



2012

PRODUCT CATALOG



TAIMI HYDRAULICS

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TABLE OF CONTENT

1. THINK SAFETY.....	1
2. ADVANTAGES.....	2
3. TAIMI RESEARCH & DEVELOPMENT	4
4. SWIWELL CARTRIDGE.....	5
5. MINING SWIWELL CARTRIDGE.....	9
6. IN-LINE SWIVELS.....	11
7. 90° SWIVELS	16
8. DUAL SWIVEL MANIFOLD / "A" Series.....	18
9. HARVESTER CUSTOM PRODUCTS.....	21
9.1 SWIROLL – CIRCULAR & SPHERICAL HYDRAULIC JOINTS.....	21
9.2 SWIWELL MANIFOLDS.....	24
10. MINING JUMBOS AND BOLTERS CUSTOM PRODUCTS	30
11. STRAP-WRAP	32
12. SEAL KIT REPLACEMENT	34
13. WORLDWIDE DISTRIBUTION.....	35

1. THINK SAFETY



When assembling or doing maintenance on hydraulic systems and hose assemblies, it is of uttermost importance to be properly trained, use appropriate tools, components and equipment, follow specifications and think safety. Otherwise, serious injury may happen or even worse.

Taimi swivels and cartridges (other than stainless steel) have pressure capabilities of:

Sizes	PSI	Bar
06 – 10 – 12 – 16	6000	410
20	5500	380
24	4500	310
32	3000	205

Pressure capabilities of Taimi products must be respected for safety purposes.

You may have to replace the seal kit inside your Taimi products at some point. Please refer to section 12 of this catalog for instructions. It is important to torque Taimi cartridges according to the torque chart indicated in section 12. If Taimi cartridges are overtorqued, a housing failure may happen over time causing serious injuries.



2. ADVANTAGES

TAI MI's unique ball-less design swivel products brings reliability to your hydraulic systems, increasing service life and cutting out leakages. This translates in higher productivity and lower operating costs.

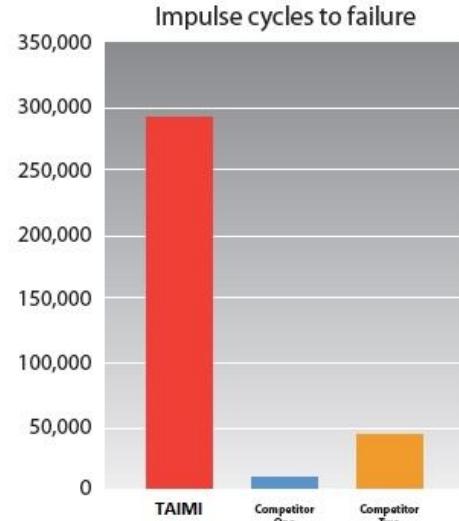


Our exclusive shank-nut assembly (cartridge) is key to the effectiveness of our design.

- 1 - The long span of the shank allows for optimal contact surfaces. This shank is inserted through the bottom of the nut. The slick thrust washer is built out of a low friction self-lubricating polymer yielding very high performance shock absorption characteristics.
- 2 - The sturdy nut securely fastens the rotating shank to a housing, a block or a manifold, and prevents it from ever dismantling during operation.
- 3 - Superior sealing is achieved in two stages; first by contact under pressure between the thrust washer and the nut, and then by two (2) sets of oversized Viton o-rings and Teflon backups, completing the assembly for unmatched reliability.

The benefits of our exclusive design are:

- A- Better wear resistance
- B- Better wear resistance
- C- No dismantling
- D- Fewer hydraulic leaks
- E- Quicker, cheaper and easier maintenance
- F- Works well under pressure
- G- Possible integration into manifold designs



SWIVEL COMPARISON CHART

	TAIMI	A	B	C	D	E
Max Operating Pressure-Size 16 (PSI)	6000	5000	3000/5000	4000/5000	3000/5000	3000
Wear Resistance	Best	Fair	Fair	Poor	Poor	Poor
Side Load Resistance	Best	Fair	Fair	Poor	Poor	Poor
Dismantling / Pulling Apart Resistance	Best	Fair	Poor	Poor	Poor	Poor
Possible Heavy Oil Spill Caused by Failure	No	No	Yes	Yes	Yes	Yes
Resistance to Leakage	Best	Fair	Fair	Poor	Poor	Poor
Quick, Cheap and Easy Maintenance	Yes	Average	Average	No	No	No
Good performance from -40 °C to 50 °C at 5000 PSI	Best	Fair	Poor	Poor	Poor	Poor
Body Size	Medium	Compact	Large	Compact	Compact	Compact
Size of Tools Required to Service	Small	Small	Large	Medium	Medium	Medium
Protections against Outside Contamination	Best	Average	Poor	Average	Average	Average
Seal Protection against Pressure Peaks	High	Poor	Poor	Poor	Poor	Poor
Outside Lock Screw that Can Be Damaged	No	No	Yes	Yes	Yes	Yes
Spare Parts Availability	Yes	No	No	No	No	No
Durability	Best	Good	Good	Poor	Poor	Poor
Available in 90 degrees	Yes	No	Yes	Yes	Yes	Yes
Available Sizes	up to 32	up to 24	up to 16	up to 32	Up to 32	Up to 32

This chart is based on our interpretation of products characteristics, lab and field test data, and customers testimonies

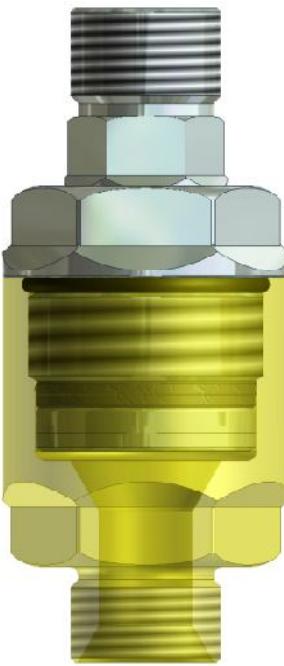
3. TAIMI RESEARCH & DEVELOPMENT

Our engineering staff has been working closely with machinery manufacturers, owners and operators from the outset. We developed our product range by listening to our customers and understanding their challenges.

Online and in the field support can be provided for designing and testing new applications. New products are designed according to customers' specifications.

CAD files of all our existing products can be provided upon request.

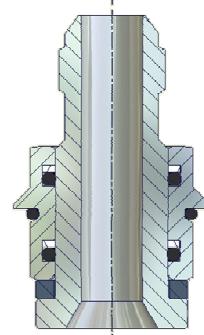
Our promise is to help increase productivity and reduce operating costs, help protect the environment by reducing oil leaks and fluid consumption, and offer hydraulic peace of mind in the challenging environment we live in.



4. SWIWELL CARTRIDGE



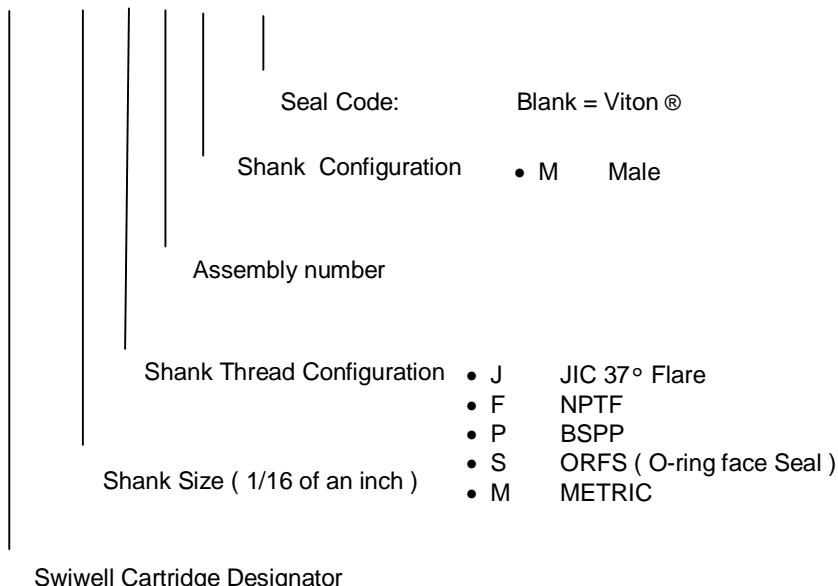
The Swiwell Cartridge™ is designed to be integrated into hydraulic manifolds. It simply screws in, becoming a short and very sturdy swiveling coupling that will live through high pressure and side loads. It offers new hydraulic setup possibilities with unequalled reliability. The Swiwell Cartridge eliminates hose torsion, reduces leakage and extends hose life



MATERIAL OPTIONS	Standard	Options
Shank, Nut	Carbon steel	Stainless
Plating	White (Blue) Zinc	Nickel, Arcor ®
Seals	Viton ®	AFLAS ®

HOW TO ORDER

SZ4 – 12– J 01 M - _





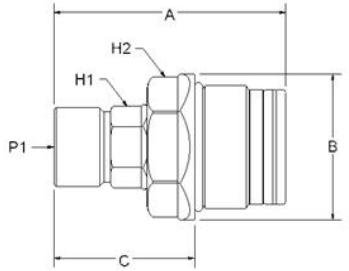
Male 37° Flare

Part no.	A	B	C	P1	H1	H2	Seal kit
SZ4-06-J01M	1.90"	1.25"	1.13"	9/16"- 18 UNF	1/2"	1"	SZ-06-001SK-A
SZ4-08-J01M	2.53"	1.50"	1.56"	3/4"- 16 UNF	11/16"	1 1/4"	SZ-08-001SK-A
SZ4-10-J01M	2.59	1.73	1.63	7/8"- 14 UNF	13/16"	1 1/2"	SZ-10-001SK-A
SZ4-12-J01M	3.15"	2.00"	1.95"	1 1/16"- 12 UN	15/16"	1 5/8"	SZ-12-001SK-A
SZ4-16-J01M	3.63"	2.22"	2.38"	1 5/16"- 12 UN	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ4-20-J01M	3.96"	2.75"	2.55"	1 5/8"- 12 UN	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ4-24-J01M	4.17"	3.00"	2.68"	1 7/8"- 12 UN	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ4-32-J01M	5.03"	3.88"	3.28"	2 1/2"- 12 UN	2 5/16"	3 1/4"	SZ-32-001SK-A

