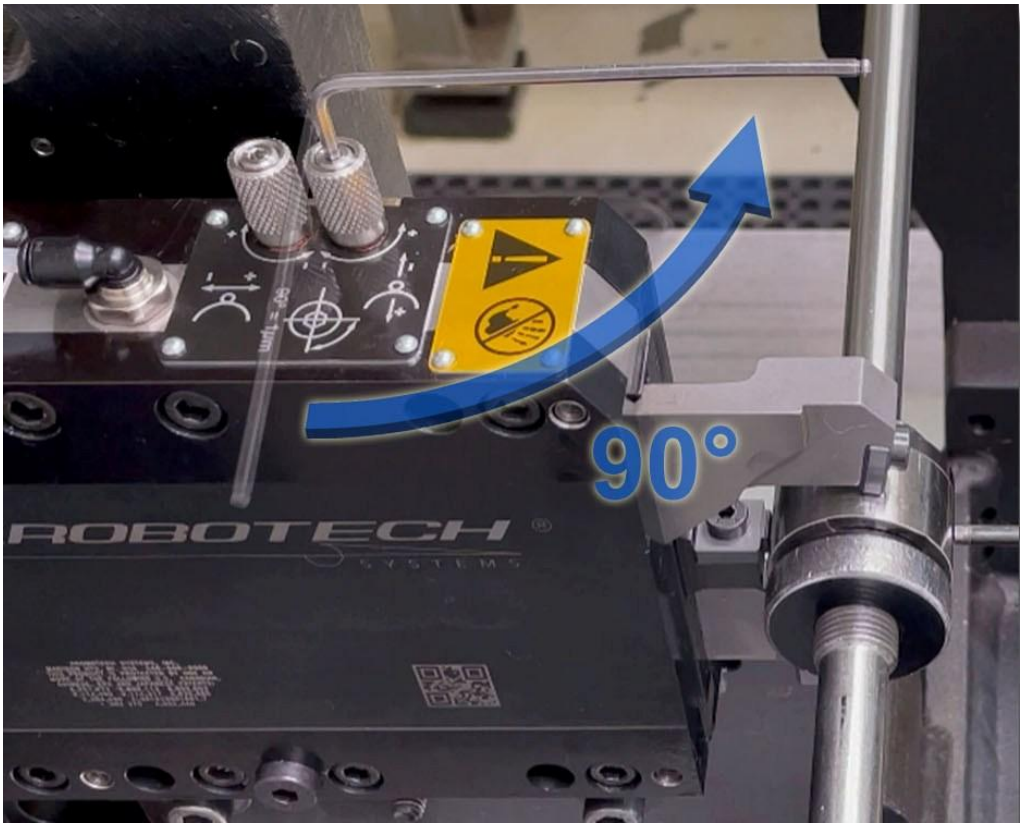
SFA Models

(Superior Fine Adjustment)



90° = 0.001mm Adjustment

Grinding AUTO REST®

About us

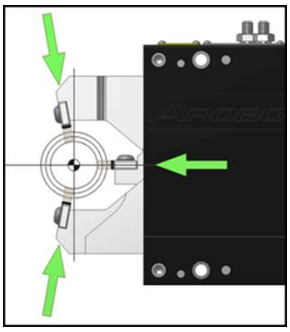
Arobotech Systems is the world leader in providing steady rests for use on grinding machines. Grinding AUTO REST® is recognized as the industry standard.

Sales and service are provided from our World Headquarters in Madison Heights, Michigan with additional sales and/or service locations in Germany, Japan, China, India, and Korea.

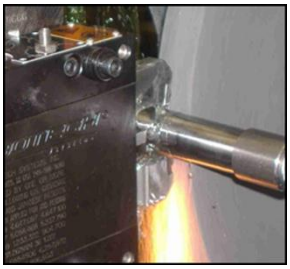


How it works

Accuracy
Arobotech Systems offers the original sliding wedge design with unsurpassed clamping accuracy. Each Grinding AUTO REST® must repeat within .001mm during testing to pass our rigorous certification criteria.



Self-Centering
The straight-line motion produced by the sliding wedge design gives Grinding AUTO REST® its unique self-centering capability. This feature automatically centers any size within each model's clamping range.



Follow Down Operation
This feature allows the Grinding AUTO REST® to support the part at the point of grind. The dynamic self-centering ability compensates for the changing part size to keep the workpiece on center throughout the grind cycle.

Benefits of use

Quality improvements

- Improve roundness – Our Follow Down feature supports the diameter being ground
- Better size control by keeping the workpiece stable throughout the grind cycle
- Improve concentricity – Our Self-Centering feature automatically compensates for under- and over-sized parts

Other benefits

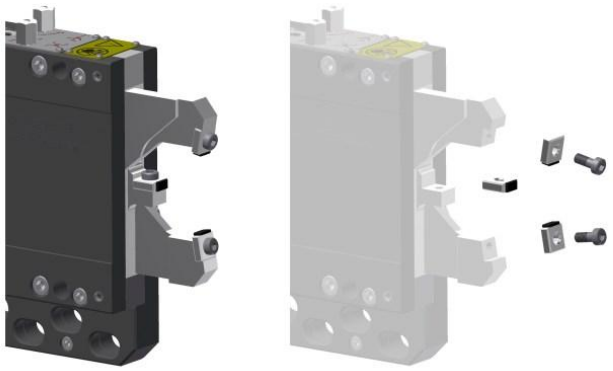
- Reduce scrap by reliably holding the workpiece accurately in place every time
- Improve cycle time with more aggressive grinding
- Accurately support workpiece without using a tailstock
- Models available from 1 to 250mm diameters
- Quick change-over

Content

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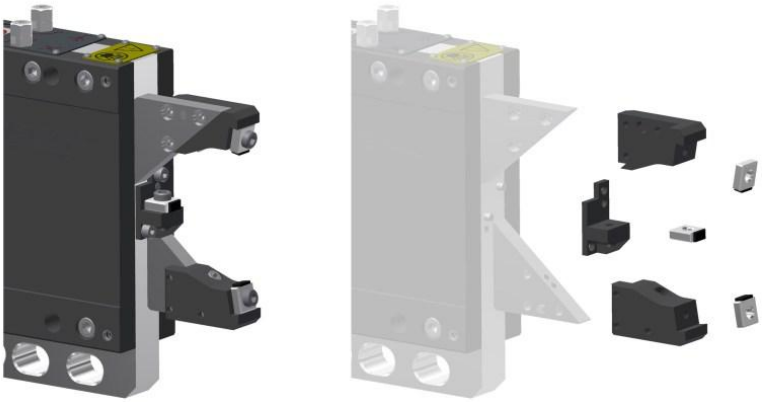
Tooling Configurations

Grinding AUTO REST® model and configuration is chosen based on workpiece size and grinding technical requirement. Models that feature wear pads mounted directly to the arms often represent the best value. Nest design is required for larger sizes and special features (offset, extended, etc.)



Direct Mounted Wear Pads

- Wear Pads ordered by set (3 per set)
- Set number specifies clamping range
- Offset and special pads available - contact sales@arobotech.com



Nest Mounted Wear Pads

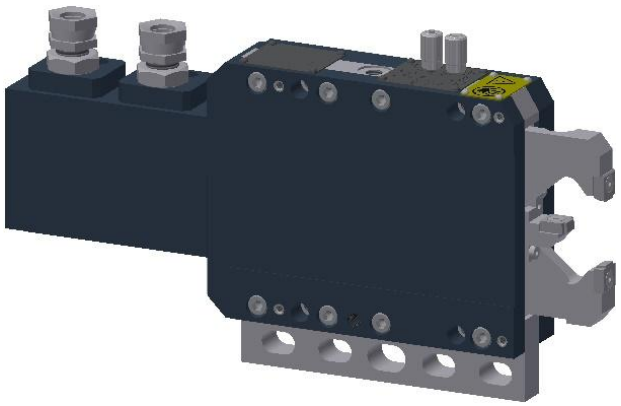
- Nests ordered by set (3 per set)
- Set number specifies clamping range
- Alternate angle center nests available in the event of quality issues
- Offset and special nests available - contact sales@arobotech.com
- Offset and special pads available - contact sales@arobotech.com

Product Overview - O.D. Models

Available features:

- Arm Retraction for Part Loading
- Fixed or Follow Down Operation
- 2-Axis SFA 0.001mm / 90° Centerline Adjustment
- Visible Zero Adjustment Screws
- Upper Arm Gage Clearance
- Position Feedback Sensors
- Lower Mounting Rail
- Side Mount Cylinder

*** See Data Sheet for Specific Features of Each Model ***



OD Grinding Models – Direct Mounted Wear Pads

Model		GR-4000			GR-4020		GR-4100	
Replaces		GC29222Y			GR-3520V		GR-6030V	
Clamp Range	mm	2 – 30			15 – 40		15 – 60	
Pad Set 1		2 – 4			15 – 35		15 – 50	
Pad Set 2			4 – 12			20 – 40		25 - 60
Pad Set 3				12 - 30				

