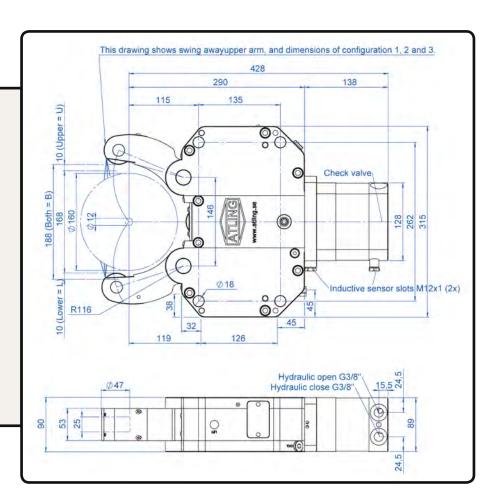
AX4I

Built-in pressure amplifie 12-160 mm Gripping range Total max gripping force 3500 daN Max peripheral rollerspeed 805 m/min Centering accuracy* 0.04 mm Repeatability 0.005 mm 20 bar Min operating pressure Max operating pressure 70 bar Weight 45 kg Mounting holes** Same as SLU-3

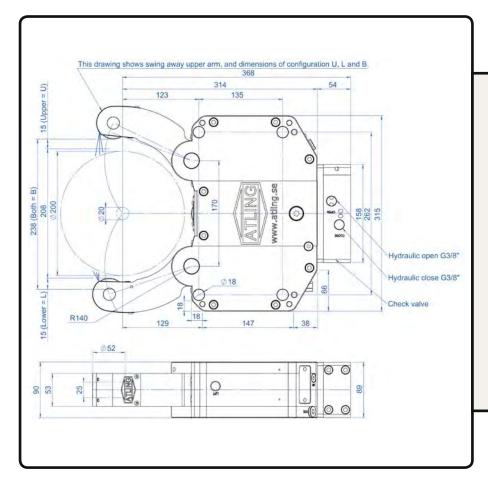


AX4E

12-160 mm Gripping range 3500 daN Total max gripping force Max peripheral rollerspeed 805 m/min Centering accuracy* 0.04 mm Repeatability 0.005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 45 kg Mounting holes** Same as SLU-3

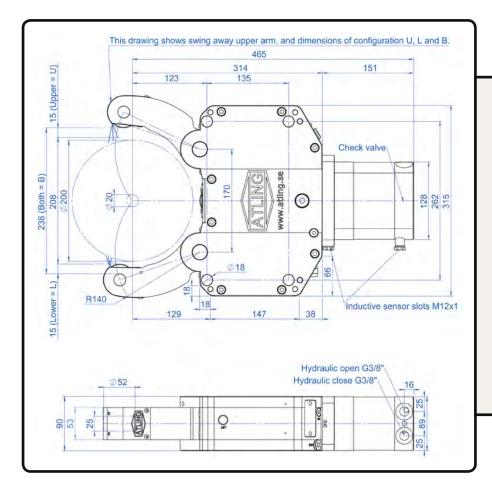


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AX5I

Built-in pressure amplifie 20-200 mm Gripping range Total max gripping force 3500 daN Max peripheral rollerspeed 890 m/min 0.06 mm Centering accuracy* Repeatability 0.005 mm 20 bar Min operating pressure Max operating pressure 70 bar 48 kg Weight Mounting holes** Same as SLU-3.1

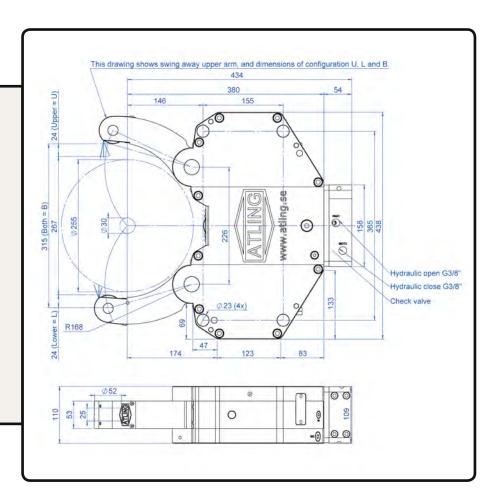


AX5E

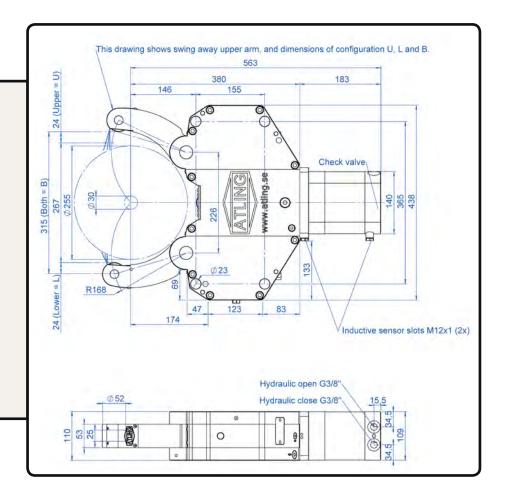
Gripping range 20-200 mm 3500 daN Total max gripping force 890 m/min Max peripheral rollerspeed Centering accuracy* 0.06 mm Repeatability 0.005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 48 kg Same as SLU-3.1 Mounting holes**

AX6I

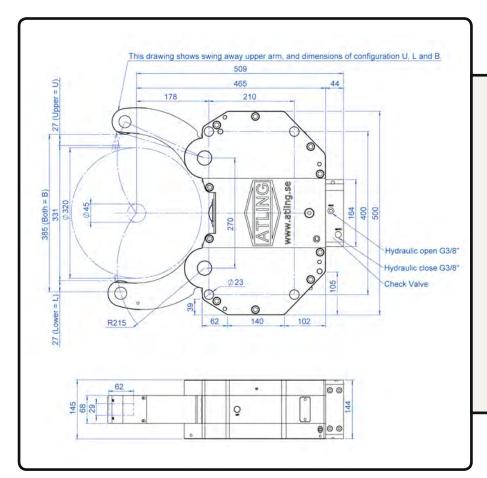
Built-in pressure amplifie 30-255 mm Gripping range Total max gripping force 4500 daN Max peripheral roller speed 890 m/min Centering accuracy* 0,04 mm Repeateability 0,005 mm 20 bar Min operating pressure Max operating pressure 70 bar 73 kg Weight Mounting holes** N/A



