



MANUAL CHUCKS



POWER CHUCKS & CYLINDERS



STATIONARY WORKHOLDING



LIVE & DEAD CENTERS



TOOLHOLDERS

BISON

2023



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
- Front mount options available
- Cast iron body - Forged steel available
- Hard 2-piece reversible jaws
- Hardened and ground working surfaces
- Backplate required

Code No.		Details	
Rear Mount	Front Mount	Diameter [in]	Through-hole [in]
7-800-0500	7-812-0500	5	1.26
7-800-0600	7-812-0600	6	1.65
7-800-0800	7-812-0800	8	2.17
7-800-1000	7-812-1000	10	2.99
7-800-1200	7-812-1200	12	4.06
7-800-1600	7-812-1600	16	5.35
7-800-2000	7-812-2000	20	7.48
7-800-2500	7-812-2500	25	9.92

3545 • SELF-CENTERING SCROLL CHUCK • 3-JAW



- Camlock mounting (Type D)
- Forged Steel body - Cast iron available
- Hard 2-piece reversible jaws
- Hardened and ground working surfaces
- Balanced scroll plate

Code No.	Mounting	Diameter [in]	Through-hole [in]
7-823-0533	D1-3	5	1.26
7-823-0534	D1-4	5	1.26
7-823-0633	D1-3	6	1.65
7-823-0634	D1-4	6	1.65
7-823-0635	D1-5	6	1.65
7-823-0834	D1-4	8	2.17
7-823-0835	D1-5	8	2.17
7-823-0836	D1-6	8	2.17
7-823-1036	D1-6	10	2.99
7-823-1038	D1-8	10	2.99
7-823-1236	D1-6	12	4.06
7-823-1238	D1-8	12	4.06
7-823-1239	D1-11	12	4.06
7-823-1638	D1-8	16	5.35
7-823-1639	D1-11	16	5.35
7-823-2038	D1-8	20	5.35
7-823-2039	D1-11	20	7.48
7-823-2538	D1-8	25	5.35
7-823-2539	D1-11	25	7.48
7-823-2540	D1-15	25	9.92

4304 • 4307 • INDEPENDENT CHUCK • 4-JAW



- Plain back
- Backplate required
- Cast iron: hard solid reversible jaws
- Forged steel: hard 2-piece reversible jaws

Cast Iron No.	Forged Steel No.	Diameter [in]	Through-hole [in]
7-850-0800	7-855-0800F	8	1.97
7-850-1000	7-855-1000F	10	2.56
7-850-1200	7-855-1200F	12	3.15
7-850-1600	7-855-1600F	16	3.94
7-850-2000	7-855-2000F	20	4.92
7-850-2500	7-855-2500F	25	6.30

3605 • SELF-CENTERING SCROLL CHUCK • 4-JAW



- Plain back
- Front mount options available
- Cast iron body - Forged steel available
- Hard 2-piece reversible jaws
- Hardened and ground working surfaces
- Backplate required

Code No.		Details	
Rear Mount	Front Mount	Diameter [in]	Through-hole [in]
7-840-0500	7-814-0500	5	1.26
7-840-0600	7-814-0600	6	1.65
7-840-0800	7-814-0800	8	2.17
7-840-1000	7-814-1000	10	2.99
7-840-1200	7-814-1200	12	4.06
7-840-1600	7-814-1600	16	5.35
7-840-2000	7-814-2000	20	7.48
7-840-2500	7-814-2500	25	9.92

3565 • SET-TRU ADJUSTABLE SCROLL CHUCK • 3-JAW



- Set-Tru mounting (adjustable)
- $\pm 0.0002"$ T.I.R.
- Hard 2-piece reversible jaws
- Forged steel body
- Balanced scroll plate
- Hardened and ground working surfaces
- Backplate required

Code No.	RPM	Diameter [in]	Through-hole [in]
7-866-0500	5,500	5	1.38
7-866-0600	4,600	6	1.65
7-866-0800	4,000	8	2.17
7-866-1000	3,500	10	2.99
7-866-1200	2,800	12	4.06
7-866-1600	2,000	16	5.35
7-866-2000	1,300	20	7.48
7-866-2500	1,000	25	9.92

3865 • SET-TRU ADJUSTABLE SCROLL CHUCK • 6-JAW



- Set-Tru mounting (adjustable)
- $\pm 0.0002"$ T.I.R.
- Hard 2-piece reversible jaws
- Forged steel body
- Balanced scroll plate
- Hardened and ground working surfaces
- Backplate required

Code No.	RPM	Diameter [in]	Through-hole [in]
7-868-0500	3,800	5	1.38
7-868-0600	3,200	6	1.65
7-868-0800	2,800	8	2.17
7-868-1000	2,400	10	2.99
7-868-1200	1,900	12	4.06
7-868-1600	1,400	16	5.35
7-868-2000	900	20	7.48
7-868-2500	700	25	9.92

5C COLLET CHUCKS



Plain Back
3911-5"
Code No.
7-862-0501



Tru-Length
3975-5"
Code No.
7-862-0503



SET-TRU
3960-5"
Code No.
7-862-0505

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3515 HD • OIL COUNTRY SCROLL CHUCK • 3-JAW