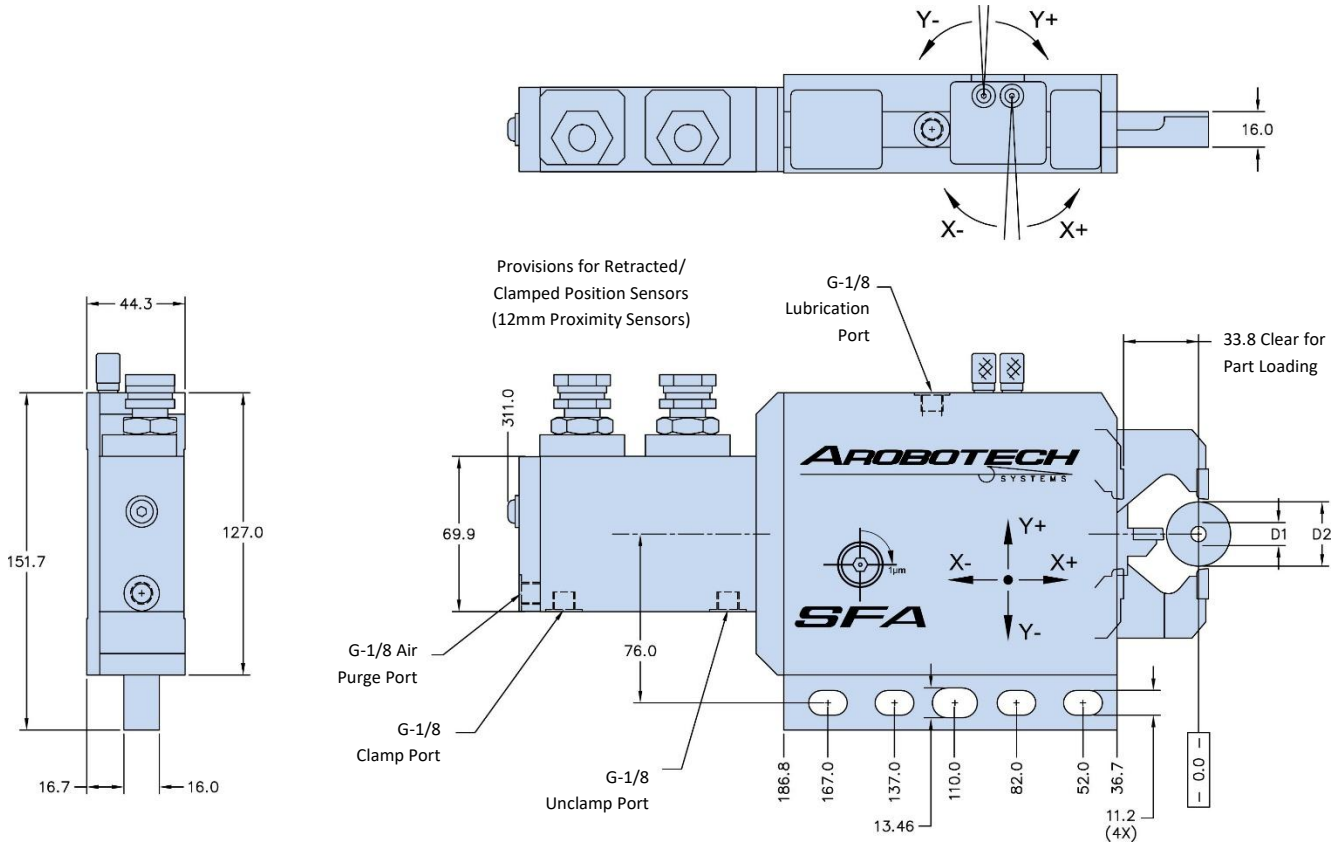
OD Grinding Models – Nest Mounted Wear Pads

Model		GR-4300				GR-4400			
Replaces		GR-115V				GR-320V			
Maximum Size	mm	60				90			
Nest Set 1		15 – 30				10 – 30			
Nest Set 2			30 – 45				30 – 50		
Nest Set 3				45 - 60				50 – 70	
Nest Set 4					n/a				70 - 90

Contact sales@arobotech.com for free assistance

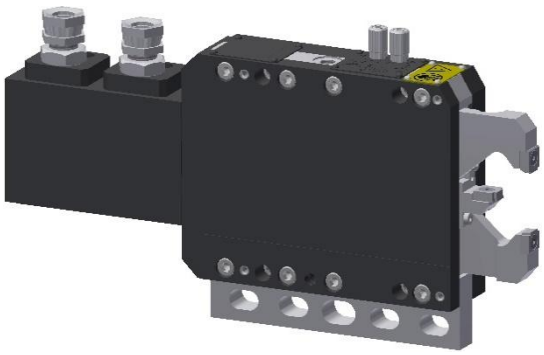
* Model Selection	* Process Review	* Special Models	* 3D Models	* Accessories
* Machine Integration	* Modifications	* Special Features	* Mounting Bases	* Spare Parts

Grinding AUTO REST® | GR-4000-000



Wear Pad Set			1A	2A	3A
Minimum Clamp Diameter	D1	mm	2	4	12
Maximum Clamp Diameter	D2	mm	4	12	30

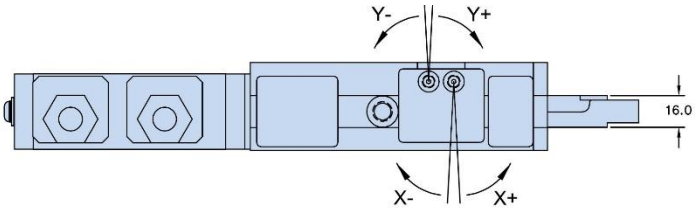
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	6.4
Cylinder Stroke	mm	51
Operating Pressure	bar	15 – 30
Maximum Pressure	bar	45
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.03 – 0.04
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	8.3
Max Lifting Capacity	kg	43

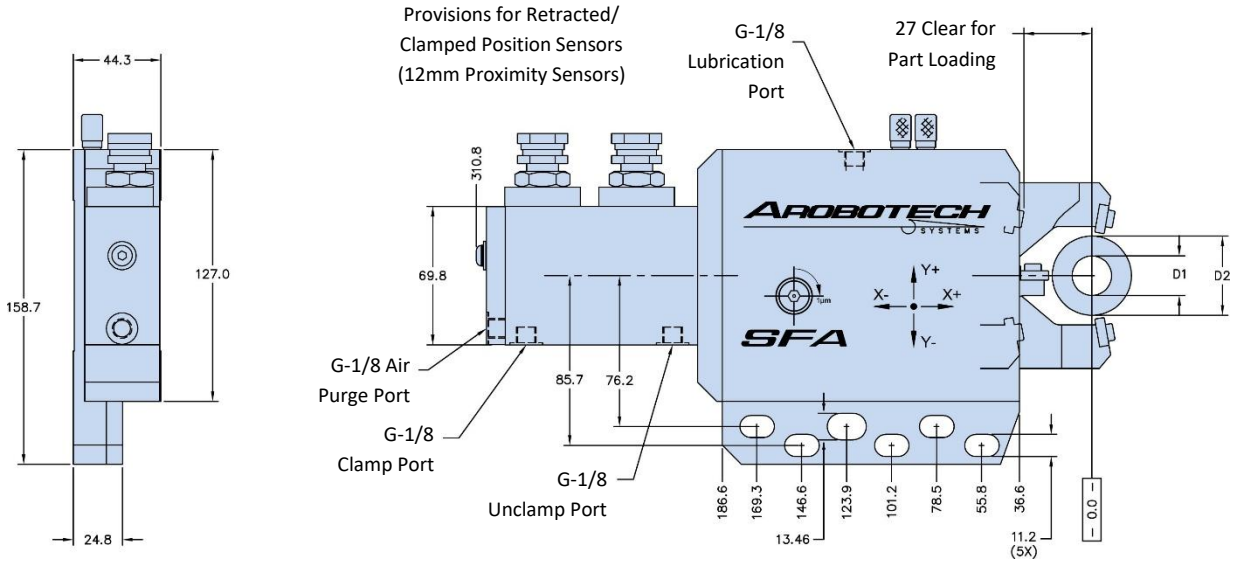


Included Features
* Arm Retraction for Part Loading
* Fixed or Follow Down Operation
* 2-Axis Centerline Adjustment
* 90° = 0.001mm Adjustment
* Visible Zero Adjustment Screws
* Position Feedback Sensors

Items Required to Use This Product:
* Set of Wear Pads
* Mounting Base

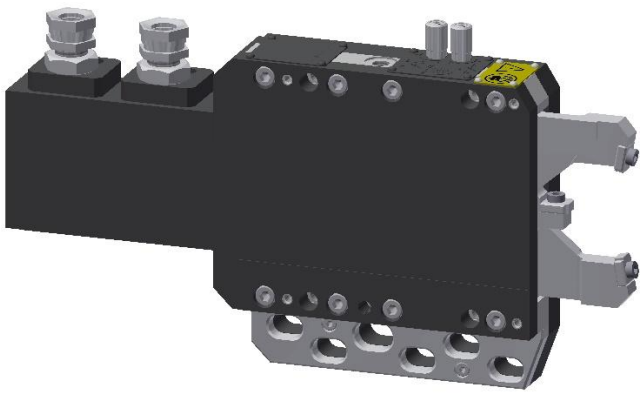
Grinding AUTO REST® | GR-4020-000





Wear Pad Set			1	2
Minimum Clamp Diameter	D1	mm	15	20
Maximum Clamp Diameter	D2	mm	35	40

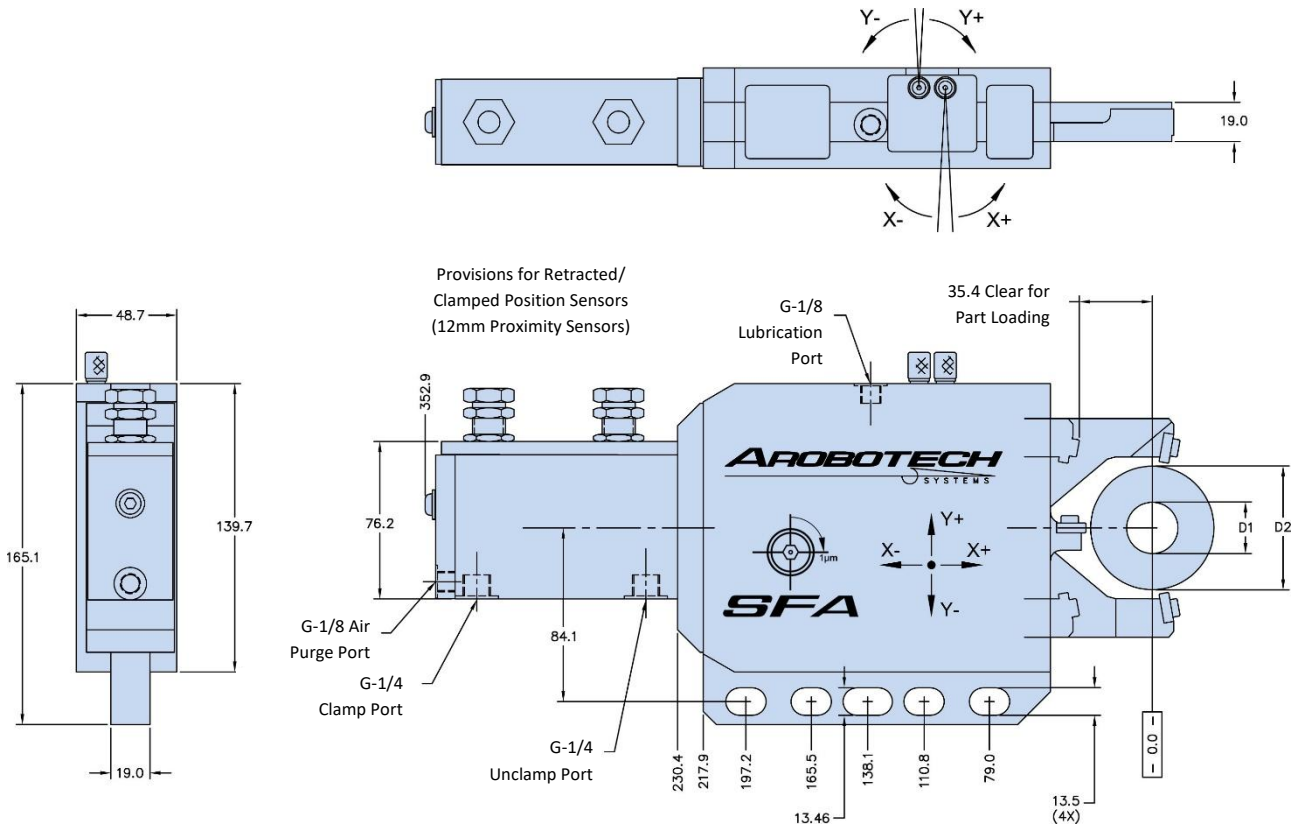
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	6.4
Cylinder Stroke	mm	51
Operating Pressure	bar	15 – 30
Maximum Pressure	bar	45
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.03 – 0.04
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	8.5
Maximum Lifting Capacity	Kg	43