30-255 mm Gripping range Total max gripping force 4500 daN Max peripheral roller speed 890 m/min Centering accuracy* 0,04 mm Repeateability 0,005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 83 kg N/A Mounting holes**

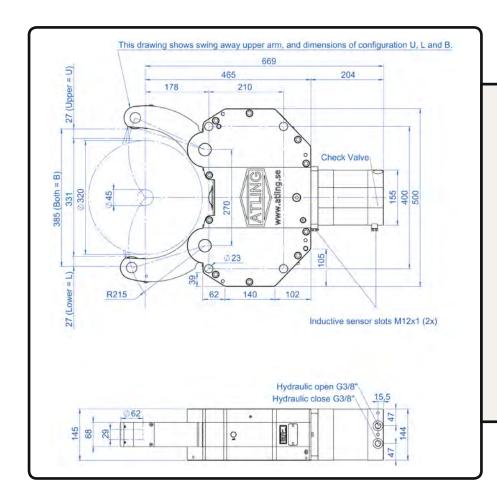


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AX7I

Built-in pressure amplifie 45-320 mm Gripping range Total max gripping force 5500 daN Max peripheral roller speed 655 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm 20 bar Min operating pressure Max operating pressure 70 bar Weight 148 kg Mounting holes** N/A

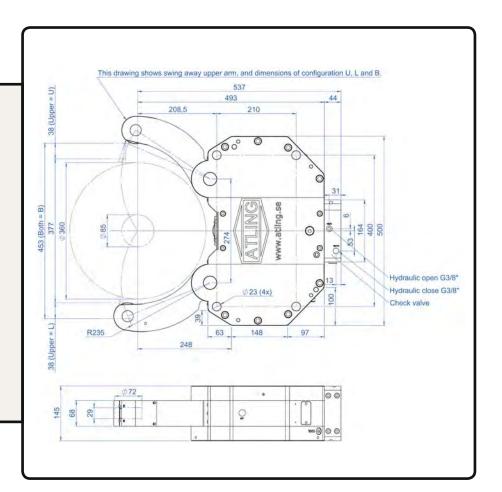


AX7E

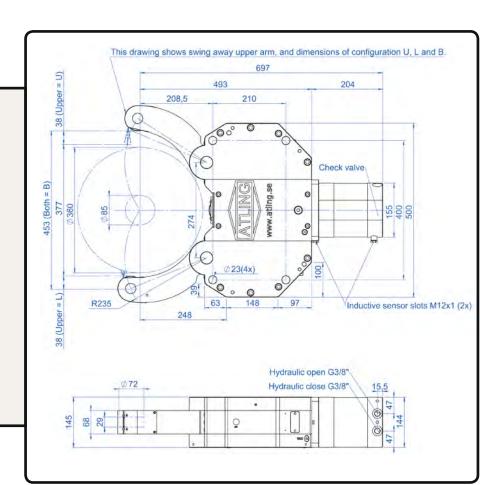
Gripping range	45-320 mr
Total max gripping force	5500 daN
Max peripheral roller speed	655 m/mir
Centering accuracy*	0,06 mm
Repeatability	0,005 mm
Min operating pressure	10 bar
Max operating pressure	70 bar
Weight	158 kg
Mounting holes**	N/A

AX8I

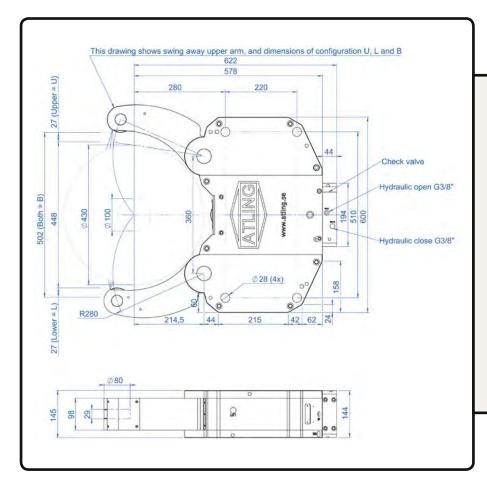
Built-in pressure amplifie 85-360 mm Gripping range Total max gripping force 5500 daN Max peripheral roller spee 765 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm Min operating pressure 20 bar Max operating pressure 70 bar 143 kg Weight Mounting holes N/A



85-360 mm Gripping range Total max gripping force 5500 daN Max peripheral roller spee 765 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 156 kg N/A Mounting holes

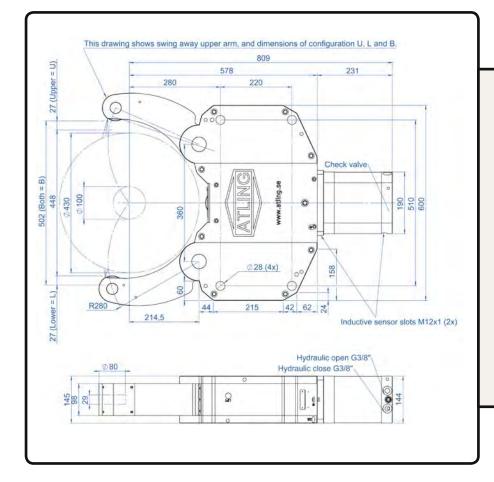


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AX8.51

Built-in pressure amplifie 100-430 mm Gripping range Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,06 mm Repeatability 0,01 mm 20 bar Min operating pressure Max operating pressure 60 bar Weight 195 kg Mounting holes N/A

