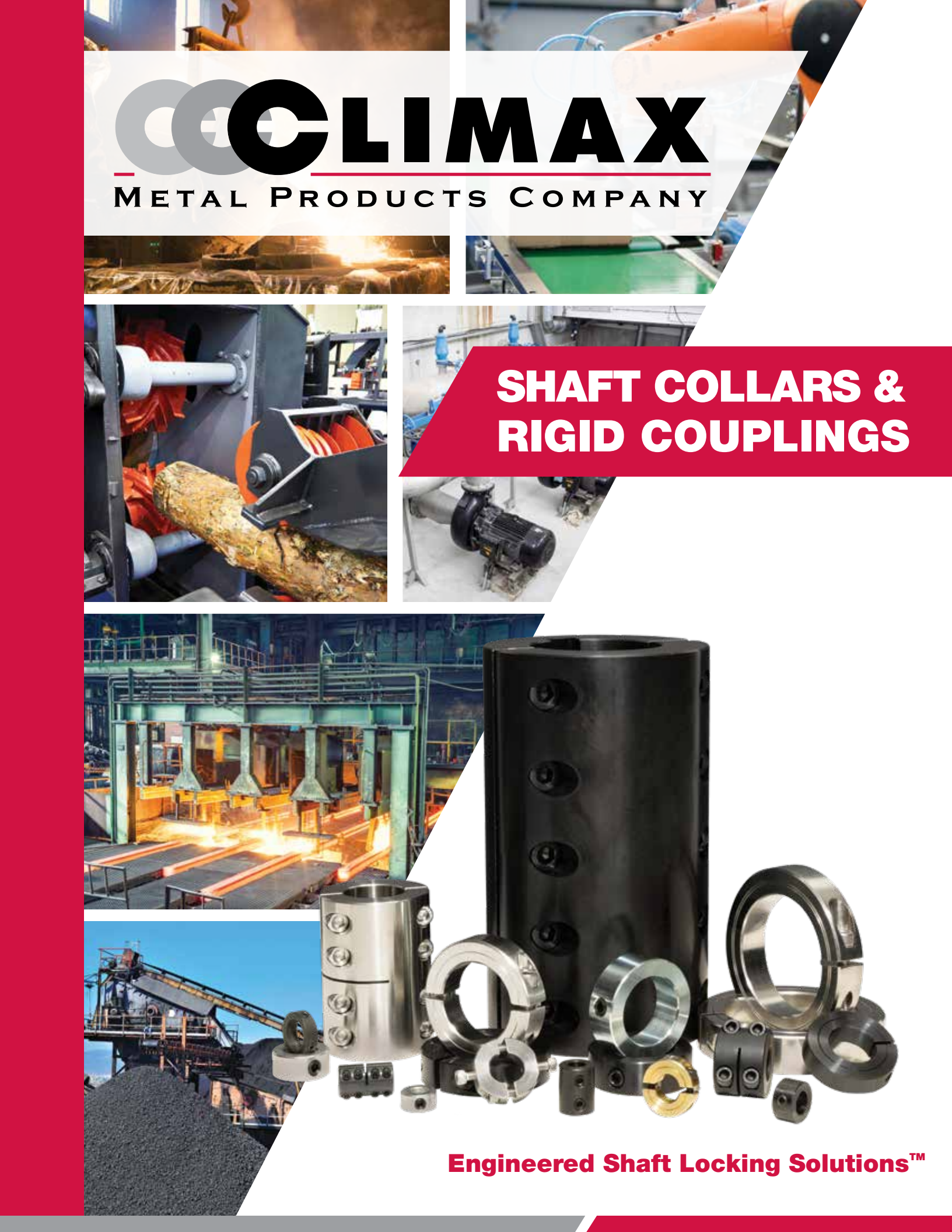




CLIMAX

METAL PRODUCTS COMPANY

SHAFT COLLARS & RIGID COUPLINGS



Engineered Shaft Locking Solutions™



ABOUT US

Since our humble beginnings in 1946, Climax Metal Products has served the power transmission industry with endless innovative products that hold numerous applications in various major industries.



Climax is a proud American business that started with a few workers at a small shop in Cleveland, Ohio, and has grown into a respected U.S. manufacturer. While manufacturing an extensive line of shaft collars, rigid couplings and selling through a distributor network, Climax has established itself as a world leader in quality engineered products.



With the foundation of our company's modest beginning and our breadth of innovative products, Climax has demonstrated that we are a company rooted in history with modernized manufacturing practices with an assured future.

Unparalleled customer service, efficient manufacturing, quality products...our promise to you!

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SHAFT COLLARS:

ONE-PIECE CLAMPING COLLARS

One-Piece Clamping Collars 1C-Series	4
Metric One-Piece Clamping Collars M1C-Series	5
One-Piece Clamping Collars Recessed Screw H1C-Series	6
Corrosion Resistant One-Piece Clamping Collars CR1C-Series	4
Re-Machinable One-Piece Clamping Collars R1C-Series	7

TWO-PIECE CLAMPING COLLARS

Two-Piece Clamping Collars 2C-Series	8
Metric Two-Piece Clamping Collars M2C-Series	9
Two-Piece Clamping Collars Recessed Screw H2C-Series	10
Corrosion Resistant Two-Piece Clamping Collars CR2C-Series	8
Acetal Two-Piece Clamping Collars N2C-Series	12
Two-Piece Clamping Collars Double Wide D2C-Series	12
Two-Piece Clamping Collars w/Keyway 2C-KW-Series	12
Re-Machinable Two-Piece Clamping Collars R2C-Series	11

SET SCREW COLLARS

Set Screw Collars C-Series	13
Metric Set Screw Collars MC-Series	14
Corrosion Resistant Set Screw Collars CRC-Series	13
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THREADED CLAMPING COLLARS

One-Piece Threaded Clamping Collars ISTC-Series	16
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RIGID COUPLINGS:

ONE-PIECE CLAMPING COUPLINGS

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TWO-PIECE CLAMPING COUPLINGS

Two-Piece Industry Standard Clamping Couplings 2ISCC-Series	21
Metric Two-Piece Industry Standard Clamping Couplings 2MISCC-Series	22
Two-Piece Clamping Couplings Recessed Screw 2CC-Series	23-24
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SET SCREW COUPLINGS

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ONE-PIECE CLAMPING COLLARS 1C-SERIES



- Design fully engages the shaft without marring
- Greater axial holding power than set screw collars
- Effective on both hard and soft shafts

Screw lengths for steel parts only

Zinc plated collars have stainless steel screws

Yellow zinc plated collars have black oxide screws

Bore sizes 1-9/16" through 3" do not have a relief cut

DIMENSION

BORE, INCH

TOLERANCE

+0.003 / -0.000



For 3D
Models &
2D Sales
Drawings

PART NUMBER					PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	ZINC PLATED STEEL	316 STAINLESS STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
1C-012	1C-012-S	1C-012-A	1C-012-Z	CR1C-012-S	1/8	11/16	5/16	4-40 x 3/8	0.44
1C-018	1C-018-S	1C-018-A	1C-018-Z	CR1C-018-S	3/16	11/16	5/16	4-40 x 3/8	0.43
1C-025	1C-025-S	1C-025-A	1C-025-Z	CR1C-025-S	1/4	11/16	5/16	4-40 x 3/8	0.40
1C-031	1C-031-S	1C-031-A	1C-031-Z	CR1C-031-S	5/16	11/16	5/16	4-40 x 3/8	0.36
1C-037	1C-037-S	1C-037-A	1C-037-Z	CR1C-037-S	3/8	7/8	3/8	6-32 x 3/8	0.70
1C-043	1C-043-S	1C-043-A	1C-043-Z	CR1C-043-S	7/16	15/16	3/8	6-32 x 3/8	0.81
1C-050	1C-050-S	1C-050-A	1C-050-Z	CR1C-050-S	1/2	1 1/8	13/32	8-32 x 1/2	1.30
1C-056	1C-056-S	1C-056-A	1C-056-Z	CR1C-056-S	9/16	1 5/16	7/16	10-32 x 1/2	2.00
1C-062	1C-062-S	1C-062-A	1C-062-Z	CR1C-062-S	5/8	1 5/16	7/16	10-32 x 1/2	1.80
1C-068	1C-068-S	1C-068-A	1C-068-Z	CR1C-068-S	11/16	1 1/2	1/2	10-32 x 1/2	2.90
1C-075	1C-075-S	1C-075-A	1C-075-Z	CR1C-075-S	3/4	1 1/2	1/2	1/4-28 x 5/8	2.70
1C-081	1C-081-S	1C-081-A	1C-081-Z	CR1C-081-S	13/16	1 5/8	1/2	1/4-28 x 5/8	3.20
1C-087	1C-087-S	1C-087-A	1C-087-Z	CR1C-087-S	7/8	1 5/8	1/2	1/4-28 x 5/8	2.96
1C-093	1C-093-S	1C-093-A	1C-093-Z	CR1C-093-S	15/16	1 3/4	1/2	1/4-28 x 5/8	3.51
1C-100	1C-100-S	1C-100-A	1C-100-Z	CR1C-100-S	1	1 3/4	1/2	1/4-28 x 5/8	3.30
1C-106	1C-106-S	1C-106-A	1C-106-Z	CR1C-106-S	1 1/16	1 7/8	1/2	1/4-28 x 5/8	3.90
1C-112	1C-112-S	1C-112-A	1C-112-Z	CR1C-112-S	1 1/8	1 7/8	1/2	1/4-28 x 3/4	3.63
1C-118	1C-118-S	1C-118-A	1C-118-Z	CR1C-118-S	1 3/16	2 1/16	1/2	1/4-28 x 3/4	4.70
1C-125	1C-125-S	1C-125-A	1C-125-Z	CR1C-125-S	1 1/4	2 1/16	1/2	1/4-28 x 3/4	4.40
1C-131	1C-131-S	1C-131-A	1C-131-Z	CR1C-131-S	1 5/16	2 1/4	9/16	1/4-28 x 3/4	6.19
1C-137	1C-137-S	1C-137-A	1C-137-Z	CR1C-137-S	1 3/8	2 1/4	9/16	1/4-28 x 3/4	5.90
1C-143	1C-143-S	1C-143-A	1C-143-Z	CR1C-143-S	1 7/16	2 1/4	9/16	1/4-28 x 3/4	5.50
1C-150	1C-150-S	1C-150-A	1C-150-Z	CR1C-150-S	1 1/2	2 3/8	9/16	1/4-28 x 3/4	6.30
1C-156	1C-156-S	1C-156-A	1C-156-Z	CR1C-156-S	1 9/16	2 3/8	9/16	1/4-28 x 3/4	5.90
1C-162	1C-162-S	1C-162-A	1C-162-Z	CR1C-162-S	1 5/8	2 5/8	11/16	5/16-24 x 1	9.65
1C-168	1C-168-S	1C-168-A	1C-168-Z	CR1C-168-S	1 11/16	2 3/4	11/16	5/16-24 x 1	10.70
1C-175	1C-175-S	1C-175-A	1C-175-Z	CR1C-175-S	1 3/4	2 3/4	11/16	5/16-24 x 1	10.20
1C-181	1C-181-S	1C-181-A	1C-181-Z	CR1C-181-S	1 13/16	2 7/8	11/16	5/16-24 x 1	10.20
1C-187	1C-187-S	1C-187-A	1C-187-Z	CR1C-187-S	1 7/8	2 7/8	11/16	5/16-24 x 1	10.90
1C-193	1C-193-S	1C-193-A	1C-193-Z	CR1C-193-S	1 15/16	3	11/16	5/16-24 x 1	12.00
1C-200	1C-200-S	1C-200-A	1C-200-Z	CR1C-200-S	2	3	11/16	5/16-24 x 1	11.60
1C-206	1C-206-S	1C-206-A	1C-206-Z	CR1C-206-S	2 1/16	3 1/4	3/4	5/16-24 x 1	11.60
1C-212	1C-212-S	1C-212-A	1C-212-Z	CR1C-212-S	2 1/8	3 1/4	3/4	5/16-24 x 1	15.20
1C-218	1C-218-S	1C-218-A	1C-218-Z	CR1C-218-S	2 3/16	3 1/4	3/4	5/16-24 x 1	14.40
1C-225	1C-225-S	1C-225-A	1C-225-Z	CR1C-225-S	2 1/4	3 1/4	3/4	5/16-24 x 1	13.66
1C-231	1C-231-S	1C-231-A	1C-231-Z	CR1C-231-S	2 5/16	3 1/2	3/4	5/16-24 x 1	13.66
1C-237	1C-237-S	1C-237-A	1C-237-Z	CR1C-237-S	2 3/8	3 1/2	3/4	5/16-24 x 1	16.50
1C-243	1C-243-S	1C-243-A	1C-243-Z	CR1C-243-S	2 7/16	3 1/2	3/4	5/16-24 x 1	15.60
1C-250	1C-250-S	1C-250-A	1C-250-Z	CR1C-250-S	2 1/2	3 3/4	7/8	3/8-24 x 1	23.10
1C-256	1C-256-S	1C-256-A	1C-256-Z	CR1C-256-S	2 9/16	3 7/8	7/8	3/8-24 x 1	23.10
1C-262	1C-262-S	1C-262-A	1C-262-Z	CR1C-262-S	2 5/8	3 7/8	7/8	3/8-24 x 1	23.90
1C-268	1C-268-S	1C-268-A	1C-268-Z	CR1C-268-S	2 11/16	4	7/8	3/8-24 x 1	25.80
1C-275	1C-275-S	1C-275-A	1C-275-Z	CR1C-275-S	2 3/4	4	7/8	3/8-24 x 1	29.20
1C-281	1C-281-S	1C-281-A	1C-281-Z	CR1C-281-S	2 13/16	4 1/4	7/8	3/8-24 x 1	29.20
1C-287	1C-287-S	1C-287-A	1C-287-Z	CR1C-287-S	2 7/8	4 1/4	7/8	3/8-24 x 1	29.20
1C-293	1C-293-S	1C-293-A	1C-293-Z	CR1C-293-S	2 15/16	4 1/4	7/8	3/8-24 x 1	28.00
1C-300	1C-300-S	1C-300-A	1C-300-Z	CR1C-300-S	3	4 1/4	7/8	3/8-24 x 1	26.80
H1C-318	H1C-318-S				3 3/16	4 1/2	7/8	3/8-24 x 1	28.30
H1C-325	H1C-325-S				3 1/4	4 1/2	7/8	3/8-24 x 1	27.30
H1C-343	H1C-343-S				3 7/16	4 3/4	7/8	3/8-24 x 1	31.00
H1C-350	H1C-350-S				3 1/2	4 3/4	7/8	3/8-24 x 1	29.10
H1C-393	H1C-393-S				3 15/16	5 1/4	7/8	3/8-24 x 1	35.00
H1C-400	H1C-400-S				4	5 1/4	7/8	3/8-24 x 1	33.00

METRIC ONE-PIECE CLAMPING COLLARS **M1C-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
M1C-03	M1C-03-S	3	11/16	9	M 3 x 8	0.40
M1C-04	M1C-04-S	4	11/16	9	M 3 x 8	0.40
M1C-05	M1C-05-S	5	11/16	9	M 3 x 8	0.41
M1C-06	M1C-06-S	6	3/4	9	M 3 x 8	0.48
M1C-07	M1C-07-S	7	3/4	9	M 3 x 8	0.47
M1C-08	M1C-08-S	8	1	9	M 3 x 10	0.90
M1C-09	M1C-09-S	9	1	9	M 3 x 10	1.00
M1C-10	M1C-10-S	10	1	9	M 3 x 10	1.36
M1C-12	M1C-12-S	12	1 1/8	11	M 4 x 12	1.40
M1C-13	M1C-13-S	13	1 1/4	11	M 4 x 12	1.60
M1C-14	M1C-14-S	14	1 1/4	11	M 4 x 12	1.60
M1C-15	M1C-15-S	15	1 3/8	13	M 5 x 16	2.41
M1C-16	M1C-16-S	16	1 3/8	13	M 5 x 16	2.30
M1C-17	M1C-17-S	17	1 1/2	13	M 5 x 16	2.60
M1C-18	M1C-18-S	18	1 1/2	13	M 5 x 16	2.50
M1C-19	M1C-19-S	19	1 5/8	15	M 6 x 16	3.70
M1C-20	M1C-20-S	20	1 5/8	15	M 6 x 16	3.60
M1C-21	M1C-21-S	21	1 3/4	15	M 6 x 16	4.00
M1C-22	M1C-22-S	22	1 3/4	15	M 6 x 16	3.90
M1C-23	M1C-23-S	23	1 7/8	15	M 6 x 16	4.60
M1C-24	M1C-24-S	24	1 7/8	15	M 6 x 16	4.30
M1C-25	M1C-25-S	25	1 7/8	15	M 6 x 16	4.20
M1C-26	M1C-26-S	26	2	15	M 6 x 16	4.90
M1C-28	M1C-28-S	28	2	15	M 6 x 16	4.50
M1C-30	M1C-30-S	30	2 1/8	15	M 6 x 16	6.11
M1C-32	M1C-32-S	32	2 1/8	15	M 6 x 16	6.02
M1C-34	M1C-34-S	34	2 1/4	15	M 6 x 16	6.20
M1C-35	M1C-35-S	35	2 1/4	15	M 6 x 16	6.13
M1C-36	M1C-36-S	36	2 1/4	15	M 6 x 16	5.90
M1C-38	M1C-38-S	38	2 3/8	15	M 6 x 16	5.90
M1C-40	M1C-40-S	40	2 3/8	15	M 6 x 16	5.90
M1C-42	M1C-42-S	42	2 7/8	19	M 8 x 25	14.00
M1C-45	M1C-45-S	45	2 7/8	19	M 8 x 25	12.90
M1C-48	M1C-48-S	48	3 1/8	19	M 8 x 25	14.80
M1C-50	M1C-50-S	50	3 1/8	19	M 8 x 25	13.80
M1C-54	M1C-54-S	54	3 1/4	19	M 8 x 25	14.90
M1C-55	M1C-55-S	55	3 1/4	19	M 8 x 25	14.50
M1C-60	M1C-60-S	60	3 1/2	19	M 8 x 25	16.20
M1C-65	M1C-65-S	65	3 3/4	19	M 8 x 25	16.80
M1C-70	M1C-70-S	70	4	19	M 8 x 25	18.30
M1C-75	M1C-75-S	75	4 1/4	19	M 8 x 25	19.50
M1C-80	M1C-80-S	80	4 1/4	19	M 8 x 25	20.40



- Design fully engages the shaft without marring
- Greater axial holding power than set screw collars
- Effective on both hard and soft shafts

Bore sizes 20mm through 80mm do not have a relief cut

DIMENSION
BORE, METRIC

TOLERANCE
+0.08MM /
-0.00MM

For 3D
Models &
2D Sales
Drawings



ONE-PIECE CLAMPING COLLARS RECESSED SCREW H1C-SERIES



- Recessed screw head provides an outside surface free of major projections for safety
- Design fully engages the shaft without marring
- Greater axial holding power than set screw collars
- Effective on both hard and soft shafts

Bore sizes 3-3/16" through 4" do not have recessed screws

Black oxide steel and aluminum bore sizes 3/4" through 4" do not have a relief cut