Included Features
* Arm Retraction For Part Loading
* Fixed or Follow Down Operation
* 2-Axis Centerline Adjustment
* 90° = 0.001mm Adjustment
* Visible Zero Adjustment Screws
* Position Feedback Sensors

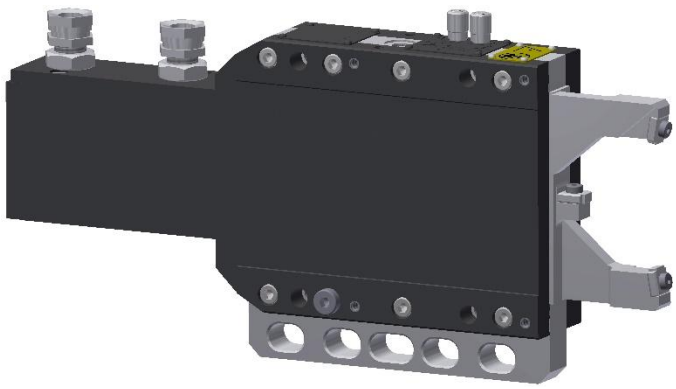
Items Required To Use This Product:
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-4100-000



Wear Pad Set			1	2
Minimum Clamp Diameter	D1	mm	15	25
Maximum Clamp Diameter	D2	mm	50	60

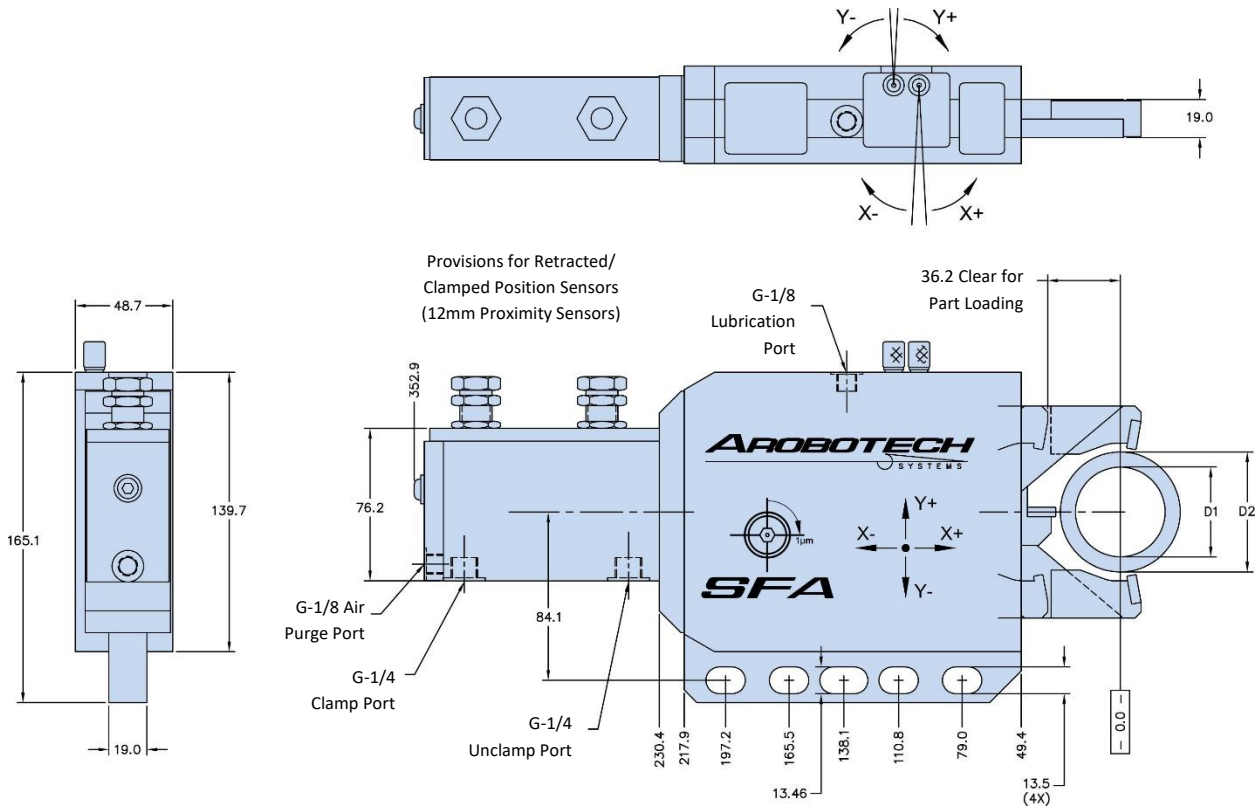
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	6.4
Cylinder Stroke	mm	69.5
Operating Pressure	bar	15 – 30
Maximum Pressure	bar	45
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.04 – 0.06
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	11
Max Lifting Capacity	Kg	43



Included Features
* Arm Retraction for Part Loading
* Fixed or Follow Down Operation
* 2-Axis Centerline Adjustment
* 90° = 0.001mm Adjustment
* Visible Zero Adjustment Screws
* Position Feedback Sensors

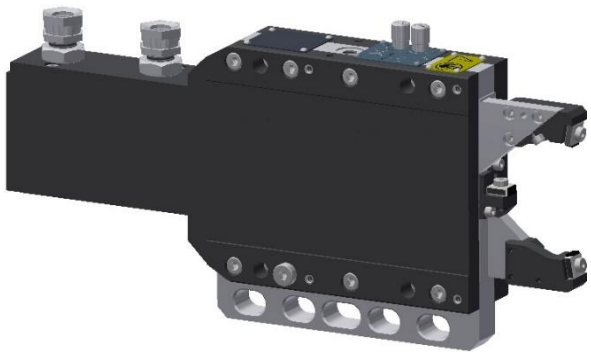
Items Required To Use This Product:
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-4300-000



Nest Set			1	2	3
Minimum Clamp Diameter	D1	mm	15	30	45
Maximum Clamp Diameter	D2	mm	30	45	60

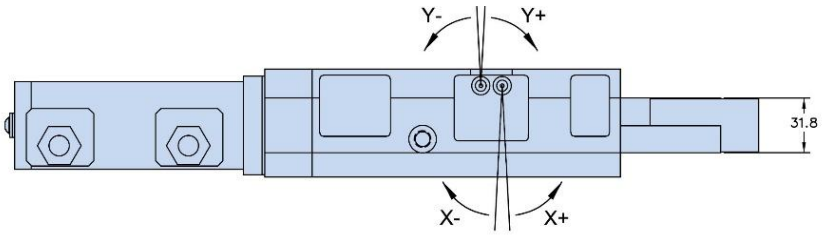
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	6.4
Cylinder Stroke	mm	57.5
Operating Pressure	bar	15 – 30
Maximum Pressure	bar	45
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.04 – 0.06
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	11
Max Lifting Capacity	Kg	43

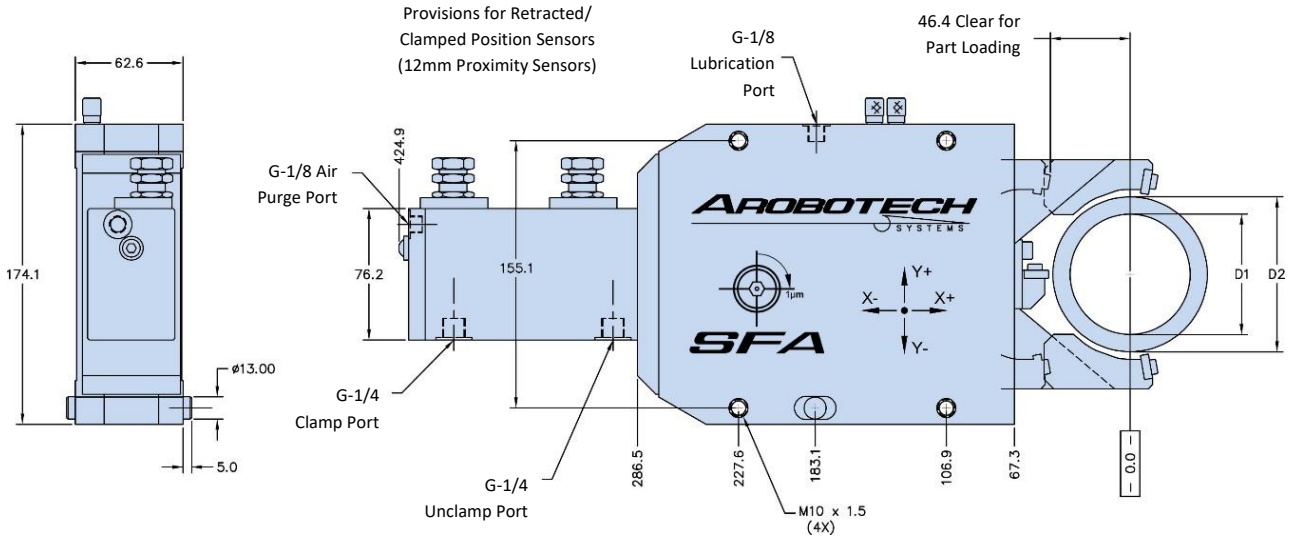


Included Features
* Arm Retraction for Part Loading
* Fixed or Follow Down Operation
* 2-Axis Centerline Adjustment
* 90° = 0.001mm Adjustment
* Visible Zero Adjustment Screws
* Position Feedback Sensors