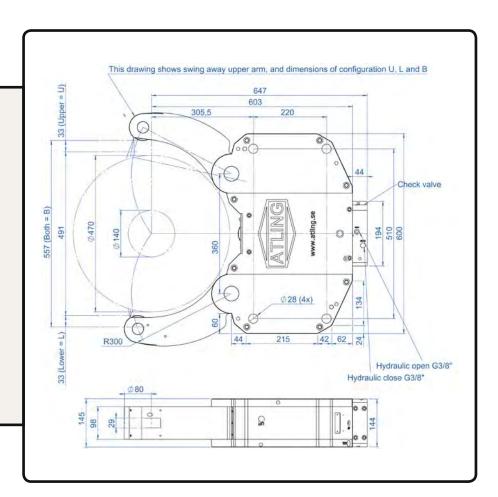


AX8.5E

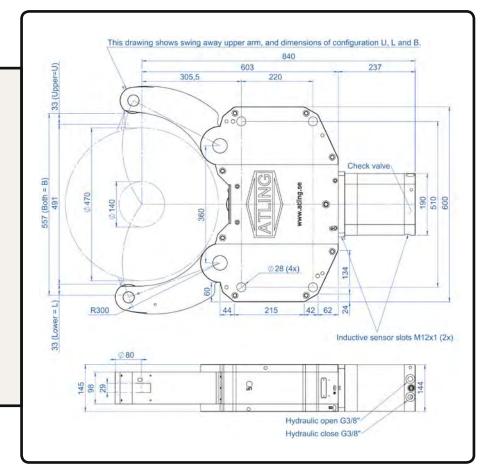
Gripping range 100-430 mm Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,06 mm Repeatability 0,01 mm 10 bar Min operating pressure 60 bar Max operating pressure Weight 234 kg N/A Mounting holes

AX8.71

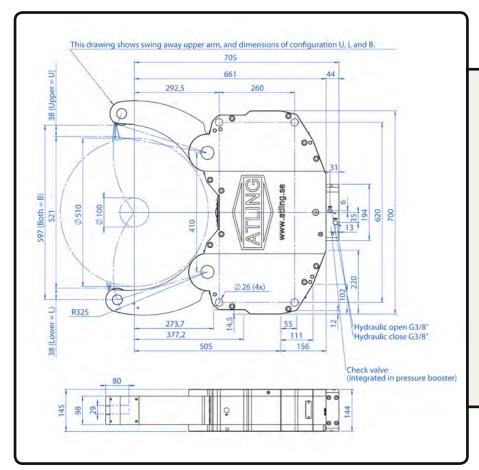
Built-in pressure amplifie 140-470 mm Gripping range Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,06 mm Repeatability 0,01 mm 20 bar Min operating pressure Max operating pressure 60 bar 234 kg Weight Mounting holes Adapter plate needed



140-470 mm Gripping range Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,06 mm Repeatability 0,01 mm 10 bar Min operating pressure 60 bar Max operating pressure Weight 234 kg Mounting holes Adapter plate needed

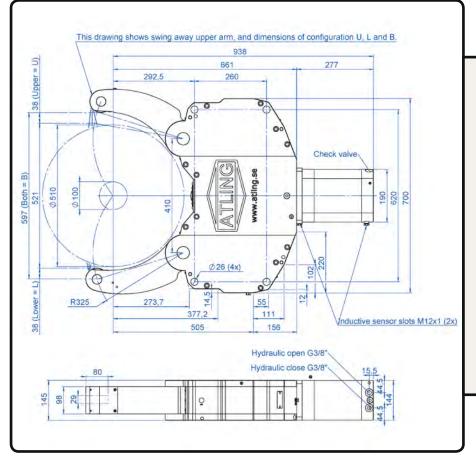


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AX9I

Built-in pressure amplifie 100-510 mm **Gripping Range** Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,10 mm Repeatability 0,02 mm 20 bar Min operating pressure Max operating pressure 60 bar 252 kg Weight Mounting holes Adapter plate needed

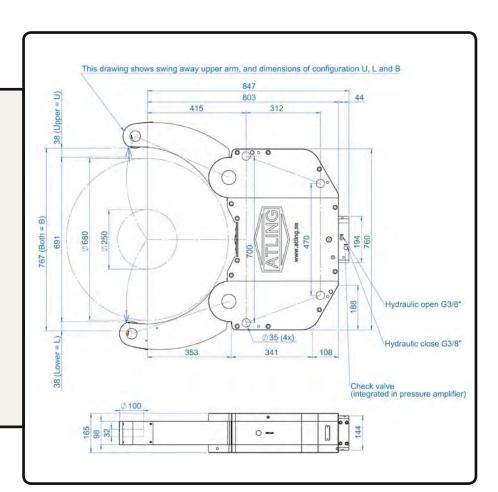


AX9E

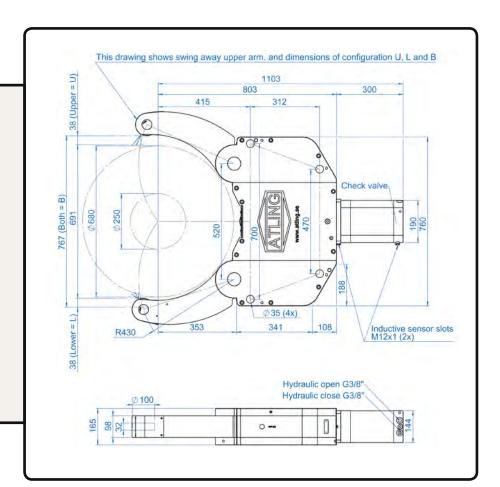
Gripping Range 100-510 mm Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,10 mm Repeatability 0,02 mm 10 bar Min operating pressure 60 bar Max operating pressure Weight 280 kg Mounting holes Adapter plate needed

AX10I

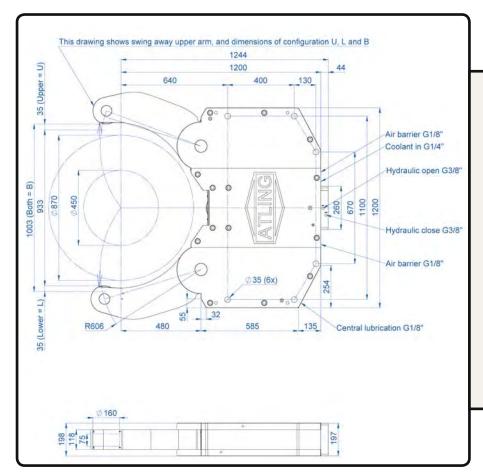
Built-in pressure amplifie 250-680 mm **Gripping Range** Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,10 mm Repeatability 0,02 mm 20 bar Min operating pressure Max operating pressure 60 bar Weight 370 kg Mounting holes N/A