Stainless steel bore sizes 1-9/16" through 4" do not have a relief cut

PART NUMBER			PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
H1C-012	H1C-012-S	H1C-012-A	1/8	13/16	1/4	4-40 x 3/8	0.51
H1C-018	H1C-018-S	H1C-018-A	3/16	13/16	1/4	4-40 x 3/8	0.50
H1C-025	H1C-025-S	H1C-025-A	1/4	13/16	1/4	4-40 x 3/8	0.45
H1C-031	H1C-031-S	H1C-031-A	5/16	13/16	1/4	4-40 x 3/8	0.43
H1C-037	H1C-037-S	H1C-037-A	3/8	1 1/16	5/16	6-32 x 3/8	0.95
H1C-043	H1C-043-S	H1C-043-A	7/16	1 1/16	5/16	6-32 x 3/8	0.92
H1C-050	H1C-050-S	H1C-050-A	1/2	1 1/4	3/8	8-32 x 1/2	1.50
H1C-056	H1C-056-S	H1C-056-A	9/16	1 1/4	3/8	8-32 x 1/2	1.50
H1C-062	H1C-062-S	H1C-062-A	5/8	1 1/2	13/32	10-32 x 1/2	2.40
H1C-068	H1C-068-S	H1C-068-A	11/16	1 1/2	13/32	10-32 x 1/2	2.30
H1C-075	H1C-075-S	H1C-075-A	3/4	1 3/4	1/2	1/4-28 x 5/8	3.90
H1C-081	H1C-081-S	H1C-081-A	13/16	1 3/4	1/2	1/4-28 x 5/8	3.80
H1C-087	H1C-087-S	H1C-087-A	7/8	1 7/8	1/2	1/4-28 x 5/8	4.50
H1C-093	H1C-093-S	H1C-093-A	15/16	1 7/8	1/2	1/4-28 x 5/8	4.20
H1C-100	H1C-100-S	H1C-100-A	1	2	1/2	1/4-28 x 5/8	4.80
H1C-106	H1C-106-S	H1C-106-A	1 1/16	2	1/2	1/4-28 x 5/8	4.60
H1C-112	H1C-112-S	H1C-112-A	1 1/8	2 1/8	1/2	1/4-28 x 3/4	5.30
H1C-118	H1C-118-S	H1C-118-A	1 3/16	2 1/8	1/2	1/4-28 x 3/4	5.00
H1C-125	H1C-125-S	H1C-125-A	1 1/4	2 1/4	1/2	1/4-28 x 3/4	5.70
H1C-131	H1C-131-S	H1C-131-A	1 5/16	2 1/4	1/2	1/4-28 x 3/4	5.50
H1C-137	H1C-137-S	H1C-137-A	1 3/8	2 3/8	1/2	1/4-28 x 3/4	6.20
H1C-143	H1C-143-S	H1C-143-A	1 7/16	2 3/8	1/2	1/4-28 x 3/4	5.90
H1C-150	H1C-150-S	H1C-150-A	1 1/2	2 1/2	1/2	1/4-28 x 3/4	6.50
H1C-156	H1C-156-S	H1C-156-A	1 9/16	2 1/2	1/2	1/4-28 x 3/4	6.20
H1C-162	H1C-162-S	H1C-162-A	1 5/8	3	5/8	5/16-24 x 1	13.20
H1C-168	H1C-168-S	H1C-168-A	1 11/16	3	5/8	5/16-24 x 1	12.70
H1C-175	H1C-175-S	H1C-175-A	1 3/4	3	5/8	5/16-24 x 1	12.10
H1C-187	H1C-187-S	H1C-187-A	1 7/8	3 1/4	5/8	5/16-24 x 1	14.60
H1C-193	H1C-193-S	H1C-193-A	1 15/16	3 1/4	5/8	5/16-24 x 1	14.00
H1C-200	H1C-200-S	H1C-200-A	2	3 1/4	5/8	5/16-24 x 1	13.40
H1C-212	H1C-212-S		2 1/8	3 1/2	5/8	5/16-24 x 1	15.80
H1C-218	H1C-218-S		2 3/16	3 1/2	5/8	5/16-24 x 1	15.40
H1C-225	H1C-225-S		2 1/4	3 1/2	5/8	5/16-24 x 1	14.90
H1C-237	H1C-237-S		2 3/8	3 1/2	5/8	5/16-24 x 1	13.50
H1C-243	H1C-243-S		2 7/16	4	3/4	3/8-24 x 1	28.30
H1C-250	H1C-250-S		2 1/2	4	3/4	3/8-24 x 1	24.70
H1C-262	H1C-262-S		2 5/8	4 1/4	3/4	3/8-24 x 1	27.70
H1C-268	H1C-268-S		2 11/16	4 1/4	3/4	3/8-24 x 1	26.80
H1C-275	H1C-275-S		2 3/4	4 1/4	3/4	3/8-24 x 1	26.50
H1C-287	H1C-287-S		2 7/8	4 1/2	3/4	3/8-24 x 1	30.30
H1C-293	H1C-293-S		2 15/16	4 1/2	3/4	3/8-24 x 1	29.30
H1C-300	H1C-300-S		3	4 1/2	3/4	3/8-24 x 1	28.30
H1C-318	H1C-318-S		3 3/16	4 1/2	7/8	3/8-24 x 1	28.30
H1C-325	H1C-325-S		3 1/4	4 1/2	7/8	3/8-24 x 1	27.30
H1C-343	H1C-343-S		3 7/16	4 3/4	7/8	3/8-24 x 1	31.00
H1C-350	H1C-350-S		3 1/2	4 3/4	7/8	3/8-24 x 1	29.10
H1C-393	H1C-393-S		3 15/16	5 1/4	7/8	3/8-24 x 1	35.00
H1C-400	H1C-400-S		4	5 1/4	7/8	3/8-24 x 1	33.00

DIMENSION

BORE, INCH

TOLERANCE

+0.003 / -0.000



For 3D
Models &
2D Sales
Drawings

PART NUMBER	PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	PILOT BORE	MAX BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
R1C-075	1/8	3/4	1 3/4	1/2	1/4-28 x 5/8	6.40
R1C-100	1/2	1	2 1/4	1/2	1/4-28 x 5/8	9.60
R1C-156	5/8	1 9/16	2 1/2	1/2	1/4-28 x 3/4	11.20
R1C-200	3/4	2	3 1/4	5/8	5/16-24 x 1	24.00
R1C-262	1	2 5/8	4 1/4	3/4	3/8-24 x 1	48.00
R1C-300	1 1/4	3	4 1/2	3/4	3/8-24 x 1	51.20
R1C-425	2	4 1/4	5 1/2	7/8	3/8-24 x 1	84.80
R1C-500	2 1/2	5	6 1/4	7/8	3/8-24 x 1	105.60
R1C-600	3	6	7 1/4	7/8	3/8-24 x 1	139.20

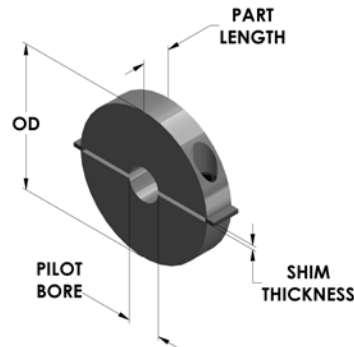


- Collar designed with an undersized ID
- Allows for rebores of the ID without damaging the existing clamp screws
- Pilot bore can be opened safely to the nominal ID reflected in the part number
- Design fully engages the shaft without marring

When reboring the R1C-Series Collars:

1. Start by inserting the shim in the saw cut of the collar as illustrated. Shim thickness is provided in the chart below.

PILOT BORE (IN)	MAX BORE (IN)	OD (IN)	WIDTH (IN)	SHIM THICKNESS (IN)
1/8	3/4	1 3/4	1/2	0.063
1/2	1	2 1/4	1/2	0.063
5/8	1 9/16	2 1/2	1/2	0.093
3/4	2	3 1/4	5/8	0.093
1	2 5/8	4 1/4	3/4	0.125
1 1/4	3	4 1/2	3/4	0.125
2	4 1/4	5 1/2	7/8	0.125
2 1/2	5	6 1/4	7/8	0.125
3	6	7 1/4	7/8	0.125



- Tighten the clamp screw so that the collar clamps down on the shim.
- The collar bore is then machined with the installation screw tightened and the shim firmly in place.

DIMENSION
BORE, INCH
TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



TWO-PIECE CLAMPING COLLARS 2C-SERIES



- Easily installed where major disassembly would otherwise be required
- Design fully engages the shaft without marring
- Greater axial holding power than set screw or one-piece collars
- Effective on both hard and soft shafts

PART NUMBER						PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	ZINC PLATED STEEL	YELLOW ZINC	316 STAINLESS STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
2C-012	2C-012-S	2C-012-A	2C-012-Z		CR2C-012-S	1/8	11/16	5/16	4-40 x 3/8	0.43
2C-018	2C-018-S	2C-018-A	2C-018-Z		CR2C-018-S	3/16	11/16	5/16	4-40 x 3/8	0.39
2C-025	2C-025-S	2C-025-A	2C-025-Z		CR2C-025-S	1/4	11/16	5/16	4-40 x 3/8	0.38
2C-031	2C-031-S	2C-031-A	2C-031-Z		CR2C-031-S	5/16	11/16	5/16	4-40 x 3/8	0.34
2C-037	2C-037-S	2C-037-A	2C-037-Z		CR2C-037-S	3/8	7/8	3/8	6-32 x 3/8	0.71
2C-043	2C-043-S	2C-043-A	2C-043-Z		CR2C-043-S	7/16	15/16	3/8	6-32 x 3/8	0.76
2C-050	2C-050-S	2C-050-A	2C-050-Z	CR2C-050	CR2C-050-S	1/2	1 1/8	13/32	8-32 x 1/2	1.26
2C-056	2C-056-S	2C-056-A	2C-056-Z		CR2C-056-S	9/16	1 5/16	7/16	10-32 x 1/2	2.00
2C-062	2C-062-S	2C-062-A	2C-062-Z	CR2C-062	CR2C-062-S	5/8	1 5/16	7/16	10-32 x 1/2	1.80
2C-068	2C-068-S	2C-068-A	2C-068-Z		CR2C-068-S	11/16	1 1/2	1/2	10-32 x 1/2	2.80
2C-075	2C-075-S	2C-075-A	2C-075-Z	CR2C-075	CR2C-075-S	3/4	1 1/2	1/2	1/4-28 x 5/8	2.60
2C-081	2C-081-S	2C-081-A	2C-081-Z		CR2C-081-S	13/16	1 5/8	1/2	1/4-28 x 5/8	3.10
2C-087	2C-087-S	2C-087-A	2C-087-Z		CR2C-087-S	7/8	1 5/8	1/2	1/4-28 x 5/8	2.83
2C-093	2C-093-S	2C-093-A	2C-093-Z		CR2C-093-S	15/16	1 3/4	1/2	1/4-28 x 5/8	3.40
2C-100	2C-100-S	2C-100-A	2C-100-Z	CR2C-100	CR2C-100-S	1	1 3/4	1/2	1/4-28 x 5/8	3.10
2C-106	2C-106-S	2C-106-A	2C-106-Z		CR2C-106-S	1 1/16	1 7/8	1/2	1/4-28 x 5/8	3.67
2C-112	2C-112-S	2C-112-A	2C-112-Z		CR2C-112-S	1 1/8	1 7/8	1/2	1/4-28 x 3/4	3.50
2C-118	2C-118-S	2C-118-A	2C-118-Z		CR2C-118-S	1 3/16	2 1/16	1/2	1/4-28 x 3/4	4.50
2C-125	2C-125-S	2C-125-A	2C-125-Z	CR2C-125	CR2C-125-S	1 1/4	2 1/16	1/2	1/4-28 x 3/4	4.22
2C-131	2C-131-S	2C-131-A	2C-131-Z		CR2C-131-S	1 5/16	2 1/4	9/16	1/4-28 x 3/4	5.90
2C-137	2C-137-S	2C-137-A	2C-137-Z		CR2C-137-S	1 3/8	2 1/4	9/16	1/4-28 x 3/4	5.70
2C-143	2C-143-S	2C-143-A	2C-143-Z		CR2C-143-S	1 7/16	2 1/4	9/16	1/4-28 x 3/4	5.23
2C-150	2C-150-S	2C-150-A	2C-150-Z		CR2C-150-S	1 1/2	2 3/8	9/16	1/4-28 x 3/4	6.06
2C-156	2C-156-S	2C-156-A	2C-156-Z		CR2C-156-S	1 9/16	2 3/8	9/16	1/4-28 x 3/4	5.61
2C-162	2C-162-S	2C-162-A	2C-162-Z		CR2C-162-S	1 5/8	2 5/8	11/16	5/16-24 x 1	9.31
2C-168	2C-168-S	2C-168-A	2C-168-Z		CR2C-168-S	1 11/16	2 3/4	11/16	5/16-24 x 1	9.86
2C-175	2C-175-S	2C-175-A	2C-175-Z		CR2C-175-S	1 3/4	2 3/4	11/16	5/16-24 x 1	11.00
2C-181	2C-181-S	2C-181-A	2C-181-Z		CR2C-181-S	1 13/16	2 7/8	11/16	5/16-24 x 1	10.90
2C-187	2C-187-S	2C-187-A	2C-187-Z		CR2C-187-S	1 7/8	2 7/8	11/16	5/16-24 x 1	10.46
2C-193	2C-193-S	2C-193-A	2C-193-Z		CR2C-193-S	1 15/16	3	11/16	5/16-24 x 1	11.57
2C-200	2C-200-S	2C-200-A	2C-200-Z		CR2C-200-S	2	3	11/16	5/16-24 x 1	11.00
2C-206	2C-206-S	2C-206-A	2C-206-Z		CR2C-206-S	2 1/16	3 1/4	3/4	5/16-24 x 1	11.00
2C-212	2C-212-S	2C-212-A	2C-212-Z		CR2C-212-S	2 1/8	3 1/4	3/4	5/16-24 x 1	15.00
2C-218	2C-218-S	2C-218-A	2C-218-Z		CR2C-218-S	2 3/16	3 1/4	3/4	5/16-24 x 1	14.00
2C-225	2C-225-S	2C-225-A	2C-225-Z		CR2C-225-S	2 1/4	3 1/4	3/4	5/16-24 x 1	13.10
2C-231	2C-231-S	2C-231-A	2C-231-Z		CR2C-231-S	2 5/16	3 1/2	3/4	5/16-24 x 1	15.90
2C-237	2C-237-S	2C-237-A	2C-237-Z		CR2C-237-S	2 3/8	3 1/2	3/4	5/16-24 x 1	15.20
2C-243	2C-243-S	2C-243-A	2C-243-Z		CR2C-243-S	2 7/16	3 1/2	3/4	5/16-24 x 1	15.30
2C-250	2C-250-S	2C-250-A	2C-250-Z		CR2C-250-S	2 1/2	3 3/4	7/8	3/8-24 x 1	22.30
2C-256	2C-256-S	2C-256-A	2C-256-Z		CR2C-256-S	2 9/16	3 7/8	7/8	3/8-24 x 1	24.00
2C-262	2C-262-S	2C-262-A	2C-262-Z		CR2C-262-S	2 5/8	3 7/8	7/8	3/8-24 x 1	24.00
2C-268	2C-268-S	2C-268-A	2C-268-Z		CR2C-268-S	2 11/16	4	7/8	3/8-24 x 1	25.00
2C-275	2C-275-S	2C-275-A	2C-275-Z		CR2C-275-S	2 3/4	4	7/8	3/8-24 x 1	24.00
2C-281	2C-281-S	2C-281-A	2C-281-Z		CR2C-281-S	2 13/16	4 1/4	7/8	3/8-24 x 1	29.20
2C-287	2C-287-S	2C-287-A	2C-287-Z		CR2C-287-S	2 7/8	4 1/4	7/8	3/8-24 x 1	29.00
2C-293	2C-293-S	2C-293-A	2C-293-Z		CR2C-293-S	2 15/16	4 1/4	7/8	3/8-24 x 1	26.50
2C-300	2C-300-S	2C-300-A	2C-300-Z		CR2C-300-S	3	4 1/4	7/8	3/8-24 x 1	25.80
H2C-318	H2C-318-S					3 3/16	4 1/2	7/8	3/8-24 x 1	28.30
H2C-325	H2C-325-S					3 1/4	4 1/2	7/8	3/8-24 x 1	27.30
H2C-337	H2C-337-S					3 3/8	4 3/4	7/8	3/8-24 x 1	29.00
H2C-343	H2C-343-S					3 7/16	4 3/4	7/8	3/8-24 x 1	31.00
H2C-350	H2C-350-S					3 1/2	4 3/4	7/8	3/8-24 x 1	29.10
H2C-375	H2C-375-S					3 3/4	5	7/8	3/8-24 x 1	32.00
H2C-393	H2C-393-S					3 15/16	5 1/4	7/8	3/8-24 x 1	35.00
H2C-400	H2C-400-S					4	5 1/4	7/8	3/8-24 x 1	33.00
H2C-425	H2C-425-S					4 1/4	5 1/2	7/8	3/8-24 x 1	35.00
H2C-443	H2C-443-S					4 7/16	5 3/4	7/8	3/8-24 x 1	38.50
H2C-450	H2C-450-S					4 1/2	5 3/4	7/8	3/8-24 x 1	36.00
H2C-493	H2C-493-S					4 15/16	6 1/4	7/8	3/8-24 x 1	42.50
H2C-500	H2C-500-S					5	6 1/4	7/8	3/8-24 x 1	40.10
H2C-525	H2C-525-S					5 1/4	6 3/4	7/8	3/8-24 x 1	42.00
H2C-550	H2C-550-S					5 1/2	6 3/4	7/8	3/8-24 x 1	43.30
H2C-593	H2C-593-S					5 15/16	7 1/4	7/8	3/8-24 x 1	50.30
H2C-600	H2C-600-S					6	7 1/4	7/8	3/8-24 x 1	47.60

Screw lengths for steel parts only

Bore sizes 3-3/16" through 6" do not have recessed screws

Zinc plated collars have stainless steel screws

Yellow zinc plated collars have black oxide screws

DIMENSION

BORE, INCH

TOLERANCE

+0.003 / -0.000



For 3D
Models &
2D Sales
Drawings

METRIC TWO-PIECE CLAMPING COLLARS **M2C-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD (IN)	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
M2C-03	M2C-03-S	3	1 1/16	9	M 3 x 8	0.40
M2C-04	M2C-04-S	4	1 1/16	9	M 3 x 8	0.40
M2C-05	M2C-05-S	5	1 1/16	9	M 3 x 8	0.40
M2C-06	M2C-06-S	6	3/4	9	M 3 x 8	0.46
M2C-07	M2C-07-S	7	3/4	9	M 3 x 8	0.43
M2C-08	M2C-08-S	8	1	9	M 3 x 10	0.90
M2C-09	M2C-09-S	9	1	9	M 3 x 10	0.81
M2C-10	M2C-10-S	10	1	9	M 3 x 10	0.80
M2C-12	M2C-12-S	12	1 1/8	11	M 4 x 12	1.31
M2C-13	M2C-13-S	13	1 1/4	11	M 4 x 12	1.50
M2C-14	M2C-14-S	14	1 1/4	11	M 4 x 12	1.50
M2C-15	M2C-15-S	15	1 3/8	13	M 5 x 16	2.30
M2C-16	M2C-16-S	16	1 3/8	13	M 5 x 16	2.25
M2C-17	M2C-17-S	17	1 1/2	13	M 5 x 16	2.60
M2C-18	M2C-18-S	18	1 1/2	13	M 5 x 16	2.40
M2C-19	M2C-19-S	19	1 5/8	15	M 6 x 16	3.61
M2C-20	M2C-20-S	20	1 5/8	15	M 6 x 16	3.41
M2C-21	M2C-21-S	21	1 3/4	15	M 6 x 16	3.90
M2C-22	M2C-22-S	22	1 3/4	15	M 6 x 16	3.71
M2C-23	M2C-23-S	23	1 7/8	15	M 6 x 16	4.45
M2C-24	M2C-24-S	24	1 7/8	15	M 6 x 16	4.20
M2C-25	M2C-25-S	25	1 7/8	15	M 6 x 16	4.80
M2C-26	M2C-26-S	26	2	15	M 6 x 16	4.00
M2C-28	M2C-28-S	28	2	15	M 6 x 16	4.40
M2C-30	M2C-30-S	30	2 1/8	15	M 6 x 16	5.90
M2C-32	M2C-32-S	32	2 1/8	15	M 6 x 16	5.50
M2C-34	M2C-34-S	34	2 1/4	15	M 6 x 16	6.11
M2C-35	M2C-35-S	35	2 1/4	15	M 6 x 16	5.90
M2C-36	M2C-36-S	36	2 1/4	15	M 6 x 16	5.70
M2C-38	M2C-38-S	38	2 3/8	15	M 6 x 16	6.31
M2C-40	M2C-40-S	40	2 3/8	15	M 6 x 16	5.70
M2C-42	M2C-42-S	42	2 7/8	19	M 8 x 25	13.50
M2C-45	M2C-45-S	45	2 7/8	19	M 8 x 25	12.50
M2C-48	M2C-48-S	48	3 1/8	19	M 8 x 25	14.10
M2C-50	M2C-50-S	50	3 1/8	19	M 8 x 25	13.50
M2C-54	M2C-54-S	54	3 1/4	19	M 8 x 25	14.30
M2C-55	M2C-55-S	55	3 1/4	19	M 8 x 25	14.00
M2C-60	M2C-60-S	60	3 1/2	19	M 8 x 25	15.50
M2C-65	M2C-65-S	65	3 3/4	19	M 8 x 25	16.70
M2C-70	M2C-70-S	70	4	19	M 8 x 25	17.70
M2C-75	M2C-75-S	75	4 1/4	19	M 8 x 25	18.80
M2C-80	M2C-80-S	80	4 1/4	19	M 8 x 25	19.70
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD (MM)	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
M2C-85	M2C-85-S	85	125	25	M 10 X 30	45.62
M2C-90	M2C-90-S	90	130	25	M 10 X 30	47.79
M2C-95	M2C-95-S	95	135	25	M 10 X 30	49.97
M2C-100	M2C-100-S	100	140	25	M 10 X 30	52.14
M2C-110	M2C-110-S	110	150	25	M 10 X 30	56.48
M2C-120	M2C-120-S	120	160	25	M 10 X 30	60.83
M2C-125	M2C-125-S	125	165	25	M 10 X 30	63.00
M2C-130	M2C-130-S	130	170	25	M 10 X 30	65.17
M2C-140	M2C-140-S	140	180	25	M 10 X 30	69.52
M2C-150	M2C-150-S	150	190	25	M 10 X 30	73.86