Items Required To Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

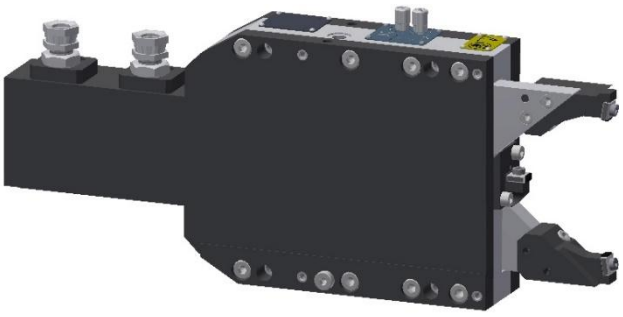
Grinding AUTO REST® | GR-4400-000





Nest Set			1	2	3	4
Minimum Clamp Diameter	D1	mm	10	30	50	70
Maximum Clamp Diameter	D2	mm	30	50	70	90

X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	11.4
Cylinder Stroke	mm	76
Operating Pressure	bar	15 – 30
Maximum Pressure	bar	45
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.05 – 0.10
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	18
Max Lifting Capacity	Kg	78



Included Features
* Arm Retraction for Part Loading
* Fixed or Follow Down Operation
* 2-Axis Centerline Adjustment
* 90° = 0.001mm Adjustment
* Visible Zero Adjustment Screws
* Position Feedback Sensors

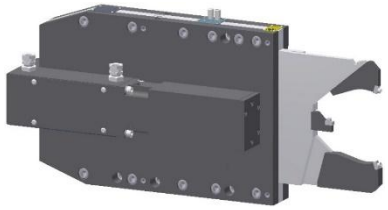
Items Required To Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Product Overview - Crankshaft Models

Available features:

- Arm Retraction for Part Loading
- Extended Reach for Counterweight Clearance
- Fixed or Follow Down Operation
- 2-Axis SFA 0.001mm / 90° Centerline Adjustment
- Visible Zero Adjustment Screws
- Upper Arm Gage Clearance
- Position Feedback Sensors
- Side Mount Cylinder

*** See Data Sheet for Specific Features of Each Model ***



Model		**GR-6000**							**GR-6100**			
Replaces		GR-1150V-SDG							GR-1350V-SDG			
Clamp Range	mm	15 – 95							43 - 95			
Nest Set		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**1**	**2**	**3**	**4**
Clamp Range	mm	15 - 25	25 – 45	35 – 55	45 – 65	55 – 75	65 – 85	75 – 95	43 - 56	56 - 69	69 – 82	83 - 95

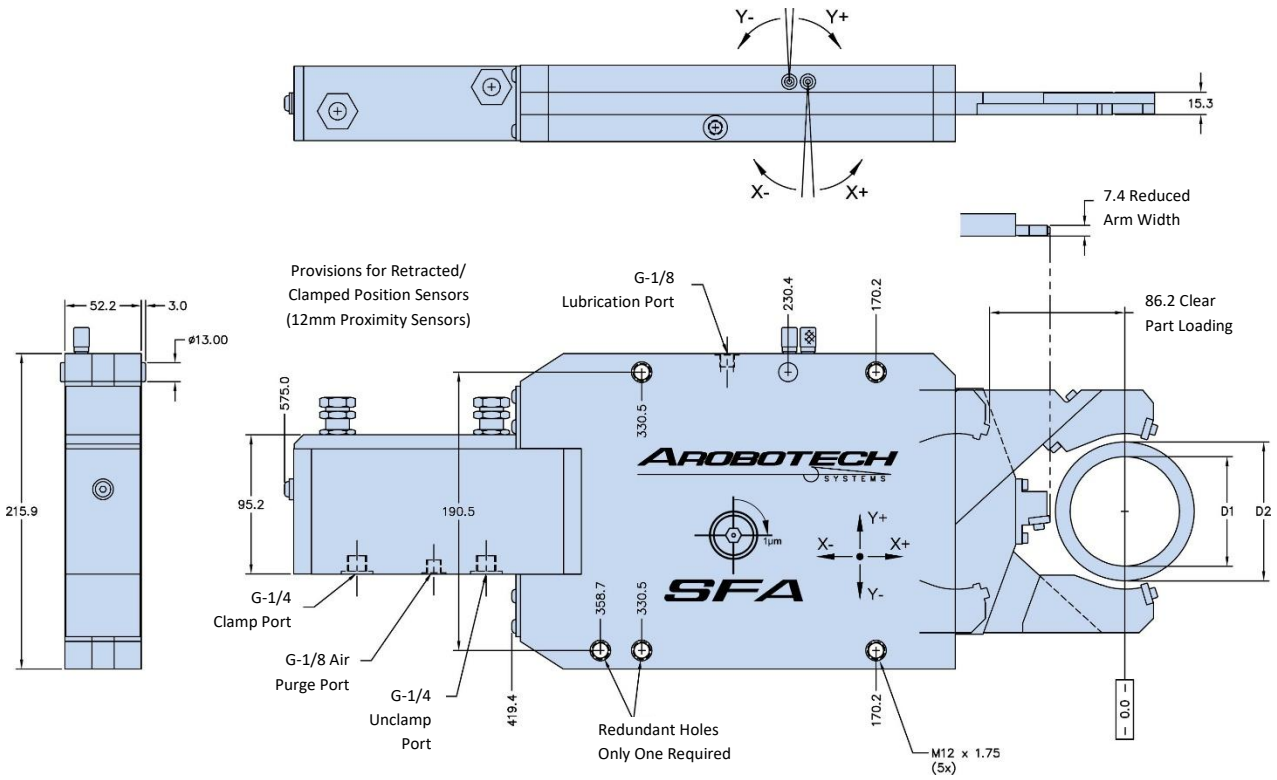
Model		**GR-6200**							**GR-6300**				
Replaces		GC29403A							GC30916A				
Clamp Range	mm	60 - 130							40 - 140				
Nest Set		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**1**	**2**	**3**	**4**	**5**
Clamp Range	mm	60-70	70-80	80-90	90-100	100-110	110-120	120-130	40-62	62-74	74-96	96-118	118-140

Model		**GR-6400**						
Replaces		GC18206A						
Clamp Range	mm	105 - 172						
Nest Set		**1**	**2**	**3**	**4**	**5**	**6**	**7**
Clamp Range	Mm	105 – 115	110 - 110	120 – 130	130 – 140	140 – 150	152 – 162	162 - 172

Model		**GR-6500**								
Replaces		GC25584M								
Clamp Range	mm	30 - 120								
Nest Set		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Clamp Range	mm	30 – 43	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90	90 – 100	100 – 110	110 - 120

Model		**GR-6700**					
Replaces		N/A					
Clamp Range	mm	145 - 205					
Nest Set		**1**	**2**	**3**	**4**	**5**	**6**
Clamp Range	mm	145 – 155	155 – 165	165 – 175	175 – 185	185 – 195	195 - 205

Grinding AUTO REST® | GR-6000-000



Nest Set			1	2	3	4	5	6	7
Minimum Clamp Diameter	D1	mm	15	25	35	45	55	65	75
Maximum Clamp Diameter	D2	mm	35	45	55	65	75	85	95

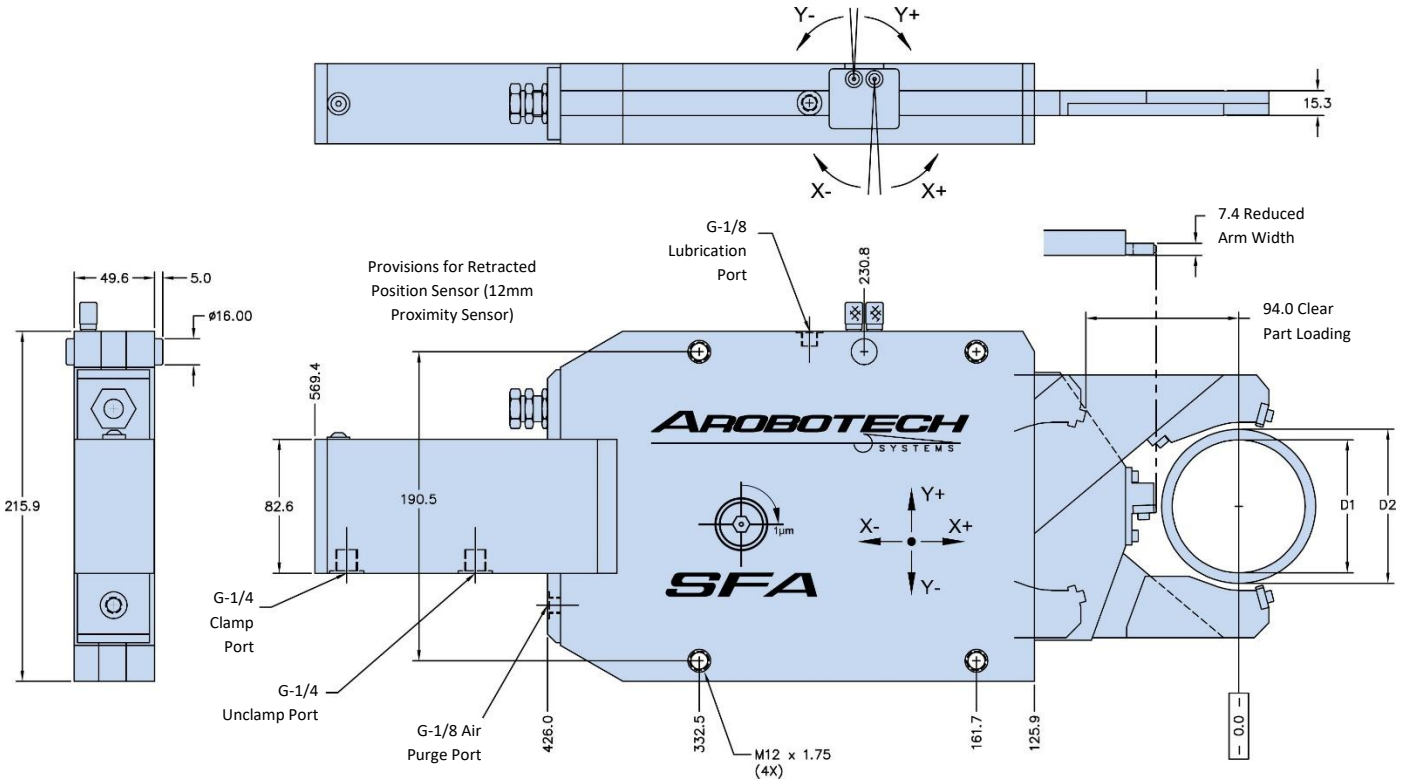
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	11.4
Cylinder Stroke	mm	125.2
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.10 – 0.15
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	27
Max Lifting Capacity	Kg	83



Included Features
* Arm Retraction for Part Loading
* Extended Reach for Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