Gripping Range 250-680 mm Total max gripping force 6800 daN Max peripheral roller speed 685 m/min Centering accuracy* 0,10 mm Repeatability 0,02 mm 10 bar Min operating pressure 60 bar Max operating pressure Weight 395 kg N/A Mounting holes

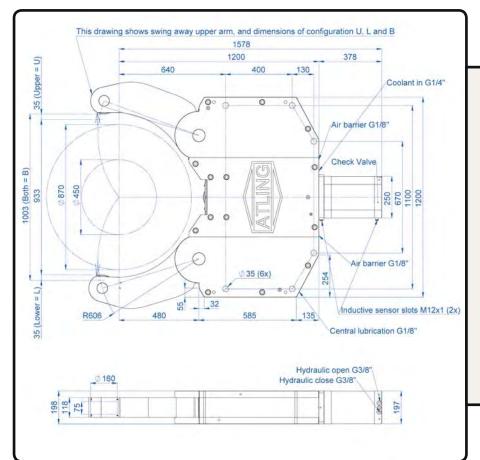


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AX11I

Built in pressure amplifie 450-870 mm Gripping range Total max gripping force 9200 daN Max peripheral rollerspeed 457 m/min Centering accuracy* 0.20 mm Repeatability 0.02 mm Min operating pressure 20 bar Max operating pressure 60 bar 1337 kg Weight Mounting holes N/A

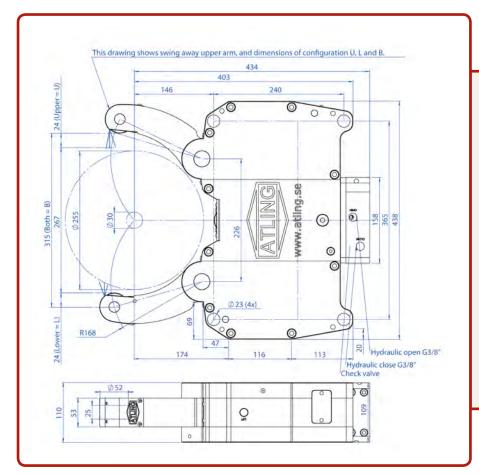


AX11E

Gripping range	450-870 mm
Total max gripping force	9200 daN
Max peripheral rollerspeed	457 m/min
Centering accuracy*	0.20 mm
Repeatability	0.02 mm
Min pressure	10 bar
Max operating pressure	60 bar
Weight	1421 kg
Mounting holes	N/A

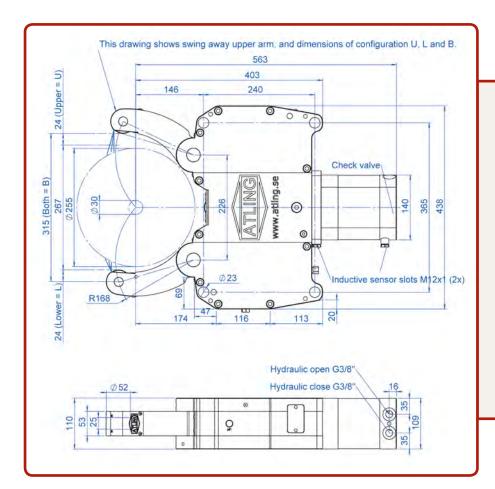






AS61

Built-in pressure amplifie 30-255 mm Gripping range Total max gripping force 4500 daN Max peripheral roller speed 890 m/min Centering accuracy* 0,04 mm Repeateability 0,005 mm Min operating pressure 20 bar Max operating pressure 70 bar Weight 83 kg Mounting holes** Same as SLU-4

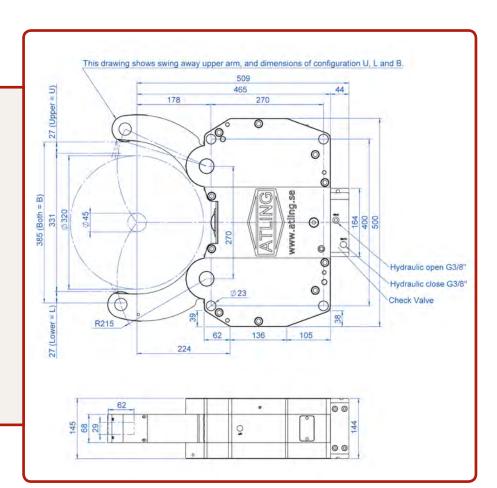


AS6E

Gripping range 30-255 mm 4500 daN Total max gripping force Max peripheral roller speed 890 m/min Centering accuracy* 0,04 mm Repeateability 0,005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 92 kg Mounting holes** Same as SLU-4

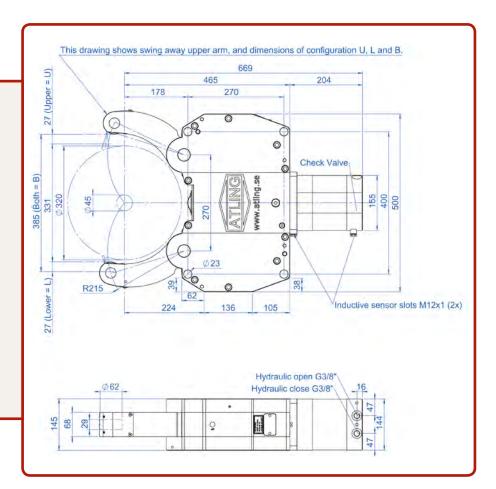
A571

Built-in pressure amplifie 45-320 mm Gripping range Total max gripping force 5500 daN Max peripheral roller speed 655 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm 20 bar Min operating pressure Max operating pressure 70 bar 149 kg Weight Mounting holes** Same as SLU-5

