



Pacific Hoseflex

PTY LTD



SWIVEL JOINTS

Product Range



Right Angle

- Cast Body
- 316 Stainless Steel
- Strong Body
- High Stress applications
- 1/2" to 3"



Flange

- Short and Long Neck
- 316 or Steel
- 2" to 10" bore
- Flanges sizes as required
- Made to order



Male/Female Straight

- Short Body
- Full flow through
- 316 Stainless Steel
- 1/2" to 3", ZVA, Emco Wheaton



Z-Swivel

- Full movements
- multi plane movements
- 316 Stainless Steel
- Strong Cast Body
- No restrictions
- 3/4" to 2", ZVA, spanloc



Female/Female Straight

- Long Body
- Heavy Duty
- High Stress applications
- 1/2" to 3"



Custom Designs

- Acid, Milk, Eathanol
- Bulk Loading
- Sewage
- Car Washers
- Materials - Plastic, Aluminim
- Custom connections
- Large sizes

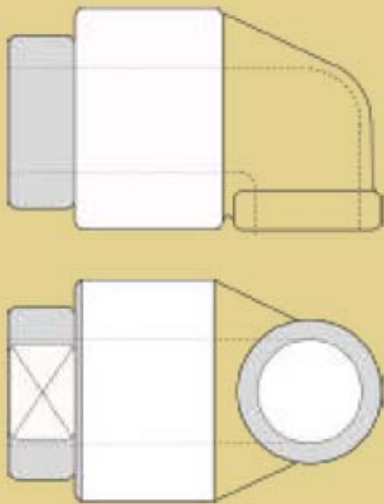


Pacific Hoseflex

PTY LTD



A-Swivel



- Strong Body
- Short body
- Stainless Steel construction
- Clean internal body
- No Intrusions to upset flow
- Same size through body
- Inuse for the last 25+ years
- Different sizes for different situations
- Different end pieces as required
- Easy to service
- Internal bearing to keep stress off seals and longer life
- No snap rings or circlips to break

Code	Description	OAL	O.D
050#XX - ** - _ - R	1/2"	91mm	57mm
075#XX - ** - _ - R	3/4"	98mm	57mm
100#XX - ** - _ - R	1"	105mm	76mm
125#XX - ** - _ - R	1 1/4"	136mm	95mm
150#XX - ** - _ - R	1 1/2"	136mm	95mm
200#XX - ** - _ - R	2"	140mm	95mm
250#XX - ** - _ - R	2 1/2"		
300#XX - ** - _ - R	3"		

LEGEND-

: B= BSP, N= NPT, J= JIC, M= Metric, BW= Butt-weld, SW= Socket-weld, A= ANSI (state class), TE= Table 'E', TD= Table 'D', TF= Table 'F', TH= Table 'H', D= DIN 16, C= Custom
 X : F= Female, M= Male, FL= Flange

* : SS= Stainless Steel, CS= Carbon Steel, PP= Polypropylene, PT= PTFE

_ : E= EPDM, P= PTFE, N= Neoprene, B= Buna Nitrile, V= Viton

**** Custom design and larger sizes available on request ****



Pacific Hoseflex

PTY LTD



S-Swivel



Benefits

- Strong Body
- Short and long body versions
- Stainless Steel construction
- Clean internal body
- No Intrusions to upset flow
- Same size through body
- Inuse for the last 25+ years
- Different sizes for different situations
- Different end pieces as required
- Easy to service
- Internal bearing to keep stress off seals and longer life
- No snap rings or circlips to break
- Heavy duty version for heavy use

