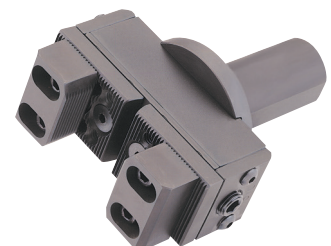




Haas Factory Outlet

2022 PERFORMANCE ACCESSORY CATALOG



ROYAL
PRODUCTS
Optimize everything.

The History of Royal Products



Royal Products has been a leading American manufacturer of metalworking performance accessories for more than 70 years. The company was founded in 1946 by Bob Curran, who had an idea for a changeable-point live center with a combination taper/thread interface that would ensure near-perfect accuracy when points were interchanged.

After being awarded a U.S. patent for his concept, Bob convinced a friend who owned a small machine shop in lower Manhattan to rent him some evening machine time so he could make his first “production run”, which only totaled enough bodies, points, and seal retainers to make ten complete live centers.

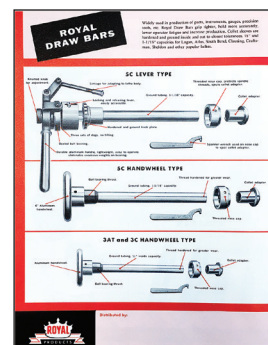
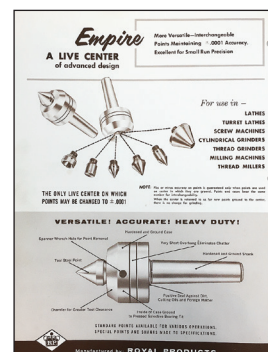
Bob assembled his first live center and drove out to Long Island to visit an industrial distributor for feedback on his design. The distributor liked what he saw and said he’d take two, so Bob left his very first center with the distributor and headed back to Manhattan to assemble the second one. Curran Manufacturing Corporation was born!

Within a few years Bob had sold enough live centers and had earned enough money to buy several used machines and rent a small shop of his own, along the way adding additional live center models to Curran Manufacturing’s offering. Having immigrated to the United States as a boy from Prince Edward Island, Canada, Bob had always had an interest in the British Monarchy. This was reflected in his early live center model names, including “The Regal” and “The Monarch”, and eventually led Bob to rebrand the company as Royal Products.

As Royal Products began to grow, Bob added a second key product line to the company’s offering – 5C collet closers for manual engine lathes. These collet closers became extremely popular for small diameter turning jobs, finding their way into virtually every machine shop in North America and cementing Royal’s position as a trusted American manufacturer of precision workholding products.

Today, more than 70 years after Bob Curran designed, built, and sold his very first live center, Royal’s modern, highly automated factory operates around the clock, producing thousands of metalworking performance accessories designed to optimize CNC machine tool performance, productivity, and profits.

While Royal Products has certainly evolved considerably from its humble beginnings, its founder’s dedication to delivering solutions and being an easy company to do business with remain core values upon which the company continues to build.



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OPTIMIZE MACHINE TOOL PERFORMANCE

For over 70 years, Royal Products has been helping manufacturers squeeze every last drop of performance out of their CNC machine tools. Our broad range of tooling, workholding, automation, and mist-control products help reduce setup times, increase throughput, improve part accuracy, and enable unmanned production. Optimize your production today with Royal Products.

Royal Quick-Grip™ CNC Collet Chucks



- Ten-Second collet changes
- Ultra-precision accuracy – 0.0002" TIR or better
- Industry-leading gripping range – 0.062"
- Superior rigidity, gripping torque, and tool clearance

Royal I.D. Workholding Systems



- Internal gripping offers full machining access to the entire length of the workpiece O.D.
- Parallel expansion for optimum accuracy and gripping torque
- Custom systems available – up to 25" diameter

Royal Mist Collectors



- Low-Cost, highly efficient mist and smoke collectors keep your shop clean and your workers healthy
- Over 150,000 units operating in over 50 countries worldwide
- Exclusive Royal Risk-Free Performance Guarantee

