

COUPLINGS PRODUCTS CATALOG



BUCHANAN RUBBER LTD.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150		125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

PART A

MALE ADAPTER



FEMALE NPT

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150	150	125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

PART B

MALE NPT



FEMALE COUPLER

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

Gasket	
Nitrile (Standard For All)	-40C to +100C(-40F to +212F)
EPDM (Nylon and PP)	-51C to +100C(-60F to +212F)
Viton (Optional)	-17C to +248C(+1F to +480F)

Hardware	
Pins and Rings (Aluminum)	Zinc Plated Carbon Steel
Safety Clips (Aluminum)	Zinc Plated Carbon Steel
Pins and Rings (Others)	Stainless
Safety Clip (Others)	Stainless

Handles	
Aluminum and Brass	Forged Brass
Others	Investment Cast SS

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150	150	125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

PART C

HOSE SHANK



FEMALE COUPLER

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

Gasket	
Nitrile (Standard For All)	-40C to +100C(-40F to +212F)
EPDM (Nylon and PP)	-51C to +100C(-60F to +212F)
Viton (Optional)	-17C to +248C(+1F to +480F)

Hardware	
Pins and Rings (Aluminum)	Zinc Plated Carbon Steel
Safety Clips (Aluminum)	Zinc Plated Carbon Steel
Pins and Rings (Others)	Stainless
Safety Clip (Others)	Stainless

Handles	
Aluminum and Brass	Forged Brass
Others	Investment Cast SS

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150	150	125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

PART D

FEMALE NPT



FEMALE COUPLER

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

Gasket	
Nitrile (Standard For All)	-40C to +100C(-40F to +212F)
EPDM (Nylon and PP)	-51C to +100C(-60F to +212F)
Viton (Optional)	-17C to +248C(+1F to +480F)

Hardware	
Pins and Rings (Aluminum)	Zinc Plated Carbon Steel
Safety Clips (Aluminum)	Zinc Plated Carbon Steel
Pins and Rings (Others)	Stainless
Safety Clip (Others)	Stainless

Handles	
Aluminum and Brass	Forged Brass
Others	Investment Cast SS

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150		125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

PART E
HOSE SHANK



MALE ADAPTER

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150		125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

PART F
MALE ADAPTER



MALE NPT

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150		125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

DUST CAP



FEMALE COUPLER

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

Gasket	
Nitrile (Standard For All)	-40C to +100C(-40F to +212F)
EPDM (Nylon and PP)	-51C to +100C(-60F to +212F)
Viton (Optional)	-17C to +248C(+1F to +480F)

Hardware	
Pins and Rings (Aluminum)	Zinc Plated Carbon Steel
Safety Clips (Aluminum)	Zinc Plated Carbon Steel
Pins and Rings (Others)	Stainless
Safety Clip (Others)	Stainless

Handles	
Aluminum and Brass	Forged Brass
Others	Investment Cast SS

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.

Cam and Groove Pressure Chart By Material						
Size	Aluminum	SS 316	Ductile	Brass	Nylon	Poly
1/2"	250	250	250	150	175	125
3/4"	250	250	250	150	175	125
1"	250	250	250	150	175	125
1-1/4"	250	250	250	150	150	125
1-1/2"	250	250	250	150	150	125
2"	250	250	250	150	150	125
2-1/2"	150	150	150	150		125
3"	150	150	150	150	75	75
4"	150	150	150	150	75	75
5"	75	75	75	75		
6"	75	75	75	75		
8"	50					
10"	50					

DUST PLUG



MALE ADAPTER

Material	Temperature Range
Aluminum	-101C to +121C(-150F to +250F)
SS 316	-101C to +260C(-150F to +500F)
Ductile	-29C to +260C(-20F to +500F)
Brass	-101C to +232C(-150F to +450F)
Polypropylene	-26C to +66C(-15F to +150F)
Nylon	-34C to +121C(-30F to +250F)

All sizes except 5" and 8" are made to comply with MIL Specification A-A-59326. These sizes comply with ASTM Specifications 1/2" x 1/2" are not specified under MIL Specification.



BUCHANAN RUBBER LTD.

Buchanan Rubber has been in business for over 25 years. At the time of our inception, most Industrial Hose and Coupling distributors relied on large corporations with high prices, small inventories and long lead times. Our approach to the market was to give these distributors an alternative source of supply. Buchanan Rubber's approach was to concentrate on these three business metrics and offer distributors what they could not consistently receive elsewhere in the market. This approach combined with the practice of staffing our company with Industry professionals has served our customers well over the years. Today, we continue to successfully optimize this model by providing Quality Products, Competitive Prices and Outstanding Service.

We look forward to being of service to your company.

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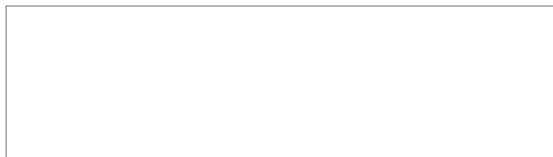
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The information presented in this brochure is to be used as a general guide. This literature and other literature from Buchanan Rubber is to provide product options for further investigation by experienced, technically versed users. Due to the varietal nature of operating conditions and applications, the user is solely responsible for making the final selection of the product with full understanding that the performance and safety criteria of the application are met. The product specifications presented here are subject to change without notice.