BISON has opened a new sales and distribution facility in the United States. The office was established to better understand and meet the requirements of U.S. endusers, as well as closely support key distribution and OEM partners. The new facility is centrally located in the Cincinnati, Ohio area. The staff at BISON USA welcome the opportunity to help you with your machine tool accessory needs.

BISON USA Corp. is also a member of AMT (The Association for Manufacturing Technology). AMT represents and promotes manufacturing technology and its members who design, build, sell and service the continuously evolving technology that lies at the heart of manufacturing. Membership into AMT provides BISON with further insight into new technologies, additional in-depth understanding of manufacturer's requirements, and a greater knowledge of market trends.

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US-028-2015-0102

BISON

Empowered by precision

- LATHE CHUCKS
- POWER CHUCKS
- VISES — NEW
- MILLING FIXTURES
- VDI TOOLHOLDERS
- SPINDLE TOOLING
- CLAMPING JAWS

2017 PRODUCT OVERVIEW

www.bison-america.com

BISON®

For a complete list of available models, variations and size ranges please visit www.BISON-AMERICA.com

3205 • SELF-CENTERING SCROLL CHUCK • 3-JAW

- Plain back
- Cast iron body
- Hard 2-pc reversible jaws
- Ground working surfaces
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]
7-800-0500	3205-5″	5	1.40
7-800-0600	3205-6″	6	1.65
7-800-0800	3205-8″	8	2.17
7-800-1000	3205-10″	10	2.99
7-800-1200	3205-12″	12	4.06
7-800-1600	3205-16″	16	5.35
7-800-2000	3205-20″	20	7.48
7-800-2500	3205-25″	25	9.92

3545 • SELF-CENTERING SCROLL CHUCK • 3-JAW

- Camlock mounting (Type D)
- Steel body
- Hard 2-pc reversible jaws
- Hardened and ground working surfaces
- Balanced scroll plate

Code No.	Type	Diameter [in]	Through-hole [in]
7-823-0533	3545-5″-3	5	1.26
7-823-0534	3545-5″-4	5	1.26
7-823-0633	3545-6″-3	6	1.65
7-823-0634	3545-6″-4	6	1.65
7-823-0635	3545-6″-5	6	1.65
7-823-0834	3545-8″-4	8	2.17
7-823-0835	3545-8″-5	8	2.17
7-823-0836	3545-8″-6	8	2.17
7-823-1036	3545-10″-6	10	2.99
7-823-1038	3545-10″-8	10	2.99
7-823-1236	3545-12″-6	12	4.06
7-823-1238	3545-12″-8	12	4.06
7-823-1239	3545-12″-11	12	4.06
7-823-1638	3545-16″-8	16	5.35
7-823-1639	3545-16″-11	16	5.35
7-823-2038	3545-20″-8	20	5.35
7-823-2039	3545-20″-11	20	7.48
7-823-2538	3545-25″-8	25	5.35
7-823-2539	3545-25″-11	25	7.48
7-823-2540	3545-25″-15	25	9.92

4304 • INDEPENDENT CHUCK • 4-JAW

- Plain back
- Cast iron body
- Hard solid jaws
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]
7-850-0800	4304-8″	8	1.97
7-850-1000	4304-10″	10	2.56
7-850-1200	4304-12″	12	3.15
7-850-1600	4304-16″	16	3.94
7-850-2000	4304-20″	20	4.92
7-850-2500	4304-25″	25	6.30

3605 • SELF-CENTERING SCROLL CHUCK • 4-JAW

- Plain back
- Cast iron body
- Hard 2-pc reversible jaws
- Ground working surfaces

Code No.	Type	Diameter [in]	Through-hole [in]
7-840-0500	3605-5″	5	1.26
7-840-0600	3605-6″	6	1.65
7-840-0800	3605-8″	8	2.17
7-840-1000	3605-10″	10	2.99
7-840-1200	3605-12″	12	4.06
7-840-1600	3605-16″	16	5.35
7-840-2000	3605-20″	20	7.48
7-840-2500	3605-25″	25	9.92

3565 • SELF-CENTERING SCROLL CHUCK • 3-JAW

- Set-Tru mounting (adjustable)
- Steel body
- Hard 2-pc reversible jaws
- Hardened and ground working surfaces
- Balanced scroll plate