- A2 type direct mount
- Forged steel body
- Hard 2-piece reversible jaws
- Hardened and ground working surfaces
- Balanced scroll plate
- High gripping force

Code No.	Mounting	Diameter [in]	Through-hole [in]
7-825-1608	A2-8	16	5.35
7-825-1611	A2-11	16	5.12
7-825-2011	A2-11	20	7.56
7-825-2025	A2-15	20	8.00
7-825-2515	A2-15	25	10.83
7-825-2520	A2-20	25	12.60
7-825-3215	A2-15	32	10.75
7-825-3220	A2-20	32	12.55

3295 • OIL COUNTRY SCROLL CHUCK • 3-JAW



- Plain back
- Cast Iron body
- Large through hole
- Backplate required
- Soft top jaws included
- Hardened and ground working surfaces

Code No.	Clamping Range	Diameter [in]	Through-hole [in]
7-819-1600	5.43" - 10.08"	16	8.66
7-819-2000	9.84" - 14.96"	20	12.60
7-819-2600	14.80" - 19.57"	26	15.98
7-819-3200	7.40" - 22.25"	32	16.14

3597 • OIL COUNTRY SCROLL CHUCK • 3-JAW



- Plain back
- Forged steel body
- Large through hole
- Backplate required
- Hard and soft top jaws included
- Hardened and ground working surfaces

Code No.	Clamping Range	Diameter [in]	Through-hole [in]
7-819-1200S	1.57" - 12.40"	12	5.71
7-819-1600S	5.43" - 15.98"	16	8.66
7-819-2000S	10.39" - 20.31"	20	12.60
7-819-2600S	13.74" - 24.80"	26	15.98
7-819-3200S	10.25" - 18.10"	32	18.11
7-819-4000S	13.75" - 39.25"	40	22.52

SEMI FINISHED BACKPLATES



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



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



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



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

4347 HD • INDEPENDENT OIL COUNTRY • 4-JAW



- Camlock (D type) direct mount
- Forged steel body
- Hard 2-piece reversible jaws
- Hardened and ground working surfaces
- High gripping force
- Heavy-duty design

Code No.	Mounting	Diameter [in]	Through-hole [in]
7-859-6150	D1-8	16	5.35
7-859-6153	D1-11	16	6.61
7-859-6200	D1-8	20	5.35
7-859-6203	D1-11	20	6.61
7-859-6839	D1-11	28	7.56

4317 HD • INDEPENDENT OIL COUNTRY • 4-JAW



- A2 type direct mount
- Forged steel body
- Hard 2-piece reversible jaws
- Hardened and ground working surfaces
- High gripping force
- Heavy-duty design

Code No.	Mounting	Diameter [in]	Through-hole [in]
7-859-1620	A2-8	16	5.35
7-859-1625	A2-11	16	6.61
7-859-2033	A2-11	20	6.61
7-859-2043	A2-15	20	8.07
7-859-2543	A2-15	25	10.63
7-859-2550	A2-20	25	10.63
7-859-2555	A2-20	25	12.60
7-859-2845	A2-15	28	10.50
7-859-2853	A2-20	28	12.55
7-859-3243	A2-15	32	10.50
7-859-3255	A2-20	32	12.55
7-859-3257	A2-20	32	14.55
7-859-4043	A2-15	40	10.50
7-859-4063	A2-28	40	20.86
7-859-4915	A2-15	49	11.06

FULLY FINISHED BACKPLATES



A2 Spindles
8210-X
Group Code No.
7-873-XXX



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



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



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



Faceplate For Indexing Fixtures
9440
Group Code No.
7-610-5XX



Baseplate For Milling Machines
9450 / 9452
Group Code No.
7-630-XXX



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8292 • HAAS CHUCK PACKAGES • 3-JAW



- Chuck packages for HAAS Rotary Tables
- Includes: BISON chuck, adapter plate & mounting hardware
- Alternate packages available upon request
- Available with 3 or 6 jaw chucks



Code No.	HAAS Rotary Table	Description
7-950-110	HRT-110	BISON 4" Steel Body 3-Jaw SET-TRU Scroll Chuck Package
7-950-160	HRT-160, TR-160, TR-200Y	BISON 6" Steel Body 3-Jaw SET-TRU Scroll Chuck Package
7-950-210	HRT-210, TR-210	BISON 8" Steel Body 3-Jaw SET-TRU Scroll Chuck Package
7-950-310	HRT-310, HRT-310SP, TR-310	BISON 10" Steel Body 3-Jaw SET-TRU Scroll Chuck Package
7-950-312	HRT-310, HRT-310SP, TR-310	BISON 12" Steel Body 3-Jaw SET-TRU Scroll Chuck Package
7-950-450	HRT-450	BISON 16" Steel Body 3-Jaw SET-TRU Scroll Chuck Package
7-950-451	HRT-450	BISON 16" Steel Body 8.6" Thru-Hole 3-Jaw Scroll Chuck Package
7-950-452	HRT-450	BISON 16" Semi-Steel Body 8.6" Thru-Hole 3-Jaw Scroll Chuck Package
7-950-600	HRT-600	BISON 20" Steel Body 3-Jaw SET-TRU Scroll Chuck Package