Male Pipe

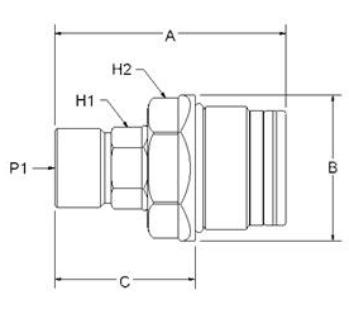
Part no.	A	B	C	P1	H1	H2	Seal kit
SZ4-08-F01M	2.38"	1.53"	1.41"	1/2" NPTF	3/4"	1 5/16"	SZ-08-002SK-A
SZ4-12-F01M	3.06"	2.00"	1.86"	3/4" NPTF	15/16"	1 5/8"	SZ-12-001SK-A
SZ4-16-F01M	3.25"	2.22"	2.00"	1" NPTF	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ4-20-F01M	3.63"	2.75"	2.22"	1 1/4" NPTF	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ4-24-F01M	3.78"	3.00"	2.30"	1 1/2" NPTF	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ4-32-F01M	4.53"	3.88"	2.78"	2" NPTF	2 5/16"	3 1/4"	SZ-32-001SK-A

Male BSPP



Part no.	A	B	C	P1	H1	H2	Seal kit
SZ4-06-P01M	1.81"	1.35"	1.05"	G 3/8	5/8"	1 1/4"	SZ-06-002SK-A
SZ4-08-P01M	2.36"	1.53"	1.39"	G 1/2	3/4"	1 5/16"	SZ-08-002SK-A
SZ4-12-P01M	3.00"	2.00"	1.86"	G 3/4	15/16"	1 5/8"	SZ-12-001SK-A
SZ4-16-P01M	3.50"	2.22"	2.25"	G 1	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ4-20-P01M	3.63"	2.75"	2.25"	G 1 1/4	1 1/2"	2 3/8"	SZ-20-001SK-A

Male O-Ring Face Seal



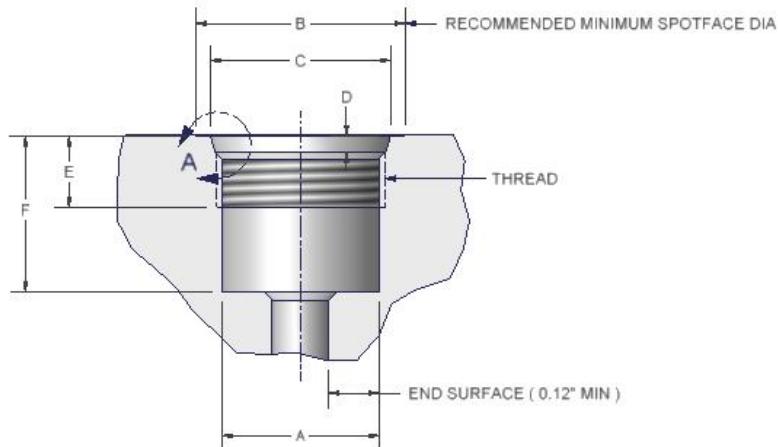
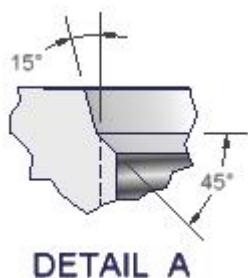
Part no.	A	B	C	P1	H1	H2	Seal kit
SZ4-06-S01M	1.83"	1.35"	1.07"	11/16" - 16 UNF	5/8"	1 1/8"	SZ-06-002SK-A
SZ4-08-S01M	2.41"	1.53"	1.44"	13/16" - 16 UNF	3/4"	1 5/16"	SZ-08-002SK-A
SZ4-10-S01M	2.51	1.86	1.55	1" - 14 UNF	15/16"	1 5/8"	SZ-10-002SK-A
SZ4-12-S01M	3.06"	2.09"	1.86"	1 3/16"- 12 UN	1 1/16"	1 3/4"	SZ-12-002SK-A
SZ4-16-S01M	3.50"	2.31"	2.25"	1 7/16"- 12 UN	1 5/16"	2"	SZ-16-002SK-A
SZ4-20-S01M	3.69"	2.75"	2.29"	1 11/16"- 12 UN	1 9/16"	2 3/8"	SZ-20-002SK-A

Male Metric (DIN 3852)

Available upon request



CARTRIDGES BORING DIMENSIONS CHART



Sizes & Configuration	A	B	C	D	E	F	Thread
J06, F06	0.920"- 0.925"	1.28"	1.068"-1.073"	0.100"-0.105"	0.50"-0.53"	0.808"-0.818"	1.00" - 12 UN - 1B
P06, S06	1.045"- 1.050"	1.38"	1.183"-1.188"	0.100"-0.105"	0.50"-0.53"	0.808"-0.818"	1.12" - 12 UN - 1B
J08, F08	1.170"-1.175"	1.53"	1.310"-1.315"	0.100"-0.105"	0.69"-0.72"	1.010"-1.020"	1.25" - 12 UN - 1B
P08, S08	1.235"-1.240"	1.56"	1.373"-1.378"	0.100"-0.105"	0.69"-0.72"	1.010"-1.020"	1.31" - 12 UN - 1B
J10, P10, F10	1.355"-1.360"	1.78"	1.520"-1.525"	0.100"-0.105"	0.69"-0.72"	1.010"-1.020"	1.44" - 12 UN - 1B
J12, P12, F12	1.545"-1.550"	2.03"	1.690"-1.695"	0.125"-0.130"	0.81"-0.84"	1.260"-1.270"	1.63" - 12 UN - 1B
S12, M30	1.670"-1.675"	2.13"	1.860"-1.865"	0.125"-0.130"	0.81"-0.84"	1.260"-1.270"	1.75" - 12 UN - 1B
J16, F16, P16	1.795"-1.800"	2.25"	1.940"-1.945"	0.125"-0.130"	0.81"-0.84"	1.325"-1.335"	1.88" - 12 UN - 1B
S16	1.915"-1.920"	2.38"	2.107"-2.112"	0.125"-0.130"	0.81"-0.84"	1.325"-1.335"	2.00" - 12 UN - 1B
J20, F20, S20	2.295"-2.300"	2.78"	2.430"-2.435"	0.125"-0.130"	1.00"-1.03"	1.475"-1.485"	2.38" - 12 UN - 1B
J24, F24	2.545"-2.550"	3.03"	2.690"-2.695"	0.125"-0.130"	1.00"-1.03"	1.575"-1.585"	2.63" - 12 UN - 1B
J32, F32	3.295"-3.300"	3.94"	3.460"-3.465"	0.125"-0.130"	1.12"-1.15"	1.835"-1.845"	3.38" - 12 UN - 1B

SHANK INTERCHANGE				
Sizes	JIC	BSPP	NPTF	ORFS
06	-	x	x	x
08	-	x	x	x
10	-	x	na	x
12	x	x	x	-
16	x	x	x	-
20	x	x	x	x
24	x	na	x	na
32	x	na	x	na
x shank interchange		na (not available)		

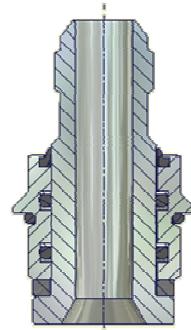
Sizes	Ft-lbs	Nm
06	200	270 Nm
08	270	365 Nm
10	300	405 Nm
12	350	475 Nm
16	400	540 Nm
20	500	675 Nm
24	550	745 Nm
32	650	880 Nm

- Dry torque - Lubricate external o-ring

5. MINING SWIWELL CARTRIDGE



We also offer an Extra Heavy Duty Cartridge made especially for the highly abrasive underground mining environment. They are also designed to be integrated into hydraulic manifolds. The boring dimensions are exactly the same as the standard cartridges. Compared to the standard cartridges, these Mining Swiwell Cartridges have the following characteristics:



1. Extra wiper ring to keep abrasive material away from components
2. Increased contact surfaces for optimum side load resistance
3. Harder steel



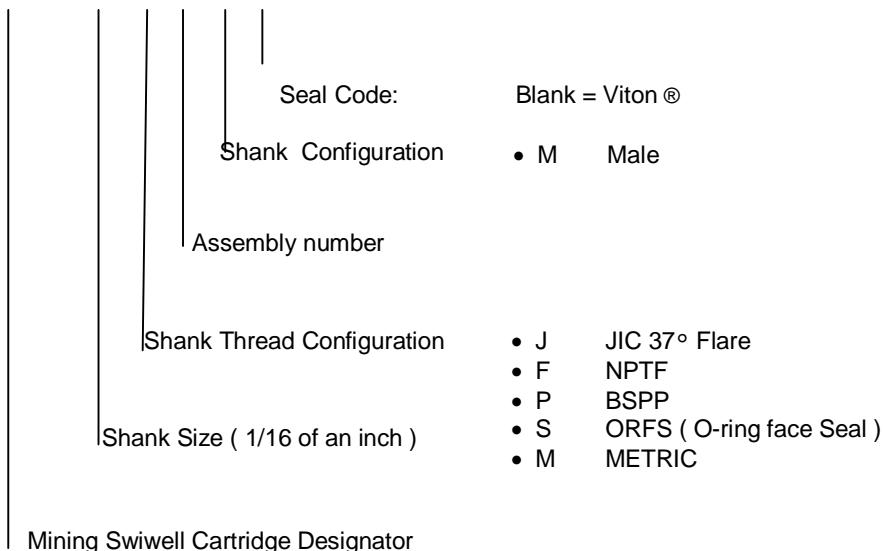
MATERIAL OPTIONS

Standard

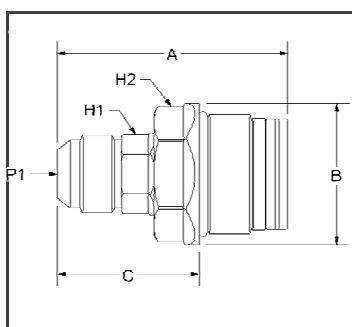
Shank, Nut	Carbon steel
Plating	NITREG® + ONC®
Seals	Viton ®