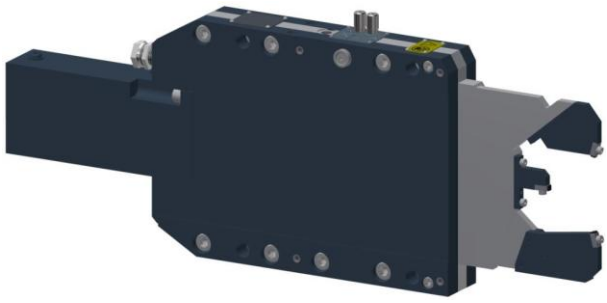
Items Required to Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6100-527



Nest Set			1	2	3	4
Minimum Clamp Diameter	D1	mm	43	56	69	82
Maximum Clamp Diameter	D2	mm	56	69	82	95

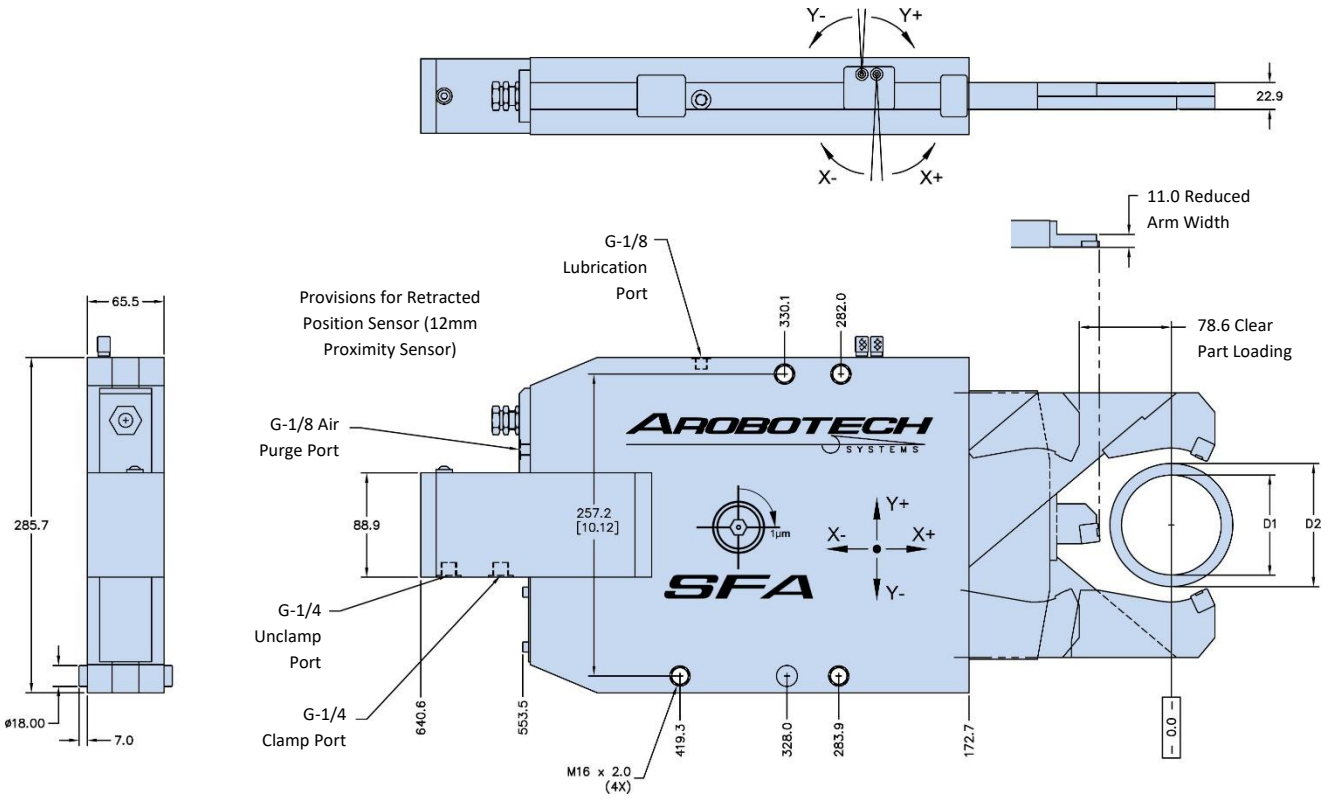
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	11.4
Cylinder Stroke	mm	127
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.15 – 0.20
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	24
Max Lifting Capacity	Kg	70



Included Features
* Arm Retraction for Part Loading
* Extended Reach For Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

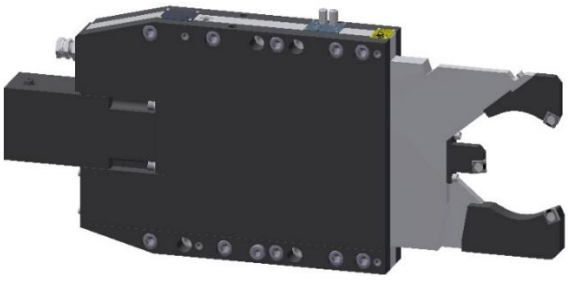
Items Required To Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6200-000



Nest Set			1	2	3	4	5	6	7
Minimum Clamp Diameter	D1	mm	60	70	80	90	100	110	120
Maximum Clamp Diameter	D2	mm	70	80	90	100	110	120	130

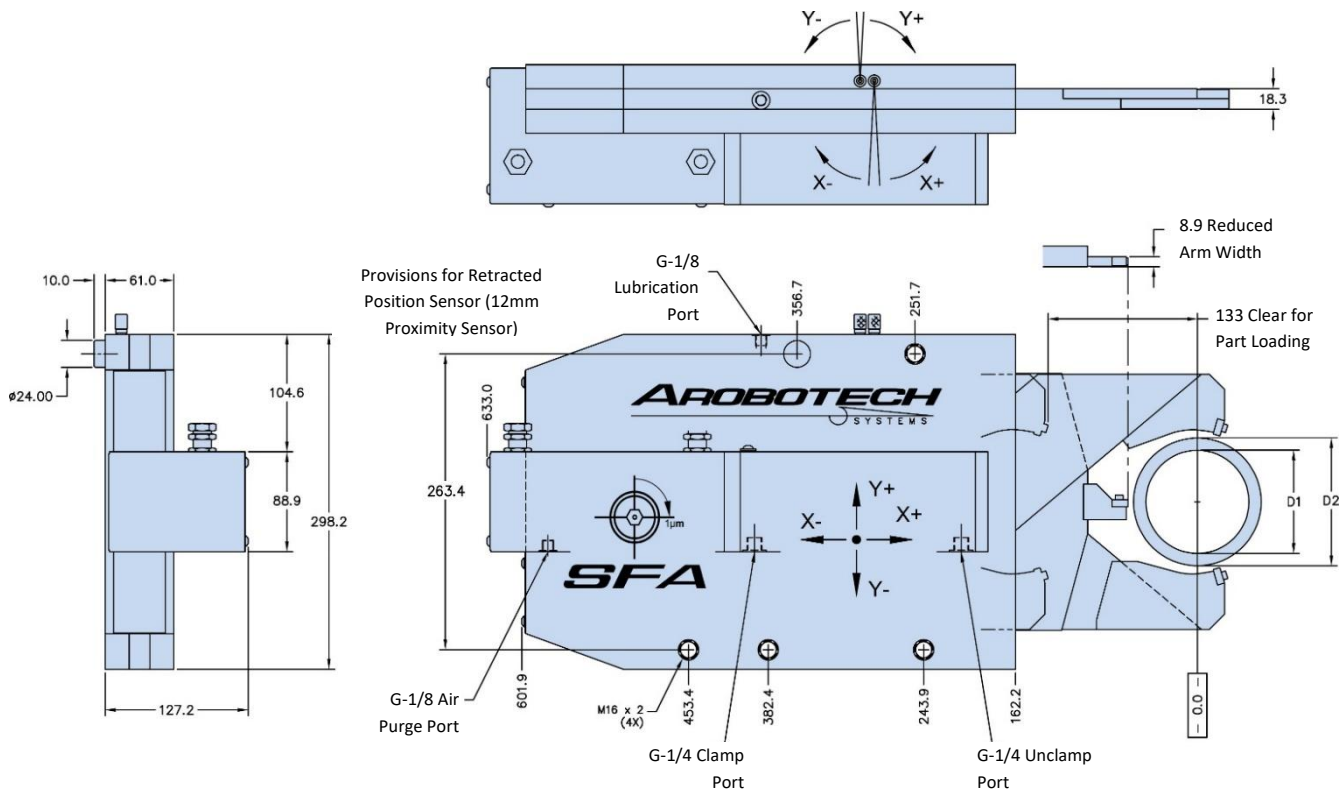
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	20.3
Cylinder Stroke	mm	135
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.25 – 0.35
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	50.4
Max Lifting Capacity	Kg	125



Included Features
* Arm Retraction for Part Loading
* Extended Reach For Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

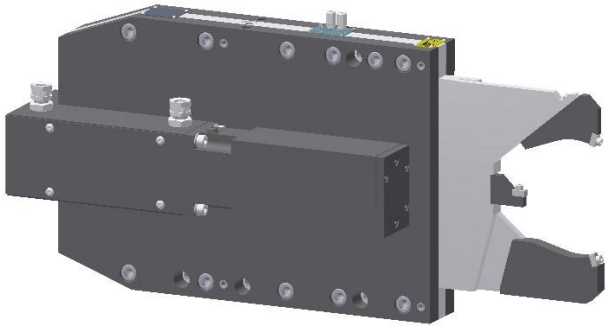
Items Required To Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6300-000



Nest Set			1	2	3	4	5
Minimum Clamp Diameter	D1	mm	30	52	74	96	118
Maximum Clamp Diameter	D2	mm	52	74	96	118	140