Royal Rota-Rack™ Parts Accumulator



- Safely collects a large volume of finished parts for hours of unmanned production on bar-fed CNC lathes
- Heavy-duty design handles up to 700 lbs. of parts
- Easy to setup and install – no interface with CNC control is required

For Additional Performance Solutions, visit www.royalproducts.com





Bar Capacity: 1.75"
Main Spindle Mount: A2-5
Sub-Spindle Mount: A2-5



Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Order #	Price
A2-5	QG-52 Pull-to-a-Stop Chuck	2.03"	46028	\$4,070



Royal Quick-Grip™ CNC Collet Chucks (Sub-Spindle)*

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	QG-52 Accu-Length™ Chuck	2.03"	46117	\$3,990

*Please review sub-spindle clearances with your Haas sales person prior to purchasing. Alternate models are available.

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-52	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.157" to 2.03"	Varies	\$275
	Quick-Grip Hex Collet	.219" to 1.78"	Varies	\$395
	Quick-Grip Square Collet	.219" to 1.40"	Varies	\$395
	Quick-Grip Emergency Collet	—	44395	\$322
	Quick-Grip Boring Fixture	—	44094	\$213
	Quick-Grip Collet Installation Tool	—	44095	\$598
	Quick-Grip Sub-Spindle Parts Ejector	.018" to 1.25"	44037	\$858
	Quick-Grip Collet Voucher – \$2500 List Price	—	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	—	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	—	CERT10000	\$10,000

Royal Low-Profile CNC Collet Chucks* (Main Spindle)



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	5C Pullback Chuck w/5-inch OAL	1.06"	42053	\$1,630
	16C Pullback Chuck	1.62"	42067	\$2,090
	3J Pullback Chuck	1.75"	42061	\$2,180

Royal Low-Profile CNC Collet Chucks (Sub-Spindle)



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	5C Accu-Length™ Chuck	1.06"	42330	\$5,370
	16C Accu-Length™ Chuck	1.62"	42338	\$5,890
	3J Accu-Length™ Chuck	1.75"	42345	\$6,090



Bar Capacity: 1.75"
Main Spindle Mount: A2-5
Sub-Spindle Mount: A2-5



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-300 Filtermist Unit	30105	\$2,535
Filtermist Starter Kit (208/230V)*	30470	\$595
Filtermist Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers for Tailstock Machines

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
3MT	High-Precision CNC Quad Bearing	465	10663	\$881



Royal Ultimate Multi-Tasking Live Center for Sub-Spindle Machines

Shank Style	Description	Royal Order #	Price
1-1/4"SS	Ultimate Live Center with 1-1/4" Straight Shank	10590	\$1,482



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
3/4" Square	Heavy-Duty Bar Puller	2.25"	43360	\$1,730

► 45-Day Risk Free Performance Guarantee

This no-risk guarantee allows you to run a Royal Collet Chuck in your shop for 45-days, and if you are not 100% satisfied with its performance, we will take it back and arrange for full refund through your Haas distributor.





Bar Capacity: 2.5"
Main Spindle Mount: A2-6
Sub-Spindle Mount: A2-5



Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	QG-65 Pull-to-a-Stop Chuck	2.62"	46017	\$4,660



Royal Quick-Grip™ CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	QG-65 Accu-Length™ Chuck	2.62"	46125	\$4,510

*Please review sub-spindle clearances with your Haas sales person prior to purchasing. Alternate models are available.

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-65	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Sub-Spindle Parts Ejector	0.18" to 1.25"	44044	\$872
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000



Royal Low-Profile CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	5C Pullback Chuck w/6-inch OAL	1.06"	42057	\$2,140
	16C Pullback Chuck	1.62"	42069	\$2,230
	3J Pullback Chuck	1.75"	42063	\$2,350



Royal Low-Profile CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	5C Accu-Length™ Chuck	1.06"	42330	\$5,370
	16C Accu-Length™ Chuck	1.62"	42338	\$5,890
	3J Accu-Length™ Chuck	1.75"	42345	\$6,090



Bar Capacity: 2.5"
Main Spindle Mount: A2-6
Sub-Spindle Mount: A2-5



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-300 Filtermist Unit	30105	\$2,535
Filtermist Starter Kit (208/230V)*	30470	\$595
Filtermist Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers for Tailstock Machines