Code	Description	F/F	M/F
		OAL/ O.D	OAL/ O.D
050#XX - ** - _ - S	1/2"	75mm/ 40mm	
075#XX - ** - _ - S	3/4"	75mm/ 40mm	
100#XX - ** - _ - S	1"	85mm/ 45mm	78mm/ 46mm
125#XX - ** - _ - S	1 1/4"	110mm/ 51mm	78mm/ 56mm
150#XX - ** - _ - S	1 1/2"	110mm/ 55mm	78mm/ 65mm
200#XX - ** - _ - S	2"	120mm/ 80mm	90mm/ 76mm
250#XX - ** - _ - S	2 1/2"	130mm/ 100mm	125mm/ 90mm
300#XX - ** - _ - S	3"	145mm/ 120mm	135mm/ 110mm

LEGEND-

: B= BSP, N= NPT, J= JIC, M= Metric, BW= Butt-weld, SW= Socket-weld, A= ANSI (state class), TE= Table 'E', TD= Table 'D', TF= Table 'F', TH= Table 'H', D= DIN 16, C= Custom

X : F= Female, M= Male, FL= Flange

* : SS= Stainless Steel, CS= Carbon Steel, PP= Polypropylene, PT= PTFE

_ : E= EPDM, P= PTFE, N= Neoprene, B= Buna Nitrile, V= Viton

**** Custom design and larger sizes available on request ****



Pacific Hoseflex

PTY LTD



Z-Swivel



- Strong Body
- Stainless Steel construction
- Clean internal body
- No Intrusions to upset flow
- Same size through body
- Inuse for the last 6 years
- Different sizes for different situations
- Different end pieces as required
- Full multi-plane movement (2 or 3 directions)
- 45° between the ends when at 180° for easy handling
- Internal bearing to keep stress off seals and longer life
- No snap rings or circlips to break
- Tested to 250 psi, 100,000 movements and 25KN pull apart test

Code	Description
075#XX – ZVA20 - ** - _ - +Z	¾"
100#XX – ZVA25 - ** - _ - +Z	1"
125#XX – ZVA32 - ** - _ - +Z	1 ¼"
150#XX – ZVA38 - ** - _ - +Z	1 ½"
200#XX – ZVA50 - ** - _ - +Z	2"

LEGEND-

: B= BSP, N= NPT, J= JIC, M= Metric, BW= Butt-weld, SW= Socket-weld, A= ANSI (state class), TE= Table 'E', TD= Table 'D', TF= Table 'F', TH= Table 'H', D= DIN 16, C= Custom

X : F= Female, M= Male, FL= Flange

* : SS= Stainless Steel, CS= Carbon Steel, PP= Polypropylene, PT= PTFE

_ : E= EPDM, P= PTFE, N= Neoprene, B= Buna Nitrile, V= Viton

+ : 1= 1 Swivel Plane, 2= 2 Swivel Planes, 3= 3 Swivel Planes

**** Custom design and larger sizes available on request ****



Pacific Hoseflex

PTY LTD



F-Swivel



Due to the wide range of flanges and materials, each swivel joint is made to order.

- Strong Body
- Short and long body versions
- Clean internal body
- No Intrusions to upset flow
- Same size through body
- Different sizes for different situations
- Different end pieces as required
- Easy to service
- Internal bearing to keep stress off seals and longer life
- No snap rings or circlips to break

Code	Description
150# - 038 ^{^^} - ** - _ - F	1 1/2"
200# - 050 ^{^^} - ** - _ - F	2"
250# - 065 ^{^^} - ** - _ - F	2 1/2"
300# - 075 ^{^^} - ** - _ - F	3"
400# - 100 ^{^^} - ** - _ - F	4"
500# - 125 ^{^^} - ** - _ - F	5"
600# - 150 ^{^^} - ** - _ - F	6"
800# - 200 ^{^^} - ** - _ - F	8"

LEGEND-

: B= BSP, N= NPT, J= JIC, M= Metric, BW= Butt-weld, SW= Socket-weld, A= ANSI (state class), TE= Table 'E', TD= Table 'D', TF= Table 'F', TH= Table 'H', D= DIN 16, C= Custom