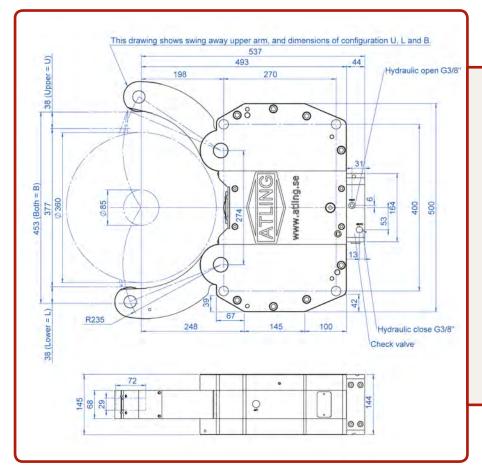


AS7E

45-320 mm Gripping range 5500 daN Total max gripping force Max peripheral roller speed 655 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 165 kg Same as SLU-5 Mounting holes**

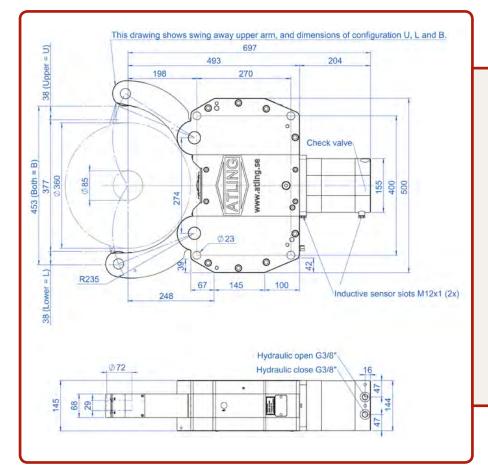


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AS8I

Built-in pressure amplifie 85-360 mm Gripping range Total max gripping force 5500 daN Max peripheral roller spee 765 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm 20 bar Min operating pressure Max operating pressure 70 bar 150 kg Weight Mounting holes** Same as SLU-5.1

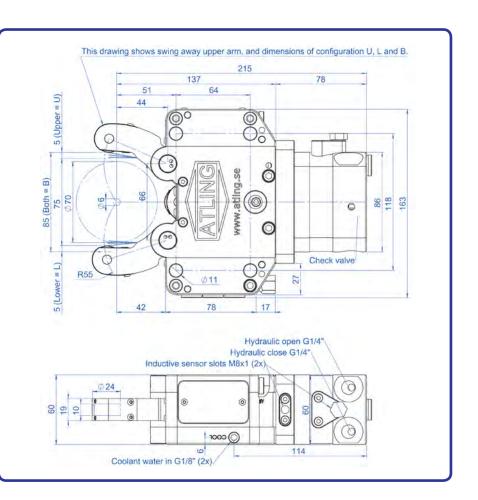


AS8E

Gripping range 85-360 mm 5500 daN Total max gripping force Max peripheral roller spee 765 m/min Centering accuracy* 0,06 mm Repeatability 0,005 mm 10 bar Min operating pressure 70 bar Max operating pressure Weight 163 kg Same as SLU-5.1 Mounting holes**

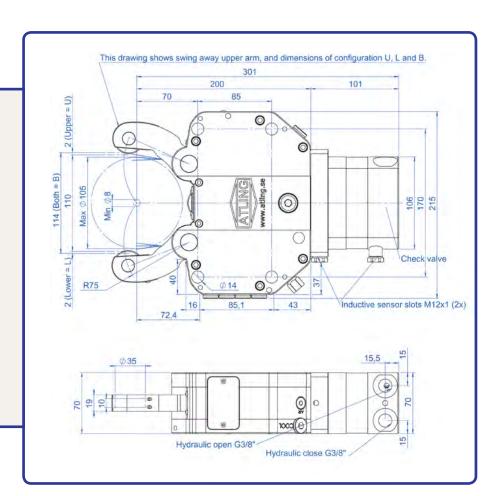
AN1E

6-70 mm Gripping range 190 daN Total max gripping force Max peripheral roller speed 730 m/min Centering accuracy* 0,02 mm Repeatability 0,005 mm Min operating pressure 10 bar Max operating pressure 15 bar Weight 8 kg Mounting holes** Same as SLU-1

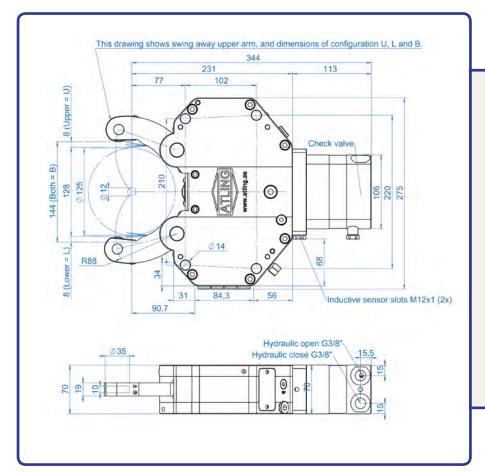


AN2E

8-105 mm Gripping range 590 daN Total max gripping force Max peripheral rollerspeed 930 m/min Centering accuracy* 0.02 mm Repeatability 0.005 mm 10 bar Min operating pressure 30 bar Max operating pressure Weight 17 kg Same as SLU-2 Mounting holes**

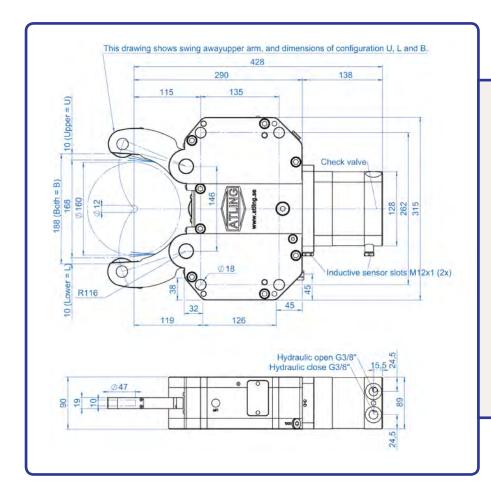


^{*}At constant pressure and clamping force, 20 bar.
** Note: Same hole pattern, can interfere on the bracket. Check drawings.