9154 • ROTATING CHUCKS FOR TAILSTOCKS • 3-JAW



- Rotating chuck packages for tailstocks
- Includes: BISON chuck, rotating body & mounting hardware
- Alternate packages available upon request
- Available with 3 or 6 jaw chucks
- Rotating body available separately

Solid Jaws Non-SET-TRU Code No.	2-Piece Jaws Non-SET-TRU Code No.	SET-TRU Code No.	Morse Taper	Chuck Size [in]
7-860-0300	—	—	2	3
7-860-0400	—	7-861-0400	3	4
7-860-0500	7-865-0500	7-861-0500	4	5
7-860-0600	7-865-0600	7-861-0600	5	6

MASTER JAWS FOR LATHE CHUCKS



- Standard tongue and groove
- For 3-, 4-, and 6-jaw scroll chucks
- Hardened and ground
- Jaws sold in sets

Chuck Size [in]	Code No. 3-Jaw	Code No. 4-Jaw	Code No. 6-Jaw
5	7-885-305	7-885-405	7-885-605
6	7-885-306	7-885-406	7-885-606
8	7-885-308	7-885-408	7-885-608
10	7-885-310	7-885-410	7-885-610
12	7-885-312	7-885-412	7-885-612
16	7-885-316	7-885-416	7-885-616
20	7-885-320	7-885-420	7-885-620
25	7-885-325	7-885-425	7-885-625
32	7-885-332	7-885-432	7-885-632
40	7-885-340	7-885-440	7-885-640

HARD TOP JAWS FOR SCROLL CHUCKS



- Standard tongue and groove
- For 3-, 4-, and 6-jaw scroll chucks
- Hardened and ground
- Jaws sold in sets

Chuck Size [in]	Code No. 3-Jaw	Code No. 4-Jaw	Code No. 6-Jaw
5	7-883-305	7-883-405	7-883-605
6	7-883-306	7-883-406	7-883-606
8	7-883-308	7-883-408	7-883-608
10	7-883-310	7-883-410	7-883-610
12	7-883-312	7-883-412	7-883-612
16	7-883-316	7-883-416	7-883-616
20	7-883-320	7-883-420	7-883-620
25	7-883-325	7-883-425	7-883-625
32	7-883-325	7-883-432	7-883-632
40	7-883-340	7-883-440	7-883-640

SOFT TOP JAWS FOR LATHE CHUCKS



- Standard tongue and groove
- For 3-, 4-, and 6-jaw scroll chucks
- Hardened tenon
- Jaws sold individually

Chuck Size [in]	Code No. 3-Jaw	Code No. 6-Jaw
5	7-884-305	7-884-605
6	7-884-306	7-884-606
8	7-884-308	7-884-608
10	7-884-310	7-884-610
12	7-884-312	7-884-612
16	7-884-316	7-884-616
20	7-884-320	7-884-620
25	7-884-325	7-884-625
32	7-884-332	7-884-632
40	7-884-340	7-884-632

2105-K • POWER CHUCK • 2-JAW



- Plain back
- Through-hole
- Forged alloy steel body
- Serration 1.5 x 60°
- Backplate required

Code No.	Diameter [mm]	Through-hole [mm]	Jaw stroke [mm]
7-782-0500	135	34	2.7
7-782-0600	169	45	3.5
7-782-0800	210	52	5
7-782-1000	254	75	6
7-782-1200	315	91	6

2605-K • POWER CHUCK • 4-JAW



- Plain back
- Through-hole
- Forged alloy steel body
- Serration 1.5 x 60°
- Backplate required

Code No.	Diameter [mm]	Through-hole [mm]	Jaw stroke [mm]
7-783-0500	135	34	2.7
7-783-0600	169	45	3.5
7-783-0800	210	52	5
7-783-1000	254	75	6
7-783-1200	315	91	6

2305 • QUICK JAW CHANGE POWER CHUCK • 3-JAW



- Plain back
- Through-hole
- Forged alloy steel body
- Quick jaw replacement
- Backplate required

Code No.	Diameter [mm]	Through-hole [mm]	Jaw stroke [mm]
7-770-0800	206	45	7.2
7-770-1000	257	72	8.3
7-770-1200	315	91	8.3

TOP JAWS FOR POWER CHUCKS



- For 3-jaw power chucks
- Metric serration 1.5 x 60°
- Kitagawa compatible

Chuck size [mm]	Code No. Hard Top Jaws	Code No. Soft Top Jaws
160	7-787-306	7-788-306
200	7-787-308	7-788-308
250	7-787-310	7-788-310
315	7-787-312	7-788-312
400	7-787-316	7-788-316

2405-K • POWER CHUCK • 3-JAW



- KITAGAWA B-series interchangeable
- Plain back
- Through-hole
- Forged alloy steel body
- Serration 1.5 x 60°
- Backplate required

Code No.	Diameter [mm]	Through-hole [mm]	Jaw stroke [mm]
7-781-0500	135	34	2.7
7-781-0600	169	45	3.5
7-781-0800	210	52	5
7-781-1000	254	75	6
7-781-1200	315	91	6
7-781-1600	400	120	7.85

Big Bore Model Available on Request -Kitagawa BB Series

2502 • PNEUMATIC POWER CHUCK • 3-JAW



- Plain back
- I.D and O.D. clamping
- Large through-hole
- Forged alloy steel body
- Serration 1/16" x 90°
- Backplate required