X : F= Female, M= Male, FL= Flange

* : SS= Stainless Steel, CS= Carbon Steel, PP= Polypropylene, PT= PTFE

_ : E= EPDM, P= PTFE, N= Neoprene, B= Buna Nitrile, V= Viton

^ = OAL Requested

**** Custom design and larger sizes available on request ****

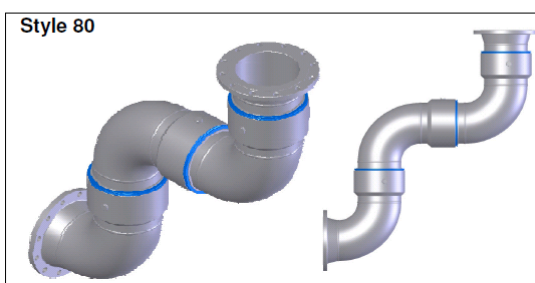
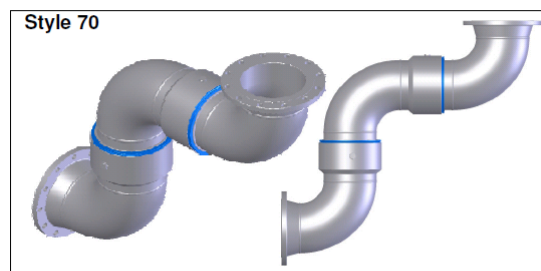
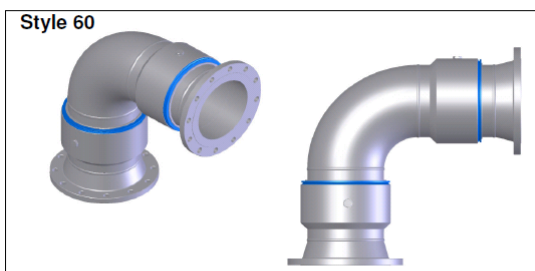
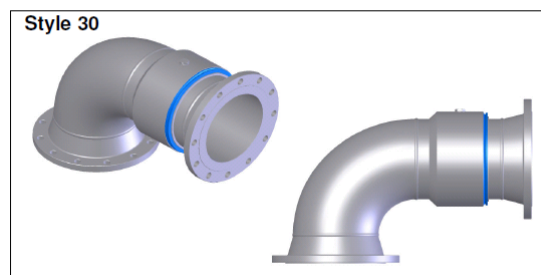
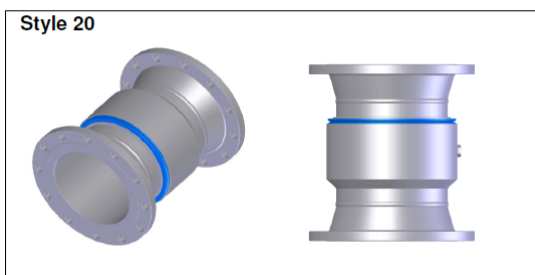


Pacific Hoseflex

PTY LTD

Swivel Joint Assemblies

Swivels are shown assembled in 8 standard styles for 1, 2 or 3 planes of rotation. All styles are available with flanges as shown or weld end, weld end extensions or threaded other end connection types on request.





Pacific Hoseflex

PTY LTD



Technical Details

Chemical	Std	Notes
Water	Yes	
Petrol	Yes	
Diesel	Yes	
Oil	Yes	
Av - Gas	Yes	
Bitumen	No	seal changed to Viton
Food (Wine, Milk, Essential Oils, etc)	No	changed to teflon bearing, seal, grease
Eathnol	No	changed to teflon bearing, seal, grease
Acids	No	Depends upon acid. Plastic swivel may be used in some cases
Other Fluids		Contact your agent for more details as bearing, seal and grease can be changed for most chemicals

Product Coding Abbreviations

Swivel Types

S = Standard Straight
 SH = Heavy Duty Straight
 R = Right Angle
 F = Flange
 1Z = Z- Swivel 1 Direction
 2Z = Z-Swivel 2 Directions
 3Z = Z-Swivel 3 Directions

Thread Types

B = BSP
 N = NTP
 M = Metric
 S = Spanloc connector
 ZVA = ZVA Type connector
 C = Custom - refer description

End Type

M = Male
 F = Female

Material Types

SS = 316 Stainless Steel
 AL = Aluminium
 PL = Plastic
 MS = Mild Steel

Custom Modifications

C = Custom
 T = Teflon
 V = Viton
 N = Nitrile
 H = High Pressure seal
 F = High Speed seal

Product coding conventions when Ordering

All codes are broken down in a fixed order of End Type(s) – Material – Swivel Type - Custom.