Code No.	Type	Diameter [in]	Through-hole [in]
7-866-0500	3565-5″	5	1.38
7-866-0600	3565-6″	6	1.65
7-866-0800	3565-8″	8	2.17
7-866-1000	3565-10″	10	2.99
7-866-1200	3565-12″	12	4.06
7-866-1600	3565-16″	16	5.35
7-866-2000	3565-20″	20	7.48
7-866-2500	3565-25″	25	9.92

3865 • SELF-CENTERING SCROLL CHUCK • 6-JAW

- Set-Tru mounting (adjustable)
- Steel body
- Hard 2-pc reversible jaws
- Hardened and ground working surfaces
- Balanced scroll plate
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]
7-868-0500	3865-5″	5	1.38
7-868-0600	3865-6″	6	1.65
7-868-0800	3865-8″	8	2.17
7-868-1000	3865-10″	10	2.99
7-868-1200	3865-12″	12	4.06
7-868-1600	3865-16″	16	5.35
7-868-2000	3865-20″	20	7.48
7-868-2500	3865-25″	25	9.92

COLLET CHUCKS

Collet Chuck
Plain Back
3911-5″
Code No.
7-862-0501

Collet Chuck
Tru-Length
3975-5″
Code No.
7-862-0503

For a complete list of available models, variations and size ranges please visit www.BISON-AMERICA.com

3515 HD • OIL COUNTRY SCROLL CHUCK • 3-JAW

- A2 type taper mounting
- Steel body
- Hard 2-pc reversible jaws
- Hardened and ground working surfaces
- Balanced scroll plate
- High gripping force

Code No.	Type	Diameter [in]	Through-hole [in]
7-825-1606	3515-16"-6-4.0" HD	16	4.06
7-825-1608	3515-16"-8-5.3" HD	16	5.35
7-825-1611	3515-16"-11-5" HD	16	5.12
7-825-2011	3515-20"-11-7.5" HD	20	7.56
7-825-2515	3515-25"-15-10.75" HD	25	10.83
7-825-2520	3515-25"-20-12.5" HD	25	12.60
7-825-3215	3515-32"-15-10.75" HD	32	10.75
7-825-3220	3515-32"-20-12.5" HD	32	12.55

3295 • OIL COUNTRY SCROLL CHUCK • 3-JAW

- Plain back
- Cast iron body
- Soft 2-pc reversible jaws
- Hardened and ground working surfaces
- High gripping force
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]
7-819-1600	3295-16"	16	8.66
7-819-2000	3295-20"	20	12.60
7-819-2600	3295-26"	26	15.98
7-819-3200	3295-32"	32	16.14
7-819-4000	3295-40"	40	22.52

3597 • OIL COUNTRY SCROLL CHUCK • 3-JAW

- Plain back
- Steel body
- 2-pc jaws
- Hardened and ground working surfaces
- Balanced scroll plate
- High gripping force
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]
7-819-1200S	3597-12"	12	5.71
7-819-1600S	3597-16"	16	8.66
7-819-2000S	3597-20"	20	12.60
7-819-2600S	3597-26"	26	15.98
7-819-3200S	3597-32"	32	18.11
7-819-4000S	3597-40"	40	22.52

SEMI FINISHED BACKPLATES

Rough Back Plate
8205
Group Code No.
7-870-XXX

For Threaded Spindles
8206
Group Code No.
7-871-XXX

For A1 and A2 Spindles
8212-S
Group Code No.
7-873-XXX

For Camlock (D1) Spindles
8242
Group Code No.
7-878-XXX

4347 HD • INDEPENDENT OIL COUNTRY • 4-JAW

- Camlock mounting (Type D)
- Steel body
- Hard 2-pc reversible jaws
- High gripping force
- Heavy-duty operations

Code No.	Type	Diameter [in]	Through-hole [in]
7-859-6150	4347-16"-8-5.3" HD	16	5.35
7-859-6153	4347-16"-11-6.5" HD	16	6.61
7-859-6200	4347-20"-8-5.3" HD	20	5.35
7-859-6203	4347-20"-11-6.5" HD	20	6.61
7-859-6839	4347-28"-11-7.5" HD	28	7.50

4317 HD • INDEPENDENT OIL COUNTRY • 4-JAW

- A2-type taper mounting
- Steel body
- Hard 2-pc reversible jaws
- High gripping force
- Heavy-duty operations