Code No.	Diameter [mm]	Through-hole [mm]	Jaw stroke [mm]
7-785-0600	255	38	3.5
7-785-0800	300	52	5
7-785-1000	372	65	5
7-785-1000R	372	68	5
7-785-1200R	372	104	6
7-785-1600R	467	140	7
7-785-2000R	570	230	8.5
7-785-2500R	685	330	10
7-785-3240R	850	365	10
7-785-3260R	850	410	10
7-785-4000R	925	560	10

2500 • PNEUMATIC POWER CHUCK • 3-JAW



- Plain back
- O.D. clamping
- Rapid and slow clamping jaw stroke
- Large through-hole
- Forged alloy steel body
- Serration 1/16" x 90°
- Backplate required

Code No.	Diameter [mm]	Through-hole [mm]	Jaw stroke [mm]
7-785-1600	467	140	19
7-785-2000	570	230	25.4
7-785-2500	685	325	25.4
7-785-3200	850	375	25.4
7-785-4000	925	560	25.4

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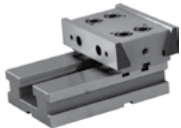
6622 • MACHINE VISE



- Modular clamping system, movable jaw element
- Used in conjunction with fixed element 6624
- Quick jaw location adjustment and clamping

Code No.	Type	Max clamping force [lbf]	Clamping range [in]
7-223-124	6622-100	4,496	-
7-223-125	6622-125	6,744	-
7-223-126	6622-150	9,217	-
7-223-128	6622-200	10,116	-

6624 • MACHINE VISE



- Modular clamping system, fixed jaw element
- Used in conjunction with movable element 6622
- Two sided fixed jaw for fixturing flexibility

Code No.	Type	Max clamping force [lbf]	Clamping range [in]
7-223-144	6624-100	4,496	-
7-223-145	6624-125	6,744	-
7-223-146	6624-150	8,992	-
7-223-148	6624-200	10,116	-

6522 • TWO-PIECE MACHINE VISE



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

Code No.	Max clamping force [lbf]	Jaw insert width [in]	Jaw insert height [in]
7-255-006	9,000	6	2
7-255-008	11,250	8	2.50

6523 • HOLD-TIGHT MACHINE VISE



- Possible to secure the jaws in 4 different positions
- Made of high quality cast iron

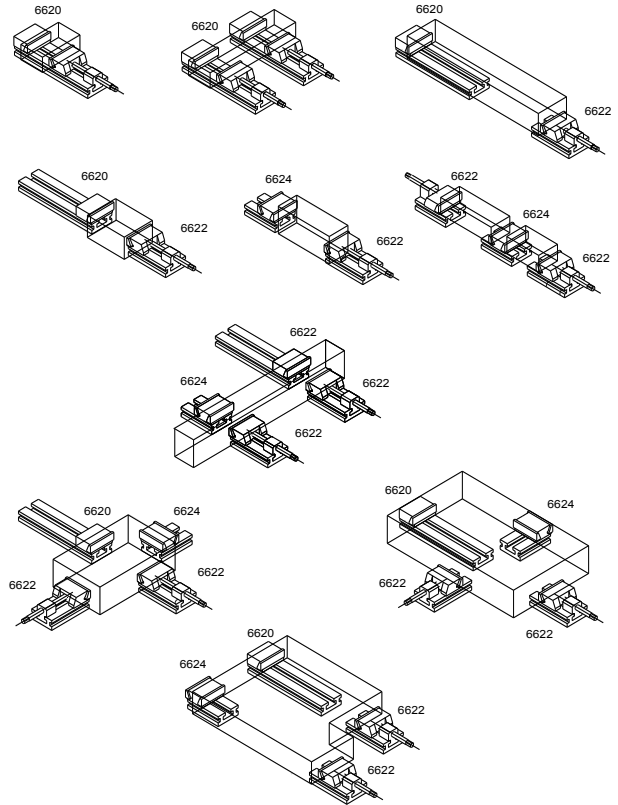
Code No.	Jaw width [in]	Vise length [in]	Clamping force [lbf]
7-220-0068	6.10	18.85	10,116

6531 • SELF-CENTERING MACHINE VISE

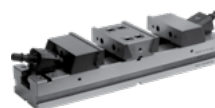


- 360° swivel base with ground contact edge and graduation
- Removable grooved jaw inserts are hardened and ground

Code No.	Max clamping force [lbf]	Jaw insert width [in]	Clamping range [in]
7-210-005	5,620	5	4
7-210-006	9,000	6	5
7-210-008	12,370	8	6



6632 • PRECISION VISE



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

Code No.	Max clamping force [lbf]	Jaw insert width [in]	Length [in]	Clamping range [in]
7-223-305	6,750	5	18.31	3.54

6546 • VISE FOR SHAFTS



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

Code No.	Max clamping force [lbf]	Jaw insert width [in]	Clamping range [in]
7-225-004	2,250	4	0.39-2.36
7-225-005	3,400	5	0.59-3.94
7-225-006	4,500	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.	Max clamping force [lbf]	Jaw insert width [in]	Clamping range [in]
7-245-005	6,750	5	5.9

