



POWER TRANSMISSION PARTS

Spare parts in-stock when you need them

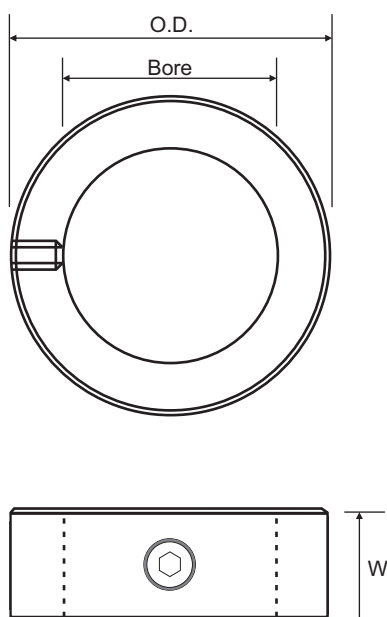
Shaft Collars



www.ptparts.com.au

One Piece Solid (Set Screw Type) Metric

Set screw collars are most effective when used on a shaft made of a material that is softer than the set screw. Ruland set screw collars are furnished exclusively with forged socket set screws for greater torque capacity and improved holding power. Forging of the stainless steel set screws has the additional benefit of work hardening, which results in stainless steel with elevated hardness and performance.



Part No.	Bore (mm)	O.D. (mm)	W (mm)	F	SS
MSC-4	4.0	8.0	5.0	✓	✓
MSC-5	5.0	10.0	6.0	✓	✓
MSC-6	6.0	12.0	8.0	✓	✓
MSC-8	8.0	16.0	8.0	✓	✓
MSC-10	10.0	20.0	10.0	✓	✓
MSC-12	12.0	22.0	12.0	✓	✓
MSC-14	14.0	25.0	12.0	✓	✓
MSC-15	15.0	25.0	12.0	✓	✓
MSC-16	16.0	28.0	12.0	✓	✓
MSC-18	18.0	32.0	14.0	^	^
MSC-20	20.0	32.0	14.0	✓	✓
MSC-22	22.0	36.0	14.0	✓	✓
MSC-25	25.0	40.0	16.0	✓	✓
MSC-28	28.0	45.0	16.0	✓	✓
MSC-30	30.0	45.0	16.0	✓	✓
MSC-32	32.0	50.0	16.0	✓	✓
MSC-35	35.0	56.0	16.0	✓	✓
MSC-38	38.0	56.0	16.0	✓	✓
MSC-40	40.0	63.0	18.0	✓	✓
MSC-45	45.0	70.0	18.0	✓	✓
MSC-50	50.0	80.0	18.0	✓	✓

✓ Stocked Size

^ Available on request

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

- Forged socket set screws.
- Additional sizes available.

- Bore tolerances:

Bore	Tolerances
All	+ .01mm
	+ .05mm

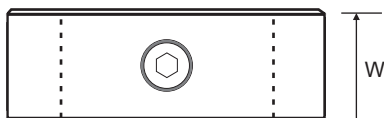
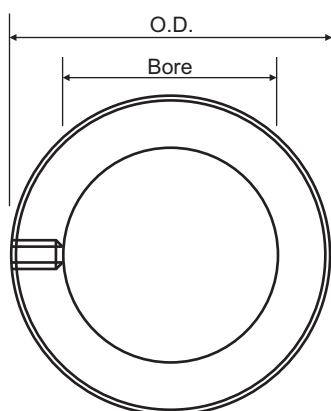
-Width tolerance

All	+ .08mm
	- .25mm

One Piece Solid (Set Screw Type) Inch



Set screw collars are most effective when used on a shaft made of a material that is softer than the set screw. Ruland set screw collars are furnished exclusively with forged socket set screws for greater torque capacity and improved holding power. Forging of the stainless steel set screws has the additional benefit of work hardening, which results in stainless steel with elevated hardness and performance.