AN3E

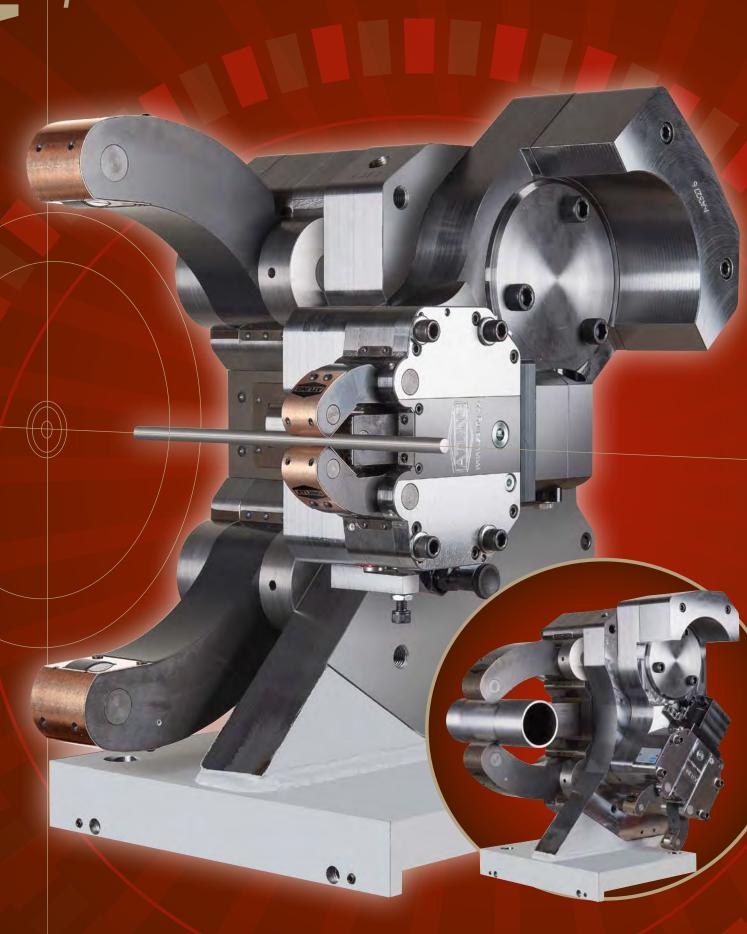
Gripping range 12-125 mm 590 daN Total max gripping force Max peripheral rollerspeed 930 m/min Centering accuracy* 0.04 mm Repeatability 0.005 m Min operating pressure 10 bar Max operating pressure 30 bar Weight 23 kg Mounting holes** N/A



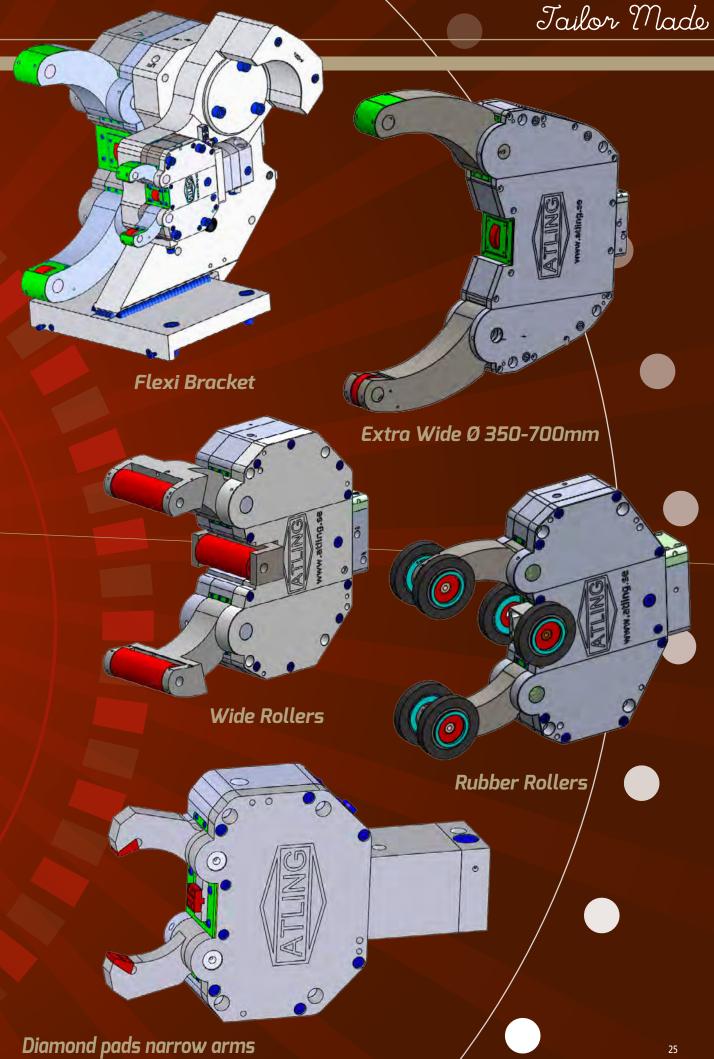
AN4E

Gripping range 12-160 mm Total max gripping force 1500 daN Max peripheral rollerspeed 805 m/min Centering accuracy* 0.04 mm Repeatability 0.005 mm 10 bar Min operating pressure 30 bar Max operating pressure Weight 45 kg Mounting holes** Same as SLU-3

Special Tailor Made



For more information about Tailor Made solutions, please contact Atlings on e-mail adress: steadyrest@atling.se





Wiper

Wiper to remove dirt and chips from workpiece.

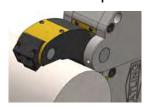
Standard work piece wiper seals.



Atling SteadyRest can also be equipped with a standard wiper seal. The wiper seals have the same diameter and is fitted on the arm.

Manual adjustable.

Resilient work piece wiper seal.



Resilient work piece follow the work piece diameter and do not need to be adjusted. Note that the minimum diameter can be increased when using this seal.