Code No.	Type	Diameter [in]	Through-hole [in]
7-859-1620	4317-16"-8-5.3" HD	16	5.35
7-859-1625	4317-16"-11-6.5" HD	16	6.61
7-859-2033	4317-20"-11-6.5" HD	20	6.61
7-859-2043	4317-20"-15-8" HD	20	8.07
7-859-2543	4317-25"-15-10.5" HD	25	10.63
7-859-2550	4317-25"-20-10.5" HD	25	10.63
7-859-2555	4317-25"-20-12.5" HD	25	12.60
7-859-2845	4317-28"-15-10.5" HD	28	10.50
7-859-2853	4317-28"-20-12.5" HD	28	12.55
7-859-3243	4317-32"-15-10.5" HD	32	10.50
7-859-3255	4317-32"-20-12.5" HD	32	12.55
7-859-3257	4317-32"-20-14.5" HD	32	14.55
7-859-4063	4317-40"-28-20.5" HD	40	20.86
7-859-4915	4317-49"-15-11" HD	49	11.06

FULLY FINISHED BACKPLATES

For A2 Spindles
8210-X
Group Code No.
7-873-XXXF

For A2 Spindles, SET-TRU
8215
Group Code No.
7-874-XXX

For Camlock (D1) Spindles
8240-X
Group Code No.
7-878-XXXF

For Camlock (D1) Spindles, SET-TRU
8245
Group Code No.
7-875-XXX

For Long Taper (L) Spindles
8250
Group Code No.
7-879-XXX

For a complete list of available models, variations and size ranges please visit www.BISON-AMERICA.com

2405-K • POWER CHUCK • 3-JAW

- **KITAGAWA B-series interchangeable**
- Plain back
- Through-hole
- Alloy steel iron body
- Serration 1.5x60°
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]	Jaw stroke [in]
7-781-0600	2405-160-45K	6	1.77	0.14
7-781-0800	2405-200-52K	8	2.05	0.20
7-781-1000	2405-250-75K	10	2.95	0.24
7-781-1200	2405-315-91K	12	3.58	0.24
7-781-1600	2405-400-120K	16	4.72	0.31

2105-K • POWER CHUCK • 2-JAW

- Plain back
- Through-hole
- Alloy steel iron body
- Serration 1.5x60°
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]	Jaw stroke [in]
7-782-0600	2105-160-45K	6	1.77	0.14
7-782-0800	2105-200-52K	8	2.05	0.20
7-782-1000	2105-250-75K	10	2.95	0.24
7-782-1200	2105-315-91K	12	3.58	0.24

2605-K • POWER CHUCK • 4-JAW

- Plain back
- Through-hole
- Alloy steel iron body
- Serration 1.5x60°
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]	Jaw stroke [in]
7-783-0600	2605-160-45K	6	1.77	0.14
7-783-0800	2605-200-52K	8	2.05	0.20
7-783-1000	2605-250-75K	10	2.95	0.24
7-783-1200	2605-315-91K	12	3.58	0.24

2405-K ZW • POWER CHUCK • 3-JAW

- **KITAGAWA BB-series interchangeable**
- Plain back
- Large through-hole
- Alloy steel iron body
- Serration 1.5x60°
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]	Jaw stroke [in]
7-781-0660	2405-160-53K ZW	6	2.09	0.14
7-781-0880	2405-200-66K ZW	8	2.60	0.20
7-781-1010	2405-250-81K ZW	10	3.19	0.24
7-781-1220	2405-315-110K ZW	12	4.33	0.24

2500 • PNEUMATIC POWER CHUCK • 3-JAW

- Plain back
- O.D. clamping
- Rapid and slow clamping jaw stroke
- Large through-hole
- Alloy steel iron body
- Serration 1/16"x90°
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]	Jaw stroke [in]
7-785-1600	2500-400-140	18.39	5.51	0.75
7-785-2000	2500-500-230	22.44	9.06	1.00
7-785-2500	2500-630-325	26.97	12.80	1.01
7-785-3200	2500-800-375	33.46	14.76	1.01
7-785-4000	2500-1000-560	36.42	22.05	1.01

2502 • PNEUMATIC POWER CHUCK • 3-JAW

- Plain back
- I.D and O.D. clamping
- Large through-hole
- Alloy steel iron body
- Serration 1/16"x90°
- Backplates required