End Types is broken dow further in size - thread type - Male/Female. If size and thread type are the same, then only male/female is required.

End type for Flange swivels is Size, flange type - bore, length in mm

Example Codes

100BFF-SS-A	1" BSP Female/Female Stainless Right Angle
100BFZVA42-SS-S	1" BSP Female, ZVA # 42 Female Stainless Straight
200BMM-AL-3Z	2" BSP Male/Male, Aluminum, 3 directions Z Swivel
100BFF-SS-SH-MTTT	1" BSP Female/Female Stainless heavy duty straight with Teflon bearing, seal and grease
600ASA300-150230-SS-F	6" ASA 300 Flanges, 150 bore, 230mm length, stainless steel

Notes

Speed of rotation and pressure will also affect the bearing, seals and grease that will be used.

If not sure, contact a Swiveltech representative to discuss your requirements as the TippettSwivel has been used in many applications over 25 years in ways no one would have though of using a swivel for.



Pacific Hoseflex

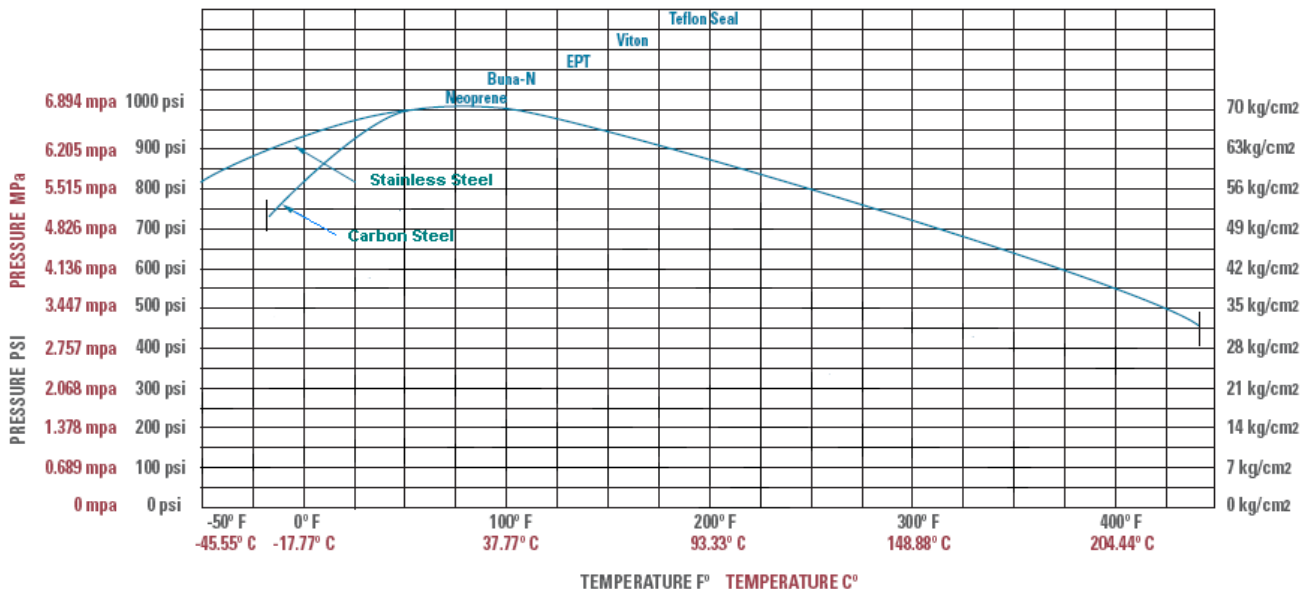
PTY LTD

PRESSURE/TEMPERATURE

PRESSURE

Material	3/4" 20mm	1" 25mm	1 1/4" 32mm	1 1/2" 40mm	2" 50mm	3" 80mm	4" 100mm	6" 150mm	8" 200mm	10" 250mm	Pressure Rating*
Steel, Cast, High-Pressure 3200 Series		■	■	■	■						3000 psi 210 kg/cm ² 20.68 mpa
Steel, Fabricated 3400 Series					■	■	■	■	■	■	1000 psi 70 kg/cm ² 6.89 mpa
316 Stainless Steel 3700 & 3900 Series	■	■		■	■	■	■	■	■	■	1000 psi 70 kg/cm ² 6.89 mpa

TEMPERATURE



*** Please note – above charts based on Stainless and Carbon Steel.
Please call for specifications for other materials as the above specifications do not apply ***



Pacific Hoseflex

PTY LTD

Technical Information (Hose Specification Sheet)