6830 • PRECISION HIGH PRESSURE VISE



- Designed for precise milling and grinding work
- Made of high quality alloy steel hardened to 58-62 HRC
- High clamping force with amplifier

Code No.	Type	Clamping Force [lbf]			
		Position 1	Position 2	Position 3	Position 4
7-223-406	6830-125-410-336	2,248	4,496	6,744	8,992
7-223-408	6830-160-540-464	4,496	8,992	13,488	-

6620 • PRECISION VISE



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

Code No.	Max clamping force [lbf]	Jaw insert width [in]	Length [in]	Clamping range [in]
7-223-040	4,500	4	12.60	6.50
7-223-050	6,745	5	13.19	6.50
7-223-060	9,220	6	16.73	8.27
7-223-062	9,220	6	18.70	10.24
7-223-063	9,220	6	20.47	12.01
7-223-080	10,120	8	21.06	10.24
7-223-082	10,120	8	23.03	12.20
7-223-085	10,120	8	25.00	14.17

5859 • ROTARY TABLE



- Due to three dividing plate, division into the required number of sections is obtained with an accuracy of 1'

Code No.	Morse Taper	Chuck Diameter [mm]	Permissible Weight of Workpieces	
			Horizontal [lbs]	Vertical [lbs]
7-621-006	3	160	191	89
7-621-008	3	160, 200	269	101
7-621-010	3	250	359	179
7-621-012	3	250, 315	472	247
7-621-016	4	400	786	281
7-621-020	5	500	944	449

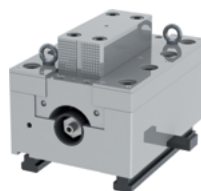
5818 • TAILSTOCK



- Designed for use with indexing fixtures, rotary tables and dividing heads

Code No.	Morse Taper	Center Height [in]
7-610-103	1	3.15
7-610-104	2	3.94
7-610-106	2	4.92
7-610-108	3	6.30
7-610-110	4	7.87
7-610-112	4	9.84

9171 MSPD • BOX JAW WITH POWER SCREW



- JAKOB® power-clamping MSPD screw
- Clamping force up to 90,000 lbf
- High clamping force obtained with minimum operator effort
- Suited for integration with face plates

Code No.	Type	Clamping force [lbf]
7-643-2500	9171-630-40T MSPD	~ 90,000

9170 • BOX JAW SETS



- Set of 4 - Cast iron body, hardened and ground guideways
- Hardened reversible clamping jaws
- Suited for integration with face plates

Set of 4 Code No.	Max Load [lbs]	Clamping force [lbf]
7-645-006	13,970	~ 6,300
7-645-008	17,952	~ 7,900

5901-5911 • SUPERSPACERS



- Operates in horizontal or vertical position
- Basic indexing - done by means of catch device in 2, 3, 4, 6, 8, 12 and 24 divisions
- Indexing accuracy 2'
- Chuck sold separately

Code No.	Chuck No.	Chuck Diameter [in]	Center Height [in]
7-609-014	7-813-0500	5	3.94
7-609-016	7-813-0600	6	4.92
7-609-018	7-813-0800	8	6.30
7-609-020	7-813-1000	10	7.87
7-609-022	7-813-1200	12	9.84

5819 • ADJUSTABLE TAILSTOCK



- Designed for use with indexing fixtures, rotary tables and dividing heads
- Height precisely adjusted by means of a screw

Adjustable Code No.	Morse Taper	Center Height [in]
-	-	-
7-610-806	2	3.74-5.11
7-610-808	3	5.11-6.69
7-610-810	3	6.69-7.87
7-610-812	3	7.87-8.66
7-610-816	4	8.66-9.84

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

8811 R • PREMIUM LIVE CENTER



- High-precision triple bearing design
- New reliable seal
- High runout accuracy and speeds
- Heavy duty with long life

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-568-102	2	± 0.0001	440	7,000
7-568-103	3	± 0.0001	1,100	5,000
7-568-104	4	± 0.0001	1,760	3,800
7-568-105	5	± 0.0001	4,400	3,000

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.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-565-101	1	± 0.0001	220	5,000
7-565-102	2	± 0.00005	396	5,000
7-565-103	3	± 0.00005	990	4,000
7-565-104	4	± 0.00005	2,200	3,000
7-565-105	5	± 0.0001	4,180	2,500
7-565-106	6	± 0.0001	8,140	2,000

8812 R • PREMIUM SLIM BODY LIVE CENTER



- High-precision triple bearing design
- New reliable seal
- High runout accuracy and speeds
- Small body diameter

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-563-002	2	± 0.0002	440	7,000
7-563-003	3	± 0.0002	880	7,000
7-563-004	4	± 0.0002	1,760	6,300
7-563-005	5	± 0.0004	3,520	4,300
7-563-006	6	± 0.0008	7,700	3,000

8814 NC • NC EXTENDED POINT LIVE CENTER



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

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-566-004	1	± 0.0002	220	7,000
7-566-005	2	± 0.0002	396	6,000

8813 R • PREMIUM EXTENDED POINT SLIM BODY LIVE CENTER



- Extended 60° point with small body
- High-precision triple bearing design
- New reliable seal
- High runout accuracy and speeds
- Heavy duty with long life