Code No.	Type	Diameter [in]	Through-hole [in]	Jaw stroke [in]
7-785-0600	2502-160-38	10.04	1.50	0.14
7-785-0800	2502-200-52	11.81	2.05	0.20
7-785-1000	2502-250-65	14.65	2.56	0.20
7-785-1000R	2502-250-68	14.65	2.68	0.20
7-785-1200R	2502-315-105	14.65	4.13	0.24
7-785-1600R	2502-400-140	18.39	5.51	0.28
7-785-2000R	2502-500-230	22.44	9.06	0.33
7-785-2500R	2502-630-330	26.97	12.99	0.39
7-785-3240R	2502-800-365	33.46	14.37	0.39
7-785-3260R	2502-800-410	33.46	16.14	0.39
7-785-4000R	2502-1000-560	36.42	22.05	0.39

TOP JAWS FOR POWER CHUCKS

- Metric serration 1.5x60°
- Kitagawa compatiable

Chuck size	Code No. Hard Top Jaws	Code No. Soft Top Jaws
2405-160-45K	7-787-306	7-788-306
2405-200-52K	7-787-308	7-788-308
2405-250-75K	7-787-310	7-788-310
2405-315-91K	7-787-312	7-788-312

For a complete list of available models, variations and size ranges please visit www.BISON-AMERICA.com

6516 • MACHINE VISE

- A unique, built-in hydraulic spindle
- Easy adjusting of clamping range by means of 2 pins
- Sturdy, maintenance-free spindle

Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-251-005	6516-M125	5	8.07
7-251-006	6516-M160	6	11.02
7-251-008	6516-M200	8	14.76

6512 • MACHINE VISE

- Lead screw protected against dirt and chips
- Body and movable jaw are high quality castings

Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-222-005	6512-100	4	3.15
7-222-010	6512-125	5	3.74
7-222-015	6512-160	6	4.92
7-222-020	6512-200	8	6.30
7-222-025	6512-250	10	7.87

6522 • TWO-PIECE MACHINE VISE

- Allows full use of machine bed length
- Removable grooved jaw inserts
- Made of high quality castings

Code No.	Type	Jaw insert width [in]	Clamping force [ft-lbs]
7-255-006	6522-160	6	9.000
7-255-008	6522-200	8	11.250

6546 • VISE FOR SHAFTS

- Able to be set up in both horizontal and vertical positions
- Hardened and ground jaw inserts and V-block
- Sturdy, cast iron design

Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-225-004	6546-100	4	0.39-2.36
7-225-005	6546-125	5	0.59-3.94
7-225-006	6546-160	6	1.97-6.30

1271 • HEAVY DUTY ALL AXIS VISE

- Rotates in horizontal and vertical axis
- Can clamp round workpieces in V-shaped jaws
- Lead screw completely covered to keep contaminants out

Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-245-005	1271-125	5	5.9

NEW 6651 • PRECISION ADJUSTABLE VISE NEW

- Self-Centering module with jaw insert
- No workpiece distortion when using a combination of several vises
- Easy clamping of long workpieces
- Reduced cost of tooling / setup time

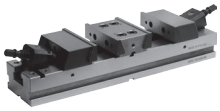
Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-224-004	6651-100-230	4	2.56
7-224-005	6651-125-300	5	5.12
7-224-006	6651-150-350	6	6.89

6620 • PRECISION VISE

- Reversible fixed jaw
- Quick re-adjustable, self-adjusting movable jaws
- Made of high-grade alloy steel, stabilized and hardened

Code No.	Type	Jaw insert width [in]	Length [in]	Clamping range [in]
7-223-040	6620-100-320-165	4	12.60	6.50
7-223-050	6620-125-335-165	5	13.19	6.50
7-223-060	6620-160-425-210	6	16.73	8.27
7-223-062	6620-160-475-260	6	18.70	10.24
7-223-063	6620-160-520-305	6	20.47	12.01
7-223-080	6620-200-535-260	8	21.06	10.24
7-223-082	6620-200-585-310	8	23.03	12.20
7-223-085	6620-200-635-360	8	25.00	14.17

6632 • PRECISION VISE



- Reversible fixed jaw
- Quick re-adjustable, self-adjusting movable jaws
- Made of high-grade alloy steel, stabilized and hardened

Code No.	Type	Jaw insert width [in]	Length [in]	Clamping range [in]
7-223-305	6632-125-465-90	5	18.31	3.54