Part No.	Bore (in)	O.D. (in)	W (in)	F	A	SS	P
SC-3	0.1875	0.438	0.250	✓	✓	✓	✓
SC-4	0.2500	0.500	0.281	✓	✓	✓	✓
SC-5	0.3125	0.625	0.344	✓	✓	✓	✓
SC-6	0.3750	0.750	0.375	✓	✓	✓	✓
SC-7	0.4375	0.875	0.438	✓	✓	✓	✓
SC-8	0.5000	1.000	0.438	✓	✓	✓	✓
SC-10	0.6250	1.125	0.500	✓	✓	✓	✓
SC-12	0.7500	1.250	0.563	✓	✓	✓	✓
SC-14	0.8750	1.500	0.563	✓		✓	✓*
SC-16	1.0000	1.625	0.625	✓		✓	✓*
SC-18	1.1250	1.750	0.625	✓		✓	✓*
SC-20	1.2500	2.000	0.688	✓		✓	✓*
SC-22	1.3750	2.125	0.750	✓		✓	
SC-24	1.5000	2.250	0.750	✓		✓	✓*
SC-26	1.6250	2.500	0.813	✓		✓	
SC-28	1.7500	2.750	0.875	✓		✓	
SC-30	1.8750	2.750	0.875	✓		✓	
SC-32	2.0000	3.000	0.875	✓		✓	

✓ Stocked Size

* Discontinued size, Limited stock available

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

Delrin 150E (White) with a plain finish

- Forged socket set screws.
- Additional sizes available.

- Bore tolerances:

Bore	Tolerance
Up to 1"	+ .0005"
	+ .002"

1.1/8" to 2"	+ .0005"
	+ .003"

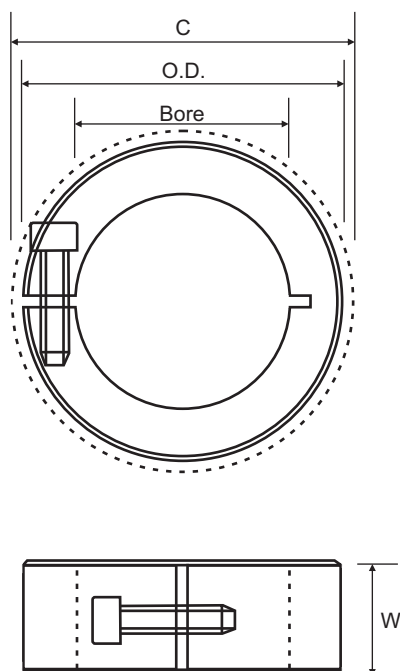
- Width tolerance:

All	+ .003"
	- .010"



One Piece Split (Clamp Type) Metric

One-piece clamp style collars wrap around the shaft for even greater distribution of clamping forces. This results in a tight fit and greater holding power, without the shaft damage caused by set screws. Ruland uses carefully selected materials and proprietary processes to ensure that the clamping gap remains open for simpler and more precise adjustment.



- Does not mar the shaft.
- Single point faced.
- Balanced versions available.
- Additional sizes available.

-Width tolerance:

All +.08 mm
 -.25 mm

Part No.	Bore (mm)	O.D. (mm)	C (mm)	W (mm)	F	A	SS	P
MCL-4	4.0	16.0	20.8	9.0	✓	✓	✓	✓
MCL-5	5.0	16.0	20.8	9.0	✓	✓	✓	✓
MCL-6	6.0	16.0	20.8	9.0	✓	✓	✓	✓
MCL-8	8.0	18.0	22.4	9.0	✓	✓	✓	✓
MCL-10	10.0	24.0	26.3	9.0	✓	✓	✓	✓
MCL-12	12.0	28.0	32.0	11.0	✓	✓	✓	✓
MCL-14	14.0	30.0	33.7	11.0	✓	✓	✓	
MCL-15	15.0	34.0	39.3	13.0	✓	✓	✓	✓
MCL-16	16.0	34.0	39.3	13.0	✓	✓	✓	✓
MCL-19	19.0	40.0	47.4	15.0	✓	✓	✓	
MCL-20	20.0	40.0	47.4	15.0	✓	✓	✓	✓
MCL-22	22.0	42.0	49.5	15.0	✓	✓	✓	✓
MCL-24	24.0	45.0	52.1	15.0	✓	✓	✓	
MCL-25	25.0	45.0	52.1	15.0	✓	✓	✓	✓
MCL-28	28.0	48.0	54.7	15.0	✓	✓	✓	✓
MCL-30	30.0	54.0	59.2	15.0	✓	✓	✓	✓
MCL-32	32.0	54.0	59.2	15.0	✓	✓	✓	
MCL-35	35.0	57.0	62.4	15.0	✓	✓	✓	
MCL-38	38.0	60.0	65.6	15.0	✓	✓	✓	
MCL-40	40.0	60.0	65.6	15.0	✓	✓	✓	
MCL-42	42.0	73.0	80.1	19.0	✓	✓	✓	
MCL-45	45.0	73.0	80.1	19.0	✓	✓	✓	
MCL-48	48.0	78.0	84.7	19.0	✓	✓	✓	
MCL-50	50.0	78.0	84.7	19.0	✓	✓	✓	
MCL-55	55.0	82.0	88.8	19.0	✓		^	
MCL-60	60.0	88.0	94.0	19.0	✓		^	
MCL-65	65.0	93.0	99.8	19.0	✓		^	
MCL-70	70.0	98.0	104.5	19.0	✓		^	
MCL-75	75.0	103.0	109.1	19.0	✓		^	
MCL-80	80.0	108.0	113.8	19.0	✓		^	

✓

Stocked Size

^

Available on request

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

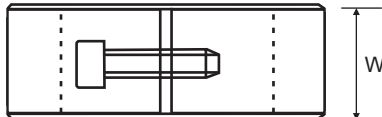
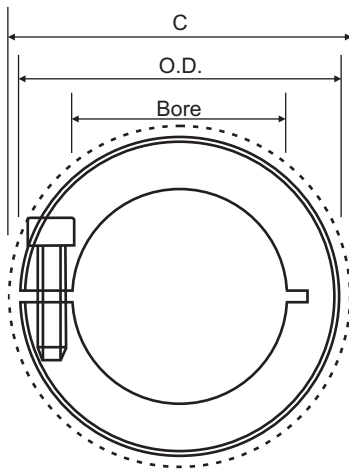
Delrin 150E (White) with a plain finish





One Piece Split (Clamp Type) Inch

One-piece clamp style collars wrap around the shaft for even greater distribution of clamping forces. This results in a tight fit and greater holding power, without the shaft damage caused by set screws. Ruland uses carefully selected materials and proprietary processes to ensure that the clamping gap remains open for simpler and more precise adjustment.



Part No.	Bore (in)	O.D. (in)	C (in)	W (in)	F	A	SS	P
CL-2	0.1250	0.625	0.773	0.281	✓	✓	✓	
CL-3	0.1875	0.625	0.773	0.281	✓	✓	✓	✓
CL-4	0.2500	0.625	0.773	0.281	✓	✓	✓	✓
CL-5	0.3125	0.688	0.838	0.281	✓	✓	✓	✓
CL-6	0.3750	0.875	1.027	0.343	✓	✓	✓	✓
CL-7	0.4375	0.938	1.080	0.343	✓	✓	✓	✓
CL-8	0.5000	1.125	1.281	0.406	✓	✓	✓	✓
CL-10	0.6250	1.313	1.500	0.437	✓	✓	✓	✓
CL-12	0.7500	1.500	1.808	0.500	✓	✓	✓	✓
CL-14	0.8750	1.625	1.916	0.500	✓	✓	✓	✓
CL-16	1.0000	1.750	2.032	0.500	✓	✓	✓	✓
CL-18	1.1250	1.875	2.140	0.500	✓	✓	✓	✓
CL-20	1.2500	2.063	2.295	0.500	✓	✓	✓	✓
CL-22	1.3750	2.250	2.465	0.563	✓	✓	✓	^
CL-24	1.5000	2.375	2.578	0.563	✓	✓	✓	✓
CL-26	1.6250	2.625	2.935	0.688	✓	✓	✓	^
CL-28	1.7500	2.750	3.046	0.688	✓	✓	✓	✓
CL-30	1.8750	2.875	3.160	0.688	✓	✓	✓	✓
CL-32	2.0000	3.000	3.273	0.688	✓	✓	✓	✓