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-562-002	2	± 0.00015	374	7,000
7-562-003	3	± 0.00015	748	7,000
7-562-004	4	± 0.00015	1,540	6,300
7-562-005	5	± 0.0002	3,080	4,300
7-562-006	6	± 0.0004	6,600	3,000

8823 • ULTRA PRECISION HD LIVE CENTER



- Adjustable, ultra precise radial bearing significantly reduces run out

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-567-002	2	± 0.0001	220	8,000
7-567-003	3	± 0.00005	440	6,000
7-567-004	4	± 0.00005	880	4,500
7-567-005	5	± 0.00005	1,430	4,000
7-567-006	6	± 0.00005	3,080	3,000

8814 R • PREMIUM EXTENDED POINT LIVE CENTER



- Extended 60° point
- High-precision triple bearing design
- New reliable seal
- High runout accuracy and speeds
- Heavy duty with long life

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-560-002	2	± 0.0002	308	7,000
7-560-003	3	± 0.0002	880	5,000
7-560-004	4	± 0.0002	1,100	3,800
7-560-005	5	± 0.0002	2,640	3,000
7-560-006	6	± 0.0004	5,500	2,600

8832 • LIVE CENTER



- Set includes the center body and seven different style inserts in a case.

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-570-002	2	± 0.0002	220	5,000
7-570-003	3	± 0.0002	440	4,000
7-570-004	4	± 0.0002	880	3,000
7-570-005	5	± 0.0003	1,770	2,500
7-570-006	6	± 0.0003	3,550	2,000

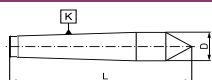
8825 • BULL HEAD LIVE CENTER



- Centers are designed to hold pipes and hollow workpieces
- 60° Truncated point

Code No.	Morse Taper	T.I.R. [in]	Max load [lbs]	Max RPM
7-575-010	1	± 0.00015	220	5,000
7-575-020	2	± 0.00015	400	5,000
7-575-021	2	± 0.00015	660	4,500
7-575-030	3	± 0.00015	770	4,500
7-575-031	3	± 0.00015	1,210	3,000
7-575-040	4	± 0.00015	1,320	3,000
7-575-042	4	± 0.0002	1,540	3,000
7-575-051	5	± 0.0004	1,650	2,000
7-575-060	6	± 0.001	4,400	1,000

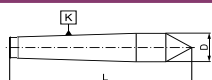
8711 • CARBIDE TIPPED DEAD CENTER



- ± 0.0001" T.I.R.
- Case hardened to 61-63 HRC
- Designed for use whenever high accuracy is required

Code No.	Morse Taper	Length L [in]	Center Width D [in]
7-550-005	1	3.15	0.48
7-550-010	2	3.94	0.74
7-550-015	3	4.92	0.94
7-550-020	4	6.30	1.24
7-550-025	5	7.87	1.76
7-550-030	6	10.63	2.51

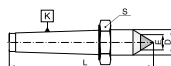
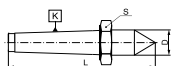
8712 • FULL POINT DEAD CENTER



- ± 0.0001" T.I.R.
- Case hardened to 61-63 HRC
- Designed for use whenever high accuracy is required

Code No.	Morse Taper	Length L [in]	Center Width D [in]
7-555-010	2	3.94	0.74
7-555-015	3	4.92	0.94
7-555-020	4	6.30	1.24
7-555-025	5	7.87	1.76

8725 • 8726 • DEAD CENTER WITH DRAW OFF NUT



- ± 0.0001" T.I.R.
- 61-63 HRC
- Carbide tipped available

Non-Carbide Dead Center Code No.	Carbide Tipped Code No.	Morse Taper	Center Length L [in]	Center Width D [in]	Draw-Off Nut S [in]	Carbide Tip Width E [in]
7-545-002	7-546-002	2	4.41	0.71	1.26	0.28
7-545-003	7-546-003	3	5.43	0.95	1.61	0.43
7-545-004	7-546-004	4	6.89	1.24	2.17	0.55
7-545-005	7-546-005	5	8.54	1.76	2.95	0.71
7-565-006	7-546-006	6	11.42	2.51	3.94	0.71

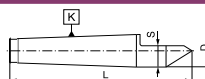
8410 • AUTOMATIC FACE DRIVER



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

Code No.	Morse Taper	Clamping Range [in]	Max load [lbs]	Max Axial Load [lbs]
7-590-041	4	1.18 - 1.97	121	2,204
7-590-043	4	1.65 - 3.94	143	2,645
7-590-051	5	1.18 - 1.97	121	2,204
7-590-053	5	1.65 - 3.94	143	2,645
7-590-054	5	2.05 - 4.72	220	4,409

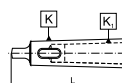
8730 • HALF POINT DEAD CENTER



- ± 0.0001" T.I.R.
- Case hardened to 61-63 HRC
- Half-pointed dead center

Code No.	Carbide Tipped Code No.	Morse Taper	Length L [in]	Center Width D [in]	Tip Width E [in]
7-540-001	7-541-001	1	3.15	0.48	0.30
7-540-002	7-541-002	2	3.94	0.71	0.43
7-540-003	7-541-003	3	4.92	0.95	0.59
7-540-004	7-541-004	4	6.30	1.24	0.82
7-540-005	7-541-005	5	7.87	1.76	1.15
7-540-006	7-541-006	6	10.63	2.51	1.68