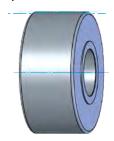
Find the right part number.

Model
Standard
Resilient

	AX1	AX2	AX3	AX4	AX5	AX6	AX7	AX8	AX8,5	AX8,7	AX9	AX10	AX11
ď	A51001	A51002	A51002	A51004	A51005	A51005	A51007	A51008	A51009	A51009	A51009	A51010	A51011
ıt		A50002	A50002	A50004	A50005	A50005	A50007	A50008	A50009	A50009	A50009	A50010	A50011

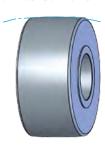
Atling Steady Rest roller

Cylindrical Roller



Used to hold the work piece. This type of roller have nearly a plain surface, and therefore this is standard when the Steady Rest is fixed during the processing.

Cambered Roller



Used for traveling Steady Rest with the work piece. This type of roller have a convex surface, and is usually used when the Steady Rest is moving along the work piece during the process.

Find the right part number.

Model
Cylindrical
Cambered

	1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
:al	A5055044	A5055040	A5055040	A5055014	A5055026	A5055026	A5055005	A5055008	A5055017	A5055017	A5055017	A5551310	A5551311
ed	A5055050	A5551203	A5551203	A5551204	A5551205	A5551205	A5551207	A5551208	A5551209	A5551209	A5551209	A5551210	A5551211

Swing Away

Swing Away option if you need the arms to open an extra amount when changeing the work piece. The Swing Away can be applied to either the upper, the lower, or both arms. What ever you choose, the size for the Steady Rest will have the same gripping range.

Track Plate



Track Plate Swing



Find the right part number.

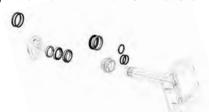
Model
Standard Swing Away
Swing Away

	AX1	AX2	АХЗ	AX4	AX5	AX/AS6	AX/AS7	AX/AS8	AX8,5	AX8,7	AX9	AX10	AX11
d	A43007	A42932	A42973	A42981	A42946	A42875	A42895	A42989	A43160	A30941	A42899	A43227	A43241
ау	A43006	A42933	A42972	A42982	A42947	A42874	A42896	A42988	A43161	A30942	A42898	A43228	A43242

Seal Kit Cylinder

Seal Kit Cylinder for AXI- and ASI-models

Seal Kit Cylinder for AXE- and ASE-models





Find the right part number.

Model AXI/ASI AXE/ASE

1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
			A5550412	A5550512	A5550612	A5550712	A5550812	A5550912	A5550912	A5550912	A5551012	A5551112
A5550102	A5550202	A5550302	A5550402	A5550502	A5550602	A5550702	A5550802	A5550902	A5550902	A550902	A5551002	A5551102

Mini Booster Kit/Mini Booster

Seal Kit for Mini Booster





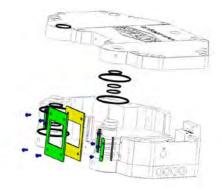


Find the right part number.

Mini Booster Seal Kit for Mini Booster

1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
			A5235034									
			A5550506	A5550506	A5550606							

Seal Kit House



Find the right part number.

Model AXI/ASI AXE/ASE

	1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
				A5550401	A5550501	A5550601	A5550701	A5550801	A5550901	A5550901	A5550901	A5551001	A5551101
:	A5550101	A5550201	A5550301	A5550401	A5550501	A5550601	A5550701	A5550801	A5550901	A5550901	A5550901	A5551001	A5551101

Shafts Kit



Find the right part number.

Model
AXI/ASI
AXE/ASE

1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
			A5550405	A5550505	A5550605	A5550705	A5550805	A5550905	A5550905	A5550905	A5551005	A5551105
A5550105	A5550205	A5550305	A5550405	A5550505	A5550605	A5550705	A5550805	A5550905	A5550905	A5550905	A5551005	A5551105

Rollers Kit



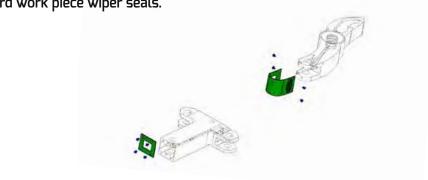
Find the right part number.

Model AXI/ASI AXE/ASE

	1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
				A5550404	A5550504	A5550604	A5550704	A5550804	A5550904	A5550904	A5550904	A5551004	A5551104
≣	A5550104	A5550204	A5550304	A5550404	A5550504	A5550604	A5550704	A5550804	A5550904	A5550904	A5550904	A5551004	A5551104

Wipers Kit

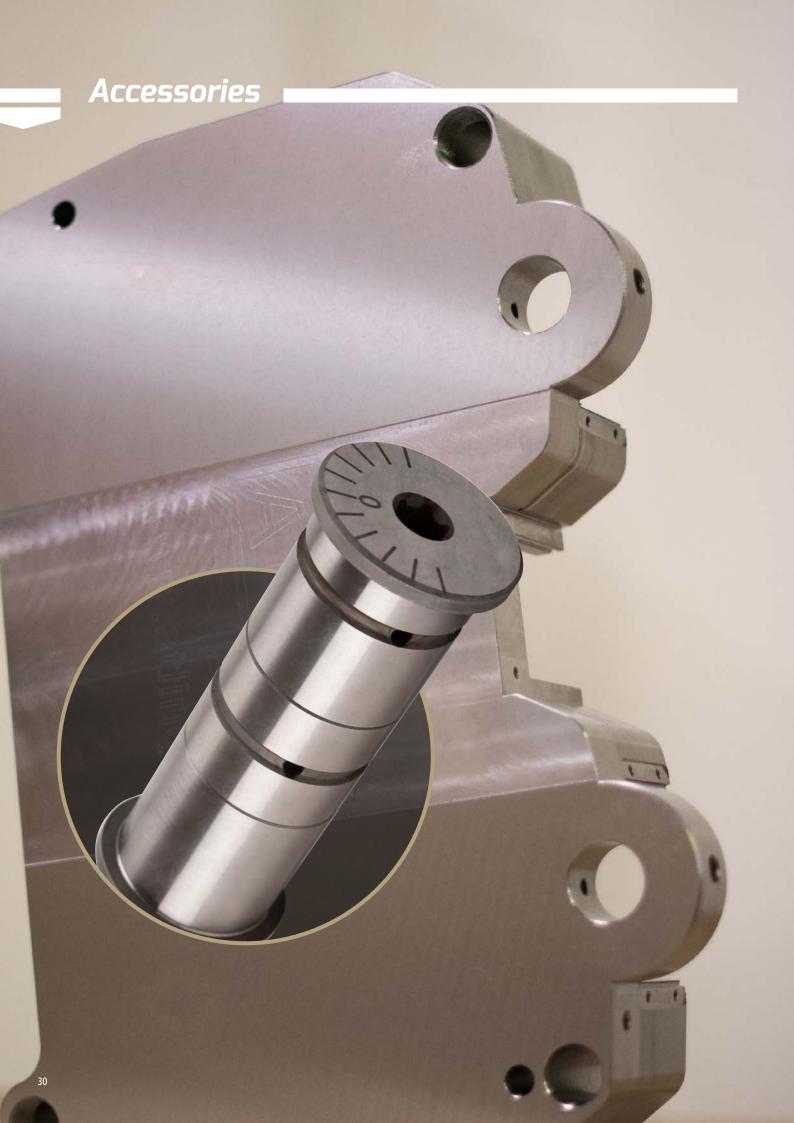
Standard work piece wiper seals.