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
3MT	High-Precision CNC Quad Bearing	465	10663	\$881



Royal Ultimate Multi-Tasking Live Center for Sub-Spindle Machines

Shank Style	Description	Royal Order #	Price
1-1/4"SS	Ultimate Live Center with 1-1/4" Straight Shank	10590	\$1,482



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
3/4" Square	Heavy-Duty Bar Puller	2.25"	43360	\$1,730

► QG Collet Vouchers

Equipping your new CNC with a Royal Quick-Grip™ Collet Chuck but aren't sure which collets to order? Now you can ask your Haas distributor to include a Royal QG Collet Voucher with your machine tool purchase that **you can redeem directly with Royal for the collets you need – when you need them.**





Bar Capacity: 2.5"
Main Spindle Mount: A2-6
Sub-Spindle Mount: A2-5



Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	QG-65 Pull-to-a-Stop Chuck	2.62"	46017	\$4,660



Royal Quick-Grip™ CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	QG-65 Accu-Length™ Chuck	2.62"	46125	\$4,510

Royal Quick-Grip Collets & Accessories



Chuck Type	Description	Capacity	Royal Order #	Price
QG-65	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Sub-Spindle Parts Ejector	0.18" to 1.25"	44044	\$872
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000

Royal Low-Profile CNC Collet Chucks



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	5C Pullback Chuck w/6-inch OAL	1.06"	42057	\$2,140
	16C Pullback Chuck	1.62"	42069	\$2,230
	3J Pullback Chuck	1.75"	42063	\$2,350



Royal Low-Profile CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	5C Accu-Length™ Chuck	1.06"	42330	\$5,370
	16C Accu-Length™ Chuck	1.62"	42338	\$5,890
	3J Accu-Length™ Chuck	1.75"	42345	\$6,090



Bar Capacity: 2.5"
Main Spindle Mount: A2-6
Sub-Spindle Mount: A2-5



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-575 Filtermist Unit	30115	\$3,160
Chip Deflector	30222	\$85
Filtermist Motor Starter Kit (208/230V)*	30470	\$595
Filtermist Motor Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers for Tailstock Machines

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
4MT	Heavy-Duty CNC Spindle Type	1,120	10214	\$1,005



Royal Ultimate Multi-Tasking Live Center for Sub-Spindle Machines

Shank Style	Description	Royal Order #	Price
1-1/4"SS	Ultimate Live Center with 1-1/4" Straight Shank	10590	\$1,482

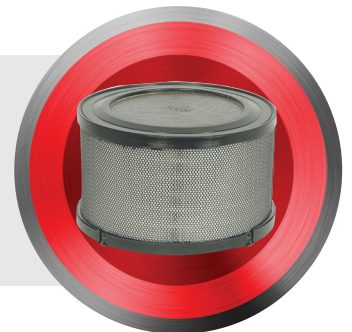


Royal CNC Bar Pullers*

Shank	Description	Capacity	Royal Order #	Price
1" Square	Heavy-Duty Bar Puller	3.50"	43370	\$1,920

► FREE After Filter and Drum Pad Set

For a limited time, Royal Products will include a FREE standard after filter and a FREE set of drum pads with every new Royal Filtermist unit you purchase – **a value worth up to \$390!** For most applications, this means your first-year maintenance is on us. Order today!





Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	QG-80 Pull-to-a-Stop Chuck	3.25"	46020	\$5,120



Royal Quick-Grip™ CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	QG-65 Accu-Length™ Chuck	2.62"	46125	\$4,510

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-80	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.25" to 3.25"	Varies	\$498
	Quick-Grip Hex Collet	.437" to 2.75"	Varies	\$741
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$741
	Quick-Grip Emergency Collet	–	44360	\$546
	Quick-Grip Boring Fixture	–	44088	\$491
	Quick-Grip Collet Installation Tool	–	44099	\$598
QG-65	Quick-Grip Round Collet	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Sub-Spindle Parts Ejector	.18" to 1.25"	44044	\$872
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000

Royal Low-Profile CNC Collet Chucks (Main Spindle)



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	5C Pullback Chuck	1.06"	42056	\$2,440
	16C Pullback Chuck	1.62"	42068	\$2,620
	3J Pullback Chuck	1.75"	42063	\$2,350*
	Spacer Plate A6-2/A2-6	–	44009	\$1,350

*Spacer plate required.