HOW TO ORDER

SZ4H – 12– J 01 M - _

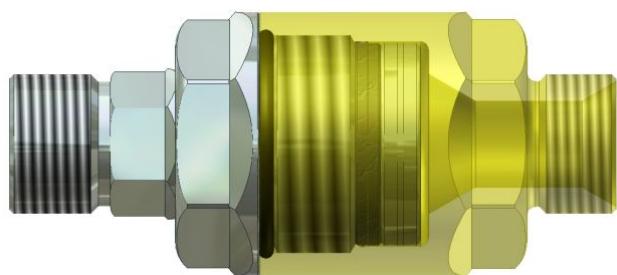


Male 37° Flare



Part no.	A	B	C	P1	H1	H2	Seal kit
SZ4H-08-J01M	2.53"	1.50"	1.56"	3/4" – 16 UNF	11/16"	1 1/4"	SZH-08-001SK-A
SZ4H-10-J01M	2.69	1.75	1.63	7/8" – 14 UNF	13/16"	1 1/2"	SZH-10-001SK-A
SZ4H-12-J01M	3.15"	2.00"	1.95"	1 1/16"- 12 UN	15/16"	1 5/8"	SZH-12-001SK-A
SZ4H-16-J01M	3.63"	2.22"	2.38"	1 5/16"- 12 UN	1 3/16"	1 7/8"	SZH-16-001SK-A
SZ4H-20-J01M	4.25"	2.75"	2.80"	1 5/8"- 12 UN	1 1/2"	2 3/8"	SZH-20-001SK-A

6. IN-LINE SWIVELS



MATERIAL OPTIONS

Shank, Nut, Housing

Plating

Seals

Standard

Carbon steel

White (Blue) Zinc

VITON®

Options

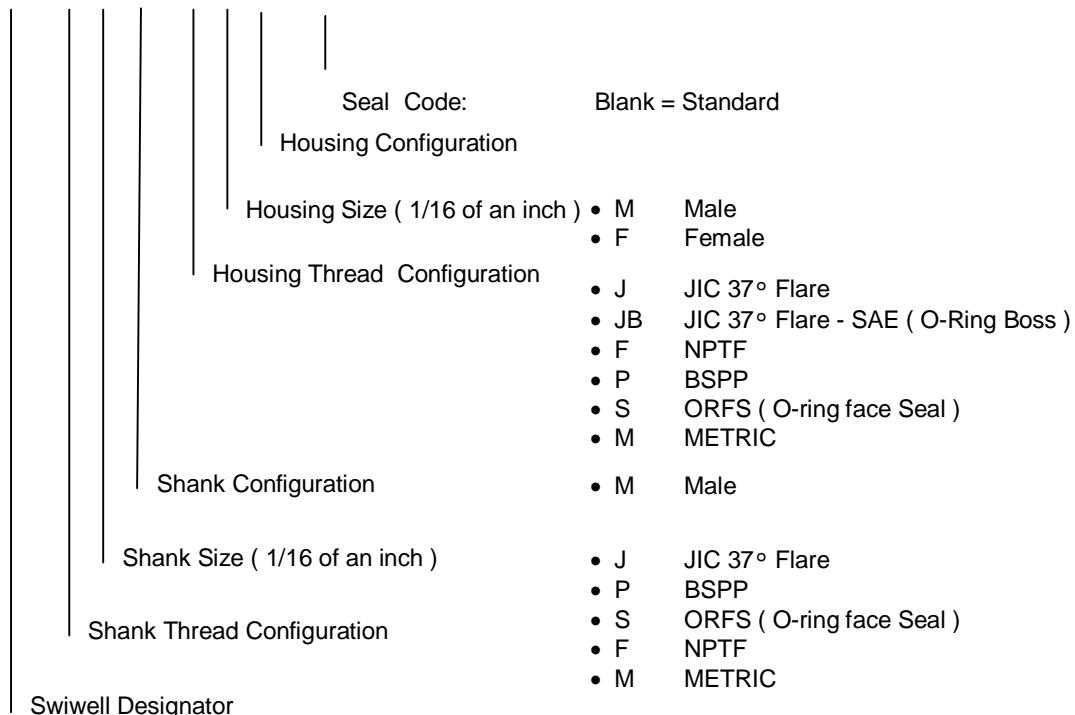
Stainless

Nickel, Arcor ®

AFLAS ®

HOW TO ORDER

SZ – J 12 M – J 12 M - _



Male 37° Flare - Male 37° Flare

Part no.	A	B	P1	P2	H1	H2	Seal kit
SZ-J06M-J06M	2.91"	1.25"	9/16" – 18 UNF	9/16" – 18 UNF	1/2"	1"	SZ-06-001SK-A
SZ-J08M-J08M	3.88"	1.50"	3/4" – 16 UNF	3/4" – 16 UNF	11/16"	1 1/4"	SZ-08-001SK-A
SZ-J12M-J12M	4.94"	2.00"	1 1/16" – 12 UN	1 1/16" – 12 UN	15/16"	1 5/8"	SZ-12-001SK-A
SZ-J16M-J16M	5.56"	2.22"	1 5/16" – 12 UN	1 5/16" – 12 UN	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ-J20M-J20M	6.06"	2.75"	1 5/8" – 12 UN	1 5/8" – 12 UN	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ-J24M-J24M	6.44"	3.00"	1 7/8" – 12 UN	1 7/8" – 12 UN	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ-J32M-J32M	7.69"	3.88"	2 1/2" – 12 UN	2 1/2" – 12 UN	2 5/16"	3 1/4"	SZ-32-001SK-A

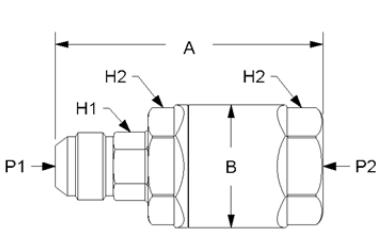
Male 37° Flare - Male O-Ring Boss (ORB)

Part no.	A	B	P1	P2	H1	H2	Seal kit
SZ-J08M-B08M	3.56"	1.50"	3/4" – 16 UNF	3/4" – 16 UNF	11/16"	1 1/4"	SZ-08-001SK-A
SZ-J12M-B12M	4.63"	2.00"	1 1/16" – 12 UN	1 1/16" – 12 UN	15/16"	1 5/8"	SZ-12-001SK-A
SZ-J16M-B16M	5.12"	2.22"	1 5/16" – 12 UN	1 5/16" – 12 UN	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ-J20M-B20M	5.44"	2.75"	1 5/8" – 12 UN	1 5/8" – 12 UN	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ-J24M-B24M	5.69"	3.00"	1 7/8" – 12 UN	1 7/8" – 12 UN	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ-J32M-B32M	6.81"	3.88"	2 1/2" – 12 UN	2 1/2" – 12 UN	2 5/16"	3 1/4"	SZ-32-001SK-A

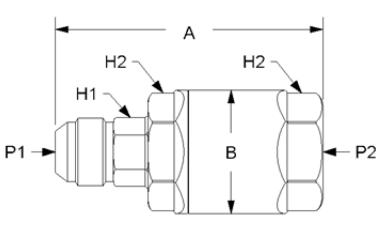
Male 37° Flare – Combo – Female 37° Flare / Female O-Ring Boss (ORB) / SAE J1926-3

Part no.	A	B	P1	P2	H1	H2	Seal kit
SZ-J08M-JB08F	3.31"	1.50"	3/4" – 16 UNF	3/4" – 16 UNF	11/16"	1 1/4"	SZ-08-001SK-A
SZ-J10M-JB10F	3.45"	1.73"	7/8" – 14 UNF	7/8" – 14 UNF	13/16"	1 1/2"	SZ-10-001SK-A
SZ-J12M-JB12F	4.12"	2.00"	1 1/16" – 12 UN	1 1/16" – 12 UN	15/16"	1 5/8"	SZ-12-001SK-A
SZ-J16M-JB16F	4.63"	2.22"	1 5/16" – 12 UN	1 5/16" – 12 UN	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ-J20M-JB20F	5.12"	2.75"	1 5/8" – 12 UN	1 5/8" – 12 UN	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ-J24M-JB24F	5.34"	3.00"	1 7/8" – 12 UN	1 7/8" – 12 UN	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ-J32M-JB32F	6.50"	3.88"	2 1/2" – 12 UN	2 1/2" – 12 UN	2 5/16"	3 1/4"	SZ-32-001SK-A

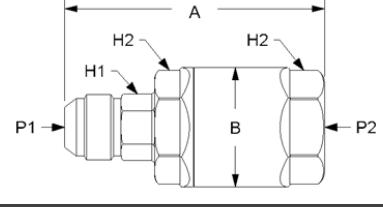
Male 37° Flare – Female O-Ring Boss (ORB) / SAE J1926-2

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-J08M-B08F	3.31"	1.50"	3/4"- 16 UNF	3/4"- 16 UNF	11/16"	1 1/4"	SZ-08-001SK-A
	SZ-J12M-B12F	4.12"	2.00"	1 1/16"- 12 UN	1 1/16"- 12 UN	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-J16M-B16F	4.63"	2.22"	1 5/16"- 12 UN	1 5/16"- 12 UN	1 3/16"	1 7/8"	SZ-16-001SK-A
	SZ-J20M-B20F	5.12"	2.75"	1 5/8"- 12 UN	1 5/8"- 12 UN	1 1/2"	2 3/8"	SZ-20-001SK-A
	SZ-J24M-B24F	5.34"	3.00"	1 7/8"- 12 UN	1 7/8"- 12 UN	1 3/4"	2 1/2"	SZ-24-001SK-A
	SZ-J32M-B32F	6.50"	3.88"	2 1/2"- 12 UN	2 1/2"- 12 UN	2 5/16"	3 1/4"	SZ-32-001SK-A