6552 • TOOLMAKER VISE

- Used for precision grinding, milling and measuring work
- Made of alloy tool steel, hardened and precision ground

Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-200-002	6652-63	2.48	1.97
7-200-003	6552-80	3.15	2.48
7-200-004	6552-100	3.94	3.15

6531 • SELF-CENTERING MACHINE VISE

- 360° swivel base with ground contact edge and graduation
- Removable grooved jaw inserts are hardened and ground

Code No.	Type	Jaw insert width [in]	Clamping range [in]
7-210-005	6531-125	5	4
7-210-006	6531-160	6	5
7-210-008	6531-200	8	6

For a complete list of available models, variations and size ranges please visit www.BISON-AMERICA.com

HARD TOP JAWS FOR SCROLL CHUCKS

- Hardened and ground

Size	Code No. 3-Jaw	Code No. 4-Jaw
SGT 3200 3500-5″	7-883-305	7-883-405
SGT 3200 3500-6″	7-883-306	7-883-406
SGT 3200 3500-8″	7-883-308	7-883-408
SGT 3200 3500-10″	7-883-310	7-883-410
SGT 3200 3500-12″	7-883-312	7-883-412
SGT 3200 3500-16″	7-883-316	7-883-416
SGT 3200 3500-20″	7-883-320	7-883-420
SGT 3200 3500-25″ 32″	7-883-325	7-883-425

SOFT TOP JAWS FOR LATHE CHUCKS

- Hardened tenon

Size	Code No. 3-Jaw	Code No. 4-Jaw
SGM 3200 3500-5″	7-884-305	7-884-405
SGM 3200 3500-6″	7-884-306	7-884-406
SGM 3200 3500-8″	7-884-308	7-884-408
SGM 3200 3500-10″	7-884-310	7-884-410
SGM 3200 3500-12″	7-884-312	7-884-412
SGM 3200 3500-16″	7-884-316	7-884-416
SGM 3200 3500-20″	7-884-320	7-884-420
SGM 3200 3500-25″ 32″	7-884-325	7-884-425

MASTER JAWS FOR LATHE CHUCKS

- Hardened and ground

Size	Code No. 3-Jaw	Code No. 4-Jaw
SP 3200 3500-5″	7-885-305	7-885-405
SP 3200 3500-6″	7-885-306	7-885-406
SP 3200 3500-8″	7-885-308	7-885-408
SP 3200 3500-10″	7-885-310	7-885-410
SP 3200 3500-12″	7-885-312	7-885-412
SP 3200 3500-16″	7-885-316	7-885-416
SP 3200 3500-20″	7-885-320	7-885-420
SP 3200 3500-25″ 32″	7-885-325	7-885-425

5818 • TAILSTOCK

- This tailstock is designed for use with indexing fixtures, rotary tables and dividing heads

Code No.	Type	Center Height [in]	Morse Taper
7-610-103	5818-80	3.15	1
7-610-104	5818-100	3.94	2
7-610-106	5818-125	4.92	2
7-610-108	5818-160	6.30	3
7-610-110	5818-200	7.87	4
7-610-112	5818-250	9.84	4

9171 MSPD • BOX JAW WITH POWER SCREW

- JAKOB® power-clamping MSPD screw
- Increased Clamping force up to 90000 lbf
- High clamping force obtained with minimum operator effort
- Primarily suited for integration with face plates

Code No.	Type	Clamping force [lbf]
7-643-2500	9171-630-40T MSPD	90000

9170 • BOX JAW

- Cast iron body, hardened and ground guideways
- Hardened reversible clamping jaws HRC 57÷60
- Primarily suited for integration with face plates

Code No.	Type	Clamping force [lbf]
7-645-006	9170-150	6300
7-645-008	9170-200	7900

5901-5911 • SUPERSPACERS

- Can work in horizontal or vertical position
- Basic indexing - which is done by means of catch device in 2, 3, 4, 6, 8, 12 and 24 divisions
- Indexing accuracy 2′
- Chuck not inluded in set

Code No.	Type	Chuck Diameter [in]	Center Height [in]
7-609-014	5901-4″	5	3.94
7-609-016	5901-5″	6	4.92
7-609-018	5901-6″	8	6.30
7-609-020	5911-8″	10	7.87
7-609-022	5911-10″	12	9.84