✓

Stocked Size

^

Available on request

Steel - Black Oxide (F)

Cold drawn bar. Hot process black oxide, impregnated with naphthenic oil, centrifugal dried.

Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

Stainless Steel Grade 303 austenitic, non-magnetic bar with a bright finish.

Acetal (P)

Delrin 150E (White) with a plain finish

- Does not mar the shaft.
- Single point faced.
- Balanced versions available.
- Additional sizes available.

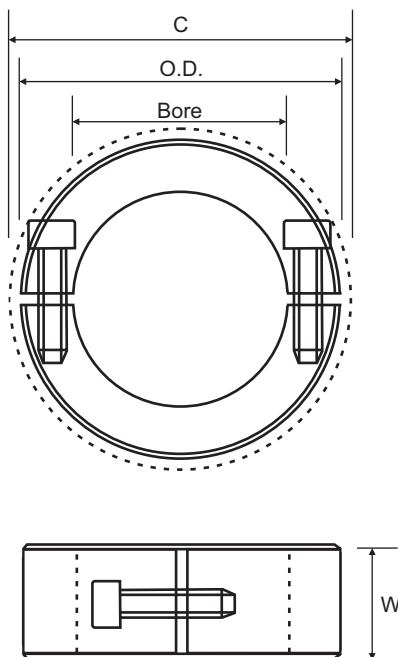
-Width tolerance:

All +.003"
 -.010"



Two Piece Split (Clamp Type) Metric

Two-piece clamp style collars offer the same benefits of the one-piece collars with additional versatility and convenience. They are easily disassembled, reducing labour and downtime when adjustment, removal or replacement is necessary. Ruland keeps both halves of its two-piece collars together throughout the manufacturing process to assure a perfect match, proper fit, holding power and alignment.



- Does not mar the shaft.
- Single point faced.
- Available with keyways.
- Opposing screws available.
- Additional sizes available.

-Width tolerance:

All +.08 mm
 -.25 mm

Part No.	Bore (mm)	O.D. (mm)	C (mm)	W (mm)	F	A	SS	P
MSP-4	4.0	16.0	20.8	9.0	✓	✓	✓	✓
MSP-5	5.0	16.0	20.8	9.0	✓	✓	✓	✓
MSP-6	6.0	16.0	20.8	9.0	✓	✓	✓	✓
MSP-8	8.0	18.0	22.4	9.0	✓	✓	✓	✓
MSP-10	10.0	24.0	26.3	9.0	✓	✓	✓	✓
MSP-11	11.0	28.0	32.0	11.0	✓		✓	
MSP-12	12.0	28.0	32.0	11.0	✓	✓	✓	✓
MSP-14	14.0	30.0	33.7	11.0	✓	✓	✓	
MSP-15	15.0	34.0	39.3	13.0	✓	✓	✓	✓
MSP-16	16.0	34.0	39.3	13.0	✓	✓	✓	✓
MSP-19	19.0	40.0	47.4	15.0	✓	✓	✓	
MSP-20	20.0	40.0	47.4	15.0	✓	✓	✓	✓
MSP-22	22.0	42.0	49.5	15.0	✓	✓	✓	✓
MSP-25	25.0	45.0	52.1	15.0	✓	✓	✓	✓
MSP-28	28.0	48.0	54.7	15.0	✓	✓	✓	✓
MSP-30	30.0	54.0	59.2	15.0	✓	✓	✓	✓
MSP-32	32.0	54.0	59.2	15.0	✓	✓	✓	
MSP-35	35.0	57.0	62.4	15.0	✓	✓	✓	
MSP-38	38.0	60.0	65.6	15.0	✓	✓	✓	
MSP-40	40.0	60.0	65.6	15.0	✓	✓	✓	
MSP-42	42.0	73.0	80.1	19.0	✓	✓	✓	
MSP-45	45.0	73.0	80.1	19.0	✓	✓	✓	
MSP-48	48.0	78.0	84.7	19.0	✓	✓	✓	
MSP-50	50.0	78.0	84.7	19.0	✓	✓	✓	
MSP-55	55.0	82.0	88.8	19.0	✓		^	
MSP-60	60.0	88.0	94.0	19.0	✓		^	
MSP-65	65.0	93.0	99.8	19.0	✓		^	
MSP-70	70.0	98.0	104.5	19.0	✓		^	
MSP-75	75.0	103.0	109.1	19.0	✓		^	
MSP-80	80.0	108.0	113.8	19.0	✓		^	