Find the right part number.

Model AXI/ASI AXE/ASE

1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
			A5550403	A5550503	A5550603	A5550703	A5550803	A5550903	A5550903	A5550903	A5551003	A5551103
A5550103	A5550203	A5550303	A5550403	A5550503	A5550603	A5550703	A5550803	A5550903	A5550903	A5550903	A5551003	A5551103



Bracket

Atling can offer you a bracket. It will be unique for each particular machine.





Adapter plate

Atling can offer you an adapter plate. The adapter plate differs depending on the bracket.





Eccentric Fine Adjustment Kit

Eccentric roller pins on the arms allowed a quick fine adjustment of the center line.

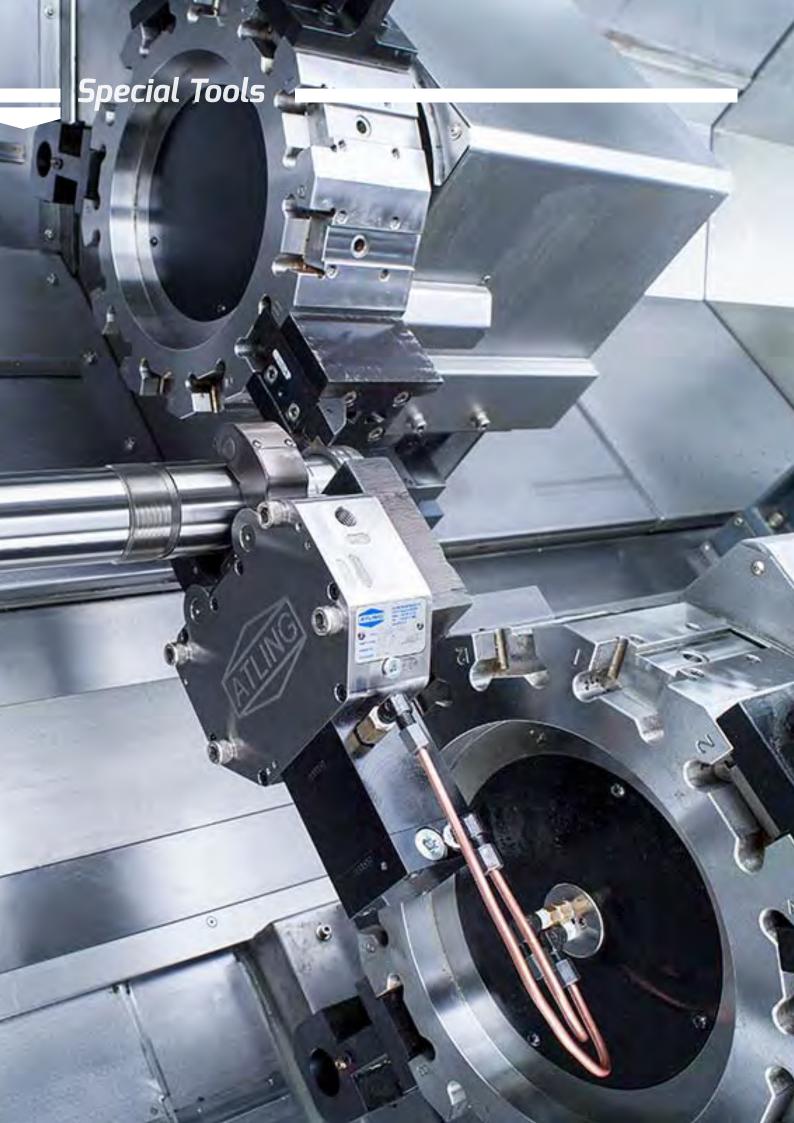


In line filter

Minimize the risk of foreign particles in the hydraulic system that could damage the booster, and provide steady rest longer lifetime.

Part Number: A5065306



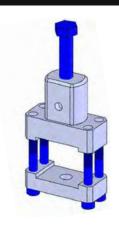


Mini Booster Tool

Part Number: A43262



Shaft Remover





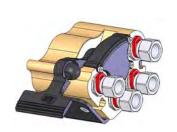
Find the right part number.

Model AXI/ASI

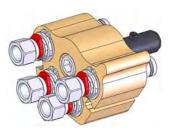
1	2	3	4	5	6	7	8	8,5	8,7	9	10	11
A43256	A43252	A43252	A43194	A43194	A43194	A43175	A43175	A43200	A43200	A43200		

Multi-X Couplings

Multi-X Couplings, the quick way to connect hydraulic, cooling and automatic lubrication in the same time. And even possible to have the electrical connections for example sensors in the same coupling.









Art.No: A5065308 Art.No: A5065308 + A5065311

Art.No: A5065309

Art.No: A5065309 + A5065310