Instructions: To place an order or request a quotation, please complete section I. If you need assistance in specifying an assembly, complete Section II as well as the "End Fittings" portion of Section I. When completed, Fax: (617) 55 934 298 or Email: phf@hoseflex.com.au this form to Pacific Hoseflex



Customer: _____ Contact: _____

Date: _____ Phone: _____ Fax: _____

Email: _____

I. Specification Information

Request Quote Yes / No circle one

Place Order P.O.# _____ Quote ref # _____

Quantity: _____ Date Required: _____

Hose type: _____ Diameter (mm): _____ Length (mm): _____

(Live Length / Overall Length) Circle One

End Fittings (type and size for both ends)

End #1: Size: _____ Type: _____ Material: _____

End #2: Size: _____ Type: _____ Material: _____

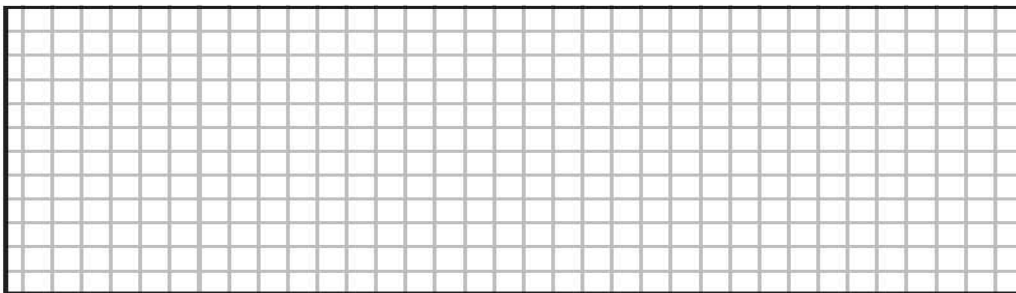
Liner Required: Yes / No Circle One If "Yes", Liner Material: _____

Special Fabrication: _____

Accessories: _____

II. Application Information

Application Drawing: (sketch the installation and include all dimensions and motions of hose during application and any other considerations)



Size (mm): _____ (in the event the fittings or hose have different sizes, include all sizes and show on the application drawing).

Temperature: Media: Min. _____ °C Max. _____ °C Environment: Min. _____ °C Max. _____ °C
(assumption is 21°C for all)

Media: _____ (assumption is the media is compatible with all available materials)

Max. Pressure (psi): _____ Fluctuations (None / Pulsating / Shock) Circle One
(assumption is nominal pressure, no fluctuations)

Max. Velocity (feet/second): _____
(assumption is velocity is too slow to affect performance)

Type of Motion (from drawing above): (Static / Constant / Vibration) Circle One
(assumption is static)



Pacific Hoseflex

PTY LTD

Notes