Royal Low-Profile CNC Collet Chucks (Sub-Spindle)



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	5C Accu-Length™ Chuck	1.06"	42330	\$5,370
	16C Accu-Length™ Chuck	1.62"	42338	\$5,890
	3J Accu-Length™ Chuck	1.75"	42345	\$6,090



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-575 Filtermist Unit	30115	\$3,160
Chip Deflector	30222	\$85
Filtermist Motor Starter Kit (208/230V)*	30470	\$595
Filtermist Motor Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers for Tailstock Machines

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
4MT	Heavy-Duty CNC Spindle Type	1,120	10214	\$1,005



Royal Ultimate Multi-Tasking Live Center for Sub-Spindle Machines

Shank Style	Description	Royal Order #	Price
1-1/4"SS	Ultimate Live Center with 1-1/4" Straight Shank	10590	\$1,482



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
1" Square	Heavy-Duty Bar Puller	3.50"	43370	\$1,920

► 45-Day Risk Free Performance Guarantee

This no-risk guarantee allows you to run a Royal Collet Chuck in your shop for 45-days, and if you are not 100% satisfied with its performance, we will take it back and arrange for full refund through your Haas distributor.





Bar Capacity: 4"
Main Spindle Mount: A2-8
Sub-Spindle: A2-5



Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-8	QG-100 Pull-to-a-Stop Chuck	4.03"	46024	\$6,110



Royal Quick-Grip™ CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	QG-65 Accu-Length™ Chuck	2.62"	46125	\$4,510

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-100	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.625" to 4.03"	Varies	\$743
	Quick-Grip Hex Collet	.750" to 3.25"	Varies	\$998
	Quick-Grip Square Collet	1" to 2.76"	Varies	\$998
	Quick-Grip Emergency Collet	–	44367	\$898
	Quick-Grip Boring Fixture	–	44089	\$590
	Quick-Grip Collet Installation Tool	–	44374	\$2,340
QG-65	Quick-Grip Round Collet	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Sub-Spindle Parts Ejector	.18" to 1.25"	44044	\$872
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000



Bar Capacity: 4"
Main Spindle Mount: A2-8
Sub-Spindle: A2-5



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-900 Filtermist Unit	30120	\$3,910
FX-900 Direct Mount Kit	30302	\$105
Chip Deflector	30220	\$85
Filtermist Motor Starter Kit (208/230V)*	30472	\$595
Filtermist Motor Starter Kit (460V)*	30473	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
4MT	Heavy-Duty CNC Spindle Type	1,120	10214	\$1,005



Royal Ultimate Multi-Tasking Live Center for Sub-Spindle Machines

Shank Style	Description	Royal Order #	Price
1-1/4"SS	Ultimate Live Center with 1-1/4" Straight Shank	10590	\$1,482



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
1" Square	Heavy-Duty Bar Puller	4.875"	43376	\$2,320



Royal Quick-Grip™ CNC Collet Chucks

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-8	QG-100 Pull-to-a-Stop Chuck	4.03"	46024	\$6,110



Royal Quick-Grip Collets & Accessories

Collet Type	Description	Capacity	Royal Order #	Price
QG-100	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.625" to 4.03"	Varies	\$743
	Quick-Grip Hex Collet	.75" to 3.25"	Varies	\$998
	Quick-Grip Square Collet	1" to 2.75"	Varies	\$998
	Quick-Grip Emergency Collet	–	44367	\$898
	Quick-Grip Boring Fixture	–	44089	\$590
	Quick-Grip Collet Installation Tool	–	44374	\$2,340
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-900 Filtermist Unit	30120	\$3,910
FX-900 Direct Mount Kit	30302	\$105
Chip Deflector	30220	\$85
Filtermist Motor Starter Kit (208/230V)*	30472	\$595
Filtermist Motor Starter Kit (460V)*	30473	\$595