- Easily installed where major disassembly would otherwise be required
- Design fully engages the shaft without marring
- Greater axial holding power than set screw or one-piece collars
- Effective on both hard and soft shafts

DIMENSION
BORE, INCH

TOLERANCE
+0.08MM / -0.00MM

For 3D
Models &
2D Sales
Drawings



TWO-PIECE CLAMPING COLLARS RECESSED SCREW **H2C-SERIES**



- Recessed screw head provides an outside surface free of major projections for safety
- Easily installed where major disassembly would otherwise be required
- Design fully engages the shaft without marring
- Effective on both hard and soft shafts

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
H2C-012	H2C-012-S	1/8	13/16	1/4	4-40 x 3/8	0.48
H2C-018	H2C-018-S	3/16	13/16	1/4	4-40 x 3/8	0.44
H2C-025	H2C-025-S	1/4	13/16	1/4	4-40 x 3/8	0.42
H2C-031	H2C-031-S	5/16	13/16	1/4	4-40 x 3/8	0.40
H2C-037	H2C-037-S	3/8	1 1/16	5/16	6-32 x 3/8	0.89
H2C-043	H2C-043-S	7/16	1 1/16	5/16	6-32 x 3/8	0.83
H2C-050	H2C-050-S	1/2	1 1/4	3/8	8-32 x 1/2	1.45
H2C-056	H2C-056-S	9/16	1 1/4	3/8	8-32 x 1/2	1.41
H2C-062	H2C-062-S	5/8	1 1/2	13/32	10-32 x 1/2	2.20
H2C-068	H2C-068-S	11/16	1 1/2	13/32	10-32 x 1/2	2.10
H2C-075	H2C-075-S	3/4	1 3/4	1/2	1/4-28 x 5/8	3.60
H2C-081	H2C-081-S	13/16	1 3/4	1/2	1/4-28 x 5/8	3.50
H2C-087	H2C-087-S	7/8	1 7/8	1/2	1/4-28 x 5/8	4.10
H2C-093	H2C-093-S	15/16	1 7/8	1/2	1/4-28 x 5/8	3.90
H2C-100	H2C-100-S	1	2	1/2	1/4-28 x 5/8	4.50
H2C-106	H2C-106-S	1 1/16	2	1/2	1/4-28 x 5/8	4.30
H2C-112	H2C-112-S	1 1/8	2 1/8	1/2	1/4-28 x 3/4	5.00
H2C-118	H2C-118-S	1 3/16	2 1/8	1/2	1/4-28 x 3/4	4.70
H2C-125	H2C-125-S	1 1/4	2 1/4	1/2	1/4-28 x 3/4	5.30
H2C-131	H2C-131-S	1 5/16	2 1/4	1/2	1/4-28 x 3/4	5.00
H2C-137	H2C-137-S	1 3/8	2 3/8	1/2	1/4-28 x 3/4	5.80
H2C-143	H2C-143-S	1 7/16	2 3/8	1/2	1/4-28 x 3/4	5.50
H2C-150	H2C-150-S	1 1/2	2 1/2	1/2	1/4-28 x 3/4	6.20
H2C-156	H2C-156-S	1 9/16	2 1/2	1/2	1/4-28 x 3/4	5.80
H2C-162	H2C-162-S	1 5/8	3	5/8	5/16-24 x 1	12.50
H2C-168	H2C-168-S	1 11/16	3	5/8	5/16-24 x 1	12.10
H2C-175	H2C-175-S	1 3/4	3	5/8	5/16-24 x 1	11.50
H2C-187	H2C-187-S	1 7/8	3 1/4	5/8	5/16-24 x 1	13.80
H2C-193	H2C-193-S	1 15/16	3 1/4	5/8	5/16-24 x 1	13.40
H2C-200	H2C-200-S	2	3 1/4	5/8	5/16-24 x 1	12.70
H2C-212	H2C-212-S	2 1/8	3 1/2	5/8	5/16-24 x 1	15.00
H2C-218	H2C-218-S	2 3/16	3 1/2	5/8	5/16-24 x 1	14.60
H2C-225	H2C-225-S	2 1/4	3 1/2	5/8	5/16-24 x 1	14.00
H2C-237	H2C-237-S	2 3/8	3 1/2	5/8	5/16-24 x 1	13.40
H2C-243	H2C-243-S	2 7/16	4	3/4	3/8-24 x 1	12.90
H2C-250	H2C-250-S	2 1/2	4	3/4	3/8-24 x 1	22.80
H2C-262	H2C-262-S	2 5/8	4 1/4	3/4	3/8-24 x 1	26.60
H2C-268	H2C-268-S	2 11/16	4 1/4	3/4	3/8-24 x 1	26.00
H2C-275	H2C-275-S	2 3/4	4 1/4	3/4	3/8-24 x 1	25.10
H2C-287	H2C-287-S	2 7/8	4 1/2	3/4	3/8-24 x 1	29.00
H2C-293	H2C-293-S	2 15/16	4 1/2	3/4	3/8-24 x 1	28.00
H2C-300	H2C-300-S	3	4 1/2	3/4	3/8-24 x 1	26.60
H2C-318	H2C-318-S	3 3/16	4 1/2	7/8	3/8-24 x 1	28.30
H2C-325	H2C-325-S	3 1/4	4 1/2	7/8	3/8-24 x 1	27.30
H2C-337	H2C-337-S	3 3/8	4 3/4	7/8	3/8-24 x 1	29.00
H2C-343	H2C-343-S	3 7/16	4 3/4	7/8	3/8-24 x 1	31.00
H2C-350	H2C-350-S	3 1/2	4 3/4	7/8	3/8-24 x 1	29.10
H2C-375	H2C-375-S	3 3/4	5	7/8	3/8-24 x 1	32.00
H2C-393	H2C-393-S	3 15/16	5 1/4	7/8	3/8-24 x 1	35.00
H2C-400	H2C-400-S	4	5 1/4	7/8	3/8-24 x 1	33.00
H2C-425	H2C-425-S	4 1/4	5 1/2	7/8	3/8-24 x 1	35.00
H2C-443	H2C-443-S	4 7/16	5 3/4	7/8	3/8-24 x 1	38.50
H2C-450	H2C-450-S	4 1/2	5 3/4	7/8	3/8-24 x 1	36.00
H2C-493	H2C-493-S	4 15/16	6 1/4	7/8	3/8-24 x 1	42.50
H2C-500	H2C-500-S	5	6 1/4	7/8	3/8-24 x 1	40.10
H2C-525	H2C-525-S	5 1/4	6 3/4	7/8	3/8-24 x 1	42.00
H2C-550	H2C-550-S	5 1/2	6 3/4	7/8	3/8-24 x 1	43.30
H2C-593	H2C-593-S	5 15/16	7 1/4	7/8	3/8-24 x 1	50.30
H2C-600	H2C-600-S	6	7 1/4	7/8	3/8-24 x 1	47.60

Bore sizes 3-3/16" through 6" do not have recessed screws

DIMENSION

BORE, INCH

TOLERANCE

+0.003 / -0.000



For 3D
Models &
2D Sales
Drawings

RE-MACHINABLE TWO-PIECE CLAMPING COLLARS **R2C-SERIES**

PART NUMBER				PRODUCT SPECIFICATIONS					
UNPLATED STEEL	BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	PILOT BORE	MAX BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
R2C-075-DT	R2C-075	R2C-075-S	R2C-075-A	1/8	3/4	1 3/4	1/2	1/4-28 x 5/8	6.40
R2C-100-DT	R2C-100		R2C-100-A	1/2	1	2 1/4	1/2	1/4-28 x 5/8	9.60
R2C-156-DT	R2C-156	R2C-156-S		5/8	1 9/16	2 1/2	1/2	1/4-28 x 3/4	11.20
R2C-200-DT	R2C-200	R2C-200-S	R2C-200-A	3/4	2	3 1/4	5/8	5/16-24 x 1	24.00
	R2C-262			1	2 5/8	4 1/4	3/4	3/8-24 x 1	48.00
	R2C-300			1 1/4	3	4 1/2	3/4	3/8-24 x 1	51.20
		R2C-425-S	R2C-425-A	2	4 1/4	5 1/2	7/8	3/8-24 x 1	84.80
		R2C-500-S		2 1/2	5	6 1/4	7/8	3/8-24 x 1	105.60

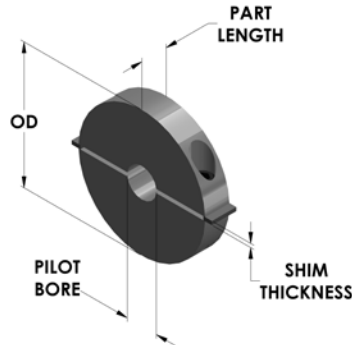


- Collar designed with an undersized ID
- Allows for rebores of the ID without damaging the existing clamp screws
- Pilot bore can be opened safely to the nominal ID reflected in the part number
- Easily installed where major disassembly would otherwise be required
- Design fully engages the shaft without marring

When rebores the R2C-Series Collars:

1. Start by inserting the shims in the saw cuts of the collar as illustrated. Shim thickness is provided in the chart below.

PILOT BORE (IN)	MAX BORE (IN)	OD (IN)	WIDTH (IN)	SHIM THICKNESS (IN)
1/8	3/4	1 3/4	1/2	0.063
1/2	1	2 1/4	1/2	0.063
5/8	1 9/16	2 1/2	1/2	0.093
3/4	2	3 1/4	5/8	0.093
1	2 5/8	4 1/4	3/4	0.125
1 1/4	3	4 1/2	3/4	0.125
2	4 1/4	5 1/2	7/8	0.125
2 1/2	5	6 1/4	7/8	0.125
3	6	7 1/4	7/8	0.125



2. Tighten the clamp screws so that the collar clamps down on the shims.
3. The collar bore is then machined with the installation screws tightened and the shims on both sides holding the two halves of the collar apart.

DIMENSION
BORE, INCH
TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



SHAFT MOUNT COLLARS **2SMC-SERIES**

PART NUMBER			PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	OD	WIDTH	ACROSS FLATS	SCREW SIZE	APPROX WEIGHT (OZ)
2SMC-025	2SMC-025-S	2SMC-025-A	1/4	11/16	5/16	9/16	4-40 x 3/8	0.35
2SMC-037	2SMC-037-S	2SMC-037-A	3/8	7/8	3/8	3/4	6-32 x 3/8	0.67
2SMC-050	2SMC-050-S	2SMC-050-A	1/2	1 1/8	13/32	1	8-32 x 1/2	1.28
2SMC-062	2SMC-062-S	2SMC-062-A	5/8	1 5/16	7/16	1 3/16	10-32 x 1/2	1.86
2SMC-075	2SMC-075-S	2SMC-075-A	3/4	1 1/2	1/2	1 5/16	1/4-28 x 5/8	2.72
2SMC-087	2SMC-087-S	2SMC-087-A	7/8	1 5/8	1/2	1 7/16	1/4-28 x 5/8	2.94
2SMC-100	2SMC-100-S	2SMC-100-A	1	1 3/4	1/2	1 9/16	1/4-28 x 5/8	3.26
2SMC-112	2SMC-112-S	2SMC-112-A	1 1/8	1 7/8	1/2	1 11/16	1/4-28 x 3/4	3.61
2SMC-125	2SMC-125-S	2SMC-125-A	1 1/4	2 1/16	1/2	1 7/8	1/4-28 x 3/4	4.42
2SMC-137	2SMC-137-S	2SMC-137-A	1 3/8	2 1/4	9/16	2 1/16	1/4-28 x 3/4	5.70
2SMC-150	2SMC-150-S	2SMC-150-A	1 1/2	2 3/8	9/16	2 3/16	1/4-28 x 3/4	6.21
2SMC-162	2SMC-162-S	2SMC-162-A	1 5/8	2 5/8	11/16	2 7/16	5/16-24 x 1	9.63
2SMC-175	2SMC-175-S	2SMC-175-A	1 3/4	2 3/4	11/16	2 9/16	5/16-24 x 1	10.11
2SMC-200	2SMC-200-S	2SMC-200-A	2	3	11/16	2 13/16	5/16-24 x 1	11.23



- Collars have machined flats for mounting to each other or attached precisely to flat surfaces in a repeatable manner
- Easily installed where major disassembly would otherwise be required

DIMENSION
BORE, INCH
TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



ACETAL TWO-PIECE CLAMPING COLLARS **N2C-SERIES**



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

- Ideal for wash down environments, will not rust or corrode
- USDA approved
- Easily installed where major disassembly would otherwise be required

PART NUMBER		PRODUCT SPECIFICATIONS			
ACETAL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
N2C-025	1/4	5/8	5/16	4-40 x 3/8	0.22
N2C-037	3/8	7/8	11/32	6-32 x 3/8	0.38
N2C-050	1/2	1 1/8	13/32	8-32 x 1/2	0.62
N2C-062	5/8	1 5/16	7/16	10-32 x 1/2	0.88
N2C-075	3/4	1 1/2	1/2	1/4-28 x 5/8	1.30
N2C-100	1	1 3/4	1/2	1/4-28 x 5/8	1.85

Acetal collars include stainless steel screws

TWO-PIECE CLAMPING COLLARS DOUBLE WIDE **D2C-SERIES**



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

- Ideal for space constrained applications
- High axial load capacity
- Easily installed where major disassembly would otherwise be required
- Design fully engages the shaft without marring
- Effective on both hard and soft shafts

PART NUMBER			PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
D2C-012	D2C-012-S	D2C-012-A	1/8	11/16	5/8	4-40 x 3/8	0.87
D2C-018	D2C-018-S	D2C-018-A	3/16	11/16	5/8	4-40 x 3/8	0.79
D2C-025	D2C-025-S	D2C-025-A	1/4	11/16	5/8	4-40 x 3/8	0.77
D2C-031	D2C-031-S	D2C-031-A	5/16	11/16	5/8	4-40 x 3/8	0.69
D2C-037	D2C-037-S	D2C-037-A	3/8	7/8	3/4	6-32 x 3/8	1.44
D2C-050	D2C-050-S	D2C-050-A	1/2	1 1/8	7/8	8-32 x 1/2	2.54
D2C-062	D2C-062-S	D2C-062-A	5/8	1 5/16	15/16	10-32 x 1/2	3.64
D2C-075	D2C-075-S	D2C-075-A	3/4	1 1/2	1 1/16	1/4-28 x 5/8	5.24
D2C-087	D2C-087-S	D2C-087-A	7/8	1 5/8	1 1/16	1/4-28 x 5/8	5.69
D2C-100	D2C-100-S	D2C-100-A	1	1 3/4	1 1/16	1/4-28 x 5/8	6.24

TWO-PIECE CLAMPING COLLARS WITH KEYWAY **2C-KW-SERIES**



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

- For use on keyed shafts
- Easily installed where major disassembly would otherwise be required
- Design fully engages the shaft without marring
- Greater axial holding power than set screw or one-piece collars
- Effective on both hard and soft shafts

PART NUMBER			PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	OD	WIDTH	SCREW SIZE	KEYWAY SIZE	APPROX WEIGHT (OZ)
2C-037-KW	2C-037-S-KW	2C-037-A-KW	3/8	7/8	3/8	6-32 x 3/8	3/32	0.71
2C-050-KW	2C-050-S-KW	2C-050-A-KW	1/2	1 1/8	13/32	8-32 x 1/2	1/8	1.26
2C-062-KW	2C-062-S-KW	2C-062-A-KW	5/8	1 5/16	7/16	10-32 x 1/2	3/16	1.80
2C-075-KW	2C-075-S-KW	2C-075-A-KW	3/4	1 1/2	1/2	1/4-28 x 5/8	3/16	2.60
2C-100-KW	2C-100-S-KW	2C-100-A-KW	1	1 3/4	1/2	1/4-28 x 5/8	1/4	3.10
2C-125-KW	2C-125-S-KW	2C-125-A-KW	1 1/4	2 1/16	1/2	1/4-28 x 3/4	1/4	4.22
2C-150-KW	2C-150-S-KW	2C-150-A-KW	1 1/2	2 3/8	9/16	1/4-28 x 3/4	3/8	6.04
2C-200-KW	2C-200-S-KW	2C-200-A-KW	2	3	11/16	5/16-24 x 1	1/2	10.97
2C-218-KW	2C-218-S-KW	2C-218-A-KW	2 3/16	3 1/4	3/4	5/16-24 x 1	1/2	13.96



- Traditional cost effective collar
- Effective on both hard and soft shafts

Zinc plated collars have black oxide coated screws

Yellow zinc plated collars have black oxide coated screws

DIMENSION	
BORE, INCH	
BORE SIZE	BORE TOLERANCE
1/16" TO 1/2"	+0.0005 / +0.0025
9/16" TO 2"	+0.0005 / +0.0030
2 1/16" TO 5 15/16"	+0.0010 / +0.0040