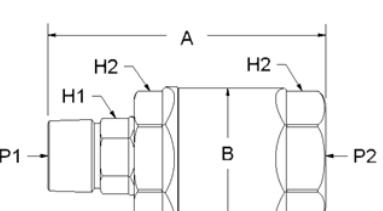
Male 37° Flare – Female Pipe

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-J08M-F08F	3.31"	1.50"	3/4"- 16 UNF	1/2" NPTF	11/16"	1 1/4"	SZ-08-001SK-A
	SZ-J12M-F12F	4.19"	2.00"	1 1/16"- 12 UN	3/4" NPTF	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-J16M-F16F	4.88"	2.22"	1 5/16"- 12 UN	1" NPTF	1 3/16"	1 7/8"	SZ-16-001SK-A
	SZ-J20M-F20F	5.37"	2.75"	1 5/8"- 12 UN	1 1/4" NPTF	1 1/2"	2 3/8"	SZ-20-001SK-A
	SZ-J24M-F24F	5.62"	3.00"	1 7/8"- 12 UN	1 1/2" NPTF	1 3/4"	2 1/2"	SZ-24-001SK-A
	SZ-J32M-F32F	6.65"	3.88"	2 1/2"- 12 UN	2" NPTF	2 5/16"	3 1/4"	SZ-32-001SK-A

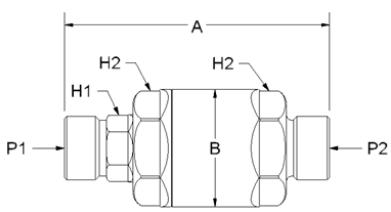
Male 37° Flare – Female BSPP

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-J12M-P12F	3.88"	2.00"	1 1/16"- 12 UN	G 3/4	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-J16M-P16F	4.38"	2.22"	1 5/16"- 12 UN	G 1	1 3/16"	1 7/8"	SZ-16-001SK-A
	SZ-J20M-P20F	4.81"	2.75"	1 5/8"- 12 UN	G1 1/4	1 1/2"	2 3/8"	SZ-20-001SK-A

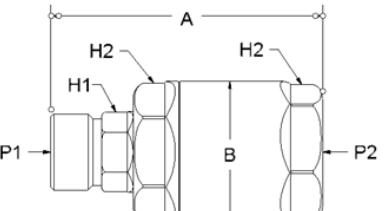
Male Pipe – Female Pipe

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-F08M-F08F	3.00"	1.53"	1/2" NPTF	1/2" NPTF	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-F12M-F12F	3.88"	2.00"	3/4" NPTF	3/4" NPTF	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-F16M-F16F	4.12"	2.22"	1" NPTF	1" NPTF	1 3/16"	1 7/8"	SZ-16-001SK-A
	SZ-F20M-F20F	4.88"	2.75"	1 1/4" NPTF	1 1/4" NPTF	1 1/2"	2 3/8"	SZ-20-001SK-A
	SZ-F24M-F24F	5.06"	3.00"	1 1/2" NPTF	1 1/2" NPTF	1 3/4"	2 1/2"	SZ-24-001SK-A
	SZ-F32M-F32F	5.75"	3.88"	2" NPTF	2" NPTF	2 5/16"	3 1/4"	SZ-32-001SK-A

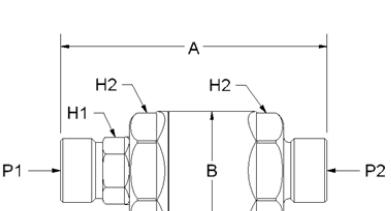
Male BSPP – Male BSPP

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-P08M-P08M	3.44"	1.53"	G 1/2	G 1/2	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-P12M-P12M	4.52"	2.00"	G 3/4	G 3/4	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-P16M-P16M	5.06"	2.22"	G 1	G 1	1 3/16"	1 7/8"	SZ-16-001SK-A
	SZ-P20M-P20M	5.25"	2.75"	G 1 1/4	G 1 1/4	1 1/2"	2 3/8"	SZ-20-001SK-A

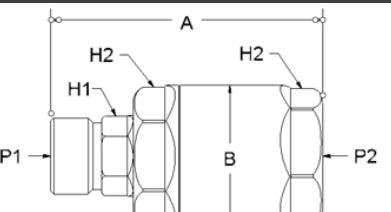
Male BSPP – Female BSPP

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-P08M-P08F	2.94"	1.53"	G 1/2	G 1/2	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-P12M-P12F	3.81"	2.00"	G 3/4	G 3/4	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-P16M-P16F	4.31"	2.22"	G 1	G 1	1 3/16"	1 7/8"	SZ-16-001SK-A
	SZ-P20M-P20F	4.50"	2.75"	G 1 1/4	G 1 1/4	1 1/2"	2 3/8"	SZ-20-001SK-A

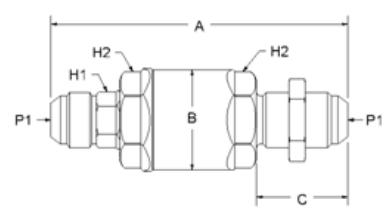
Male ORFS – Male ORFS

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-S06M-S06M	2.77"	1.35"	11/16" – 16 UNF	11/16" – 16 UNF	5/8"	1 1/8"	SZ-06-002SK-A
	SZ-S08M-S08M	3.50"	1.53"	13/16" – 16 UNF	13/16" – 16 UNF	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-S10M-S10M	3.79"	1.86"	1" – 14 UNS	1" – 14 UNS	15/16"	1 5/8"	SZ-10-002SK-A
	SZ-S12M-S12M	4.52"	2.09"	1 3/16" – 12 UN	1 3/16" – 12 UN	1 1/16"	1 3/4"	SZ-12-002SK-A
	SZ-S16M-S16M	5.12"	2.31"	1 7/16" – 12 UN	1 7/16" – 12 UN	1 5/16"	2"	SZ-16-002SK-A
	SZ-S20M-S20M	5.46"	2.75"	1 11/16" – 12 UN	1 11/16" – 12 UN	1 9/16"	2 3/8"	SZ-20-002SK-A

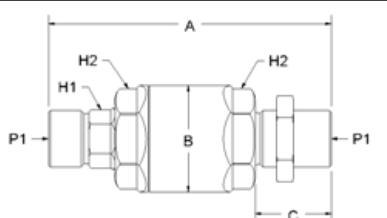
Male ORFS – Female ORFS

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-S08M-S08F	3.00"	1.53"	13/16" – 16 UNF	13/16" – 16 UNF	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-S12M-S12F	3.86"	2.09"	1 3/16" – 12 UN	1 3/16" – 12 UN	1 1/16"	1 3/4"	SZ-12-002SK-A
	SZ-S16M-S16F	4.38"	2.31"	1 7/16" – 12 UN	1 7/16" – 12 UN	1 5/16"	2"	SZ-16-002SK-A
	SZ-S20M-S20F	4.68"	2.75"	1 11/16" – 12 UN	1 11/16" – 12 UN	1 9/16"	2 3/8"	SZ-20-002SK-A

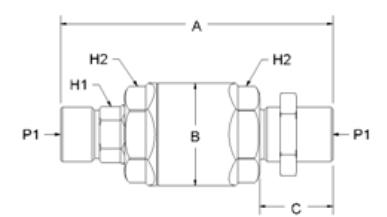
Male 37° Flare – Male 37° Flare Bulkhead

	Part no.	A	B	C	P1	H1	H2	Seal kit
	SZ-J08M-J08MB	4.63"	1.50"	1.50"	3/4" - 16 UNF	11/16"	1 1/4"	SZ-08-001SK-A
	SZ-J12M-J12MB	5.69"	2.00"	1.75"	1 1/16" - 12 UN	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-J16M-J16MB	6.31"	2.22"	1.88"	1 5/16" - 12 UN	1 3/16"	1 7/8"	SZ-16-001SK-A

Male BSPP – Male BSPP Bulkhead

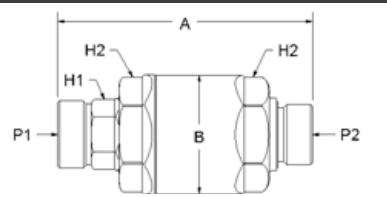
	Part no.	A	B	C	P1	H1	H2	Seal kit
	SZ-P08M-P08MB	4.25"	1.53"	1.31"	G 1/2	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-P12M-P12MB	5.25"	2.00"	1.41"	G 3/4	15/16"	1 5/8"	SZ-12-001SK-A
	SZ-P16M-P16MB	5.88"	2.22"	1.56"	G 1	1 3/16"	1 7/8"	SZ-16-001SK-A

Male BSPP – Male BSPP Bulkhead

	Part no.	A	B	C	P1	H1	H2	Seal kit
	SZ-S08M-S08MB	4.25"	1.53"	1.31"	13/16" - 12 UNF	3/4"	1 5/16"	SZ-08-002SK-A
	SZ-S12M-S12MB	5.25"	2.09"	1.41"	1 3/16" - 12 UN	1 1/16"	1 3/4"	SZ-12-002SK-A
	SZ-S16M-S16MB	5.88"	2.31"	1.56"	1 7/16" - 12 UN	1 5/16"	2"	SZ-16-002SK-A

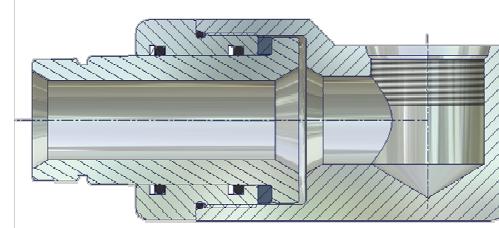
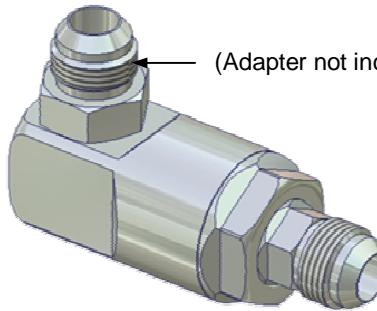
Male Metric – Male Metric (DIN 3852)

