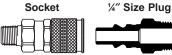


Hansen Quick Connect Couplings One-Way Couplings

Auto-Flo[™] Series Plug Recognition

Auto-Flo 23 Socket



Interchanges with ARO, Truflate and Industrial Interchange plugs. 210 ARO type — slightly longer nose.



Very short nose — Truflate short nose type.



Industrial interchange — Hansen type.

Auto-Flo 24 Socket

to provide the highest flow of any of the 1/4" Series

Auto-Flo sockets.

Socket

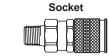


Built to interchange with — enlarged nose. CEJN 320 Series and Rectus 25 Series — designed

Series Auto-Flo 23

Sockets are compatible with Industrial Interchange, ARO and Truflate Plugs

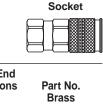
Male End Connections



Plug Interchange with Industrial Interchange, ARO and Truflate plugs.

Male End Connections (In.)	Part No. Brass
14 MPT	B23AS-25M
14 MBSP	B23AS-25MBST
36 MPT	B23AS-37M
36 MBSP	B23AS-37MBST
12 MBSP	B23AS-50MBST

Female End Connections

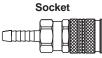


Plug

Interchange with Industrial Interchange, ARO and Truflate plugs.

Part No. Brass
B23AS-25F B23AS-25FBS B23AS-37F B23AS-37FBS

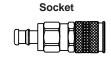
Hose Stem End Connections



Plug Interchange with Industrial Interchange, ARO and Truflate plugs.

Hose Stem End Connections (In.)	Part No. Brass
1⁄4 HS	B23AS-25H
5∕16 HS	B23AS-31H
3⁄8 HS	B23AS-37H
1⁄2 HS	B23AS-50H

Push-On Hose Stem End Connections



Push-On Hose Stem Connections (In.) Part No. Brass 1/4 HS 23AS-25HP 3/4 HS 23AS-37HP **Plug** Interchange with Industrial Interchange, ARO and Truflate plugs.

Auto-Flo is a trademark of Hansen Coupling Division, Tuthill Corp.

Series Auto-Flo 24

Male End Connections

Male End

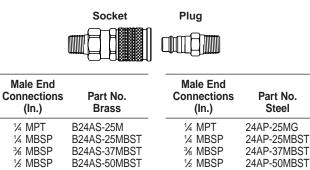
(In.)

1/4 MBSP

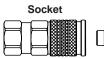
3% MBSP

1/2 MBSP

1/4 MPT



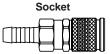
Female End Connections



Female End Connections (In.)	Part No. Brass	Female End Connections (In.)	Part No. Steel
14 FPT 14 FBSP 36 FBSP 12 FBSP	B24AS-25F B24AS-25FBS B24AS-37FBS B24AS-50FBS	1/4 FPT 1/4 FBSP 3/6 FBSP 1/2 FBSP	24AP-25FG 24AP-25FBS 24AP-37FBS 24AP-50FBS

Plug

Hose Stem End Connections





Hose Stem End Connections (In.)	Part No. Brass	Hose Stem End Connections (In.)	Part No. Steel
1⁄4 HS	B24AS-25H	1⁄4 HS	24AP-25H
5∕16 HS	B24AS-31H	5∕16 HS	24AP-31H
⅔ HS	B24AS-37H	3⁄6 HS	24AP-37H
½ HS	B24AS-50H	1⁄2 HS	24AP-50H

Series 1000, 400 and 500



Ball lock Quick-Connective Couplings are used for compressed air, gases and liquids. Body sizes are 1/4", 3/8" and 1/2".



Serie	s ps	i Bar	
1000) 2,00	0 138	
400) 1,00	0 69	
500) 50	0 36	

Note: 400 Series Operating Pressure Automotive Plug is 150 psi.

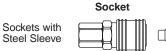
Series 1000, ¼" Nominal Male End Connections

Socket



Male End Connections (In.)	Part No. Brass	Male End Connections (In.)	Part No. Steel
½ MPT ¼ MPT ¾ MPT ⅓₀–20MT* %–18MT*	900 1100 1300 1000-43 1000-63 Stainless	1/4 MPT 1/4 MPT 1/6 MPT 1/6 MPT 3/6 MPT 3/6 MPT	10 10G† 12 12G† 14 14G†
¹ ⁄ ₄ MPT *45° Male Flare	LL-1100	%₀–20MT* ¼ MPT	10-43 Brass B-10
		1/4 MPT	Stainless LL-10
		*45° Male Flare †Steel Plug with B — reduces "hose disconnecting.	