1751 • REDUCTION MORSE TAPER SLEEVES



- Taper seat ± 0.0002" T.I.R.
- Alloy Forged Steel for long durable service life
- Hardened and ground internally and externally

Code No.	MT Shank K	MT Hole K1	Overall Length L [mm]
7-450-003	1	0	85
7-450-005	2	1	92
7-450-010	3	1	99
7-450-015	3	2	112
7-450-020	4	1	124
7-450-025	4	2	124
7-450-030	4	3	140
7-450-035	5	1	156
7-450-040	5	2	156
7-450-045	5	3	156
7-450-050	5	4	174
7-450-051	6	2	218
7-450-052	6	3	218
7-450-055	6	4	218
7-450-060	6	5	218

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

7607 AD • ER COLLET CHUCKS



- CAT 40 flange ER collet chucks

Code No.	Collet Size	Gage Length [in]	RPM	Clamping Range [in]
7-188-415	ER16	2.5	25,000 (G2.5)	1/8-7/16
7-188-417	ER16	3	25,000 (G2.5)	1/8-7/16
7-188-418	ER16	4	25,000 (G2.5)	1/8-7/16
7-188-420	ER20	2.5	25,000 (G2.5)	1/8-1/2
7-188-422	ER20	4	25,000 (G2.5)	1/8-1/2
7-188-424	ER25	2.5	25,000 (G2.5)	1/8-5/8
7-188-426	ER25	4	25,000 (G2.5)	1/8-5/8
7-188-430	ER32	2.5	25,000 (G2.5)	1/8-3/4
7-188-431	ER32	3	25,000 (G2.5)	1/8-3/4
7-188-432	ER32	4	25,000 (G2.5)	1/8-5/8
7-188-009	ER16	2.5	15,000 (G6.3)	1/8-7/16
7-188-012	ER16	3	15,000 (G6.3)	1/8-7/16
7-188-015	ER16	4	15,000 (G6.3)	1/8-7/16
7-188-018	ER20	2.5	15,000 (G6.3)	1/8-1/2
7-188-021	ER20	4	15,000 (G6.3)	1/8-1/2
7-188-024	ER25	2.5	15,000 (G6.3)	1/8-5/8
7-188-027	ER25	4	15,000 (G6.3)	1/8-5/8
7-188-030	ER32	2.5	15,000 (G6.3)	1/8-3/4
7-188-033	ER32	3	15,000 (G6.3)	1/8-3/4
7-188-036	ER32	4	15,000 (G6.3)	1/8-3/4
7-188-039	ER32	5	15,000 (G6.3)	1/8-3/4
7-188-109	ER16	2.5	20,000 (G2.5)	1/8-7/16
7-188-115	ER16	4	20,000 (G2.5)	1/8-7/16
7-188-133	ER32	3	20,000 (G2.5)	1/8-3/4

KEYLESS DRILL CHUCKS



- Keyless drill chucks designed for industrial and CNC use in drilling, boring, and counterboring
- Can be tightened and released by hand

Code No.	Taper	Gage Length [in]	Capacity [in]
7-311-6005	HSK-63-A	5.85	1/32 - 1/2
7-311-6008	HSK-63-A	6.18	1/8 - 5/8
7-174-433	BT40	3.74	1/32 - 1/2
7-174-563	BT50	4.13	1/8 - 5/8
7-048-420Q	NMTB 40	3.46	1/32 - 1/2
7-048-430Q	NMTB 40	3.50	1/8 - 5/8
7-187-433	CAT 40	4.13	1/32 - 1/2
7-187-435	CAT 40	5.12	1/8 - 5/8
7-187-563	CAT 50	4.13	1/32 - 1/2
7-187-565	CAT 50	4.33	1/8 - 5/8

7608 • CAPTO ER COLLET CHUCKS



- Capto ER style collet chuck
- Balanced at G2.5/25,000 RPM
- Other taper sizes available in stock

Code No.	PSC Taper	Collet Size	Capacity [in]
7-146-616	63	ER16	0.08-0.39
7-146-620	63	ER20	0.08-0.51
7-146-625	63	ER25	0.08-0.63
7-146-632	63	ER32	0.08-0.79
7-146-640	63	ER40	0.08-1.02

7623 • CAPTO END MILL HOLDERS



- Capto end mill holder
- Balanced at G2.5/25,000 RPM
- Other taper sizes available in stock

Code No.	PSC Taper	Gage Length [in]	Capacity [in]
7-145-610	63	2.00	1/4
7-145-620	63	2.00	5/16
7-145-630	63	2.00	3/8
7-145-640	63	2.50	1/2
7-145-650	63	2.50	5/8
7-145-660	63	2.50	3/4
7-145-670	63	3.50	7/8
7-145-680	63	3.50	1
7-145-690	63	4.00	1 1/4
7-145-600	63	4.50	1 1/2

7390 • CAPTO SHELL MILL HOLDERS



- Capto ER style shell mill holders
- Balanced at G2.5/25,000 RPM
- Other taper sizes available in stock