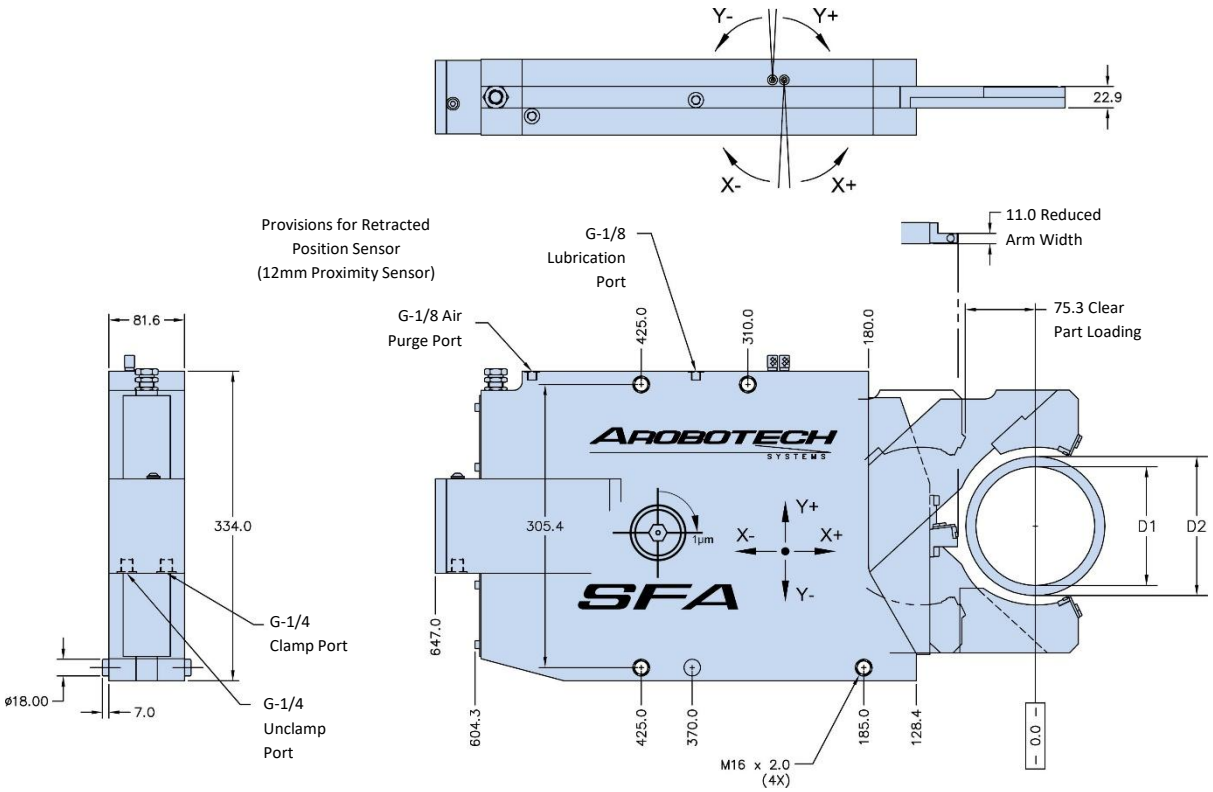
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	20.3
Cylinder Stroke	mm	178
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.25 – 0.35
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	64
Max Lifting Capacity	Kg	127



Included Features
* Arm Retraction for Part Loading
* Extended Reach for Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

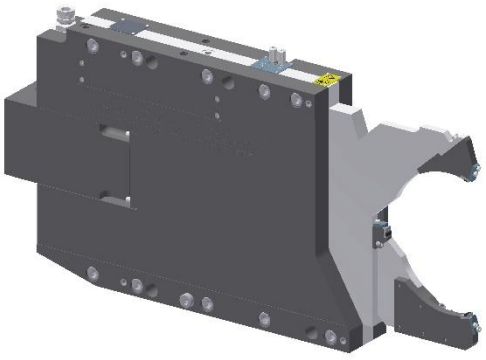
Items Required To Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6400-000



Nest Set			1	2	3	4	5	6	7
Minimum Clamp Diameter	D1	mm	105	110	120	130	140	152	162
Maximum Clamp Diameter	D2	mm	115	120	130	140	150	162	172

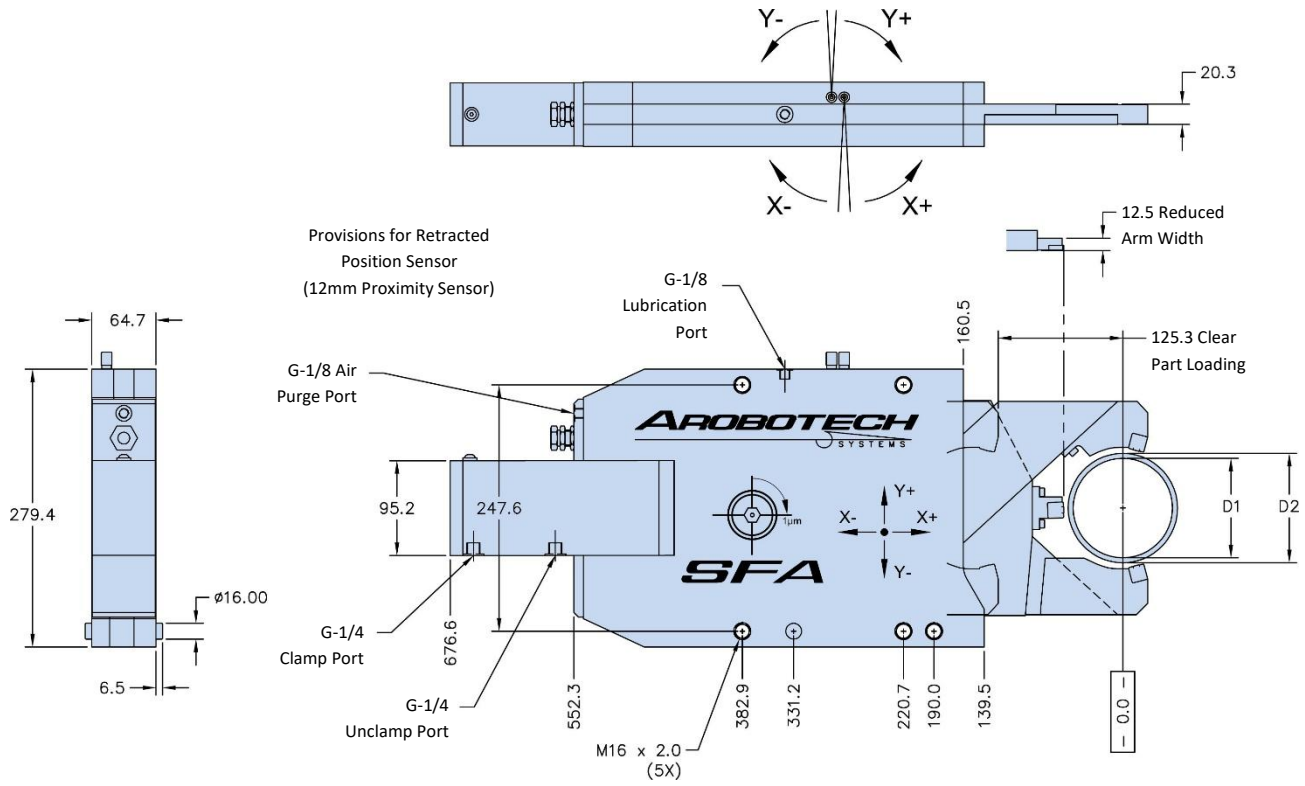
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	38.3
Cylinder Stroke	mm	141
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.25 – 0.35
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	82
Max Lifting Capacity	kg	175



Included Features
* Arm Retraction for Part Loading
* Extended Reach for Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

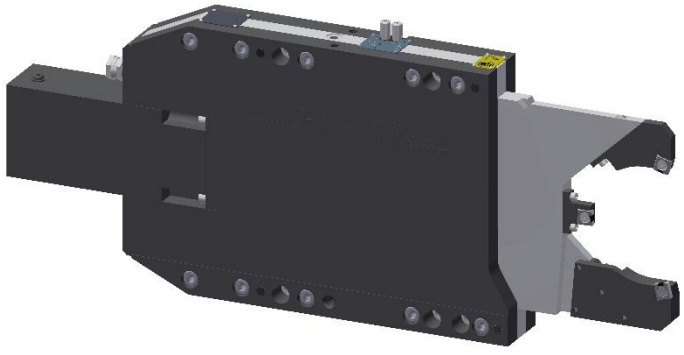
Items Required to Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6500-000



Nest Set			1	2	3	4	5	6	7	8	9
Minimum Clamp Diameter	D1	mm	30	40	50	60	70	80	90	100	110
Maximum Clamp Diameter	D2	mm	43	50	60	70	80	90	100	110	120

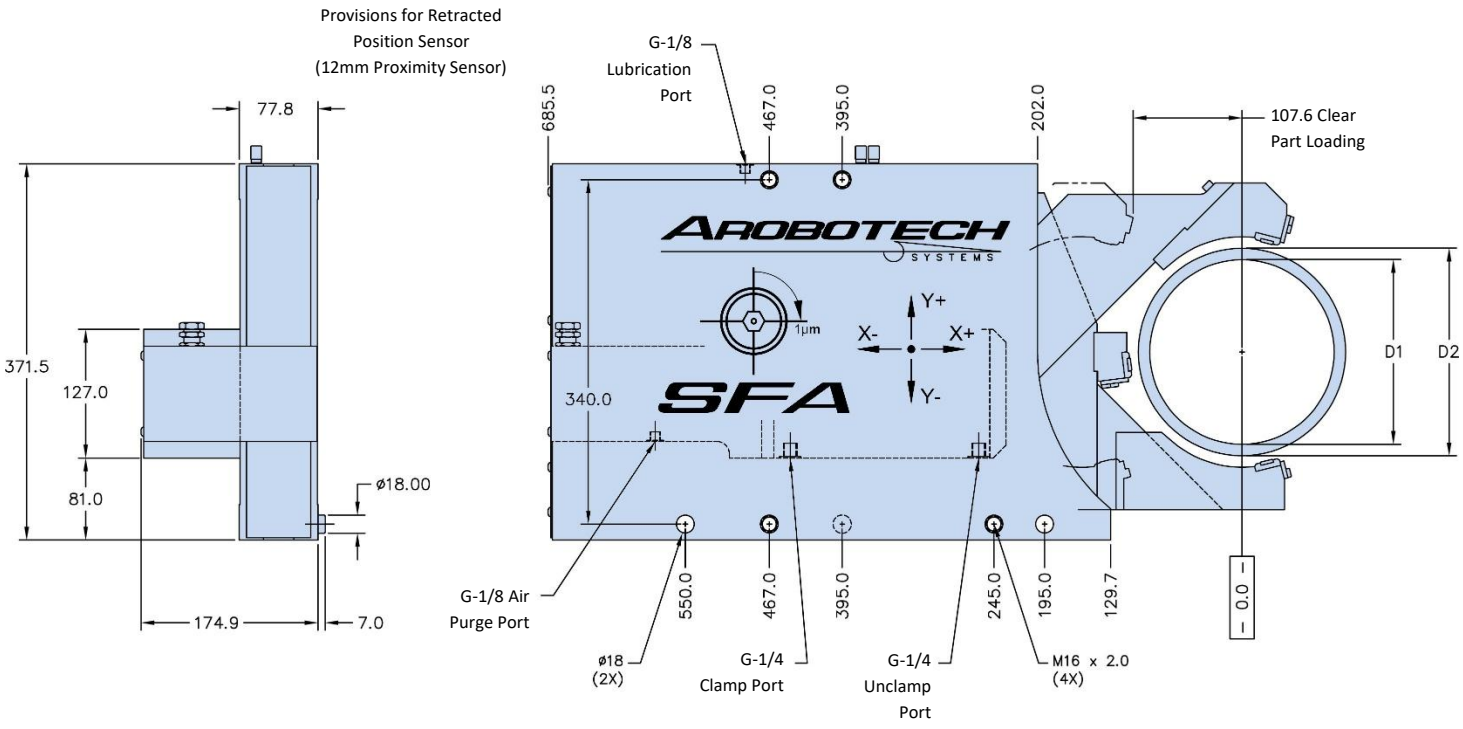
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	20.3
Cylinder Stroke	mm	162
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.25 – 0.35
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	52
Max Lifting Capacity	kg	80