For 3D
Models &
2D Sales
Drawings



PART NUMBER							PRODUCT SPECIFICATIONS				
ZINC PLATED STEEL	UNPLATED STEEL	BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	YELLOW ZINC	316 STAINLESS STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
C-006	C-006-DT	C-006-BO	C-006-S	C-006-A	CRC-006	CRC-006-S	1/16	1/4	3/16	2-56 x 1/8	0.10
C-009	C-009-DT	C-009-BO	C-009-S	C-009-A	CRC-009	CRC-009-S	3/32	3/8	3/16	6-32 x 1/8	0.10
C-012	C-012-DT	C-012-BO	C-012-S	C-012-A	CRC-012	CRC-012-S	1/8	3/8	1/4	6-32 x 1/8	0.10
C-015	C-015-DT	C-015-BO	C-015-S	C-015-A	CRC-015	CRC-015-S	5/32	7/16	1/4	8-32 x 1/8	0.10
C-018	C-018-DT	C-018-BO	C-018-S	C-018-A	CRC-018	CRC-018-S	3/16	7/16	1/4	8-32 x 1/8	0.10
C-025	C-025-DT	C-025-BO	C-025-S	C-025-A	CRC-025	CRC-025-S	1/4	1/2	5/16	10-32 x 1/8	0.20
C-031	C-031-DT	C-031-BO	C-031-S	C-031-A	CRC-031	CRC-031-S	5/16	5/8	5/16	10-32 x 1/8	0.30
C-037	C-037-DT	C-037-BO	C-037-S	C-037-A	CRC-037	CRC-037-S	3/8	3/4	3/8	1/4-20 x 3/16	0.50
C-043	C-043-DT	C-043-BO	C-043-S	C-043-A	CRC-043	CRC-043-S	7/16	7/8	7/16	1/4-20 x 1/4	0.80
C-050	C-050-DT	C-050-BO	C-050-S	C-050-A	CRC-050	CRC-050-S	1/2	1	7/16	1/4-20 x 1/4	1.10
C-056	C-056-DT	C-056-BO	C-056-S	C-056-A		CRC-056-S	9/16	1	7/16	1/4-20 x 1/4	1.00
C-062	C-062-DT	C-062-BO	C-062-S	C-062-A	CRC-062	CRC-062-S	5/8	1 1/8	1/2	5/16-18 x 1/4	1.50
C-068	C-068-DT	C-068-BO	C-068-S	C-068-A		CRC-068-S	11/16	1 1/4	9/16	5/16-18 x 1/4	2.00
C-075	C-075-DT	C-075-BO	C-075-S	C-075-A	CRC-075	CRC-075-S	3/4	1 1/4	9/16	5/16-18 x 1/4	1.90
C-081	C-081-DT	C-081-BO	C-081-S	C-081-A		CRC-081-S	13/16	1 1/4	9/16	5/16-18 x 1/4	1.70
C-087	C-087-DT	C-087-BO	C-087-S	C-087-A		CRC-087-S	7/8	1 1/2	9/16	5/16-18 x 5/16	2.90
C-093	C-093-DT	C-093-BO	C-093-S	C-093-A		CRC-093-S	15/16	1 1/2	9/16	5/16-24 x 1/4	2.74
C-100	C-100-DT	C-100-BO	C-100-S	C-100-A	CRC-100	CRC-100-S	1	1 1/2	5/8	5/16-24 x 1/4	2.78
C-106	C-106-DT	C-106-BO	C-106-S	C-106-A		CRC-106-S	1 1/16	1 3/4	5/8	5/16-18 x 5/16	4.10
C-112	C-112-DT	C-112-BO	C-112-S	C-112-A		CRC-112-S	1 1/8	1 3/4	5/8	5/16-18 x 5/16	3.90
C-118	C-118-DT	C-118-BO	C-118-S	C-118-A		CRC-118-S	1 3/16	2	11/16	3/8-16 x 3/8	6.10
C-125	C-125-DT	C-125-BO	C-125-S	C-125-A	CRC-125	CRC-125-S	1 1/4	2	11/16	3/8-16 x 3/8	5.70
C-131	C-131-DT	C-131-BO	C-131-S	C-131-A		CRC-131-S	1 5/16	2 1/8	11/16	3/8-16 x 3/8	6.60
C-137	C-137-DT	C-137-BO	C-137-S	C-137-A		CRC-137-S	1 3/8	2 1/8	3/4	3/8-16 x 3/8	6.70
C-143	C-143-DT	C-143-BO	C-143-S	C-143-A		CRC-143-S	1 7/16	2 1/4	3/4	3/8-16 x 3/8	7.60
C-150	C-150-DT	C-150-BO	C-150-S	C-150-A		CRC-150-S	1 1/2	2 1/4	3/4	3/8-16 x 3/8	7.20
C-156	C-156-DT	C-156-BO	C-156-S	C-156-A		CRC-156-S	1 9/16	2 1/2	13/16	3/8-16 x 3/8	10.70
C-162	C-162-DT	C-162-BO	C-162-S	C-162-A		CRC-162-S	1 5/8	2 1/2	13/16	3/8-16 x 3/8	10.10
C-168	C-168-DT	C-168-BO	C-168-S	C-168-A		CRC-168-S	1 11/16	2 1/2	13/16	3/8-16 x 3/8	9.50
C-175	C-175-DT	C-175-BO	C-175-S	C-175-A		CRC-175-S	1 3/4	2 5/8	7/8	1/2-13 x 1/2	11.40
C-181	C-181-DT	C-181-BO	C-181-S	C-181-A		CRC-181-S	1 13/16	2 3/4	7/8	1/2-13 x 1/2	12.70
C-187	C-187-DT	C-187-BO	C-187-S	C-187-A		CRC-187-S	1 7/8	2 3/4	7/8	1/2-13 x 1/2	12.20
C-193	C-193-DT	C-193-BO	C-193-S	C-193-A		CRC-193-S	1 15/16	3	7/8	1/2-13 x 1/2	15.70
C-200	C-200-DT	C-200-BO	C-200-S	C-200-A		CRC-200-S	2	3	7/8	1/2-13 x 1/2	14.90
C-206	C-206-DT	C-206-BO	C-206-S	C-206-A		CRC-206-S	2 1/16	3	7/8	1/2-13 x 1/2	14.90
C-212	C-212-DT	C-212-BO	C-212-S	C-212-A		CRC-212-S	2 1/8	3	7/8	1/2-13 x 1/2	13.30
C-218	C-218-DT	C-218-BO	C-218-S	C-218-A		CRC-218-S	2 3/16	3 1/4	15/16	1/2-13 x 1/2	18.60
C-225	C-225-DT	C-225-BO	C-225-S	C-225-A		CRC-225-S	2 1/4	3 1/4	15/16	1/2-13 x 1/2	17.70
C-231	C-231-DT	C-231-BO	C-231-S	C-231-A		CRC-231-S	2 5/16	3 1/4	15/16	1/2-13 x 1/2	16.80
C-237	C-237-DT	C-237-BO	C-237-S	C-237-A		CRC-237-S	2 3/8	3 1/4	15/16	1/2-13 x 1/2	15.90
C-243	C-243-DT	C-243-BO	C-243-S	C-243-A		CRC-243-S	2 7/16	3 1/2	1	1/2-13 x 1/2	21.80
C-250	C-250-DT	C-250-BO	C-250-S	C-250-A		CRC-250-S	2 1/2	3 1/2	1	1/2-13 x 1/2	20.80
C-256	C-256-DT	C-256-BO	C-256-S	C-256-A		CRC-256-S	2 9/16	3 3/4	1	1/2-13 x 1/2	25.96
C-262	C-262-DT	C-262-BO	C-262-S	C-262-A		CRC-262-S	2 5/8	4	1 1/8	1/2-13 x 1/2	35.49
C-268	C-268-DT	C-268-BO	C-268-S	C-268-A		CRC-268-S	2 11/16	4	1 1/8	1/2-13 x 1/2	34.40
C-275	C-275-DT	C-275-BO	C-275-S	C-275-A		CRC-275-S	2 3/4	4	1 1/8	1/2-13 x 1/2	33.50
C-281	C-281-DT	C-281-BO	C-281-S	C-281-A		CRC-281-S	2 13/16	4	1 1/8	1/2-13 x 1/2	29.70
C-287	C-287-DT	C-287-BO	C-287-S	C-287-A		CRC-287-S	2 7/8	4	1 1/8	1/2-13 x 1/2	29.70
C-293	C-293-DT	C-293-BO	C-293-S	C-293-A		CRC-293-S	2 15/16	4	1 1/8	1/2-13 x 1/2	29.30
C-300	C-300-DT	C-300-BO	C-300-S	C-300-A		CRC-300-S	3	4	1 1/8	1/2-13 x 1/2	27.70
C-318	C-318-DT	C-318-BO					3 3/16	4 1/4	1 1/8	1/2-13 x 1/2	31.00
C-325	C-325-DT	C-325-BO					3 1/4	4 1/4	1 1/8	1/2-13 x 1/2	35.00
C-343	C-343-DT	C-343-BO					3 7/16	4 1/2	1 1/8	1/2-13 x 1/2	33.00
C-350	C-350-DT	C-350-BO					3 1/2	4 3/4	1 1/8	1/2-13 x 1/2	40.70
C-393	C-393-DT	C-393-BO					3 15/16	5	1 1/8	1/2-13 x 1/2	37.60
C-400	C-400-DT	C-400-BO					4	5	1 1/8	1/2-13 x 1/2	39.00
C-418	C-418-DT	C-418-BO					4 3/16	5 1/2	1 1/8	1/2-13 x 1/2	50.53
C-425	C-425-DT	C-425-BO					4 1/4	5 1/2	1 1/8	1/2-13 x 1/2	55.00
C-443	C-443-DT	C-443-BO					4 7/16	5 1/2	1 1/8	1/2-13 x 1/2	41.20
C-450	C-450-DT	C-450-BO					4 1/2	5 1/2	1 1/4	1/2-13 x 1/2	44.00
C-468	C-468-DT	C-468-BO					4 11/16	6	1 1/4	1/2-13 x 1/2	62.00
C-493	C-493-DT	C-493-BO					4 15/16	6	1 1/4	1/2-13 x 1/2	53.10
C-500	C-500-DT	C-500-BO					5	6	1 1/4	1/2-13 x 1/2	56.00
C-518	C-518-DT	C-518-BO					5 3/16	6 1/2	1 1/4	1/2-13 x 1/2	67.20
C-543	C-543-DT	C-543-BO					5 7/16	6 1/2	1 1/4	1/2-13 x 1/2	55.00
C-568	C-568-DT	C-568-BO					5 11/16	7	1 1/4	1/2-13 x 1/2	72.80
C-593	C-593-DT	C-593-BO					5 15/16	7	1 1/4	1/2-13 x 1/2	57.70

METRIC SET SCREW COLLARS MC-SERIES



- Traditional cost effective collar
- Effective on both hard and soft shafts

DIMENSION BORE, MM	
BORE SIZE	BORE TOLERANCE
2 TO 12MM	+0.01 / +0.06MM
14 TO 100MM	+0.01 / +0.08MM



For 3D
Models &
2D Sales
Drawings

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD (IN)	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
MC-02	MC-02-S	2	1/4	3.5	M 2 x 3	0.02
MC-02.5	MC-02.5-S	2.5	3/8	3.5	M 2 x 3	0.03
MC-03	MC-03-S	3	3/8	5	M 2 x 3	0.03
MC-04	MC-04-S	4	3/8	5	M 2 x 3	0.05
MC-05	MC-05-S	5	1/2	6	M 3 x 3	0.09
MC-06	MC-06-S	6	1/2	8	M 4 x 4	0.17
MC-08	MC-08-S	8	5/8	8	M 4 x 4	0.30
MC-09	MC-09-S	9	5/8	8	M 4 x 4	0.30
MC-10	MC-10-S	10	7/8	10	M 5 x 5	0.60
MC-12	MC-12-S	12	7/8	12	M 6 x 6	0.84
MC-13	MC-13-S	13	7/8	12	M 6 x 6	1.00
MC-14	MC-14-S	14	1	12	M 6 x 6	1.00
MC-15	MC-15-S	15	1	12	M 6 x 6	1.00
MC-16	MC-16-S	16	1 1/8	12	M 6 x 6	1.30
MC-18	MC-18-S	18	1 1/4	14	M 6 x 6	2.00
MC-20	MC-20-S	20	1 1/4	14	M 6 x 6	1.70
MC-22	MC-22-S	22	1 1/2	14	M 6 x 6	2.30
MC-24	MC-24-S	24	1 5/8	14	M 8 x 8	3.00
MC-25	MC-25-S	25	1 5/8	16	M 8 x 8	3.20
MC-28	MC-28-S	28	1 7/8	16	M 8 x 8	4.10
MC-30	MC-30-S	30	1 7/8	16	M 8 x 8	3.80
MC-32	MC-32-S	32	2	16	M 8 x 8	4.90
MC-34	MC-34-S	34	2	16	M 8 x 8	4.51
MC-35	MC-35-S	35	2 1/4	16	M 8 x 10	6.40
MC-36	MC-36-S	36	2 1/4	16	M 8 x 10	6.10
MC-38	MC-38-S	38	2 1/4	16	M 8 x 10	5.70
MC-40	MC-40-S	40	2 3/8	18	M 10 x 10	7.50
MC-45	MC-45-S	45	2 7/8	18	M 10 x 10	12.60
MC-50	MC-50-S	50	3 1/8	18	M 10 x 10	13.60
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD (MM)	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
MC-55	MC-55-S	55	85	25	M 12 X 12	22.82
MC-60	MC-60-S	60	85	25	M 12 X 12	19.68
MC-65	MC-65-S	65	95	25	M 12 X 12	26.06
MC-70	MC-70-S	70	95	25	M 12 X 12	22.40
MC-75	MC-75-S	75	105	28	M 12 X 12	32.85
MC-80	MC-80-S	80	105	28	M 12 X 12	28.13
MC-85	MC-85-S	85	115	28	M 12 X 12	36.50
MC-90	MC-90-S	90	115	28	M 12 X 12	31.17
MC-95	MC-95-S	95	125	28	M 12 X 12	40.14
MC-100	MC-100-S	100	125	28	M 12 X 12	34.22

ACETAL SET SCREW COLLARS NC-SERIES



- Ideal for wash down environments
- Will not rust or corrode
- USDA approved



For 3D
Models &
2D Sales
Drawings

DIMENSION BORE, INCH	
TOLERANCE	
+0.003 / -0.000	

PART NUMBER	PRODUCT SPECIFICATIONS				
ACETAL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
NC-025	1/4	1/2	5/16	10-32 x 1/8	0.04
NC-031	5/16	5/8	5/16	10-32 x 1/8	0.06
NC-037	3/8	3/4	3/8	1/4-20 x 3/16	0.10
NC-050	1/2	1	7/16	1/4-20 x 1/4	0.23
NC-062	5/8	1 1/8	1/2	5/16-18 x 1/4	0.30
NC-075	3/4	1 1/4	9/16	5/16-18 x 1/4	0.38
NC-087	7/8	1 1/2	9/16	5/16-18 x 5/16	0.55
NC-100	1	1 5/8	5/8	5/16-18 x 5/16	0.60

Acetal collars include stainless steel screws

LIGHTWEIGHT SET SCREW COLLARS **LC-SERIES**

- Smaller width ideal for limited spaces
- Traditional cost effective collar
- Effective on both hard and soft shafts

PART NUMBER	PRODUCT SPECIFICATIONS				
ZINC PLATED STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
LC-025	1/4	1/2	1/4	8-32 x 1/8	0.15
LC-031	5/16	9/16	1/4	8-32 x 1/8	0.18
LC-037	3/8	5/8	5/16	10-32 x 1/8	0.25
LC-043	7/16	5/8	3/8	10-32 x 1/8	0.24
LC-050	1/2	7/8	3/8	1/4-20 x 3/16	0.65
LC-062	5/8	1	7/16	1/4-20 x 3/16	0.90
LC-075	3/4	1 1/8	7/16	1/4-20 x 3/16	1.01
LC-087	7/8	1 1/4	7/16	1/4-20 x 3/16	1.16
LC-100	1	1 1/2	7/16	1/4-20 x 1/4	1.83
LC-125	1 1/4	1 3/4	1/2	5/16-18 x 1/4	2.50

Zinc plated collars have black oxide coated screws



DIMENSION	
BORE, INCH	
BORE SIZE	BORE TOLERANCE
1/4" TO 1/2"	+0.0005 / +0.0025
5/8" TO 1 1/4"	+0.0005 / +0.0030

For 3D
Models &
2D Sales
Drawings



TWO-HOLE SET SCREW COLLARS **C-2H-SERIES**

- Load capacity is nearly doubled by adding a second screw
- Set screws are at 90°
- Effective on both hard and soft shafts

PART NUMBER	PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
C-025-2H @ 90°	1/4	1/2	5/16	10-32 x 1/8	0.20
C-037-2H @ 90°	3/8	3/4	3/8	1/4-20 x 3/16	0.50
C-050-2H @ 90°	1/2	1	7/16	1/4-20 x 1/4	1.10
C-062-2H @ 90°	5/8	1 1/8	1/2	5/16-18 x 1/4	1.50
C-075-2H @ 90°	3/4	1 1/4	9/16	5/16-18 x 1/4	1.90
C-100-2H @ 90°	1	1 1/2	5/8	5/16-24 x 1/4	2.78
C-125-2H @ 90°	1 1/4	2	11/16	3/8-16 x 3/8	5.70
C-150-2H @ 90°	1 1/2	2 1/4	3/4	3/8-16 x 3/8	7.20
C-200-2H @ 90°	2	3	7/8	1/2-13 x 1/2	14.90



DIMENSION	
BORE, INCH	
TOLERANCE	
+0.003 / -0.000	

For 3D
Models &
2D Sales
Drawings



SET SCREW COLLARS WITH KEYWAY **C-KW-SERIES**

- For use on keyed shafts
- Traditional cost effective collar
- Effective on both hard and soft shafts

PART NUMBER			PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	OD	WIDTH	SCREW SIZE	KEYWAY SIZE
C-100-KW	C-100-S-KW	C-100-A-KW	1	1 1/2	5/8	5/16-24 x 1/4	1/4
C-125-KW	C-125-S-KW	C-125-A-KW	1 1/4	2	11/16	3/8-16 x 1/4	1/4
C-150-KW	C-150-S-KW	C-150-A-KW	1 1/2	2 1/4	3/4	3/8-16 x 1/4	3/8
C-200-KW	C-200-S-KW	C-200-A-KW	2	3	7/8	1/2-13 x 3/8	1/2
							APPROX WEIGHT (OZ)
							2.78
							5.70
							7.20
							14.90

Keyway on bore size 1" is 90° to the screw



DIMENSION	
BORE, INCH	
TOLERANCE	
+0.003 / -0.000	

For 3D
Models &
2D Sales
Drawings



ONE-PIECE THREADED CLAMPING COLLARS **ISTC-SERIES**



- Design fully engages the thread for secure locking
- Effective on both hard and soft shafts