Male Metric – Male Metric Bulkhead (DIN 3852)

	Part no.	A	B	P1	P2	H1	H2	Seal kit
	SZ-M30M-M27M	4.45"	2.09"	M30 X 2.0	M27 X 2.0	1 1/16"	1 3/4"	SZ-12-002SK-A
	SZ-M30M-M30MB	5.25"	2.09"	M30 X 2.0	M30 X 2.0	1 1/16"	1 3/4"	SZ-12-002SK-A

Other sizes and configurations available upon request

7. 90° SWIVELS



MATERIAL OPTIONS

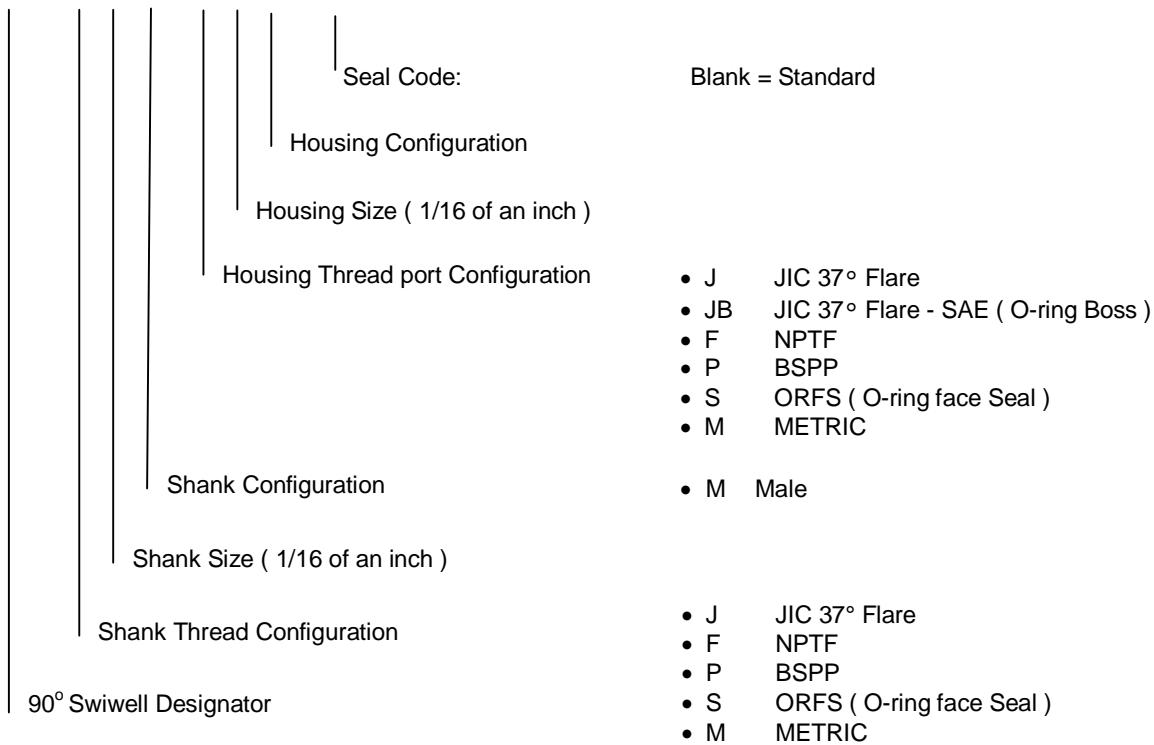
	Standard
Shank, Nut, Housing	Carbon steel
Plating	White (Blue) Zinc
Seals	VITON ®

Options

Stainless
Nickel, Arcor ®
VITON ® , AFLAS ®

HOW TO ORDER

SZ90 – J 12 M – B 12 F - _



Male 37° Flare - Female O-Ring Boss (ORB)

Part no.	A	B	C	P1	H1	H2	Seal kit
SZ90-J06M-B06F	2.50"	1.25"	9/16" – 18 UNF	SAE 06	1/2"	1"	SZ-06-001SK-A
SZ90-J08M-B08F	3.34"	1.50"	3/4" – 16 UNF	SAE 08	11/16"	1 1/4"	SZ-08-001SK-A
SZ90-J12M-B12F	4.26"	2.00"	1 1/16" – 12 UN	SAE 12	15/16"	1 5/8"	SZ-12-001SK-A
SZ90-J16M-B16F	4.91"	2.22"	1 5/16" – 12 UN	SAE 16	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ90-J20M-B20F	5.71"	2.75"	1 5/8" – 12 UN	SAE 20	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ90-J24M-B24F	6.18"	2.97"	1 7/8" – 12 UN	SAE 24	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ90-J32M-B32F	7.59"	3.89"	2 1/2" – 12 UN	SAE 32	2 5/16"	3 1/4"	SZ-32-001SK-A

Male Pipe - Female O-Ring Boss (ORB)

Part no.	A	B	C	P1	H1	H2	Seal kit
SZ90-F08M-B08F	3.19"	1.50"	1/2" NPTF	SAE 08	3/4"	1 5/16"	SZ-08-002SK-A
SZ90-F12M-B12F	4.17"	2.00"	3/4" NPTF	SAE 12	15/16"	1 5/8"	SZ-12-001SK-A
SZ90-F16M-B16F	4.60"	2.22"	1" NPTF	SAE 16	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ90-F20M-B20F	5.38"	2.75"	1 1/4" NPTF	SAE 20	1 1/2"	2 3/8"	SZ-20-001SK-A
SZ90-F24M-B24F	5.80"	2.97"	1 1/2" NPTF	SAE 24	1 3/4"	2 1/2"	SZ-24-001SK-A
SZ90-F32M-B32F	7.09"	3.89"	2" NPTF	SAE 32	2 5/16"	3 1/4"	SZ-32-001SK-A

Male ORFS – Female O-Ring Boss (ORB)

Part no.	A	B	C	P1	H1	H2	Seal kit
SZ90-P08M-B08F	3.22"	1.50"	G 1/2	SAE 08	3/4"	1 5/16"	SZ-08-002SK-A
SZ90-P12M-B12F	4.20"	2.00"	G 3/4	SAE 12	15/16"	1 5/8"	SZ-12-001SK-A
SZ90-P16M-B16F	4.84"	2.22"	G 1	SAE 16	1 3/16"	1 7/8"	SZ-16-001SK-A
SZ90-P20M-B20F	5.44"	2.75"	G 1 1/4	SAE 20	1 1/2"	2 3/8"	SZ-20-001SK-A

Male ORFS – Female O-Ring Boss (ORB)

Part no.	A	B	C	P1	H1	H2	Seal kit
SZ90-S08M-B08F	3.22"	1.53"	13/16" – 16 UNF	SAE 08	3/4"	1 5/16"	SZ-08-002SK-A
SZ90-S12M-B12F	4.20"	2.09"	1 3/16" – 12 UN	SAE 12	1 1/16"	1 3/4"	SZ-12-002SK-A
SZ90-S16M-B16F	4.84"	2.31"	1 7/16" – 12 UN	SAE 16	1 5/16"	2"	SZ-16-002SK-A
SZ90-S20M-B20F	5.44"	2.75"	1 11/16" – 12 UN	SAE 20	1 1/2"	2 3/8"	SZ-20-002SK-A

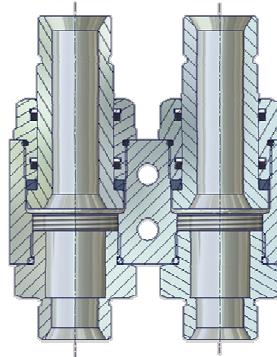
Other sizes and configurations available upon request

8. DUAL SWIVEL MANIFOLD / "A" Series

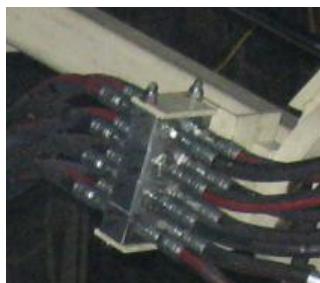


Possibilities of assembly

- Bolting
- Welding



The Dual Swivel Manifolds house two swivel cartridges. They are designed to be bolted or welded together. As with our cartridges and in-line swivels, the operational pressure is up to 6000 PSI for sizes 06 to 16. They are used in multiple applications where hoses are wearing fast or loosening due to torsion or hammering effect. Fittings of 90° or 45° can be installed on both the swivel and static side of the manifold. These manifolds can also house Mining Swiwell Cartridges.