✓

Stocked Size

^

Available on request

Steel - Black Oxide (F)

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Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

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Acetal (P)

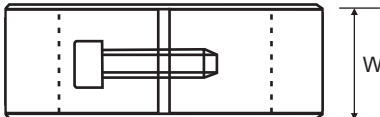
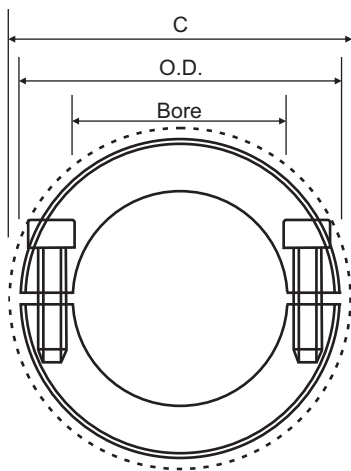
Delrin 150E (White) with a plain finish





Two Piece Split (Clamp Type) Inch

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SP-4	0.2500	0.625	0.773	0.281	✓	✓	✓	✓
SP-5	0.3125	0.688	0.838	0.281	✓	✓	✓	✓
SP-6	0.3750	0.875	1.027	0.343	✓	✓	✓	✓
SP-7	0.4375	0.938	1.080	0.343	✓	✓	✓	✓
SP-8	0.5000	1.125	1.281	0.406	✓	✓	✓	✓
SP-10	0.6250	1.313	1.500	0.437	✓	✓	✓	✓
SP-12	0.7500	1.500	1.808	0.500	✓	✓	✓	✓
SP-14	0.8750	1.625	1.916	0.500	✓	✓	✓	✓
SP-16	1.0000	1.750	2.032	0.500	✓	✓	✓	✓
SP-18	1.1250	1.875	2.140	0.500	✓	✓	✓	✓
SP-20	1.2500	2.063	2.295	0.500	✓	✓	✓	✓
SP-22	1.3750	2.250	2.465	0.563	✓	✓	✓	✓
SP-24	1.5000	2.375	2.578	0.563	✓	✓	✓	✓
SP-26	1.6250	2.625	2.935	0.688	✓	✓	✓	
SP-28	1.7500	2.750	3.046	0.688	✓	✓	✓	✓*
SP-30	1.8750	2.875	3.160	0.688	✓	✓	✓	✓*
SP-32	2.0000	3.000	3.273	0.688	✓	✓	✓	✓*

✓ Stocked Size

* Discontinued size, Limited stock available

Steel - Black Oxide (F)

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Aluminium (A)

2024-T351 bar with a bright finish.

Stainless Steel (SS)

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Acetal (P)

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- Available with keyways.
- Opposing screws available.
- Additional sizes available.

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All +.003"
-.010"