8292 • HAAS HRT BACKPLATES

- Designed to interface BISON chucks to HAAS HRT Rotary Tables

Code No.	HAAS Rotary Table Type	BISON Chuck Code No.
7-872-204	HRT110	7-866-8040
7-872-206	HRT160	7-866-0600
7-872-208	HRT210	7-866-0800
7-872-210	HRT310	7-866-1000
7-872-212	HRT310	7-866-1200
7-872-215	HRT450	7-866-1600
7-872-216S	HRT450	7-819-1600S
7-872-216	HRT450	7-819-1600
7-872-220	HRT600	7-866-2000

For a complete list of available models, variations and size ranges please visit www.BISON-AMERICA.com

8811 • PRECISION LIVE CENTER

- Equipped with three precise high-quality bearings protected by a special steel shield and neoprene seal

Code No.	Type	T.I.R. [in]	Max load [lbs]	Max RPM
7-565-001	8811-1	0.0003	220	5000
7-565-002	8811-2	0.0003	400	5000
7-565-003	8811-3	0.0003	995	4000
7-565-004	8811-4	0.0003	2205	3000
7-565-005	8811-5	0.0004	4190	2500
7-565-006	8811-6	0.0004	8160	2000

8811-P • SUPER PRECISION LIVE CENTER

- Equipped with three super precise high-quality bearings protected by a special steel shield and neoprene seal

Code No.	Type	T.I.R. [in]	Max load [lbs]	Max RPM
7-565-101	8811-1	0.0002	220	5000
7-565-102	8811-2	0.0001	400	5000
7-565-103	8811-3	0.0001	995	4000
7-565-104	8811-4	0.0001	2205	3000
7-565-105	8811-5	0.0002	4190	2500
7-565-106	8811-6	0.0002	8160	2000

8823 • ULTRA PRECISION HD LIVE CENTER

- Adjustable, ultra precise radial bearing significantly reduces run out

Code No.	Type	T.I.R. [in]	Max load [lbs]	Max RPM
7-567-002	8823-2	0.0002	220	8000
7-567-003	8823-3	0.0001	440	6000
7-567-004	8823-4	0.0001	880	4500
7-567-005	8823-5	0.0001	1430	4000
7-567-006	8823-6	0.0001	3080	3000

8832 • LIVE CENTER

- Set includes the main center body and seven different style inserts

Code No.	Type	T.I.R. [in]	Max load [lbs]	Max RPM
7-570-002	8832-2	0.0008	220	5000
7-570-003	8832-3	0.0008	440	4000
7-570-004	8832-4	0.0008	880	3000
7-570-005	8832-5	0.0012	1770	2500
7-570-006	8832-6	0.0012	3550	2000

8825 • BULL HEAD LIVE CENTER

- Centers are designed to hold pipes and hollow work

Code No.	Type	T.I.R. [in]	Max load [lbs]	Max RPM
7-575-010	8825-1	0.0003	220	5000
7-575-020	8825-2	0.0003	400	5000
7-575-021	8825-2-1	0.0003	660	4500
7-575-030	8825-3	0.0003	770	4500
7-575-031	8825-3-1	0.0003	1210	3000
7-575-040	8825-4	0.0003	1320	3000
7-575-042	8825-4-2	0.0004	1540	3000
7-575-051	8825-5-1	0.0008	1653	2000
7-575-060	8825-6	0.0020	4400	1000

8410 • AUTOMATIC FACE DRIVER

- Carrier teeth based on hydro-plastic medium adjust automatically to work piece
- Specially suited for repetition work
- Spring loaded center

Code No.	Type	Clamping Range	Max load [lbs]	Max Axial Load [lbs]
7-590-041	8410-4-1	1.18 - 1.97	121	2204
7-590-043	8410-4-3	1.65 - 3.94	143	2645
7-590-051	8410-5-1	1.18 - 1.97	121	2204
7-590-053	8410-5-3	1.65 - 3.94	141	2645
7-590-054	8410-5-4	2.05 - 4.72	220	4409

Bison offers a wide range of rotary tooling for the most popular mounting standards:

- CAT V-Flange
- BT Flange
- HSK Flange
- NMTB Flange
- R8 Shank
- Morse Taper Shank

These include:

- ER Collet Chucks
- TG Collet Chucks
- End Mill Holders
- Shell Mill Holders
- Drill Chucks
- Stub Arbor Holders
- ER Collets and 16C Collets