Screw lengths for steel parts only

Bore thread sizes 1-3/4-16 and 2-12 do not have a relief cut



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE THREAD	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
ISTC-010-32	ISTC-010-32-S	10-32	11/16	5/16	4-40 x 3/8	0.43
ISTC-025-20	ISTC-025-20-S	1/4-20	11/16	5/16	4-40 x 3/8	0.40
ISTC-025-28	ISTC-025-28-S	1/4-28	11/16	5/16	4-40 x 3/8	0.41
ISTC-031-18	ISTC-031-18-S	5/16-18	11/16	5/16	4-40 x 3/8	0.40
ISTC-031-24	ISTC-031-24-S	5/16-24	11/16	5/16	4-40 x 3/8	0.40
ISTC-037-16	ISTC-037-16-S	3/8-16	7/8	3/8	6-32 x 3/8	0.80
ISTC-037-24	ISTC-037-24-S	3/8-24	7/8	3/8	6-32 x 3/8	0.74
ISTC-043-14	ISTC-043-14-S	7/16-14	15/16	11/32	6-32 x 3/8	1.20
ISTC-043-20	ISTC-043-20-S	7/16-20	15/16	11/32	6-32 x 3/8	0.97
ISTC-050-13	ISTC-050-13-S	1/2-13	1 1/8	13/32	8-32 x 1/2	1.40
ISTC-050-20	ISTC-050-20-S	1/2-20	1 1/8	13/32	8-32 x 1/2	1.40
ISTC-062-11	ISTC-062-11-S	5/8-11	1 5/16	7/16	10-32 x 1/2	2.00
ISTC-062-18	ISTC-062-18-S	5/8-18	1 5/16	7/16	10-32 x 1/2	2.00
ISTC-075-10	ISTC-075-10-S	3/4-10	1 1/2	1/2	1/4-28 x 5/8	2.90
ISTC-075-16	ISTC-075-16-S	3/4-16	1 1/2	1/2	1/4-28 x 5/8	2.80
ISTC-087-09	ISTC-087-09-S	7/8-9	1 5/8	1/2	1/4-28 x 5/8	3.20
ISTC-087-14	ISTC-087-14-S	7/8-14	1 5/8	1/2	1/4-28 x 5/8	3.12
ISTC-100-08	ISTC-100-08-S	1-8	1 3/4	1/2	1/4-28 x 5/8	3.44
ISTC-100-12	ISTC-100-12-S	1-12	1 3/4	1/2	1/4-28 x 5/8	3.48
ISTC-100-14	ISTC-100-14-S	1-14	1 3/4	1/2	1/4-28 x 5/8	3.50
ISTC-112-07	ISTC-112-07-S	1 1/8-7	1 7/8	1/2	1/4-28 x 3/4	4.00
ISTC-112-12	ISTC-112-12-S	1 1/8-12	1 7/8	1/2	1/4-28 x 3/4	3.80
ISTC-125-07	ISTC-125-07-S	1 1/4-7	2 1/16	1/2	1/4-28 x 3/4	4.70
ISTC-125-12	ISTC-125-12-S	1 1/4-12	2 1/16	1/2	1/4-28 x 3/4	4.60
ISTC-137-06	ISTC-137-06-S	1 3/8-6	2 1/4	9/16	1/4-28 x 3/4	6.25
ISTC-137-12	ISTC-137-12-S	1 3/8-12	2 1/4	9/16	1/4-28 x 3/4	6.25
ISTC-150-06	ISTC-150-06-S	1 1/2-6	2 3/8	9/16	1/4-28 x 3/4	6.70
ISTC-150-12	ISTC-150-12-S	1 1/2-12	2 3/8	9/16	1/4-28 x 3/4	6.60
ISTC-175-16	ISTC-175-16-S	1 3/4-16	2 3/4	11/16	5/16-24 x 1	10.50
ISTC-200-12	ISTC-200-12-S	2-12	3	11/16	5/16-24 x 1	11.80

ONE-PIECE THREADED CLAMPING COLLARS RECESSED SCREW **TC-SERIES**



- Design fully engages the thread for secure locking
- Recessed screw head provides an outside surface free of major projections for safety
- Effective on both hard and soft shafts

Screw lengths for steel parts only

Bore thread sizes 1-3/4-16 and 2-12 do not have a relief cut



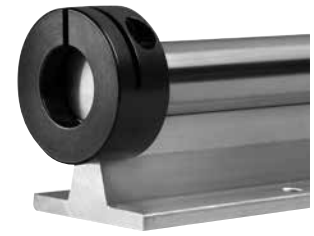
For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE THREAD	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
TC-010-32	TC-010-32-S	10-32	11/16	1/4	4-40 x 5/16	0.34
TC-025-20	TC-025-20-S	1/4-20	13/16	1/4	4-40 x 3/8	0.47
TC-025-28	TC-025-28-S	1/4-28	13/16	1/4	4-40 x 3/8	0.48
TC-031-18	TC-031-18-S	5/16-18	13/16	1/4	4-40 x 3/8	0.45
TC-031-24	TC-031-24-S	5/16-24	13/16	1/4	4-40 x 3/8	0.44
TC-037-16	TC-037-16-S	3/8-16	1 1/16	5/16	6-32 x 3/8	1.00
TC-037-24	TC-037-24-S	3/8-24	1 1/16	5/16	6-32 x 3/8	1.00
TC-050-13	TC-050-13-S	1/2-13	1 1/4	3/8	8-32 x 1/2	1.60
TC-050-20	TC-050-20-S	1/2-20	1 1/4	3/8	8-32 x 1/2	1.60
TC-062-11	TC-062-11-S	5/8-11	1 1/2	13/32	10-32 x 1/2	2.50
TC-062-18	TC-062-18-S	5/8-18	1 1/2	13/32	10-32 x 1/2	2.50
TC-075-10	TC-075-10-S	3/4-10	1 3/4	1/2	1/4-28 x 5/8	4.10
TC-075-16	TC-075-16-S	3/4-16	1 3/4	1/2	1/4-28 x 5/8	4.10
TC-087-09	TC-087-09-S	7/8-9	1 7/8	1/2	1/4-28 x 5/8	4.60
TC-087-14	TC-087-14-S	7/8-14	1 7/8	1/2	1/4-28 x 5/8	4.50
TC-100-08	TC-100-08-S	1-8	2	1/2	1/4-28 x 5/8	5.00
TC-100-14	TC-100-14-S	1-14	2	1/2	1/4-28 x 5/8	5.00
TC-112-07	TC-112-07-S	1 1/8-7	2 1/8	1/2	1/4-28 x 3/4	5.50
TC-112-12	TC-112-12-S	1 1/8-12	2 1/8	1/2	1/4-28 x 3/4	5.50
TC-125-07	TC-125-07-S	1 1/4-7	2 1/4	1/2	1/4-28 x 3/4	6.00
TC-125-12	TC-125-12-S	1 1/4-12	2 1/4	1/2	1/4-28 x 3/4	6.00
TC-150-06	TC-150-06-S	1 1/2-6	2 1/2	1/2	1/4-28 x 3/4	6.90
TC-150-12	TC-150-12-S	1 1/2-12	2 1/2	1/2	1/4-28 x 3/4	6.70
TC-175-16	TC-175-16-S	1 3/4-16	3	5/8	5/16-24 x 1	12.40
TC-200-12	TC-200-12-S	2-12	3 1/4	5/8	5/16-24 x 1	13.90

PART NUMBER		PRODUCT SPECIFICATIONS				
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	OD	WIDTH	SCREW SIZE	APPROX WEIGHT (OZ)
ESC-050	ESC-050-S	1/2	1 3/8	3/4	8-32 x 5/8	3.57
ESC-062	ESC-062-S	5/8	1 1/2	3/4	10-32 x 5/8	3.97
ESC-075	ESC-075-S	3/4	1 3/4	7/8	1/4-28 x 5/8	6.29
ESC-100	ESC-100-S	1	2	7/8	1/4-28 x 5/8	7.81
ESC-125	ESC-125-S	1 1/4	2 1/2	1	1/4-28 x 5/8	14.05
ESC-150	ESC-150-S	1 1/2	2 3/4	1	1/4-28 x 5/8	16.96



- Designed to fit over rail assembly on precision shafting

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



DRILL STOP KITS

Drill stop collar kit makes it easy to drill holes or consecutive holes at a uniform depth. These collars can be located anywhere along the bit. The kit includes set screw shaft collars and necessary hex keys for easy installation. Shaft collar sizes range from 1/8" to 1/2".

Drill Kit #100
DK-Refill #101
(collars only)



Features & Benefits

- Set screw collars firmly grip to the outer diameter of the drill bit
- Zinc plated steel
- Fits drill bit sizes 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
- Packaged in a sturdy plastic box
- DK-Refill #101 contains only collars

To View
Product
Details



ONE-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS ISCC-SERIES



- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw couplings
- Effective on both hard and soft shafts

PART NUMBER			PRODUCT SPECIFICATIONS						
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)	
ISCC-025-025	ISCC-025-025-S	ISCC-025-025-A	1/4	1/4	11/16	1 1/8	4-40 x 3/8	1.50	
ISCC-037-025	ISCC-037-025-S		3/8	1/4	7/8	1 3/8	6-32 x 3/8	2.70	
ISCC-037-037	ISCC-037-037-S	ISCC-037-037-A	3/8	3/8	7/8	1 3/8	6-32 x 3/8	2.60	
ISCC-050-037	ISCC-050-037-S		1/2	3/8	1 1/8	1 3/4	8-32 x 1/2	6.00	
ISCC-050-050	ISCC-050-050-S	ISCC-050-050-A	1/2	1/2	1 1/8	1 3/4	8-32 x 1/2	5.70	
ISCC-062-050	ISCC-062-050-S		5/8	1/2	1 5/16	2	10-32 x 1/2	9.00	
ISCC-062-062	ISCC-062-062-S		5/8	5/8	1 5/16	2	10-32 x 1/2	8.50	
ISCC-075-050	ISCC-075-050-S		3/4	1/2	1 1/2	2 1/4	1/4-28 x 5/8	12.20	
ISCC-075-062	ISCC-075-062-S		3/4	5/8	1 1/2	2 1/4	1/4-28 x 5/8	12.20	
ISCC-075-075	ISCC-075-075-S		3/4	3/4	1 1/2	2 1/4	1/4-28 x 5/8	12.20	
ISCC-087-062	ISCC-087-062-S		7/8	5/8	1 5/8	2 1/2	1/4-28 x 5/8	15.40	
ISCC-087-087	ISCC-087-087-S		7/8	7/8	1 5/8	2 1/2	1/4-28 x 5/8	15.40	
ISCC-100-050	ISCC-100-050-S		1	1/2	1 3/4	3	1/4-28 x 5/8	23.60	
ISCC-100-075	ISCC-100-075-S		1	3/4	1 3/4	3	1/4-28 x 5/8	20.00	
ISCC-100-100	ISCC-100-100-S		1	1	1 3/4	3	1/4-28 x 5/8	20.00	
ISCC-112-100	ISCC-112-100-S		1 1/8	1	1 7/8	3 1/8	1/4-28 x 3/4	22.00	
ISCC-112-112	ISCC-112-112-S		1 1/8	1 1/8	1 7/8	3 1/8	1/4-28 x 3/4	22.00	
ISCC-125-100	ISCC-125-100-S		1 1/4	1	2 1/16	3 1/4	1/4-28 x 3/4	28.40	
ISCC-125-125	ISCC-125-125-S		1 1/4	1 1/4	2 1/16	3 1/4	1/4-28 x 3/4	28.40	
ISCC-137-100	ISCC-137-100-S		1 3/8	1	2 1/4	3 1/2	1/4-28 x 3/4	37.00	
ISCC-137-137	ISCC-137-137-S		1 3/8	1 3/8	2 1/4	3 1/2	1/4-28 x 3/4	37.00	
ISCC-143-143	ISCC-143-143-S		1 7/16	1 7/16	2 5/8	3 3/8	5/16-24 x 1	48.00	
ISCC-150-100	ISCC-150-100-S		1 1/2	1	2 5/8	3 7/8	5/16-24 x 1	49.50	
ISCC-150-150	ISCC-150-150-S		1 1/2	1 1/2	2 5/8	3 7/8	5/16-24 x 1	49.50	
ISCC-175-175	ISCC-175-175-S		1 3/4	1 3/4	3 1/8	4 1/2	3/8-24 x 1	102.30	
ISCC-193-193	ISCC-193-193-S		1 15/16	1 15/16	3 3/8	4 7/8	3/8-24 x 1	106.00	
ISCC-200-200	ISCC-200-200-S		2	2	3 3/8	4 7/8	3/8-24 x 1	107.00	



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

ONE-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS ISCC-SERIES WITH KEYWAY



- For use on keyed shafts
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw couplings
- Effective on both hard and soft shafts

PART NUMBER		PRODUCT SPECIFICATIONS								
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)	
ISCC-037-037-KW	ISCC-037-037SKW	3/8	3/8	7/8	1 3/8	6-32 x 3/8	3/32	3/32	2.60	
ISCC-050-050-KW	ISCC-050-050SKW	1/2	1/2	1 1/8	1 3/4	8-32 x 1/2	1/8	1/8	5.70	
ISCC-062-062-KW	ISCC-062-062SKW	5/8	5/8	1 5/16	2	10-32 x 1/2	3/16	3/16	8.50	
ISCC-075-075-KW	ISCC-075-075SKW	3/4	3/4	1 1/2	2 1/4	1/4-28 x 5/8	3/16	3/16	12.20	
ISCC-087-087-KW	ISCC-087-087SKW	7/8	7/8	1 5/8	2 1/2	1/4-28 x 5/8	3/16	3/16	15.40	
ISCC-100-100-KW	ISCC-100-100SKW	1	1	1 3/4	3	1/4-28 x 5/8	1/4	1/4	20.00	
ISCC-112-112-KW	ISCC-112-112SKW	1 1/8	1 1/8	1 7/8	3 1/8	1/4-28 x 3/4	1/4	1/4	22.00	
ISCC-125-125-KW	ISCC-125-125SKW	1 1/4	1 1/4	2 1/16	3 1/4	1/4-28 x 3/4	1/4	1/4	28.40	
ISCC-137-137-KW	ISCC-137-137SKW	1 3/8	1 3/8	2 1/4	3 1/2	1/4-28 x 3/4	5/16	5/16	37.00	
ISCC-143-143-KW	ISCC-143-143SKW	1 7/16	1 7/16	2 5/8	3 3/8	5/16-24 x 1	3/8	3/8	48.00	
ISCC-150-150-KW	ISCC-150-150SKW	1 1/2	1 1/2	2 5/8	3 7/8	5/16-24 x 1	3/8	3/8	49.50	
ISCC-175-175-KW	ISCC-175-175SKW	1 3/4	1 3/4	3 1/8	4 1/2	3/8-24 x 1	3/8	3/8	102.30	
ISCC-193-193-KW	ISCC-193-193SKW	1 15/16	1 15/16	3 3/8	4 7/8	3/8-24 x 1	1/2	1/2	106.00	
ISCC-200-200-KW	ISCC-200-200SKW	2	2	3 3/8	4 7/8	3/8-24 x 1	1/2	1/2	107.00	



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

METRIC ONE-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS **MISCC-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
MISCC-06-06	MISCC-06-06-S	6	6	18	30	M 3 x 8	1.60
MISCC-08-08	MISCC-08-08-S	8	8	24	35	M 3 x 10	2.80
MISCC-09-09	MISCC-09-09-S	9	9	24	35	M 3 x 10	2.80
MISCC-10-10	MISCC-10-10-S	10	10	29	45	M 4 x 12	6.93
MISCC-12-12	MISCC-12-12-S	12	12	29	45	M 4 x 12	6.50
MISCC-14-14	MISCC-14-14-S	14	14	34	50	M 5 x 16	8.80
MISCC-15-15	MISCC-15-15-S	15	15	34	50	M 5 x 16	8.60
MISCC-16-16	MISCC-16-16-S	16	16	34	50	M 5 x 16	8.40
MISCC-20-20	MISCC-20-20-S	20	20	42	65	M 6 x 16	18.00
MISCC-25-25	MISCC-25-25-S	25	25	45	75	M 6 x 16	22.39
MISCC-30-30	MISCC-30-30-S	30	30	53	83	M 6 x 16	36.14
MISCC-35-35	MISCC-35-35-S	35	35	67	95	M 8 x 25	39.00
MISCC-40-40	MISCC-40-40-S	40	40	77	108	M 8 x 25	90.00
MISCC-50-50	MISCC-50-50-S	50	50	85	124	M 10 x 25	108.00



- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw couplings
- Effective on both hard and soft shafts

DIMENSION
BORE, MM

TOLERANCE
+0.08 / -0.00MM

For 3D
Models &
2D Sales
Drawings



METRIC ONE-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS **MISCC-SERIES** WITH KEYWAY

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
MISCC-08-08-KW	MISCC-08-08-SKW	8	8	24	35	M 3 x 10	2	2	2.80
MISCC-09-09-KW	MISCC-09-09-SKW	9	9	24	35	M 3 x 10	3	3	2.80
MISCC-10-10-KW	MISCC-10-10-SKW	10	10	29	45	M 4 x 12	3	3	6.93
MISCC-12-12-KW	MISCC-12-12-SKW	12	12	29	45	M 4 x 12	4	4	6.50
MISCC-14-14-KW	MISCC-14-14-SKW	14	14	34	50	M 5 x 16	5	5	8.80
MISCC-15-15-KW	MISCC-15-15-SKW	15	15	34	50	M 5 x 16	5	5	8.60
MISCC-16-16-KW	MISCC-16-16-SKW	16	16	34	50	M 5 x 16	5	5	8.40
MISCC-20-20-KW	MISCC-20-20-SKW	20	20	42	65	M 6 x 16	6	6	18.00
MISCC-25-25-KW	MISCC-25-25-SKW	25	25	45	75	M 6 x 16	8	8	22.39
MISCC-30-30-KW	MISCC-30-30-SKW	30	30	53	83	M 6 x 16	8	8	36.14
MISCC-35-35-KW	MISCC-35-35-SKW	35	35	67	95	M 8 x 25	10	10	39.00
MISCC-40-40-KW	MISCC-40-40-SKW	40	40	77	108	M 8 x 25	12	12	90.00
MISCC-50-50-KW	MISCC-50-50-SKW	50	50	85	124	M 10 x 25	14	14	108.00



- For use on keyed shafts
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw couplings
- Effective on both hard and soft shafts

DIMENSION
BORE, MM

TOLERANCE
+0.08 / -0.00MM

For 3D
Models &
2D Sales
Drawings



ONE-PIECE CLAMPING COUPLINGS RECESSED SCREW **CC-SERIES**



- Recessed screw head provides an outside surface free of major projections
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw couplings
- Effective on both hard and soft shafts



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

PART NUMBER	PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
CC-025-025	1/4	1/4	13/16	1 1/4	4-40 x 3/8	2.26
CC-037-025	3/8	1/4	1 1/16	1 5/8	6-32 x 3/8	5.13
CC-037-037	3/8	3/8	1 1/16	1 5/8	6-32 x 3/8	4.96
CC-050-037	1/2	3/8	1 1/4	1 7/8	8-32 x 1/2	8.11
CC-050-050	1/2	1/2	1 1/4	1 7/8	8-32 x 1/2	7.70
CC-062-050	5/8	1/2	1 1/2	2 1/4	10-32 x 1/2	13.30
CC-062-062	5/8	5/8	1 1/2	2 1/4	10-32 x 1/2	22.40
CC-075-050	3/4	1/2	1 3/4	2 5/8	1/4-28 x 5/8	22.00
CC-075-062	3/4	5/8	1 3/4	2 5/8	1/4-28 x 5/8	22.00
CC-075-075	3/4	3/4	1 3/4	2 5/8	1/4-28 x 5/8	20.90
CC-087-062	7/8	5/8	1 7/8	2 7/8	1/4-28 x 5/8	27.40
CC-087-087	7/8	7/8	1 7/8	2 7/8	1/4-28 x 5/8	25.40
CC-100-050	1	1/2	2	3	1/4-28 x 5/8	32.80
CC-100-075	1	3/4	2	3	1/4-28 x 5/8	31.40
CC-100-100	1	1	2	3	1/4-28 x 5/8	29.00
CC-112-100	1 1/8	1	2 1/8	3 1/4	1/4-28 x 3/4	35.90
CC-112-112	1 1/8	1 1/8	2 1/8	3 1/4	1/4-28 x 3/4	34.70
CC-125-100	1 1/4	1	2 1/4	3 3/8	1/4-28 x 3/4	41.80
CC-125-125	1 1/4	1 1/4	2 1/4	3 3/8	1/4-28 x 3/4	38.40
CC-137-100	1 3/8	1	2 3/8	3 5/8	1/4-28 x 3/4	50.00
CC-137-137	1 3/8	1 3/8	2 3/8	3 5/8	1/4-28 x 3/4	44.70
CC-143-143	1 7/16	1 7/16	2 3/8	3 5/8	1/4-28 x 3/4	49.50
CC-150-100	1 1/2	1	2 1/2	3 3/4	1/4-28 x 3/4	57.40
CC-150-150	1 1/2	1 1/2	2 1/2	3 3/4	1/4-28 x 3/4	49.50
CC-175-175	1 3/4	1 3/4	3	4 1/2	5/16-24 x 1	90.00
CC-193-193	1 15/16	1 15/16	3 1/4	4 7/8	5/16-24 x 1	105.00
CC-200-200	2	2	3 1/4	4 7/8	5/16-24 x 1	107.00
CC-225-225	2 1/4	2 1/4	3 1/2	5	5/16-24 x 1	130.00