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
4MT	Heavy-Duty CNC Spindle Type	1,120	10214	\$1,005



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
1" Square	Heavy-Duty Bar Puller	4.875"	43376	\$2,320



Royal Quick-Grip™ CNC Collet Chucks

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-8	QG-100 Pull-to-a-Stop Chuck	4.00"	46024	\$6,110



Royal Quick-Grip Collets & Accessories

Collet Type	Description	Capacity	Royal Order #	Price
QG-100	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.625" to 4.03"	Varies	\$743
	Quick-Grip Hex Collet	.75" to 3.25"	Varies	\$998
	Quick-Grip Square Collet	1" to 2.75"	Varies	\$998
	Quick-Grip Emergency Collet	–	44367	\$898
	Quick-Grip Boring Fixture for machining	–	44089	\$590
	Quick-Grip Collet Installation Tool	–	44374	\$2,340
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-1200 Filtermist Unit	30130	\$4,090
FX-1200 Direct Mount Kit	30304	\$105
Chip Deflector	30220	\$85
FX-1200 Motor Starter Kit (208/230V)*	30472	\$595
FX-1200 Motor Starter Kit (460V)*	30473	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Roto-Shield™ Live Centers

Taper	Description	Max. Load (lbs.)	Royal Order #	Price
5MT	Heavy-Duty CNC Spindle Type	1,930	10215	\$1,363



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
1" Square	Heavy-Duty Bar Puller	4.875"	43376	\$2,320



Bar Capacity: 3"
Main Spindle Mount: A2-6
Sub-Spindle: A2-5



Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	QG-80 Pull-to-a-Stop Chuck	3.25"	46020	\$5,120



Royal Quick-Grip™ CNC Collet Chucks (Sub-Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	QG-80 Accu-Length™ Chuck	3.25"	46160	\$5,240

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-80	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.25" to 3.25"	Varies	\$498
	Quick-Grip Hex Collet	.437" to 2.75"	Varies	\$741
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$741
	Quick-Grip Emergency Collet	–	44360	\$546
	Quick-Grip Boring Fixture	–	44088	\$491
	Quick-Grip Collet Installation Tool	–	44099	\$598
QG-65	Quick-Grip Round Collet	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Sub-Spindle Parts Ejector	.18" to 1.25"	44044	\$872
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000

Royal Low-Profile CNC Collet Chucks (Main Spindle)



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	5C Pullback Chuck	1.06"	42056	\$2,440
	16C Pullback Chuck	1.62"	42068	\$2,620
	3J Pullback Chuck	1.75"	42063	\$2,350*
	Spacer Plate A6-2/A2-6	–	44009	\$1,350

*Spacer Plate required

Royal Low-Profile CNC Collet Chucks (Sub-Spindle)



Chuck Mount	Description	Capacity	Royal Order #	Price
A2-5	5C Accu-Length™ Chuck	1.06"	42330	\$5,370
	16C Accu-Length™ Chuck	1.62"	42338	\$5,890
	3J Accu-Length™ Chuck	1.75"	42344	\$6,090



Bar Capacity: 3"
Spindle Nose Mount: A2-6
Sub-Spindle Mount: A2-5



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-575 Filtermist Unit	30115	\$3,160
Chip Deflector	30222	\$85
Filtermist Motor Starter Kit (208/230V)*	30470	\$595
Filtermist Motor Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Ultimate Multi-Tasking Live Center for Sub-Spindle Machines

Shank Style	Description	Royal Order #	Price
1-1/4"SS	Ultimate Live Center with 1-1/4" Straight Shank	10590	\$1,482



Royal CNC Bar Pullers

Shank	Description	Capacity	Royal Order #	Price
1" Square	Heavy-Duty Bar Puller	3.5"	43370	\$1,920

► QG Collet Vouchers

Equipping your new CNC with a Royal Quick-Grip™ Collet Chuck but aren't sure which collets to order? Now you can ask your Haas distributor to include a Royal QG Collet Voucher with your machine tool purchase that **you can redeem directly with Royal for the collets you need – when you need them.**





Royal Quick-Grip™ CNC Collet Chucks (Main Spindle)