MATERIAL OPTIONS

Shank, Nut, Manifold

Standard

Carbon steel

Options

Stainless

Plating

White (Blue) Zinc

Nickel, Arcor ®

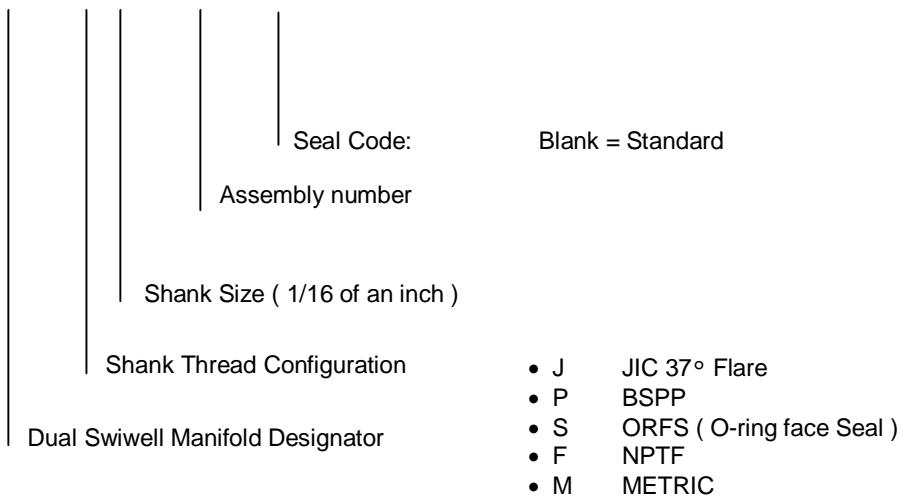
Seals

VITON ®

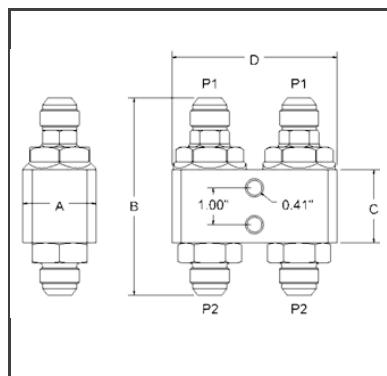
AFLAS ®

HOW TO ORDER

SM2A – J 12 – 501 - _

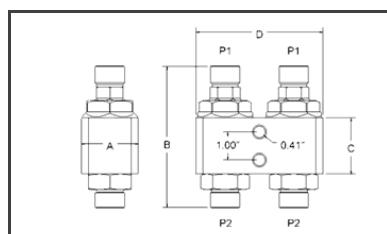


Dual / Male 37° Flare - Male 37° Flare



Part no.	A	B	C	D	P1	P2	Seal kit
SM2A-J06-503	1.5"	3.40"	1.5"	3.50"	9/16" – 18 UNF	9/16" – 18 UNF	SZ-06-001SK-A
SM2A-J08-501	1.63"	4.45"	1.63"	3.69"	3/4" – 16 UNF	3/4" – 16 UNF	SZ-08-001SK-A
SM2A-J10-501	1.88"	4.60"	1.88"	4.50"	7/8" – 14 UNF	7/8" – 14 UNF	SZ-10-001SK-A
SM2A-J12-501	2.00"	5.35"	2.00"	4.50"	1 1/16"- 12 UN	1 1/16"- 12 UN	SZ-12-001SK-A
SM2A-J16-501	2.25"	6.31"	2.25"	5.00"	1 5/16"- 12 UN	1 5/16"- 12 UN	SZ-16-001SK-A
SM2A-J1612-501	2.25"	6.31"	2.25"	5.00"	1 5/16"- 12 UN	1 1/16"- 12 UN	SZ-16-001SK-A SZ-12-001SK-A
SM2A-J20-501	2.75"	7.13"	2.75"	6.12"	1 5/8"- 12 UN	1 5/8"- 12 UN	SZ-20-001SK-A

Dual / Male 37° Flare – Male ORFS



Part no.	A	B	C	D	P1	P2	Seal kit
SM2A-JS16-501	2.50"	6.19"	2.50"	5.38"	1 5/16"- 12 UN 1 7/6"- 12 UN	1 5/16"- 12 UN 1 7/6"- 12 UN	SZ-16-001SK-A SZ-16-002SK-A
SM2A-J20S16-501	2.75"	6.84"	2.75"	6.13"	1 5/8"- 12 UN 1 7/16"- 12 UN	1 5/8"- 12 UN 1 7/16"- 12 UN	SZ-20-001SK-A SZ-16-002SK-A

Dual / Male Pipe (NPTF) – Male Pipe (NPTF)

Part no.	A	B	C	D	P1	P2	Seal kit
SM2A-F08-501	1.63"	4.10"	1.63"	3.69"	1/2" NPTF	1/2" NPTF	SZ-08-002SK-A
SM2A-F12-501	2.00"	5.05"	2.00"	4.50"	3/4" NPTF	3/4" NPTF	SZ-12-001SK-A
SM2A-F16-501	2.25"	5.59"	2.25"	5.00"	1" NPTF	1" NPTF	SZ-16-001SK-A
SM2A-F20-501	2.75"	6.42"	2.75"	6.12"	1 1/4" NPTF	1 1/4" NPTF	SZ-20-001SK-A

Dual / Male BSPP – Male BSPP

Part no.	A	B	C	D	P1	P2	Seal kit
SM2A-P08-501	1.63"	4.08"	1.63"	3.69"	G 1/2	G 1/2	SZ-08-002SK-A
SM2A-P12-501	2.00"	5.14"	2.00"	4.50"	G 3/4	G 3/4	SZ-12-001SK-A
SM2A-P16-501	2.25"	5.86"	2.25"	5.00"	G 1	G 1	SZ-16-001SK-A
SM2A-P20-501	2.75"	6.42"	2.75"	6.12"	G 1 1/4	G 1 1/4	SZ-20-001SK-A

Dual / Male ORFS – Male ORFS

Part no.	A	B	C	D	P1	P2	Seal kit
SM2A-S08-501	1.63"	4.04"	1.63"	3.69"	13/16" – 16 UNF	13/16" – 16 UNF	SZ-08-002SK-A
SM2A-S12-501	2.25"	5.25"	2.25"	4.75"	1 3/16"- 12 UN	1 3/16"- 12 UN	SZ-12-002SK-A
SM2A-S16-501	2.50"	5.97"	2.50"	5.38"	1 7/16"- 12 UN	1 7/16"- 12 UN	SZ-16-002SK-A
SM2A-S20-501	2.75"	6.35"	5.56"	6.12"	1 11/16"- 12 UN	1 11/16"- 12 UN	SZ-20-002SK-A

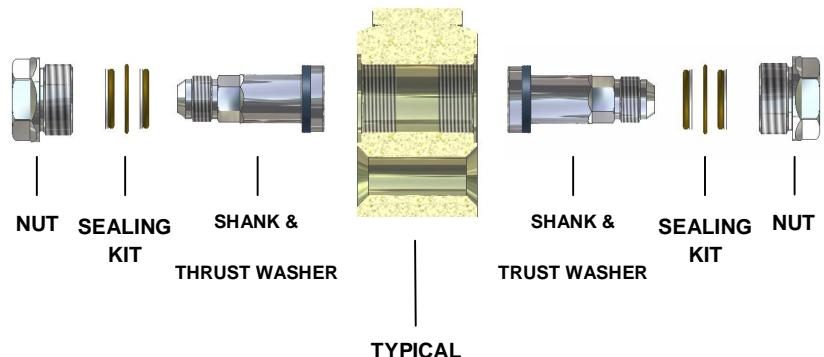
Other sizes and configurations available upon request



9. HARVESTER CUSTOM PRODUCTS

Taimi Hydraulics manufactures a wide array of swivel manifolds to retrofit most harvester heads on the market. Our products are designed to replace the original static manifold or hydraulic junction block to increase hydraulic reliability, as well as production, reduce downtime, improve safety and reduce oil consumption.

9.1 SWIROLL – CIRCULAR & SPHERICAL HYDRAULIC JOINTS

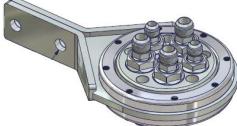
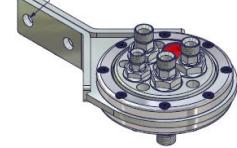
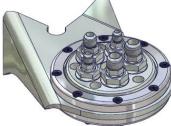
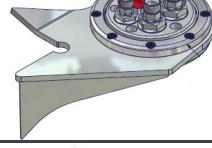
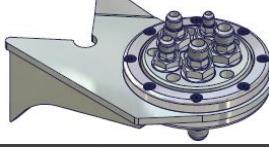
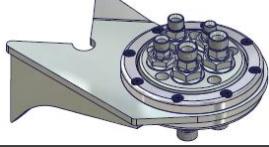


MATERIAL OPTIONS

	Standard
Shank , Nut	Carbon steel
Plating	White (Blue) Zinc
Seals	Viton ®



9.1.1 SWIROLLS FOR LOGMAX HARVESTER HEADS

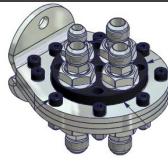
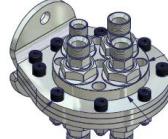
	Part no.	A	B	C	Ports	Weight	Online Video
	SR5-JJ-503	9.66"	7.63"	13.25"	3 X JIC 16 2 X JIC 12	51.5 Lbs	http://tinyurl.com/bm7k6ua
	SR5-PP-504	9.66"	7.10"	18.88"	3 X BSPP 16 1 X BSPP 12	49.7 Lbs	http://tinyurl.com/bm7k6ua
	SR5-JJ-503F	9.66"	7.63"	18.88"	2 X JIC 16 1 X JIC 12 2 X JIC 08	52.3 Lbs	(Live in the forest) http://tinyurl.com/79e6xzk
	SR4S-PP-502	9.66"	7.10"	18.88"	2 X BSPP 16 2 X BSPP 12	49.4 Lbs	(Live in the forest) http://tinyurl.com/79e6xzk
	SR5-JJ-505K	9.66"	7.63"	18.88"	2 X JIC 16 2 X JIC 12 1 X JIC 08	52.8 Lbs	(Live in the forest) http://tinyurl.com/79e6xzk
	SR5-PP-505K	9.66"	7.10"	18.88"	2 X BSPP 16 2 X BSPP 12 1 X BSPP 08	52.5 Lbs	(Live in the forest) http://tinyurl.com/79e6xzk



9.1.2 SWIROLLS FOR WARATAH HARVESTER HEADS

	Part no.	A	B	C	Ports	Weight	Online Video
	SR4TS-JJ-501	9.66"	7.63"	13.25"	2 X JIC 16 2 X JIC 12 2 X JIC 06 (static)	62.2 Lbs	(Picture) http://tinyurl.com/7cqabgo
	SR5-JJ-502	9.66"	8.02"	10.33"	1 X JIC 20 1 X JIC 16 2 X JIC 12 1 X JIC 06	47 Lbs	Will Fit Waratah 600 Series
	SR5-W6-502	9.66"	8.02"	10.33"	1 X JIC 20 1 X ORFS 16 2 X JIC 12 1 X JIC 06	47 Lbs	Will Fit Waratah 600 Series

9.1.3 SWIROLLS FOR OTHER HARVESTER HEADS

	Part no.	A	B	C	Ports	Weight	Online Video
	SR5-JJ-501	9.66"	7.63"	13.25"	3 X JIC 16 2 X JIC 12	62.2 Lbs	http://tinyurl.com/7tadmrw http://tinyurl.com/7bpusqb
	SR4-JJ-501	8.00"	7.63"	8.88"	3 X JIC 16 1 X JIC 12	24.6 Lbs	
	SR4-PP-501	8.00"	7.63"	8.88"	3 X BSPP 16 1 X BSPP 12	24.6 Lbs	Various applications (heads or booms)

Other sizes and configurations available upon request.