ONE-PIECE CLAMPING COUPLINGS RECESSED SCREW WITH KEYWAY **CC-SERIES**



- Recessed screw head provides an outside surface free of major projections
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw couplings
- Effective on both hard and soft shafts



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

PART NUMBER	PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
CC-037-037-KW	3/8	3/8	1 1/16	1 5/8	6-32 x 3/8	3/32	3/32	4.96
CC-050-050-KW	1/2	1/2	1 1/4	1 7/8	8-32 x 1/2	1/8	1/8	7.70
CC-062-062-KW	5/8	5/8	1 1/2	2 1/4	10-32 x 1/2	3/16	3/16	22.40
CC-075-075-KW	3/4	3/4	1 3/4	2 5/8	1/4-28 x 5/8	3/16	3/16	20.90
CC-087-087-KW	7/8	7/8	1 7/8	2 7/8	1/4-28 x 5/8	3/16	3/16	25.40
CC-100-100-KW	1	1	2	3	1/4-28 x 5/8	1/4	1/4	29.00
CC-112-112-KW	1 1/8	1 1/8	2 1/8	3 1/4	1/4-28 x 3/4	1/4	1/4	34.70
CC-125-125-KW	1 1/4	1 1/4	2 1/4	3 3/8	1/4-28 x 3/4	1/4	1/4	38.40
CC-137-137-KW	1 3/8	1 3/8	2 3/8	3 5/8	1/4-28 x 3/4	5/16	5/16	44.70
CC-143-143-KW	1 7/16	1 7/16	2 3/8	3 5/8	1/4-28 x 3/4	3/8	3/8	49.50
CC-150-150-KW	1 1/2	1 1/2	2 1/2	3 3/4	1/4-28 x 3/4	3/8	3/8	49.50
CC-175-175-KW	1 3/4	1 3/4	3	4 1/2	5/16-24 x 1	3/8	3/8	90.00
CC-193-193-KW	1 15/16	1 15/16	3 1/4	4 7/8	5/16-24 x 1	1/2	1/2	105.00
CC-200-200-KW	2	2	3 1/4	4 7/8	5/16-24 x 1	1/2	1/2	107.00
CC-225-225-KW	2 1/4	2 1/4	3 1/2	5	5/16-24 x 1	1/2	1/2	130.00

TWO-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS **2ISCC-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
2ISCC-025-025	2ISCC-025-025-S	1/4	1/4	11/16	1 1/8	4-40 x 3/8	1.50
2ISCC-037-025	2ISCC-037-025-S	3/8	1/4	7/8	1 3/8	6-32 x 3/8	2.60
2ISCC-037-037	2ISCC-037-037-S	3/8	3/8	7/8	1 3/8	6-32 x 3/8	2.60
2ISCC-050-037	2ISCC-050-037-S	1/2	3/8	1 1/8	1 3/4	8-32 x 1/2	5.70
2ISCC-050-050	2ISCC-050-050-S	1/2	1/2	1 1/8	1 3/4	8-32 x 1/2	5.70
2ISCC-062-050	2ISCC-062-050-S	5/8	1/2	1 5/16	2	10-32 x 1/2	8.50
2ISCC-062-062	2ISCC-062-062-S	5/8	5/8	1 5/16	2	10-32 x 1/2	8.50
2ISCC-075-050	2ISCC-075-050-S	3/4	1/2	1 1/2	2 1/4	1/4-28 x 5/8	12.20
2ISCC-075-062	2ISCC-075-062-S	3/4	5/8	1 1/2	2 1/4	1/4-28 x 5/8	12.20
2ISCC-075-075	2ISCC-075-075-S	3/4	3/4	1 1/2	2 1/4	1/4-28 x 5/8	12.20
2ISCC-087-062	2ISCC-087-062-S	7/8	5/8	1 5/8	2 1/2	1/4-28 x 5/8	15.40
2ISCC-087-087	2ISCC-087-087-S	7/8	7/8	1 5/8	2 1/2	1/4-28 x 5/8	15.40
2ISCC-100-050	2ISCC-100-050-S	1	1/2	1 3/4	3	1/4-28 x 5/8	23.60
2ISCC-100-075	2ISCC-100-075-S	1	3/4	1 3/4	3	1/4-28 x 5/8	23.60
2ISCC-100-100	2ISCC-100-100-S	1	1	1 3/4	3	1/4-28 x 5/8	23.60
2ISCC-112-100	2ISCC-112-100-S	1 1/8	1	1 7/8	3 1/8	1/4-28 x 5/8	33.00
2ISCC-112-112	2ISCC-112-112-S	1 1/8	1 1/8	1 7/8	3 1/8	1/4-28 x 5/8	33.00
2ISCC-125-100	2ISCC-125-100-S	1 1/4	1	2 1/16	3 1/4	1/4-28 x 3/4	28.40
2ISCC-125-125	2ISCC-125-125-S	1 1/4	1 1/4	2 1/16	3 1/4	1/4-28 x 3/4	28.40
2ISCC-137-100	2ISCC-137-100-S	1 3/8	1	2 1/2	3 5/8	5/16-24 x 1	37.00
2ISCC-137-137	2ISCC-137-137-S	1 3/8	1 3/8	2 1/2	3 5/8	5/16-24 x 1	37.00
2ISCC-143-143	2ISCC-143-143-S	1 7/16	1 7/16	2 5/8	3 7/8	5/16-24 x 1	48.00
2ISCC-150-100	2ISCC-150-100-S	1 1/2	1	2 5/8	3 7/8	5/16-24 x 1	49.50
2ISCC-150-150	2ISCC-150-150-S	1 1/2	1 1/2	2 5/8	3 7/8	5/16-24 x 1	49.50
2ISCC-175-175	2ISCC-175-175-S	1 3/4	1 3/4	3 1/8	4 1/2	3/8-24 x 1	102.30
2ISCC-193-193	2ISCC-193-193-S	1 15/16	1 15/16	3 3/8	4 7/8	3/8-24 x 1	106.00
2ISCC-200-200	2ISCC-200-200-S	2	2	3 3/8	4 7/8	3/8-24 x 1	107.00



- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw and one-piece couplings
- Effective on both hard and soft shafts

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



TWO-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS **2ISCC-SERIES** WITH KEYWAY

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
2ISCC-037-037KW	2ISCC037-037SKW	3/8	3/8	7/8	1 3/8	6-32 x 3/8	3/32	3/32	2.60
2ISCC-050-037KW	2ISCC050-037SKW	1/2	3/8	1 1/8	1 3/4	8-32 x 1/2	1/8	3/32	5.70
2ISCC-050-050KW	2ISCC050-050SKW	1/2	1/2	1 1/8	1 3/4	8-32 x 1/2	1/8	1/8	5.70
2ISCC-062-050KW	2ISCC062-050SKW	5/8	1/2	1 5/16	2	10-32 x 1/2	3/16	1/8	8.50
2ISCC-062-062KW	2ISCC062-062SKW	5/8	5/8	1 5/16	2	10-32 x 1/2	3/16	3/16	8.50
2ISCC-075-050KW	2ISCC075-050SKW	3/4	1/2	1 1/2	2 1/4	1/4-28 x 5/8	3/16	1/8	12.20
2ISCC-075-062KW	2ISCC075-062SKW	3/4	5/8	1 1/2	2 1/4	1/4-28 x 5/8	3/16	3/16	12.20
2ISCC-075-075KW	2ISCC075-075SKW	3/4	3/4	1 1/2	2 1/4	1/4-28 x 5/8	3/16	3/16	12.20
2ISCC-087-062KW	2ISCC087-062SKW	7/8	5/8	1 5/8	2 1/2	1/4-28 x 5/8	3/16	3/16	15.40
2ISCC-087-087KW	2ISCC087-087SKW	7/8	7/8	1 5/8	2 1/2	1/4-28 x 5/8	3/16	3/16	15.40
2ISCC-100-050KW	2ISCC100-050SKW	1	1/2	1 3/4	3	1/4-28 x 5/8	1/4	1/8	23.60
2ISCC-100-075KW	2ISCC100-075SKW	1	3/4	1 3/4	3	1/4-28 x 5/8	1/4	3/16	23.60
2ISCC-100-100KW	2ISCC100-100SKW	1	1	1 3/4	3	1/4-28 x 5/8	1/4	1/4	23.60
2ISCC-112-100KW	2ISCC112-100SKW	1 1/8	1	1 7/8	3 1/8	1/4-28 x 5/8	1/4	1/4	33.00
2ISCC-112-112KW	2ISCC112-112SKW	1 1/8	1 1/8	1 7/8	3 1/8	1/4-28 x 5/8	1/4	1/4	33.00
2ISCC-125-100KW	2ISCC125-100SKW	1 1/4	1	2 1/16	3 1/4	1/4-28 x 3/4	1/4	1/4	28.40
2ISCC-125-125KW	2ISCC125-125SKW	1 1/4	1 1/4	2 1/16	3 1/4	1/4-28 x 3/4	1/4	1/4	28.40
2ISCC-137-100KW	2ISCC137-100SKW	1 3/8	1	2 1/2	3 5/8	5/16-24 x 1	5/16	1/4	37.00
2ISCC-137-137KW	2ISCC137-137SKW	1 3/8	1 3/8	2 1/2	3 5/8	5/16-24 x 1	5/16	5/16	37.00
2ISCC-143-143KW	2ISCC143-143SKW	1 7/16	1 7/16	2 5/8	3 7/8	5/16-24 x 1	3/8	3/8	48.00
2ISCC-150-100KW	2ISCC150-100SKW	1 1/2	1	2 5/8	3 7/8	5/16-24 x 1	3/8	1/4	49.50
2ISCC-150-150KW	2ISCC150-150SKW	1 1/2	1 1/2	2 5/8	3 7/8	5/16-24 x 1	3/8	3/8	49.50
2ISCC-175-175KW	2ISCC175-175SKW	1 3/4	1 3/4	3 1/8	4 1/2	3/8-24 x 1	3/8	3/8	102.30
2ISCC-193-193KW	2ISCC193-193SKW	1 15/16	1 15/16	3 3/8	4 7/8	3/8-24 x 1	1/2	1/2	106.00
2ISCC-200-200KW	2ISCC200-200SKW	2	2	3 3/8	4 7/8	3/8-24 x 1	1/2	1/2	107.00



- For use on keyed shafts
- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw and one-piece couplings
- Effective on both hard and soft shafts

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



METRIC TWO-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS **2MISCC-SERIES**



- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw and one-piece couplings
- Effective on both hard and soft shafts



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, MM

TOLERANCE
+0.08 / -0.00MM

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
2MISCC-06-06	2MISCC-06-06-S	6	6	18	30	M 3 x 8	1.50
2MISCC-08-08	2MISCC-08-08-S	8	8	24	35	M 3 x 10	2.70
2MISCC-09-09	2MISCC-09-09-S	9	9	24	35	M 3 x 10	2.40
2MISCC-10-10	2MISCC-10-10-S	10	10	29	45	M 4 x 12	6.83
2MISCC-12-12	2MISCC-12-12-S	12	12	29	45	M 4 x 12	6.40
2MISCC-14-14	2MISCC-14-14-S	14	14	34	50	M 5 x 16	8.60
2MISCC-15-15	2MISCC-15-15-S	15	15	34	50	M 5 x 16	8.40
2MISCC-16-16	2MISCC-16-16-S	16	16	34	50	M 5 x 16	8.20
2MISCC-20-20	2MISCC-20-20-S	20	20	42	65	M 6 x 16	17.60
2MISCC-25-25	2MISCC-25-25-S	25	25	45	75	M 6 x 16	21.90
2MISCC-30-30	2MISCC-30-30-S	30	30	53	83	M 6 x 16	35.60
2MISCC-35-35	2MISCC-35-35-S	35	35	67	95	M 8 x 25	38.40
2MISCC-40-40	2MISCC-40-40-S	40	40	77	108	M 8 x 25	89.00
2MISCC-50-50	2MISCC-50-50-S	50	50	85	124	M 10 x 25	110.00

METRIC TWO-PIECE INDUSTRY STANDARD CLAMPING COUPLINGS **2MISCC-SERIES** WITH KEYWAY



- For use on keyed shafts
- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw and one-piece couplings
- Effective on both hard and soft shafts



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, MM

TOLERANCE
+0.08 / -0.00MM

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
2MISCC-08-08-KW	2MISCC-08-08SKW	8	8	24	35	M 3 x 10	2	2	2.70
2MISCC-09-09-KW	2MISCC-09-09SKW	9	9	24	35	M 3 x 10	3	3	2.40
2MISCC-10-10-KW	2MISCC-10-10SKW	10	10	29	45	M 4 x 12	3	3	6.83
2MISCC-12-12-KW	2MISCC-12-12SKW	12	12	29	45	M 4 x 12	4	4	6.40
2MISCC-14-14-KW	2MISCC-14-14SKW	14	14	34	50	M 5 x 16	5	5	8.60
2MISCC-15-15-KW	2MISCC-15-15SKW	15	15	34	50	M 5 x 16	5	5	8.40
2MISCC-16-16-KW	2MISCC-16-16SKW	16	16	34	50	M 5 x 16	5	5	8.20
2MISCC-20-20-KW	2MISCC-20-20SKW	20	20	42	65	M 6 x 16	6	6	17.60
2MISCC-25-25-KW	2MISCC-25-25SKW	25	25	45	75	M 6 x 16	8	8	21.90
2MISCC-30-30-KW	2MISCC-30-30SKW	30	30	53	83	M 6 x 16	8	8	35.60
2MISCC-35-35-KW	2MISCC-35-35SKW	35	35	67	95	M 8 x 25	10	10	38.40
2MISCC-40-40-KW	2MISCC-40-40SKW	40	40	77	108	M 8 x 25	12	12	89.00
2MISCC-50-50-KW	2MISCC-50-50SKW	50	50	85	124	M 10 x 25	14	14	110.00

TWO-PIECE CLAMPING COUPLINGS RECESSED SCREW **2CC-SERIES**

PART NUMBER	PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
2CC-025-025	1/4	1/4	13/16	1 1/4	4-40 x 3/8	2.26
2CC-037-025	3/8	1/4	1 1/16	1 5/8	6-32 x 3/8	5.13
2CC-037-037	3/8	3/8	1 1/16	1 5/8	6-32 x 3/8	4.96
2CC-050-037	1/2	3/8	1 1/4	1 7/8	8-32 x 1/2	8.11
2CC-050-050	1/2	1/2	1 1/4	1 7/8	8-32 x 1/2	7.90
2CC-062-050	5/8	1/2	1 1/2	2 1/4	10-32 x 1/2	13.60
2CC-062-062	5/8	5/8	1 1/2	2 1/4	10-32 x 1/2	22.50
2CC-075-050	3/4	1/2	1 3/4	2 5/8	1/4-28 x 5/8	22.00
2CC-075-062	3/4	5/8	1 3/4	2 5/8	1/4-28 x 5/8	22.00
2CC-075-075	3/4	3/4	1 3/4	2 5/8	1/4-28 x 5/8	22.00
2CC-087-062	7/8	5/8	1 7/8	2 7/8	1/4-28 x 5/8	27.40
2CC-087-087	7/8	7/8	1 7/8	2 7/8	1/4-28 x 5/8	26.00
2CC-100-050	7/8	5/8	2	3	1/4-28 x 5/8	27.40
2CC-100-075	1	3/4	2	3	1/4-28 x 5/8	29.10
2CC-100-100	1	1	2	3	1/4-28 x 5/8	29.10
2CC-112-100	1 1/8	1	2 1/8	3 1/4	1/4-28 x 3/4	35.90
2CC-112-112	1 1/8	1 1/8	2 1/8	3 1/4	1/4-28 x 3/4	34.20
2CC-125-100	1 1/4	1	2 1/4	3 3/8	1/4-28 x 3/4	42.40
2CC-125-125	1 1/4	1 1/4	2 1/4	3 3/8	1/4-28 x 3/4	42.40
2CC-137-100	1 3/8	1	2 3/8	3 5/8	1/4-28 x 3/4	45.20
2CC-137-137	1 3/8	1 3/8	2 3/8	3 5/8	1/4-28 x 3/4	45.20
2CC-143-143	1 7/16	1 7/16	2 1/2	3 3/4	1/4-28 x 3/4	49.50
2CC-150-100	1 1/2	1	2 1/2	3 3/4	1/4-28 x 3/4	57.40
2CC-150-150	1 1/2	1 1/2	2 1/2	3 3/4	1/4-28 x 3/4	49.50
2CC-175-175	1 3/4	1 3/4	3	4 1/2	5/16-24 x 1	90.00
2CC-193-193	1 15/16	1 15/16	3 1/4	4 7/8	5/16-24 x 1	105.00
2CC-200-200	2	2	3 1/4	4 7/8	5/16-24 x 1	110.00
2CC-225-225	2 1/4	2 1/4	3 1/2	5	5/16-24 x 1	130.00



- Recessed screw head provides an outside surface free of major projections
- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw and one-piece couplings
- Effective on both hard and soft shafts

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings

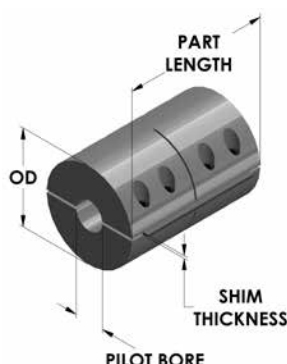


RE-MACHINABLE COUPLINGS **R2CC-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	PILOT BORE	MAX BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
R2CC-075-075	R2CC-075-075-S	1/4	3/4	1 3/4	2 5/8	1/4-28 x 5/8	27.50
R2CC-100-100	R2CC-100-100-S	1/2	1	2	3	1/4-28 x 5/8	36.40
R2CC-150-150	R2CC-150-150-S	3/4	1 1/2	2 1/2	3 3/4	1/4-28 x 3/4	69.30
R2CC-200-200	R2CC-200-200-S	1	2	3 1/4	4 7/8	5/16-24 x 1	154.00

When rebores the R2CC-Series Couplings:

1. Start by inserting a 0.093" shim in the saw cuts on both sides of the coupling as illustrated.
2. Tighten the clamp screws so that the coupling clamps down on the shims.
3. The coupling bore is then machined with the installation screws tightened and the shims on both sides holding the two halves of the coupling apart.