Chuck Mount	Description	Capacity	Royal Order #	Price
A2-6	QG-65 Pull-to-a-Stop Chuck	2.62"	46017	\$4,660

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-65	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Sub-Spindle Parts Ejector	–	44044	\$872
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000



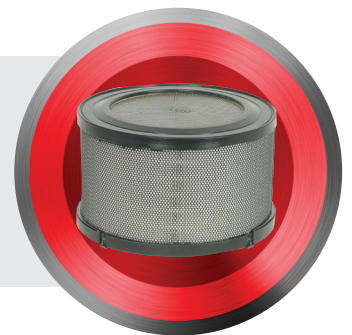
Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-900 Filtermist Unit	30120	\$3,910
FX-900 Direct Mount Kit	30302	\$105
Chip Deflector	30220	\$85
Filtermist Motor Starter Kit (208/230V)*	30472	\$595
Filtermist Motor Starter Kit (460V)*	30473	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.

► FREE After Filter and Drum Pad Set

For a limited time, Royal Products will include a FREE standard after filter and a FREE set of drum pads with every new Royal Filtermist unit you purchase – **a value worth up to \$390!** For most applications, this means your first-year maintenance is on us. Order today!





Royal Quick-Grip Key-Operated Collet Chuck

Description	Capacity	Order #	Price
QG-65 Key Operated Collet Chuck	2.66"	43920	\$4,910
A2-5 Backplate*	N/A	43930	\$990
A2-6 Backplate*	N/A	43932	\$1,080

*Choose appropriate backplate based upon spindle nose of machine

Royal Quick-Grip Collets & Accessories



Collet Type	Description	Capacity	Royal Order #	Price
QG-65	Quick-Grip Round Collet – Smooth & Serrated, Inch & Metric	.187" to 2.62"	Varies	\$322
	Quick-Grip Hex Collet	.312" to 2.25"	Varies	\$498
	Quick-Grip Square Collet	.375" to 1.75"	Varies	\$498
	Quick-Grip Emergency Collet	–	44353	\$362
	Quick-Grip Boring Fixture	–	44083	\$298
	Quick-Grip Collet Installation Tool	–	44098	\$598
	Quick-Grip Collet Voucher – \$2500 List Price	–	CERT2500	\$2,500
	Quick-Grip Collet Voucher – \$5000 List Price	–	CERT5000	\$5,000
	Quick-Grip Collet Voucher – \$10,000 List Price	–	CERT10000	\$10,000

Royal Live Centers



Taper	Description	Max. Load (lbs.)	Royal Order #	Price
4MT	Heavy-Duty CNC Spindle Type	1,120	10214	\$1,005

► 45-Day Risk Free Performance Guarantee

This no-risk guarantee allows you to run a Royal Collet Chuck in your shop for 45-days, and if you are not 100% satisfied with its performance, we will take it back and arrange for full refund through your Haas distributor.

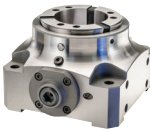




Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-575 Filtermist Unit	30115	\$3,160
Chip Deflector	30222	\$85
Filtermist Motor Starter Kit (208/230V)*	30470	\$595
Filtermist Motor Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

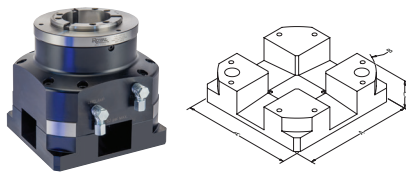


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

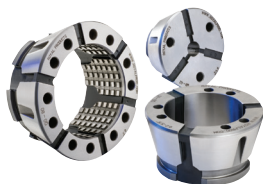
**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation from thru-hole parts.



Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

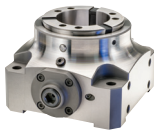
*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX1200 Filtermist Unit	30130	\$4,090
FX-1200 Direct Mount Kit	30304	\$105
Chip Deflector	30220	\$85
Filtermist Starter Kit (208/230V)*	30472	\$595
Filtermist Starter Kit (460V)*	30473	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

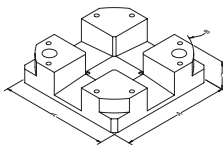
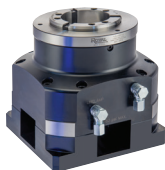


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

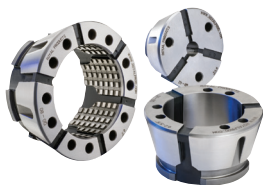
**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation from thru-hole parts.



Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

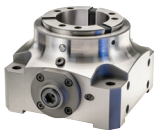
*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-575 Filtermist Unit	30115	\$3,160
Chip Deflector	30222	\$85
Filtermist Starter Kit (208/230V)*	30470	\$595
Filtermist Starter Kit (460V)*	30471	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

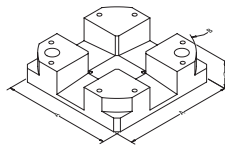
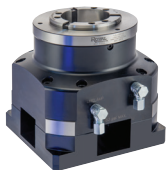


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

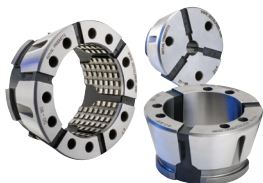
**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation from thru-hole parts.



Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

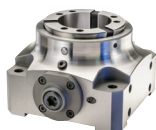
*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-900 Filtermist Unit	30120	\$3,910
FX-900 Direct Mount Kit	30302	\$105
Chip Deflector	30220	\$85
Filtermist Motor Starter Kit (208/230V)*	30472	\$595
Filtermist Motor Starter Kit (460V)*	30473	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

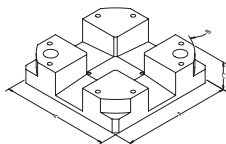
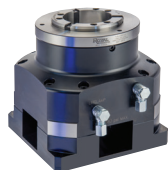


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

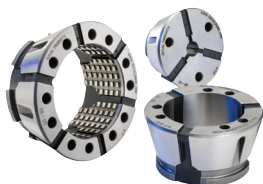
**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation fro thru-hole parts.



Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

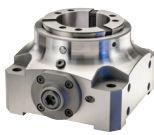
*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Royal Filtermist Mist Collector

Description	Royal Order #	Price
FX-1200 Filtermist Unit	30130	\$4,090
FX-1200 Direct Mount Kit	30304	\$105
Chip Deflector	30220	\$85
Filtermist Motor Starter Kit (208/230V)*	30472	\$595
Filtermist Motor Starter Kit (460V)*	30473	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

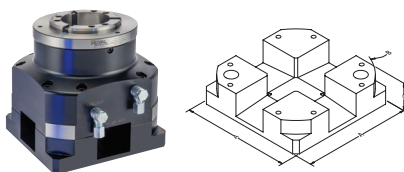


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

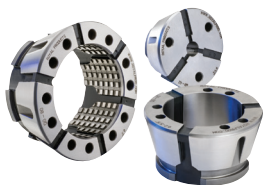
**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation from thru-hole parts.



Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

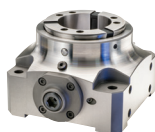
*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Royal Filtermist Mist Collector

Description	Royal Order #	Quantity	Price	Extended
FX1200 Filtermist Unit	30130	1	\$4,090	\$4,090
Cyclonic Swarf Separator	30210	1	\$1,055	\$1,055
Machine Top Stand "B"	30314	1	\$785	\$785
6" Ducting	30342	10	\$17	\$170
6" Ducting Clamps	30352	2	\$7	\$14
6" Flange Adapter	30372	1	\$80	\$80
Filtermist Starter Kit (208/230V)*	30472	1	\$595	\$595
Filtermist Starter Kit (460V)*	30473	1	\$595	

*One starter kit required per Filtermist unit. Please choose the appropriate kit based upon the voltage in your facility.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

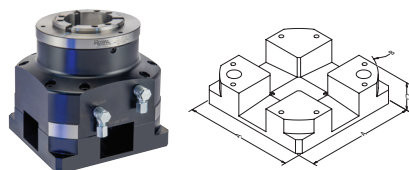


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

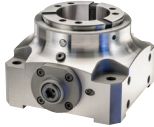
*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation fro thru-hole parts.



Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Royal Quick-Grip Manual Collet Fixtures

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Key-Operated Fixture	1.63"	1.16"	43900	\$3,510
QG-52 Key-Operated Fixture	2.03"	1.37"	43902	\$3,510
QG-65 Key-Operated Fixture	2.63"	1.78"	43904	\$3,710
QG-80 Key-Operated Fixture	3.25"	2.03"	43908	\$5,120
QG-100 Key-Operated Fixture	4.03"	2.78"	43912	\$5,520

*See Royal Products Master catalog for collets, changing tools and accessories.

**Great for job shop applications and this fixture can easily be moved from machine to machine

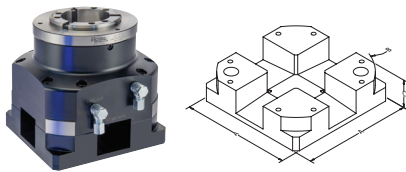


Royal Quick-Grip Hydraulic Collet Fixtures*

Description	Round Capacity	Square Capacity	Royal Order #	Price
QG-42 Hydraulic Collet Fixture	1.63"	1.16"	43950	\$2,980
QG-52 Hydraulic Collet Fixture	2.63"	1.37"	43962	\$2,980
QG-65 Hydraulic Collet Fixture	2.63"	1.78"	43952	\$3,210
QG-80 Hydraulic Collet Fixture	3.25"	2.03"	43954	\$3,610
QG-100 Hydraulic Collet Fixture	4.03"	2.78"	43956	\$4,970

*Optimal for production applications. Requires hydraulic power unit to operate. Please see Royal Products master catalog for specifications or call our applications department at 1-800-645-4174.

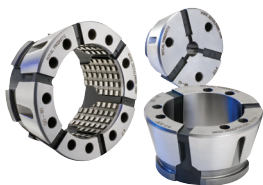
**See Royal Products Master catalog for collets, changing tools and accessories.



Riser Only for Hydraulic Power-Block Collet Fixtures

Description	Royal Order #	Price
QG-42 Hydraulic Power-Block Riser	43970	\$1,098
QG-52 Hydraulic Power-Block Riser	43970	\$1,098
QG-65 Hydraulic Power-Block Riser	43972	\$1,122
QG-80 Hydraulic Power-Block Riser	43974	\$1,194
QG-100 Hydraulic Power-Block Riser	43976	\$1,422

*Increases height of Hydraulic Power-Block for improved tool clearance and chip evacuation from thru-hole parts.



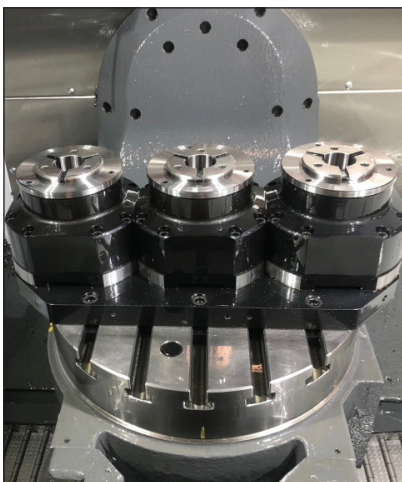
Quick-Grip™ Collet Vouchers

Description	Royal Order #	Price
\$2,500 List Price Collet Voucher	CERT2500	\$2,500
\$5,000 List Price Collet Voucher	CERT5000	\$5,000
\$10,000 List Price Collet Voucher	CERT10000	\$10,000

*Collets and Accessories also available individually. Please see Royal Product Master Catalog for information.



Some of the Many Ways Royal Has Helped Haas Users Maximize Productivity, Performance and Profits!



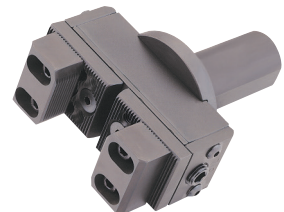


Haas Factory Outlet



Haas Factory Outlet

ROYAL
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Optimize everything.



**METALWORKING PERFORMANCE
ACCESSORIES**