Code No.	PSC Taper	Gage Length	Capacity [in]
7-148-660	63	2.00	3/4
7-148-680	63	2.00	1
7-148-690	63	2.40	1 1/4
7-148-600	63	2.40	1 1/2

5133 • JACOBS TAPER KEYLESS DRILL CHAUCKS



- Keyless drill chucks designed for industrial and CNC use in drilling, boring and counterboring
- Can be tightened and released by hand

Code No.	Jacobs Taper	T.I.R. [in]	Clamping Range [in]
7-051-335	2	± 0.00075	1/32 - 1/2
7-051-337	33	± 0.00075	1/32 - 1/2
7-051-338	6	± 0.00075	1/32 - 1/2
7-051-368	6	± 0.00075	1/8 - 5/8
7-051-369	3	± 0.00075	1/8 - 5/8

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

7636 AD • CAT 40 END MILL HOLDERS



- CAT 40 Weldon type end mill holders
- Through the spindle coolant capability

Code No.		CAT 40	
15,000 RPM G6.3	25,000 RPM G2.5	Capacity [in]	Gage Length [in]
-	7-185-004	1/8	2.5
-	7-185-008	3/16	2.5
-	7-185-014	1/4	2.5
-	7-185-4094	1/4	4
-	7-185-012	1/4	1 3/8
-	7-185-034	1/2	1 3/4
-	7-185-024	3/8	1 3/8
-	7-185-026	3/8	2.5
7-185-4122	-	3/8	5
-	7-185-4123	7/16	2.5
-	7-185-4127	7/16	4
-	7-185-036	1/2	2 5/8
7-185-417	-	1/2	5
-	7-185-042	5/8	3 3/4
-	7-185-040	5/8	1 3/4
-	7-185-437	5/8	5 1/2
-	7-185-048	3/4	1 3/4
-	7-185-050	3/4	3 3/4
7-185-447	-	3/4	5 1/2
-	7-185-060	1	2
-	7-185-062	1	4
7-185-465	-	1	6
-	7-185-068	1 1/4	4 1/4

7885 • HSK-63-A END MILL HOLDER



- HSK 63A end mill holders
- Weldon type end mill holders

Code No.	Capacity [in]	Width [in]	Length [in]
7-306-6030	1/2	1 1/4	4
7-306-6035	5/8	1 1/5	4
7-306-6040	3/4	1 3/4	4 1/2
7-306-6050	1	2 1/4	4 1/2

7385 • SHELL MILL HOLDERS



- Made of alloy forged steel, hardened and ground to RC 52-56
- Shell mill pilot T.I.R. < 0.0002"

Code No.	Taper	Gage Length [in]	Capacity [in]
7-186-517	CAT 50	4	1
7-186-529	CAT 50	4	1 1/2
7-186-531	CAT 50	6	1 1/2

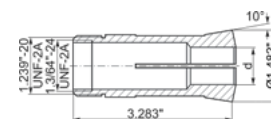
7636 AD • CAT 50 END MILL HOLDERS



- CAT 50 Weldon type end mill holders
- Through the spindle coolant capability

Code No.		CAT 50	
15,000 RPM G6.3	25,000 RPM G2.5	Capacity [in]	Gage Length [in]
-	7-185-110	3/8	1 3/8
-	7-185-511	3/8	2 1/2
7-185-512	-	3/8	4 1/2
7-185-513	-	3/8	6 1/2
7-185-514	-	3/8	8
-	7-185-124	1/2	1 3/4
-	7-185-521	1/2	2 5/8
7-185-522	-	1/2	4 5/8
7-185-523	-	1/2	6 5/8
7-185-526	-	1/2	8
-	7-185-134	5/8	1 3/4
-	7-185-531	5/8	3 3/4
7-185-532	-	5/8	5 3/4
7-185-533	-	5/8	7 3/4
-	7-185-142	3/4	1 3/4
7-185-542	-	3/4	5 3/8
7-185-543	-	3/4	7 3/4
7-185-547	-	3/4	12
-	7-185-160	1	2
-	7-185-561	1	4
7-185-562	-	1	6
7-185-563	-	1	8
7-185-567	-	1	12
-	7-185-170	1 1/4	2
-	7-185-571	1 1/4	4
7-185-572	-	1 1/4	6
7-185-573	-	1 1/4	8
7-185-577	-	1 1/4	12
7-185-591	-	2	5 5/8

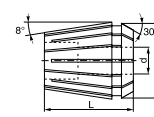
3000-5C • 5C (385E) COLLETS



- Single size collets available

Collet Set No.	Sizes Avail.	Size Range [d]
7-168-168 [Inch]	15 Inch Sizes in set	3/64" - 1-1/8"
7-168-674 [Metric]	24 Metric Sizes in set	3-26 mm

7618 • ER COLLETS



Collet Type	Sizes Avail. Each 1/32"	Size Range d [in]	D [mm / in]	L [mm / in]
ER16	12	1/32 - 3/8	17 / 0.67	27.5 / 1.08
ER20	15	1/16 - 1/2	21 / 0.83	31.5 / 1.24
ER25	19	1/16 - 5/8	26 / 1.02	34 / 1.34
ER32	22	3/32 - 3/4	33 / 1.3	40 / 1.57
ER40	29	1/8 - 1	41 / 1.61	46 / 1.81



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