- Two-piece clamping coupling designed with a pilot bore
- Allows for rebores of the ID without damaging the existing clamp screws
- Pilot bore can be opened safely to the nominal ID reflected in the part number

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

For 3D
Models &
2D Sales
Drawings



TWO-PIECE CLAMPING COUPLINGS RECESSED SCREW WITH KEYWAY **2CC-SERIES**



- For use on keyed shafts
- Recessed screw head provides an outside surface free of major projections
- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity
- Design fully engages the shaft without marring
- Greater axial holding power than set screw and one-piece couplings
- Effective on both hard and soft shafts

PART NUMBER	PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
2CC-037-037-KW	3/8	3/8	1 1/16	1 5/8	6-32 x 3/8	3/32	3/32	4.96
2CC-050-037-KW	1/2	3/8	1 1/4	1 7/8	8-32 x 1/2	1/8	3/32	8.11
2CC-050-050-KW	1/2	1/2	1 1/4	1 7/8	8-32 x 1/2	1/8	1/8	7.90
2CC-062-050-KW	5/8	1/2	1 1/2	2 1/4	10-32 x 1/2	3/16	1/8	13.60
2CC-062-062-KW	5/8	5/8	1 1/2	2 1/4	10-32 x 1/2	3/16	3/16	22.50
2CC-075-050-KW	3/4	1/2	1 3/4	2 5/8	1/4-28 x 5/8	3/16	1/8	22.00
2CC-075-062-KW	3/4	5/8	1 3/4	2 5/8	1/4-28 x 5/8	3/16	3/16	22.00
2CC-075-075-KW	3/4	3/4	1 3/4	2 5/8	1/4-28 x 5/8	3/16	3/16	22.00
2CC-087-062-KW	7/8	5/8	1 7/8	2 7/8	1/4-28 x 5/8	3/16	3/16	27.40
2CC-087-087-KW	7/8	7/8	1 7/8	2 7/8	1/4-28 x 5/8	3/16	3/16	26.00
2CC-100-050-KW	1	1/2	2	3	1/4-28 x 5/8	1/4	1/8	27.40
2CC-100-075-KW	1	3/4	2	3	1/4-28 x 5/8	1/4	3/16	29.10
2CC-100-100-KW	1	1	2	3	1/4-28 x 5/8	1/4	1/4	29.10
2CC-112-100-KW	1 1/8	1	2 1/8	3 1/4	1/4-28 x 3/4	1/4	1/4	35.90
2CC-112-112-KW	1 1/8	1 1/8	2 1/8	3 1/4	1/4-28 x 3/4	1/4	1/4	34.20
2CC-125-100-KW	1 1/4	1	2 1/4	3 3/8	1/4-28 x 3/4	1/4	1/4	42.40
2CC-125-125-KW	1 1/4	1 1/4	2 1/4	3 3/8	1/4-28 x 3/4	1/4	1/4	42.40
2CC-137-100-KW	1 3/8	1	2 3/8	3 5/8	1/4-28 x 3/4	5/16	1/4	45.20
2CC-137-137-KW	1 3/8	1 3/8	2 3/8	3 5/8	1/4-28 x 3/4	5/16	5/16	45.20
2CC-143-143-KW	1 7/16	1 7/16	2 1/2	3 3/4	1/4-28 x 3/4	3/8	3/8	49.50
2CC-150-100-KW	1 1/2	1	2 1/2	3 3/4	1/4-28 x 3/4	3/8	1/4	57.40
2CC-150-150-KW	1 1/2	1 1/2	2 1/2	3 3/4	1/4-28 x 3/4	3/8	3/8	49.50
2CC-175-175-KW	1 3/4	1 3/4	3	4 1/2	5/16-24 x 1	3/8	3/8	90.00
2CC-193-193-KW	1 15/16	1 15/16	3 1/4	4 7/8	5/16-24 x 1	1/2	1/2	105.00
2CC-200-200-KW	2	2	3 1/4	4 7/8	5/16-24 x 1	1/2	1/2	110.00
2CC-225-225-KW	2 1/4	2 1/4	3 1/2	5	5/16-24 x 1	1/2	1/2	130.00



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

LARGE BORE TWO-PIECE CLAMPING COUPLINGS **H2CC-SERIES** RECESSED SCREW WITH KEYWAY



- Provides a higher torque capacity over cast iron couplings
- Lighter weight than traditional cast iron couplings
- Smaller OD ideal for constrained spaces
- Easily installed where major disassembly would otherwise be required

PART NUMBER	PRODUCT SPECIFICATIONS								
BLACK OXIDE STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	SCREW QTY	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (LB)
H2CC-193-193-KW	1 15/16	1 15/16	3 5/8	6	3/8-24 x 1-1/4	8	1/2	1/2	11.60
H2CC-243-243-KW	2 7/16	2 7/16	4 3/8	7 1/2	1/2-20 x 1-1/2	8	5/8	5/8	20.50
H2CC-293-293-KW	2 15/16	2 15/16	5 1/8	9	1/2-20 x 1-1/2	10	3/4	3/4	32.80
H2CC-343-343-KW	3 7/16	3 7/16	6 1/8	10 1/2	5/8-18 x 2	8	7/8	7/8	56.20
H2CC-393-393-KW	3 15/16	3 15/16	6 7/8	12	5/8-18 x 2	10	1	1	79.40
H2CC-443-443-KW	4 7/16	4 7/16	7 3/8	13 1/2	5/8-18 x 2	12	1	1	97.80



For 3D
Models &
2D Sales
Drawings

DIMENSION
BORE, INCH

TOLERANCE
+0.003 / -0.000

SUPERIOR SOLUTION FOR SHAFT CONNECTIONS IN LARGE BORE APPLICATIONS

Traditional large cast iron couplings, used to connect shafts in large bore applications found in lumber, steel, rail, recycling, and paper industries, are manufactured from iron and are extremely heavy.



H2CC-Series
Large Bore Clamp Couplings



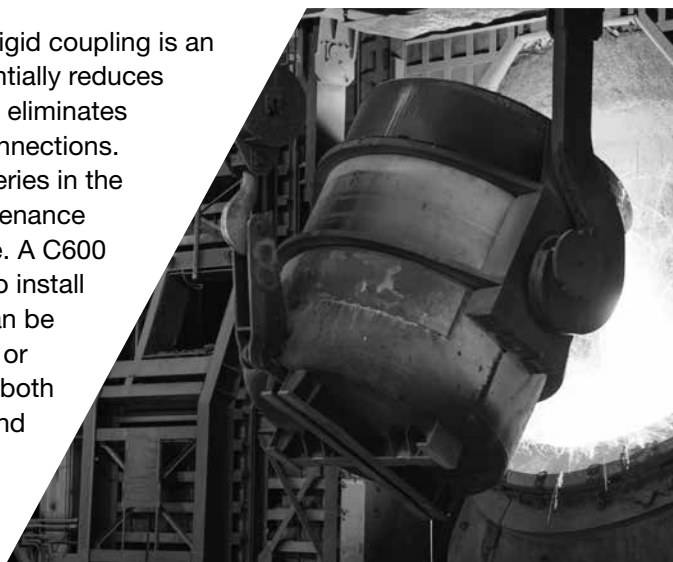
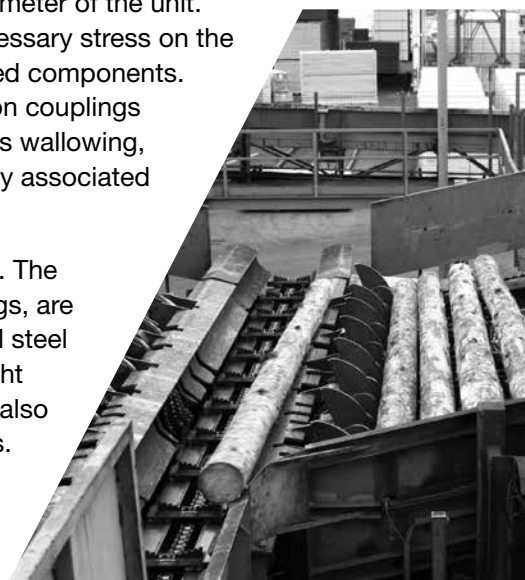
C600-Series
Keyless Rigid Couplings



Traditional large cast iron couplings have a bulky design that requires extra room in order to accommodate the oversized outside diameter of the unit. The sheer size of these antiquated couplings puts unnecessary stress on the shaft and poses risk to damaging the shaft and associated components. To attain necessary torque for these applications, cast iron couplings encompass the use of a keyway leading to issues such as wallowing, backlash, fretting corrosion, and fatigue failure, commonly associated with keyways.

Climax provides two solutions for large bore applications. The first solution, H2CC-Series Two-Piece Clamping Couplings, are available with an internal diameter up to 4 15/16". This all steel rigid two-piece clamping design not only is a lighter weight product with a tighter envelope for clearance issues, but also provides a higher torque capacity over die cast couplings. The clamping design of this steel coupling transmits torque by using keyways. H2CCs are about half the weight of their die cast counterparts and can be installed without major disassembly.

A Climax C600 series keyless rigid coupling is an innovative product that substantially reduces the weight of the coupling, and eliminates risks associated with keyed connections. Incorporating a Climax C600 series in the application design saves maintenance costs and decreases downtime. A C600 keyless rigid coupling is easy to install using simple hand tools and can be mounted on a round shaft with or without a keyway. Lighter than both traditional die cast couplings and H2CC-Series Rigid Couplings, a C600 has a torque capacity 2-3X higher and is self-releasing.



SET SCREW COUPLINGS **RC-SERIES**



- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

PART NUMBER			PRODUCT SPECIFICATIONS						
BLACK OXIDE STEEL	STAINLESS STEEL	ALUMINUM	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)	
RC-025	RC-025-S	RC-025-A	1/4	1/4	1/2	3/4	10-32 x 1/8	0.45	
RC-031	RC-031-S	RC-031-A	5/16	5/16	5/8	1	10-32 x 1/8	1.00	
RC-037	RC-037-S	RC-037-A	3/8	3/8	3/4	1	1/4-20 x 3/16	1.40	
RC-050	RC-050-S	RC-050-A	1/2	1/2	1	1 1/2	1/4-20 x 1/4	3.80	
RC-062	RC-062-S	RC-062-A	5/8	5/8	1 1/4	2	5/16-18 x 5/16	8.00	
RC-075	RC-075-S	RC-075-A	3/4	3/4	1 1/2	2	5/16-18 x 3/8	11.60	
RC-087	RC-087-S	RC-087-A	7/8	7/8	1 3/4	2	5/16-18 x 5/16	16.00	
RC-100	RC-100-S	RC-100-A	1	1	2	3	5/16-18 x 1/2	32.00	
RC-112	RC-112-S	RC-112-A	1 1/8	1 1/8	2 1/8	3	3/8-16 x 1/2	40.15	
RC-125	RC-125-S	RC-125-A	1 1/4	1 1/4	2 1/4	4	3/8-16 x 1/2	48.30	
RC-137	RC-137-S		1 3/8	1 3/8	2 1/2	4 1/2	3/8-16 x 1/2	55.15	
RC-150	RC-150-S		1 1/2	1 1/2	2 1/2	4 1/2	3/8-16 x 1/2	62.00	
RC-175	RC-175-S		1 3/4	1 3/4	2 3/4	4 1/2	3/8-16 x 1/2	70.60	
RC-200	RC-200-S		2	2	3 5/16	4 1/2	1/2-13 x 1/2	109.00	



For 3D
Models &
2D Sales
Drawings

DIMENSION BORE, INCH	
BORE SIZE	BORE TOLERANCE
1/4" TO 1/2"	+0.0005 / +0.0025
5/8" TO 2"	+0.0005 / +0.0030

SET SCREW COUPLINGS WITH KEYWAY **RC-SERIES**



- For use on keyed shafts
- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
RC-037-KW	RC-037-S-KW	3/8	3/8	3/4	1	1/4-20 x 3/16	3/32	3/32	1.40
RC-050-KW	RC-050-S-KW	1/2	1/2	1	1 1/2	1/4-20 x 3/16	1/8	1/8	3.80
RC-062-KW	RC-062-S-KW	5/8	5/8	1 1/4	2	5/16-18 x 1/4	3/16	3/16	8.00
RC-075-KW	RC-075-S-KW	3/4	3/4	1 1/2	2	5/16-18 x 1/4	3/16	3/16	11.60
RC-087-KW	RC-087-S-KW	7/8	7/8	1 3/4	2	5/16-18 x 5/16	3/16	3/16	16.00
RC-100-KW	RC-100-S-KW	1	1	2	3	5/16-18 x 3/8	1/4	1/4	32.00
RC-112-KW	RC-112-S-KW	1 1/8	1 1/8	2 1/8	3	3/8-16 x 3/8	1/4	1/4	40.15
RC-125-KW	RC-125-S-KW	1 1/4	1 1/4	2 1/4	4	3/8-16 x 3/8	1/4	1/4	48.30
RC-137-KW	RC-137-S-KW	1 3/8	1 3/8	2 1/2	4 1/2	3/8-16 x 3/8	5/16	5/16	55.15
RC-150-KW	RC-150-S-KW	1 1/2	1 1/2	2 1/2	4 1/2	3/8-16 x 3/8	3/8	3/8	62.00
RC-175-KW	RC-175-S-KW	1 3/4	1 3/4	2 3/4	4 1/2	3/8-16 x 3/8	3/8	3/8	70.60
RC-200-KW	RC-200-S-KW	2	2	3 5/16	4 1/2	1/2-13 x 1/2	1/2	1/2	109.00



For 3D
Models &
2D Sales
Drawings

DIMENSION BORE, INCH	
BORE SIZE	BORE TOLERANCE
3/8" TO 1/2"	+0.0005 / +0.0025
5/8" TO 2"	+0.0005 / +0.0030

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
RC-025-4H@90	RC-025-S-4H@90	1/4	1/4	1/2	3/4	10-32 x 1/8	0.45
RC-031-4H@90	RC-031-S-4H@90	5/16	5/16	5/8	1	10-32 x 1/8	1.00
RC-037-4H@90	RC-037-S-4H@90	3/8	3/8	3/4	1	1/4-20 x 3/16	1.40
RC-050-4H@90	RC-050-S-4H@90	1/2	1/2	1	1 1/2	1/4-20 x 1/4	3.80
RC-062-4H@90	RC-062-S-4H@90	5/8	5/8	1 1/4	2	5/16-18 x 5/16	8.00
RC-075-4H@90	RC-075-S-4H@90	3/4	3/4	1 1/2	2	5/16-18 x 3/8	11.60
RC-087-4H@90	RC-087-S-4H@90	7/8	7/8	1 3/4	2	5/16-18 x 5/16	16.00
RC-100-4H@90	RC-100-S-4H@90	1	1	2	3	5/16-18 x 1/2	32.00
RC-112-4H@90	RC-112-S-4H@90	1 1/8	1 1/8	2 1/8	3	3/8-16 x 1/2	40.15
RC-125-4H@90	RC-125-S-4H@90	1 1/4	1 1/4	2 1/4	4	3/8-16 x 1/2	48.30
RC-137-4H@90	RC-137-S-4H@90	1 3/8	1 3/8	2 1/2	4 1/2	3/8-16 x 1/2	55.15
RC-150-4H@90	RC-150-S-4H@90	1 1/2	1 1/2	2 1/2	4 1/2	3/8-16 x 1/2	62.00
RC-175-4H@90	RC-175-S-4H@90	1 3/4	1 3/4	2 3/4	4 1/2	3/8-16 x 1/2	70.60
RC-200-4H@90	RC-200-S-4H@90	2	2	3 5/16	4 1/2	1/2-13 x 1/2	109.00



- Load capacity nearly doubled by adding a second set of set screws
- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

DIMENSION	
BORE, INCH	
BORE SIZE	BORE TOLERANCE
1/4" TO 1/2"	+0.0005 / +0.0025
5/8" TO 2"	+0.0005 / +0.0030

For 3D Models & 2D Sales Drawings



SET SCREW COUPLINGS WITH KEYWAY **RC4H-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
RC-037-KW4H@90	RC-037-SKW4H@90	3/8	3/8	3/4	1	1/4-20 x 3/16	3/32	3/32	1.40
RC-050-KW4H@90	RC-050-SKW4H@90	1/2	1/2	1	1 1/2	1/4-20 x 3/16	1/8	1/8	3.80
RC-062-KW4H@90	RC-062-SKW4H@90	5/8	5/8	1 1/4	2	5/16-18 x 1/4	3/16	3/16	8.00
RC-075-KW4H@90	RC-075-SKW4H@90	3/4	3/4	1 1/2	2	5/16-18 x 3/8	3/16	3/16	11.60
RC-087-KW4H@90	RC-087-SKW4H@90	7/8	7/8	1 3/4	2	5/16-18 x 5/16	3/16	3/16	16.00
RC-100-KW4H@90	RC-100-SKW4H@90	1	1	2	3	5/16-18 x 3/8	1/4	1/4	32.00
RC-112-KW4H@90	RC-112-SKW4H@90	1 1/8	1 1/8	2 1/8	3	3/8-16 x 3/8	1/4	1/4	40.15
RC-125-KW4H@90	RC-125-SKW4H@90	1 1/4	1 1/4	2 1/4	4	3/8-16 x 3/8	1/4	1/4	48.30
RC-137-KW4H@90	RC-137-SKW4H@90	1 3/8	1 3/8	2 1/2	4 1/2	3/8-16 x 3/8	5/16	5/16	55.15
RC-150-KW4H@90	RC-150-SKW4H@90	1 1/2	1 1/2	2 1/2	4 1/2	3/8-16 x 3/8	3/8	3/8	62.00
RC-175-KW4H@90	RC-175-SKW4H@90	1 3/4	1 3/4	2 3/4	4 1/2	3/8-16 x 3/8	3/8	3/8	70.60
RC-200-KW4H@90	RC-200-SKW4H@90	2	2	3 5/16	4 1/2	1/2-13 x 1/2	1/2	1/2	109.00



- For use on keyed shafts
- Load capacity nearly doubled by adding a second set of set screws
- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

DIMENSION	
BORE, INCH	
BORE SIZE	BORE TOLERANCE
1/4" TO 1/2"	+0.0005 / +0.0025
5/8" TO 2"	+0.0005 / +0.0030

For 3D Models & 2D Sales Drawings



METRIC SET SCREW COUPLINGS **MRC-SERIES**



- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
MRC-10	MRC-10-S	10	10	19	25	M 5 x 5	1.40
MRC-12	MRC-12-S	12	12	22	38	M 6 x 6	3.50
MRC-15	MRC-15-S	15	15	31	50	M 6 x 6	8.00
MRC-20	MRC-20-S	20	20	38	50	M 6 x 6	11.60
MRC-25	MRC-25-S	25	25	50	76	M 8 x 8	32.00
MRC-30	MRC-30-S	30	30	57	101	M 8 x 8	47.00
MRC-35	MRC-35-S	35	35	63	114	M 8 x 10	55.00
MRC-40	MRC-40-S	40	40	63	114	M 10 x 10	62.00



For 3D Models & 2D Sales Drawings

DIMENSION BORE, MM	
BORE SIZE	BORE TOLERANCE
10 TO 12MM	+0.01 / +0.06MM
15 TO 40MM	+0.01 / +0.08MM

METRIC SET SCREW COUPLINGS WITH KEYWAY **MRC-SERIES**



- For use on keyed shafts
- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
MRC-10-KW	MRC-10-S-KW	10	10	19	25	M 5 x 5	3	3	1.40
MRC-12-KW	MRC-12-S-KW	12	12	22	38	M 6 x 6	4	4	3.50
MRC-15-KW	MRC-15-S-KW	15	15	31	50	M 6 x 6	5	5	8.00
MRC-20-KW	MRC-20-S-KW	20	20	38	50	M 6 x 6	6	6	11.60
MRC-25-KW	MRC-25-S-KW	25	25	50	76	M 8 x 8	8	8	32.00
MRC-30-KW	MRC-30-S-KW	30	30	57	101	M 8 x 8	8	8	47.00
MRC-35-KW	MRC-35-S-KW	35	35	63	114	M 8 x 10	10	10	55.00
MRC-40-KW	MRC-40-S-KW	40	40	63	114	M 10 x 10	12	12	62.00



For 3D Models & 2D Sales Drawings

DIMENSION BORE, MM	
BORE SIZE	BORE TOLERANCE
10 TO 12MM	+0.01 / +0.06MM
15 TO 40MM	+0.01 / +0.08MM

METRIC SET SCREW COUPLINGS **MRC4H-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS					
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	APPROX WEIGHT (OZ)
MRC-10-4H@90	MRC-10-S-4H@90	10	10	19	25	M 5 x 5	1.40
MRC-12-4H@90	MRC-12-S-4H@90	12	12	22	38	M 6 x 6	3.50
MRC-15-4H@90	MRC-15-S-4H@90	15	15	31	50	M 6 x 6	8.00
MRC-20-4H@90	MRC-20-S-4H@90	20	20	38	50	M 6 x 6	11.60
MRC-25-4H@90	MRC-25-S-4H@90	25	25	50	76	M 8 x 8	32.00
MRC-30-4H@90	MRC-30-S-4H@90	30	30	57	101	M 8 x 8	47.00
MRC-35-4H@90	MRC-35-S-4H@90	35	35	63	114	M 8 x 10	55.00
MRC-40-4H@90	MRC-40-S-4H@90	40	40	63	114	M 10 x 10	62.00