Included Features
* Arm Retraction for Part Loading
* Extended Reach for Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

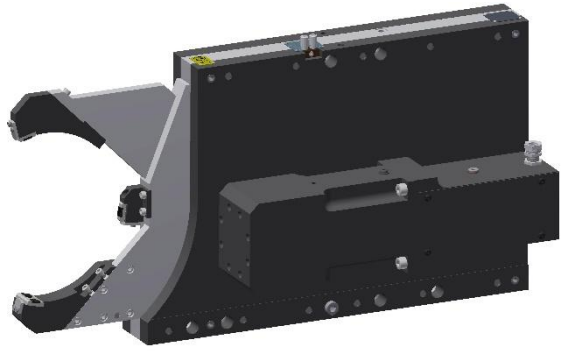
Items Required to Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6700-020



Nest Set			1	2	3	4	5	6
Minimum Clamp Diameter	D1	mm	145	155	165	175	185	195
Maximum Clamp Diameter	D2	mm	155	165	175	185	195	205

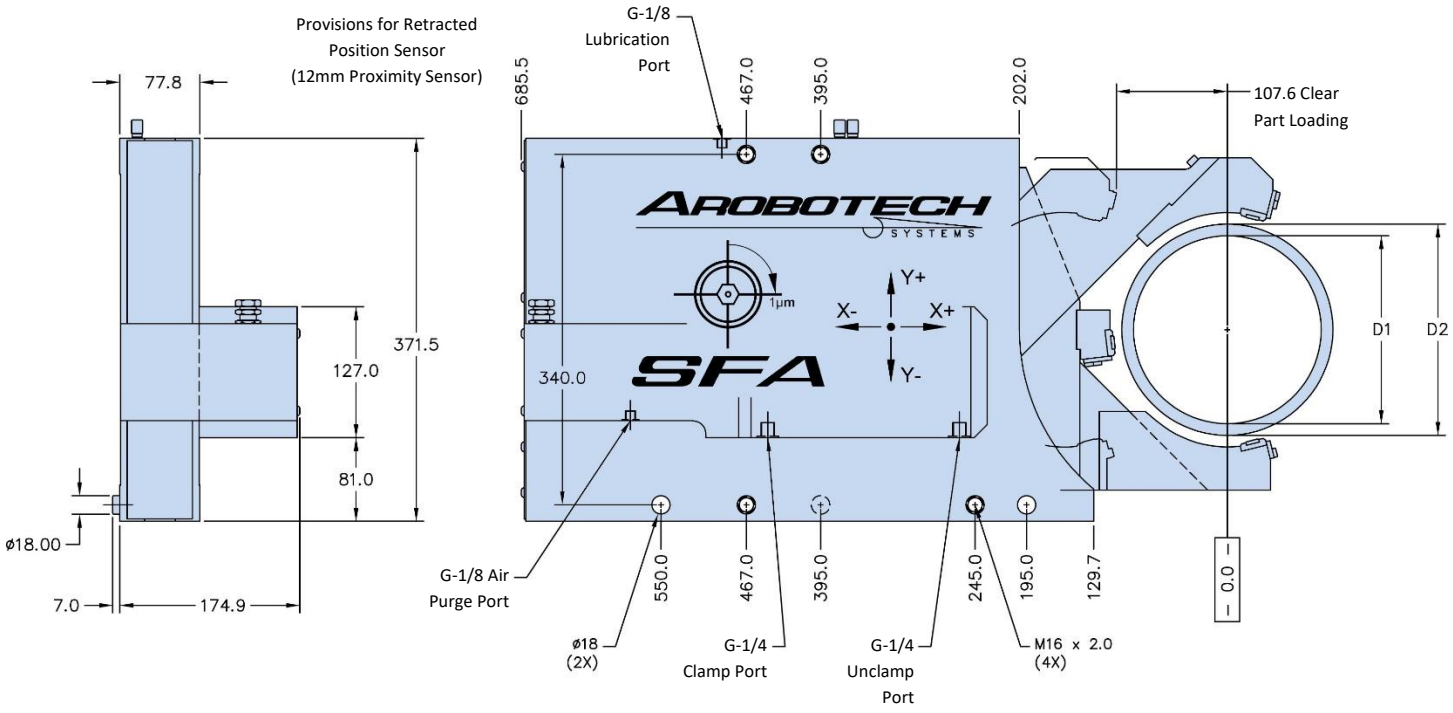
X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	40.5
Cylinder Stroke	mm	173.5
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.35 – 0.40
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	117
Max Lifting Capacity	kg	250



Included Features
* Arm Retraction for Part Loading
* Extended Reach for Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

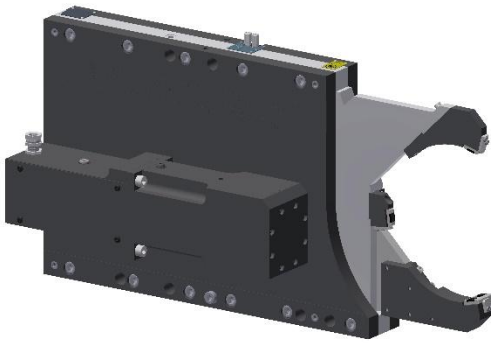
Items Required to Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Grinding AUTO REST® | GR-6700-021



Nest Set			1	2	3	4	5	6
Minimum Clamp Diameter	D1	mm	145	155	165	175	185	195
Maximum Clamp Diameter	D2	mm	155	165	175	185	195	205

X-Axis Adjustment per Screw Rotation	mm	0.004
X-Axis Adjustment Total	mm	±0.20
Y-Axis Adjustment per Screw Rotation	mm	0.004
Y-Axis Adjustment Total	mm	±0.20
Piston Area	cm2	40.5
Cylinder Stroke	mm	173.5
Operating Pressure	bar	10 – 27
Maximum Pressure	bar	32
Air Purge Pressure	bar	0.3 – 0.5
Lubrication Volume	cm3	0.35 – 0.40
Lubrication Frequency		Working Cycle (or every 6 minutes)
Repeatability	mm	±0.001
Mass	kg	117
Max Lifting Capacity	kg	250



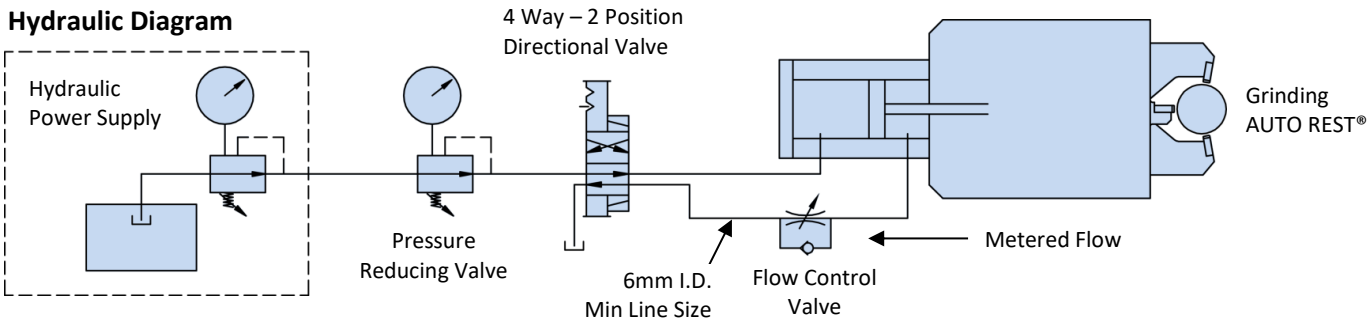
Included Features
* Arm Retraction for Part Loading
* Extended Reach for Clearance
* Fixed or Follow Down Operation
* Upper Arm Gage Clearance
* 2-Axis Centerline Adjustment
* 90°= 0.001mm Adjustment
* Position Feedback Sensor
* Visible Zero Adjustment Screw

Items Required to Use This Product:
* Set of Nests
* Set of Wear Pads
* Mounting Base

Warning! Grinding AUTO REST®s are hydraulically operated. Care must be taken at all times to avoid injury or damage to equipment

Under no circumstances will this document take precedent over the machine builder operating and safety guidelines

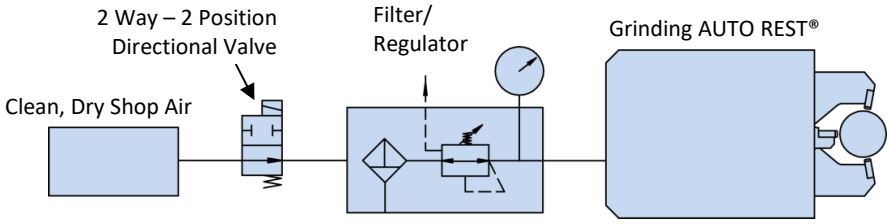
Hydraulic Diagram



Air Purge

Grinding AUTO REST® uses Air Purge port to pressurize inside the body for maximum service life

0.3 to 0.5 bar recommended pressure



Hydraulic

Grinding AUTO REST® uses a single hydraulic cylinder to extend and clamp on the part. The same cylinder is then used to open and retract the arms. The basic hydraulic recommendation:

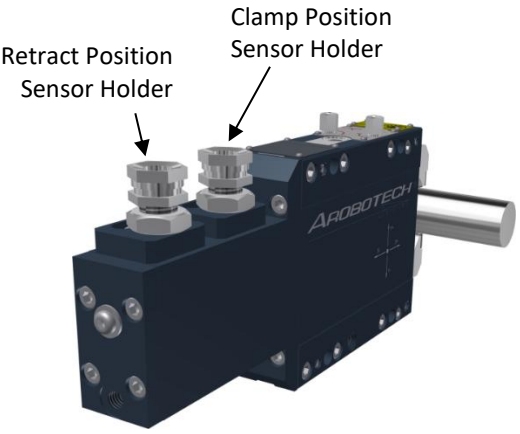
- Recommended Hydraulic Power Supply = 3GPM (11 LPM) @ 500 psi (34 bar) minimum. See operator's manual for specific model recommended operating pressure. Hydraulic pump must maintain pressure to the rest when clamped and unclamped
- 4 way – 2 position solenoid valve with a pressure reducing valve for each Grinding AUTO REST®
- Flow control valve for each Grinding AUTO REST® - 1 second recommended clamping time

Electrical

Machine control interface
Interface to machine control must be supplied by the machine builder. Arobotech Systems does not supply a machine control interface.