9.2 SWIWELL MANIFOLDS



MATERIALS OF CONSTRUCTION

Shank, Nut, Manifold

Standard

Carbon steel

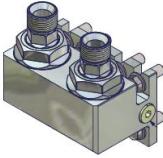
Plating

White (Blue) Zinc

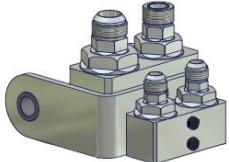
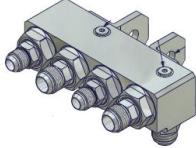
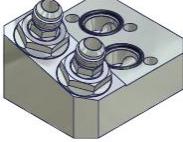
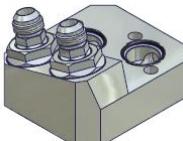
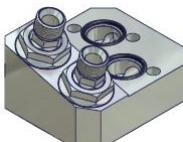
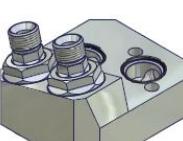
Seals

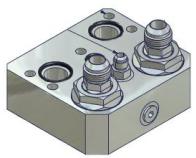
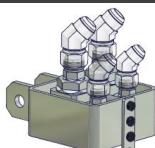
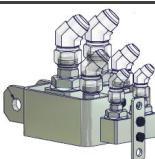
VITON ®

9.2.1 MANIFOLDS FOR LOGMAX HARVESTER HEADS

	Part no.	Reference	A	B	C	Ports	Weight
	SM2L-P08-501	Designed to fit Parker V12-60 feed roller motors	4.44"	2.91"	1.69"	2 X BSPP 08	5.5 Lbs
	SM2L-P12-501	Designed to fit Parker V12-60 feed roller motors	4.63"	4.86"	3"	2 X BSPP 12	7.3 Lbs

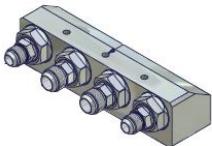
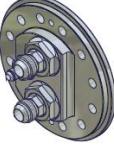
9.2.2 MANIFOLDS FOR WARATAH HARVESTER HEADS

	Part no.	Reference	A	B	C	Ports	Weight
	SM2A-W6-514	Designed to fit Waratah 600 series main coupler (replace circular plate)	8 5/8"	7"	6 5/16"	1 X JIC 20 1 X ORFS 16 2 X JIC 12	25.1 Lbs
	SM2A-W6-501	Designed to fit Waratah 600 series main coupler (replace circular plate)	6 3/4"	5 7/16"	8 7/16"	2 X JIC 16 2 X JIC 12	20.7 Lbs
	SM2A-W6-504	Designed to fit Waratah 600 series main coupler (replace circular plate)	6 3/4"	5 1/2"	8 7/16"	1 X ORFS 16 1 X JIC 16 2 X JIC 12	23 Lbs
	SM4WH-J16-501	Designed to fit Waratah 400 series main coupler (replace junction hydraulic bloc)	9.50"	2.75"	2.75"	4 X JIC 16	20.5 Lbs
	SM2D-J12WL-501 See online video: http://tinyurl.com/7bok3fq	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	2.75"	2 X JIC 12	10.4 Lbs
	SM2D-J12WR-501 See online video: http://tinyurl.com/7bok3fq	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	2.75"	2 X JIC 12	10.4 Lbs
	SM2D-P12WL-501 See online video: http://tinyurl.com/7bok3fq	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	2.75"	2 X BSPP 12	10.4 Lbs
	SM2D-P12WR-501 See online video: http://tinyurl.com/7bok3fq	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	2.75"	2 X BSPP 12	10.4 Lbs

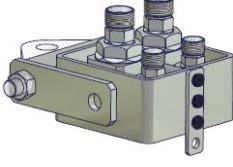
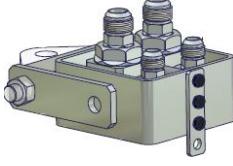
	Part no.	Reference	A	B	C	Ports	Weight
	SM2D-J12P-501 See online video: http://tinyurl.com/7bok3fg	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	1.88"	2 X JIC 12	10.4 Lbs
	SM2D-P12P-501 See online video: http://tinyurl.com/7bok3fg	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	1.88"	2 X BSPP 12	10.4 Lbs
	SM3D-J12W-501	Designed to fit Sauer Danfoss TMTW-500 feed roller motors	5.69"	5.31"	1.88"	2 X JIC 12 1 X JIC 06 (static)	13.5 Lbs
	SM3D-P12W-501	Designed to fit Sauer Danfoss TMTW-500 feed roller motors	5.69"	5.31"	1.88"	2 X BSPP 12 1 X BSPP 06 (static)	13.5 Lbs
	SM2A-W6-506 See online video http://tinyurl.com/6vbqzj5	Designed to fit Waratah 260 series main coupler	6 3/4"	5 7/16"	8 7/16"	2 X JIC 16 2 X JIC 12	20.7 Lbs
	SM2A-W270-501	Designed to fit Waratah 270 series main coupler	6"	5 3/8"	10 5/8"	2 X JIC 16 2 X JIC 12 2 X JIC 08	22.5 Lbs

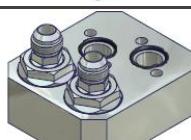
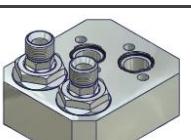


9.2.3 MANIFOLDS FOR VALMET-KOMATSU HARVESTER HEADS

	Part no.	Reference	A	B	C	Ports	Weight
	SM4VH-J16-501 See online video: http://tinyurl.com/6vb5kgh	Designed to fit Valmet-Komatsu 360-370 series main coupler	11.75"	3.00"	3.00"	2 X JIC 16 2 X JIC 12	26.8 Lbs
	SM3S-1206V-501	Designed to fit Sampo BBC 01 feed roller motors	7.25"	7.25"	1.15"	2 X JIC 12 1 X JIC 06	6.7 Lbs
	SM4S-1206V-502	Designed to fit Sampo BBC 02 feed roller motors	8.26"	8.26"	1.15"	2 X JIC 12 2 X JIC 06	10 Lbs

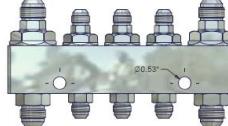
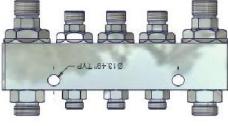
9.2.4 MANIFOLDS FOR PONSSE HARVESTER HEADS

	Part no.	Reference	A	B	C	Ports	Weight
	SM2A-PH-501 See online video: http://tinyurl.com/6vx6kpz	Designed to fit Ponsse H5-H6-H7 and H8 series main coupler	6 3/4"	5 3/8"	8 7/16"	2 X BSPP16 2 X BSPP 12	22.3 Lbs
	SM2A-PH-502 See online video: http://tinyurl.com/6vx6kpz	Designed to fit Ponsse H5-H6-H7 and H8 series main coupler	6 3/4"	5 3/8"	8 7/16"	2 X JIC 16 2 X JIC 12	22.3 Lbs
	SM2D-J12P-501 See online video: http://tinyurl.com/7bok3fq	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	1.88"	2 X JIC 12	10.4 Lbs

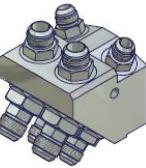
	Part no.	Reference	A	B	C	Ports	Weight
	SM2D-P12P-501 See online video: http://tinyurl.com/7bok3fq	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	5.60"	4.75"	1.88"	2 X BSPP 12	10.4
	SM2D-J12PR-502	Designed to fit Sauer Danfoss 630-800 Series feed roller motors	6.00"	5.00"	3.44"	2 X JIC 12	19.9 Lbs
	SM2D-P12PR-502	Sauer Danfoss 630-800 series	6.00"	5.00"	3.44"	2 X BSPP 12	19.9 Lbs
	SM2D-J12PL-502	Sauer Danfoss 630-800 series	6.00"	5.00"	3.44"	2 X JIC 12	19.9 Lbs
	SM2D-P12PL-502	Sauer Danfoss 630-800 series	6.00"	5.00"	3.44"	2 X BSPP 12	19.9 Lbs
	SM2D-J12P-504	Sauer Danfoss OMT-400 series	5.60"	4.75"	1.88"	2 X JIC 12	12 Lbs
	SM2D-P12P-504	Sauer Danfoss OMT-400 series	5.60"	4.75"	1.88"	2 X BSPP 12	12 Lbs



9.2.5 MANIFOLDS FOR FORWARDERS

	Part no.	Reference	A	B	C	Ports	Weight
	SM5F-J1208-501	Main coupler	9.63"	2.00"	2.00"	2 X JIC 12 3 X JIC 08	12.3 Lbs
	SM5F-J1208-502	Main coupler	9.63"	2.00"	2.00"	3 X JIC 12 2 X JIC 08	12.7 Lbs
	SM5F-P1208-501	Main coupler	9.63"	2.00"	2.00"	2 X BSPP 12 3 X BSPP 08	12.3 Lbs
	SM5F-P1208-502	Main coupler	9.63"	2.00"	2.00"	3 X BSPP 12 3 X BSPP 08	12.7 Lbs

9.2.6 MANIFOLDS FOR HARVESTER CRANES “45° Back Nose”

	Part no.	Reference	A	B	C	Ports	Weight
	SM4C-J1216-501	Main coupler	5.00"	5.00"	4.44"	2 X JIC 12 2 X JIC 16	23.1 Lbs
	SM4C-P1216-501	Main coupler	5.00"	5.00"	4.44"	2 X BSPP 12 2 X BSPP 16	23.1 Lbs

10. MINING JUMBOS AND BOLTERS CUSTOM PRODUCTS

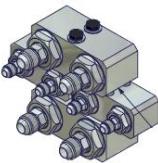
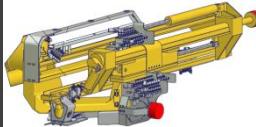
Custom manifolds for underground mining equipment house Mining Swiwell Cartridges made especially for the highly abrasive environment. They are designed to fit mining jumbos and bolters.