- Load capacity nearly doubled by adding a second set of set screws
- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

DIMENSION BORE, MM	
BORE SIZE	BORE TOLERANCE
10 TO 12MM	+0.01 / +0.06MM
15 TO 40MM	+0.01 / +0.08MM

For 3D
Models &
2D Sales
Drawings



METRIC SET SCREW COUPLINGS WITH KEYWAY **MRC4H-SERIES**

PART NUMBER		PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	STAINLESS STEEL	BORE	2ND BORE	OD	LENGTH	SCREW SIZE	KEYWAY SIZE	2ND KEYWAY SIZE	APPROX WEIGHT (OZ)
MRC-10-KW4H@90	MRC-10-SKW4H@90	10	10	19	25	M 5 x 5	3	3	1.40
MRC-12-KW4H@90	MRC-12-SKW4H@90	12	12	22	38	M 6 x 6	4	4	3.50
MRC-15-KW4H@90	MRC-15-SKW4H@90	15	15	31	50	M 6 x 6	5	5	8.00
MRC-20-KW4H@90	MRC-20-SKW4H@90	20	20	38	50	M 6 x 6	6	6	11.60
MRC-25-KW4H@90	MRC-25-SKW4H@90	25	25	50	76	M 8 x 8	8	8	32.00
MRC-30-KW4H@90	MRC-30-SKW4H@90	30	30	57	101	M 8 x 8	8	8	47.00
MRC-35-KW4H@90	MRC-35-SKW4H@90	35	35	63	114	M 8 x 10	10	10	55.00
MRC-40-KW4H@90	MRC-40-SKW4H@90	40	40	63	114	M 10 x 10	12	12	62.00



- For use on keyed shafts
- Traditional cost effective rigid coupling design
- Provides torque transmission and alignment
- Effective on both hard and soft shafts

DIMENSION BORE, MM	
BORE SIZE	BORE TOLERANCE
10 TO 12MM	+0.01 / +0.06MM
15 TO 40MM	+0.01 / +0.08MM

For 3D
Models &
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STEP DOWN CLAMP-ON ADAPTERS **SDA-SERIES**



- Adapters repair, alter, decrease, or extend current shaft
- Shaft end fully machinable
- Compatible with all standard round shafts
- Design fully engages the shaft without marring
- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity

PART NUMBER	PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	BORE	SHAFT SIZE	OVERALL OD	OVERALL LENGTH	SHAFT LENGTH	BORE DEPTH	SCREW SIZE	APPROX WEIGHT (OZ)
SDA-075	3/4	1/2	1 3/4	3 1/2	1 1/4	1 5/8	1/4-28 x 5/8	20.80
SDA-087	7/8	5/8	1 7/8	3 5/8	1 1/4	1 7/8	1/4-28 x 5/8	24.48
SDA-100	1	3/4	2	3 5/8	1 1/4	2	1/4-28 x 5/8	27.20
SDA-112	1 1/8	7/8	2 1/8	3 7/8	1 1/2	2	1/4-28 x 3/4	31.20
SDA-125	1 1/4	1	2 1/4	4 1/2	2	2	1/4-28 x 3/4	38.72
SDA-137	1 3/8	1 1/8	2 3/8	5	2	2 1/4	1/4-28 x 3/4	51.68
SDA-150	1 1/2	1 1/4	2 1/2	5 3/8	2 3/8	2 1/4	1/4-28 x 3/4	59.20



For 3D
Models &
2D Sales
Drawings

DIMENSION BORE/SHAFT, IN	
BORE SIZE	BORE TOLERANCE
+0.003 / -0.000	+0.000 / -0.002

STEP UP CLAMP-ON ADAPTERS **SUA-SERIES**



- Adapters repair, alter, decrease, or extend current shaft
- Shaft end fully machinable
- Compatible with all standard round shafts
- Design fully engages the shaft without marring
- Easily installed where major disassembly would otherwise be required
- High axial load and torque capacity

PART NUMBER	PRODUCT SPECIFICATIONS							
BLACK OXIDE STEEL	BORE	SHAFT SIZE	OVERALL OD	OVERALL LENGTH	SHAFT LENGTH	BORE DEPTH	SCREW SIZE	APPROX WEIGHT (OZ)
SUA-050	1/2	3/4	1 1/4	2 3/4	1 1/4	1 1/4	8-32 x 1/2	9.00
SUA-062	5/8	7/8	1 1/2	3 1/4	1 1/2	1 3/8	10-32 x 1/2	15.04
SUA-075	3/4	1	1 3/4	4 1/4	2	1 5/8	1/4-28 x 5/8	26.88
SUA-087	7/8	1 1/8	1 7/8	4 3/8	2	1 7/8	1/4-28 x 5/8	31.84
SUA-100	1	1 1/4	2	4 3/4	2 3/8	2	1/4-28 x 5/8	37.92
SUA-112	1 1/8	1 3/8	2 1/8	4 3/4	2 3/8	2	1/4-28 x 3/4	43.04
SUA-125	1 1/4	1 1/2	2 1/4	5	2 1/2	2	1/4-28 x 3/4	51.68



For 3D
Models &
2D Sales
Drawings

DIMENSION BORE/SHAFT, IN	
BORE SIZE	BORE TOLERANCE
+0.003 / -0.000	+0.000 / -0.002

WHAT IS THE RECOMMENDED ENGAGEMENT LENGTH BETWEEN THE SHAFT AND RIGID COUPLING?

The recommended engagement length for each shaft should be approximately equal to half the overall length of the coupling. Ensure the shaft ends are not contacting each other to minimize possibility of fretting. When using set screw couplings, shafts should be positioned such that the set screws contact only the round surface of the shaft, not chamfered or radiused shaft ends. For clamping couplings, the shafts are typically positioned so that the shaft ends protrude past the crosscut in the coupling.

WHY DO CLAMPING COLLARS HAVE FACE GROOVES?

The face groove on clamping collars indicates the face that should be placed against a bearing or other component requiring a perpendicular to bore orientation. For two-piece clamping collars, the face groove also helps keep the two halves of the collar properly oriented during installation.



WHY IS FACE TO BORE PERPENDICULARITY IMPORTANT?

It assures that the work surface of the shaft collar is square with the bore. This is critical in applications where the shaft collar is used as a load bearing surface such as controlling the stroke of a cylinder or for aligning components such as bearings or sprockets.

CAN A CLIMAX SHAFT COLLAR BE WELDED?

Shaft collars can be welded with some exceptions. Mild steel and stainless steel materials contain sulfur and other additives which allow for welding. However, the lowest possible current and adequate ventilation should be employed. Be sure to remove screws before welding. However, in no cases should collars with zinc plating be welded. The welding process on a zinc plated product will produce noxious fumes. Welding can be done safely on a black oxide finished product. Extreme caution is recommended when welding imported collars because of the inconsistency of the material and finishes.

WHY IS A CROSS-CUT ON A COUPLING IMPORTANT?

A cross-cut is a lateral cut made halfway through the coupling. It is added to our one-piece and two-piece clamping couplings only. Similar to a relief cut, the cross-cut allows more tolerance for different size shafts. The cross-cut will help the rigid coupling clamp more securely and transmit power more efficiently even with these slight variations.



WHAT IS AXIAL LOAD CAPABILITY FOR SHAFT COLLARS?

The primary purpose of a shaft collar is to resist an axial load. That is to hold itself in place despite pressure along the axis of a shaft. The axial holding power is primarily a function of screw size and applied torque. However, other factors such as presence of oil, temperature, and the finish and hardness of the shaft can impact the holding power. For more information regarding axial holding power see page 32.

AXIAL LOAD CAPABILITY

Collar resistance to axial motion on the shaft is primarily a function of screw size. The tables indicate maximum static load that a collar will support without slippage. It is based on screws at full recommended seating torque and, for set screw collars, shaft hardness not exceeding Rockwell C35.

Load capability is reduced with stainless steel screws because of lower seating torque. Load capability may be nearly doubled with set screw collars by adding a second set screw. Threaded collars and shafts have much greater axial load capability.

The Axial Load data presented is based on the median bore size for a particular screw size.



	CLAMPING SCREW SEATING TORQUE & AXIAL LOAD DATA				SET SCREW SEATING TORQUE & AXIAL LOAD DATA			
	SEATING TORQUE ALLOY STEEL SCREW (IN-LB)	MAXIMUM AXIAL LOAD ALLOY STEEL SCREW (LB)	SEATING TORQUE STAINLESS STEEL SCREW (IN-LB)	MAXIMUM AXIAL LOAD STAINLESS STEEL SCREW (LB)	SEATING TORQUE ALLOY STEEL SCREW (IN-LB)	MAXIMUM AXIAL LOAD ALLOY STEEL SCREW (LB)	SEATING TORQUE STAINLESS STEEL SCREW (IN-LB)	MAXIMUM AXIAL LOAD STAINLESS STEEL SCREW (LB)
IMPERIAL SCREW SIZE								
4-40	15	200	8	150	150	-	-	-
6-32	25	500	15	200	200	250	7	135
8-32	50	950	30	600	600	375	15	200
10-32	75	1750	45	800	800	550	25	300
1/4-20	-	-	-	-	-	950	70	550
1/4-28	175	2600	115	1400	1400	-	-	-
5/16-18	-	-	-	-	-	1500	135	900
5/16-24	340	6200	200	2800	2800	1500	135	1000
3/8-16	-	-	-	-	-	2200	235	1200
3/8-24	600	7200	350	3800	3800	-	-	-
1/2-13	-	-	-	-	-	3000	500	1200
1/2-20	1500	18000	875	9500	9500	-	-	-
METRIC SCREW SIZE								
M2	-	-	-	-	1.75	-	0.875	-
M3	18	253	9	177	8	-	3.5	-
M4	41	450	22	225	18	-	12	-
M5	85	900	45	320	41	-	24	-
M6	145	1957	76	570	68	-	44	-
M8	345	4014	183	2561	157	-	105	-
M10	690	6384	366	4171	310	-	210	-

Note:

- A “-” indicates data is not available.
- For further information and/or technical assistance, please contact Climax Metal Products Company.

Disclaimer:

- The values in the above tables are “typical” values based on limited testing and analysis.
- They are not a guarantee of average, maximum, or minimum values under all conditions.
- The values are provided solely as a reference for the user to procure appropriate testing equipment and assess suitability of parts for their application.
- Climax Metal Products Company does not intend these values to serve as a warranty.

APPROXIMATE TORQUE TRANSMISSION CAPACITY OF NON-KEYED COUPLINGS



A sample calculation for approximating the amount of torque a non-keyed clamping / set screw coupling will transmit

Example: Need to determine approximate torque transmission capacity (**T**) of 2ISCC-100-100

Step 1: Find size of screws being used on 2ISCC-100-100 from the catalog. It is 1/4-28 clamping screw

Step 2: Find material of the screw. It is alloy steel

Step 3: Locate the seating torque and maximum axial load (**F**) for a 1/4-28 alloy steel clamping screw from the table. Seating torque is 175 in-lb and maximum axial load is 2,600 lb

Step 4: Calculate the radius (**R**) of the coupling bore. Radius is half the inside diameter. 2ISCC-100-100 bore radius is (1.000" / 2) = 0.500"

Step 5: Approximate torque transmission capacity of 2ISCC-100-100 can now be calculated as

$$T = (F \times 2) \times R$$

$$T = 2,600 \text{ lb} \times 2 \times 0.500"$$

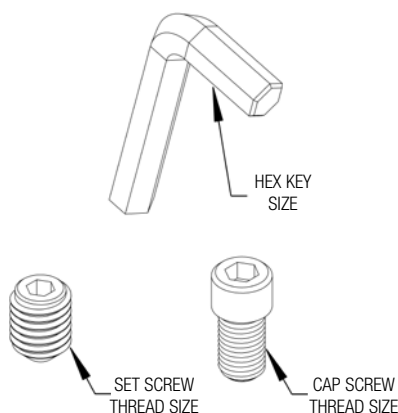
$$T = 2,600 \text{ in-lb}$$

Disclaimer:

- The torque transmission capacity calculation shown above yields approximate values. These values are not intended to be a guarantee of coupling performance under all conditions.
- The above calculation is provided solely as a reference for the user to procure appropriate testing equipment and assess suitability of parts for their application.
- Climax Metal Products Company does not intend the values calculated using this method to serve as a warranty.

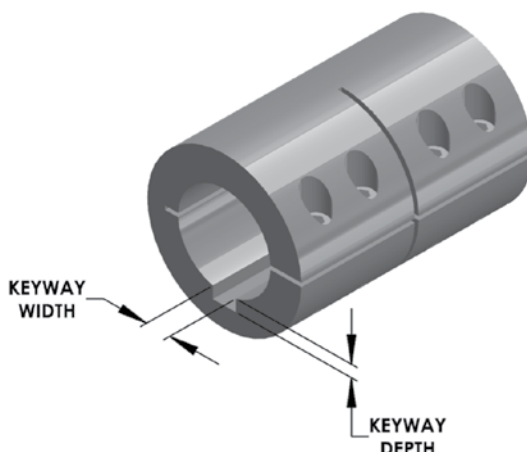
FASTENER KEY SIZES

INCH			
SET SCREW THREAD SIZE	HEX KEY SIZE	CAP SCREW THREAD SIZE	HEX KEY SIZE
2-56	0.035	4-40	3/32
4-40	0.050	6-32	7/64
6-32	1/16	8-32	9/64
8-32	5/64	10-32	5/32
10-32	3/32	1/4-28	3/16
1/4-20	1/8	5/16-24	1/4
5/16-18	5/32	3/8-24	5/16
3/8-16	3/16	1/2-13	3/8
1/2-13	1/4		



METRIC			
SET SCREW THREAD SIZE	HEX KEY SIZE	CAP SCREW THREAD SIZE	HEX KEY SIZE
M 2	0.9	M 3	2.5
M 3	1.5	M 4	3.0
M 4	2.0	M 5	4.0
M 5	2.5	M 6	5.0
M 6	3.0	M 8	6.0
M 8	4.0	M 10	8.0
M 10	5.0		

KEYWAY SIZES FOR INCH AND METRIC BORES



INCH	
BORE	KEYWAY SIZE WIDTH X DEPTH
3/8 to 7/16	3/32 X 3/64
1/2 to 9/16	1/8 X 1/16
5/8 to 7/8	3/16 X 3/32
1 to 1-1/4	1/4 X 1/8
1-5/16 to 1-3/8	5/16 X 5/32
1-7/16 to 1-3/4	3/8 X 3/16
1-7/8 to 2-1/4	1/2 X 1/4
2-7/16 to 2-3/4	5/8 X 5/16
2-15/16 to 3-1/4	3/4 X 3/8
3-7/16 to 3-3/4	7/8 X 7/16
3-15/16 to 4-1/2	1 X 1/2

METRIC	
BORE	KEYWAY SIZE WIDTH X DEPTH
7 to 8	2 X 1
9 to 10	3 X 1.4
11 to 12	4 X 1.8
13 to 17	5 X 2.3
18 to 22	6 X 2.8
23 to 30	8 X 3.3
31 to 38	10 X 3.3
39 to 44	12 X 3.3
45 to 50	14 X 3.8

SPECIFICATIONS FOR CATALOG SERIES COLLARS & COUPLINGS

MATERIAL

Steel High Strength, Low Carbon Steel
 Stainless Steel Type 303 Austenitic or Type 316 Austenitic
 Aluminum Type 6061 – T651 or equivalent
 Acetal Delrin®

SCREWS

Steel, Set Hex Socket, Cup Point, 3A Thread, ASTM F912
 Steel, Cap Hex Socket, 3A Thread, ASTM A574
 Stainless Steel, Set Hex Socket, Cup Point, 3A Thread, ASTM F880
 Stainless Steel, Cap Hex Socket, 3A Thread, ASTM F837

- Steel screws are supplied with steel and aluminum collars and couplings.
- Stainless steel screws are supplied with stainless steel collars and couplings and all non-metallic collars.

FINISH

Steel Black Oxide, Zinc Plated or Yellow Zinc
 Stainless Steel Plain
 Aluminum Plain

TYPICAL TOLERANCES

Bore Diameter As specified on individual catalog pages
 Width, Collars ± 0.005 inch
 Length, Couplings ± 0.015 inch

OPERATING TEMPERATURE RANGE FOR SHAFT COLLARS & RIGID COUPLINGS

Climax shaft collars and couplings can be used in applications over a wide range of operating temperatures. The table below lists these ambient operating temperature ranges for our shaft collars and rigid couplings based on material.

MATERIAL	AMBIENT OPERATING MIN (°F)	AMBIENT OPERATING MAX (°F)
Steel - High Strength, Low Carbon Steel	-40	350
Stainless Steel - Type 303 / Type 316	-40	350
Aluminum - Type 6061 - T651 or equivalent	-40	225
Acetal - Delrin®	-10	185

Note that the numbers listed in the table are ambient temperatures and are not applicable when the part is directly exposed to a heat source. These values are 'typical' operating temperature ranges and are not a guarantee under all conditions. They are meant to be a guide and must be evaluated by the customer based on individual application. For applications where the shaft collar and/or rigid couplings would be subjected to temperatures outside the ambient operating temperature range presented above, please contact a Climax applications engineer.

PROPER TECHNIQUE FOR REBORING RE-MACHINABLE COUPLINGS

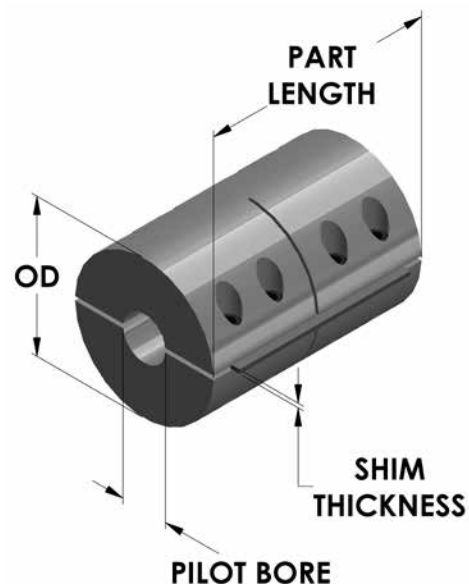
Climax R2CC-Series Re-Machinable Two-Piece Clamping Couplings are supplied with a pilot bore. These unique couplings allow the user room to re-bore the ID without damaging the clamp screws. The ID can be safely opened to the maximum bore size listed in the table below.

When re boring the R2CC-Series couplings:

1. Start by inserting a shim in the saw cuts on both sides of the coupling as illustrated.
Shim thickness is provided in the chart below.

PILOT BORE (IN)	MAX BORE (IN)	OD (IN)	PART LENGTH (IN)	SHIM THICKNESS (IN)
1/4	3/4	1-3/4	2-5/8	0.093
1/2	1	2	3	0.093
3/4	1-1/2	2-1/2	3-3/4	0.093
1	2	3-1/4	4-7/8	0.093

2. Tighten the clamp screws so that the coupling clamps down on the shims.
3. The coupling bore is then machined with the installation screws tightened and the shims on both sides holding the two halves of the coupling apart.



WARRANTY

Climax Metal Products Company warrants that all parts listed in this catalog meet the size and materials specifications within. Any non-conforming product will be replaced, or the purchase price refunded at the Company's option. The user is responsible for determining the suitability of a part for a particular application and performance. No employee of Climax Metal Products Company or its agents has the authority to represent these products for a particular application or use. Climax's liability is limited to the price of the part and neither Climax nor the seller's liability shall exceed the price of the part.

DISCLAIMER

Please note dimensional differences may exist from manufacturer to manufacturer. While size may vary slightly, in no way does this effect form, fit or function. For exact product specifications, please contact the factory 800-542-6552.

ISO CERTIFICATION

Climax is dedicated to maintaining the highest manufacturing practices possible. We are an ISO certified company. Our current ISO Certificate can be found online.

Terms of Service, Warranties, Disclaimer, and Copyright/Trademark Notice can be found online.

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