Position sensors
Each Grinding AUTO REST® has integrated sensor mounting for barrel type proximity sensor. Sensors are used to alert the machine control of the steady rest position. Please note that it is the responsibility of the customer to supply proximity sensors. See operator's manual for specific model sensor size.

Machine door
Prepare the machine so that the Grinding AUTO REST® can be operated in manual mode with the door open. Always follow valid safety regulations.

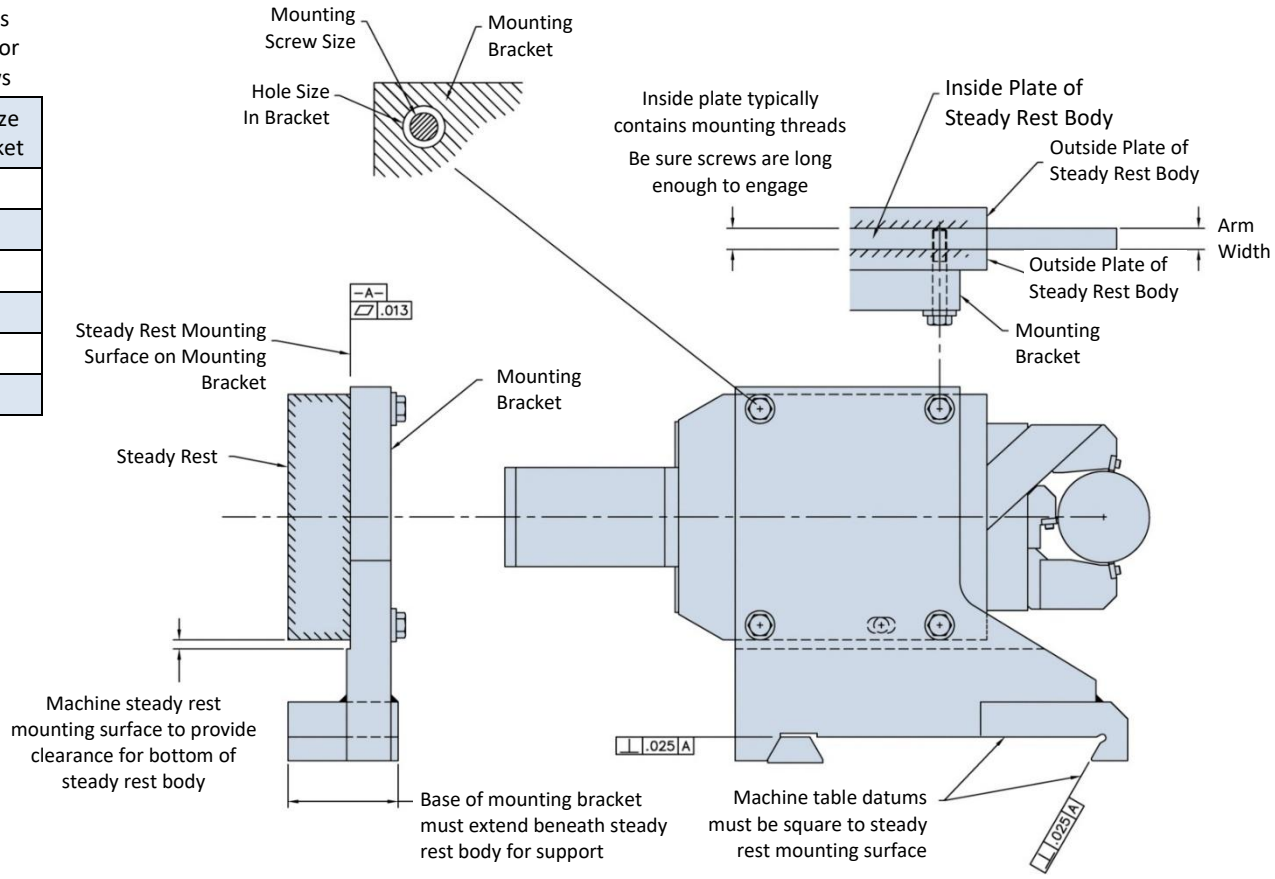


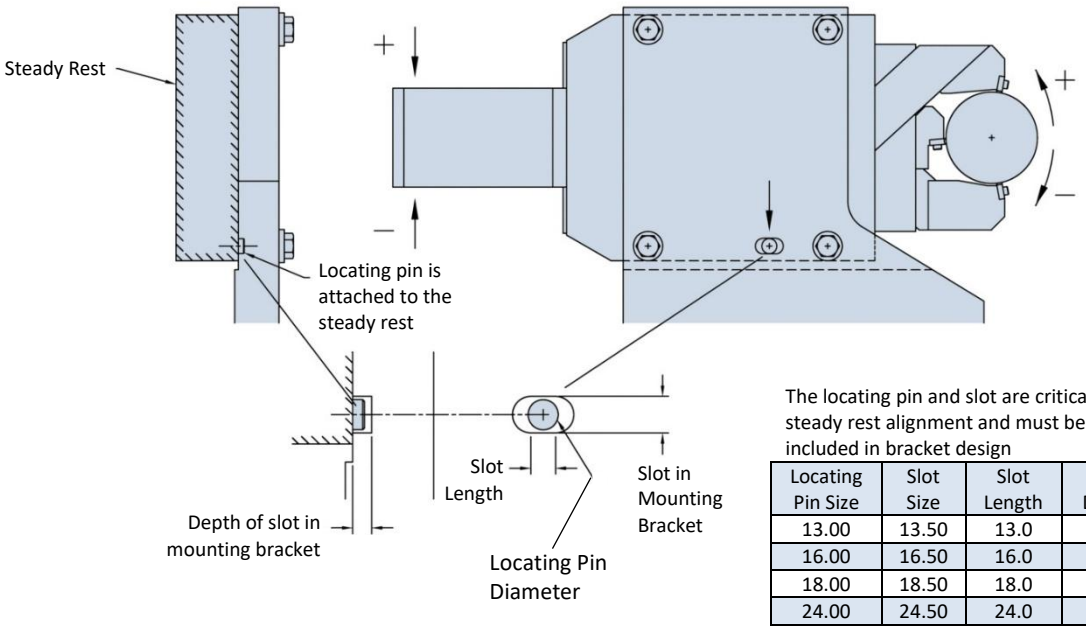
Lubrication

Machine must be capable of delivering lubrication oil to each Grinding AUTO REST® every 6 minutes or each working cycle (whichever is more frequent). See operator's manual for specific model volume recommendations.

Over-Sized Holes Recommended For Mounting Screws

Screw Size	Hole Size In Bracket
M6	8.0
M8	10.5
M10	13.5
M12	16.0
M16	20.5
M20	25.0





The locating pin and slot are critical to steady rest alignment and must be included in bracket design

Locating Pin Size	Slot Size	Slot Length	Slot Depth
13.00	13.50	13.0	10.0
16.00	16.50	16.0	12.0
18.00	18.50	18.0	14.0
24.00	24.50	24.0	16.0

Services

Our commitment



Arobotech Systems is a full service company. Our relationship with the customer does not end at the point of sale and delivery. When you purchase an Arobotech product you gain not only a superior workholding device, but also many years of experience with workholding solutions.

Arobotech offers full support to all of our products for their entire service life.

Available Services

- **Installation**
  - Arobotech has experienced personnel to assist with Grinding AUTO REST® and accessories
- **Training**
  - Our staff offers experienced on-site training for your engineering and production staff
- **Troubleshooting**
  - We bring many years of experience to troubleshooting your Grinding AUTO REST® and grinding process. Contact service@arobotech.com for support. On site troubleshooting is available.
- **Repair and Reconditioning**

service@arobotech.com

Accessories

Arobotech offers a full complement of accessories for use with our Grinding AUTO REST® products

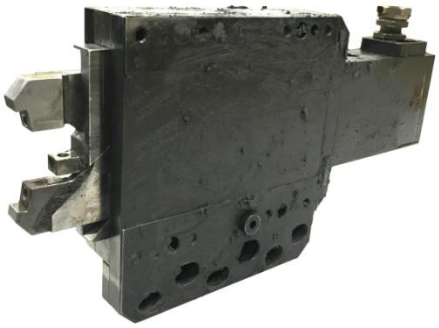
- Mounting Bracket
- Pre-Position Vee Cradles
- Specialty Tooling



Repair and Reconditioning Service

Arobotech offers complete repair and reconditioning service. Damaged or worn units can be returned for a free-of-charge performance / condition evaluation

Old Unit



Repaired / Reconditioned Unit



Return for Evaluation

All Returns Require an RMA Number - Contact us at to request an RMA number
www.arobotech.com/service/
+001 248-588-9080
service@arobotech.com

Authorized products may be returned to Arobotech for a performance / condition evaluation at no charge with the following conditions:

- Include RMA number on outside of the shipping container and all shipping documents
- Label “Return for Evaluation”
- Include a description of the symptom or failure that prompted the return (as described on the RMA)
- Include contact information (as listed on the RMA)
- Packaging should be sufficient to prevent damage during transit
- Customer is responsible for all shipping charges

Ship subject unit(s) to:
Arobotech Systems
1524 E. Avis Drive
Madison Heights, MI 48071
USA

Shipments from outside the United states also must have noted on all paperwork: **“These goods were manufactured in the United States and are being returned for repair”**

Shipping terms must be DDP

Contact us with any questions:
+001 248-588-9080
sales@arobotech.com

Notify us at sales@arobotech.com when shipment is made so we can track and prepare our evaluation team

Evaluation Report

Our team will perform a full evaluation and issue a report (including cost to repair / recondition). Please allow 2 weeks for the evaluation report after receipt at our facility.

Once the evaluation report is complete, we require one of the following actions within the 90 day evaluation period:

- Purchase order to begin repairs
- Return unit as is with no repair
- Scrap at our facility (written direction required)

AROBOTECH® SYSTEMS

Grinding AUTO REST®

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www.arobotech.com

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