10.1.1 MANIFOLDS FOR MINING JUMBOS

	Part no.	Reference	A	B	C	Ports	Weight
	SM8T-J501S	Tensioner for Atlas Copco jumbo	18.42"	11.89"	15.98"	2 X JIC 08 6 X JIC 12 4 X JIC 08 (non tensioning)	141 Lbs
	SM8T-J502C	Pulley with individual grooves for each hose for Atlas Copco jumbo	8 1/2"	8 1/2"	11 1/2"	N/A	29 Lbs
	SM6T-J501S See online video: http://tinyurl.com/7cxdh4l	Tensioner for Sandvik jumbo	16"	8 7/8"	15 3/8"	1 X JIC 08 2 X JIC 10 3 X JIC 12	96 Lbs



10.1.2 MANIFOLDS FOR BOLTERS

	Part no.	Reference	A	B	C	Ports	Weight
	SM2A-S310-501	Sandvik DS 310 bolters at the carroussel	7 3/8"	3 1/2"	5 1/4"	4 X JIC 06 4 X JIC 10	13 Lbs
	SM2A-S310-502	Sandvik DS 310 bolters at the carroussel	4 1/2"	3 1/2"	3 3/8"	2 X JIC 06 2 X JIC 10	6.6 Lbs
	MEM-946-501	Hydraulic kit for MacLean bolters					

11. STRAP-WRAP

The use of plastic spiral wrap for protecting hydraulic hoses from abrasion and external damage is very common on mobile equipment. Plastic spiral wrap is often submitted to extreme conditions. Plastic can extend, loosen and slide down the group of hoses. Challenging conditions such as extreme cold can lead plastic spiral wrap to break.

Recognizing the strengths and weaknesses of spiral wrap, Taimi Hydraulics developed and patented the Strap-Wrap™; an innovative way to group and support groups of hoses. Made out of flexible webbing reinforced with kevlar, Strap-Wrap™ allows for the following benefits:

1. Groups and protects hoses against stretching and tearing
2. Can be solidly attached at both ends and will not shift during operation
3. The Double Strap allows for attachment of hose group at several points along the line, facilitating best possible routing
4. Resistant material, with little to no sensitivity to temperature variations
5. Excellent visibility in underground mines and at night
6. Can group as many hoses as are needed
7. Flexible and easy to install

Strap-Wrap™ works well on longer hose groups, taking the load off of the press fittings.

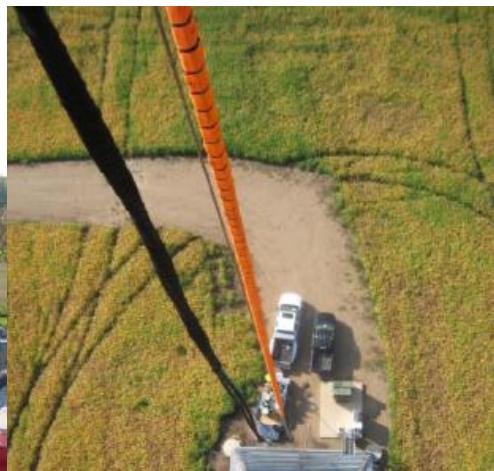
Applications: Wind Mills, Construction, Forestry and Mining



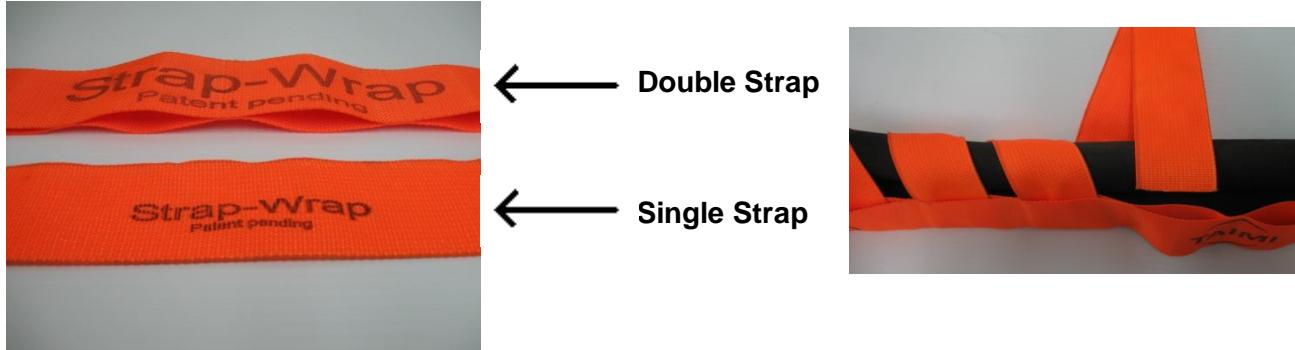
Group and protect hoses on pile driver against stretching and tearing.



Group and protect hoses against stretching and tearing when servicing wind turbine. Fittings don't need to support the weight of hoses and will not pull out.



Taimi's Strap-Wrap™ product consists of the Single and the Double strap. The Double Strap is used as the main support strap, while the Single Strap is woven into the Double Strap and rolls around the hose group.



MATERIAL	Polyester/ kevlar
-----------------	-------------------

HOW TO ORDER

SW2 – 25 – 001

			Lenght (feet)
			Width (1/10 inch) – Available in 2,5 inch width

Strap-Wrap – Identifier (SW1: Single Strap, SW2: Double Strap)



12. SEAL KIT REPLACEMENT

1- Read the safety precautions (p. 1) before going any further!

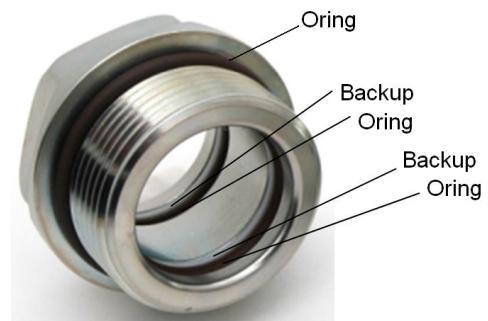
2- Relieve pressure before dismanteling hydraulic lines

3- Clean work space Parts, tools, hands, clothing

4- Remove nut Pneumatic gun and vice recommended

5- Remove seal kit Remove debris & clean grooves

6- Install new seal kit See picture



7- Assemble cartridge



8- Tightening Respect recommended torque

Over-tightening may result in swivel failure

Under-tightening may result in swivel dismantling

SWIWELL CARTRIDGE TORQUE		
Sizes	Ft-lbs	Nm
06	200	270 Nm
08	270	365 Nm
10	300	405 Nm
12	350	475 Nm
16	400	540 Nm
20	500	675 Nm
24	550	745 Nm
32	650	880 Nm
<i>- Dry torque - Lubricate external o-ring</i>		



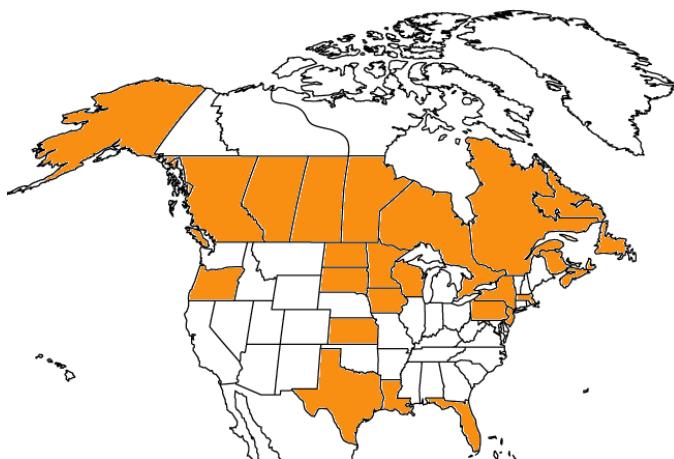
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Swivel failure or dismantling during operation can cause fluid to escape. Escaping fluid under pressure can penetrate skin causing serious injury or death. Always wear safety equipment before approaching hydraulic equipment under pressure.

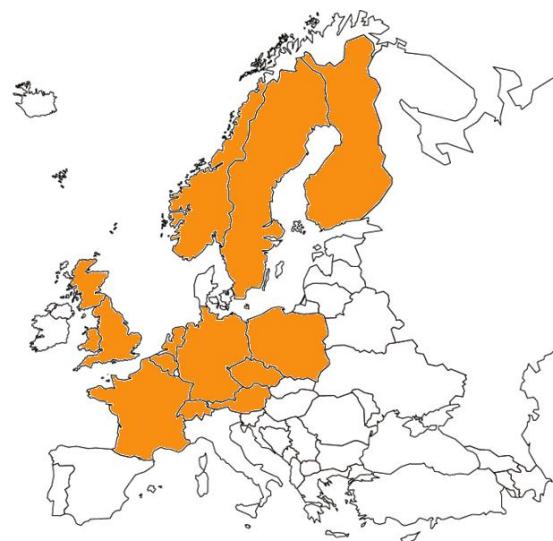
13. WORLDWIDE DISTRIBUTION

As of February 2012, Taimi Hydraulics is proud to work with first-class distributors which cover 4 continents and 18 countries. To locate the one nearest to you, please contact us.

NORTH AMERICA



EUROPE



SOUTH AMERICA



OCEANIA