Female End Connections

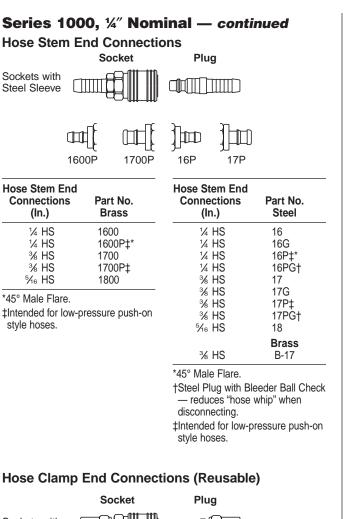


Plug	

Female End Connections (In.)	Part No. Brass	Female End Connections (In.)	Part No. Steel
()	Diass		Oleei
1/8 FPT	800	1/4 FPT	11
1/4 FPT	1000	1/4 FPT	11G†
36 FPT	1200	1/8 FPT	13
	Stainless	3% FPT	15
1/4 FPT	LL-1000		Brass
*45° Male Flare		- 1⁄4 FPT	11B
45 IVIAIE FIAIE			Stainless
		1/4 FPT	LL-11
		†Steel Plug with B — reduces "hose	

reduces "hose whip" when disconnecting.

Any plug and socket from the same series, regardless of end connection, fit together to make a coupling assembly.



Series 400, 3/ Nominal

Female End Connections

Female End Connections

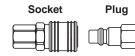
(In.)

1/8 FPT

1/4 FPT

3% FPT

1/2 FPT



Part No.

Brass

400-A

400

420

440

Female End Connections (In.)	Part No. Steel
1/4 FPT	41
1/4 FPT	41G†
36 FPT	43
3% FPT	43G†
1/2 FPT	45
¾ FPT	Brass B-43

†Steel Plug with Bleeder Check Valve — reduces "hose whip" when disconnecting.

Plug	
Female End Connections (In.)	Part No. Steel
1/4 FPT 3/6 FPT	31AP-25F 31AP-37F

Series 500, 1/2" Nominal **Female End Connections**

Part No.

Brass

500-A

500

520

540

Female End

Connections

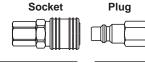
(In.)

1/4 FPT

% FPT

1/2 FPT

3/4 FPT



Female End Connections (In.)	Part No. Steel
1/4 FPT	53-A
% FPT	53
% FPT	53G†
1/2 FPT	55
1/2 FPT	55G†
34 FPT	57

†Steel Plug with Bleeder Check Valve - reduces "hose whip" when disconnecting.

Sockets with Steel Sleeve



Hose Clamp			Hose	Clamp	
I.D. (In.)	O.D. (In.)	Part No. Brass	l.D. (ln.)	O.D. (In.)	Part No. Steel
³ ⁄16 ³ ⁄16	7/16 1/2	1-SA0 1-SA3	³ /16 ³ /16	7/16 1/2	3-PA0 3-PA3
1/4 1/4 1/4 1/4 5/16 5/16	15/32 1/2 9/16 5/8 9/16 5/8	1-SB1 1-SB3 1-SB5 1-SB7 1-SC5 1-SC5 1-SC7	1/4 1/4 1/4 1/4 1/4 1/4	15/32 1/2 9/16 5/8 ¹¹ /16 3/4	3-PB1 3-PB3 3-PB5 3-PB7 3-PB9 3-PB11
5/16 3/8 3/8 3/8 3/8 3/8	¹¹ / ₁₆ 9/16 5/8 ¹¹ /16 3/4	1-SC9 1-SD5 1-SD7 1-SD9 1-SD11	5/16 5/16 5∕16 3⁄8 3⁄8	9/16 5/8 ¹¹ /16 9/16 5/8	3-PC5 3-PC7 3-PC9 3-PD5 3-PD7
			3% 3% 3% 3%	¹¹ /16 ³ /4 ¹³ /16 ⁷ /8	3-PD9 3-PD11 3-PD13 3-PD15

Series 3000, 4000, 5000 and 6000



Pin-lock Quick-Connective Couplings designed for compressed air, gases and liquids. Body sizes are 1/4", 3/8", 1/2" and 3/4".



Operating Pressure

Size			
Series	(In.)	psi	Bar
3000	1/4	2,000	138
4000	3/8	1,000	69
5000	1/2	500	35
6000	3⁄4	220	15

Features

С

*45

- The original Hansen designed automatic coupling offered in nominal sizes of $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$.
- Easy, automatic, push-to-connect design provides instantaneous connection and disconnection of lines, plus automatic shut-off of socket end of line.
- When connected, plug is free to swivel 360° eliminating any kinks in the hose.
- The plug interchange for the series is the Industrial Interchange.

Series 3000, ¼" Nominal

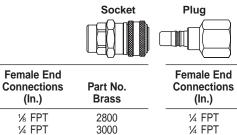
Male End Connections

	Socket	Plug	
Male End connections (In.)	Part No. Brass	Male End Connections (In.)	Part No. Steel
1% MPT 14 MPT 3% MPT 7%=-20 MT* 5%-18 MT* 9° Male Flare	2900 3100 3300 3000-43 3000-63	14 MPT 14 MPT 16 MPT 16 MPT 36 MPT 36 MPT 76-20 MT*	10 10G† 12 12G† 14 14G† 10-43
		1/4 MPT 1/4 MPT	Brass B-10 Stainless LL-10
		*45° Male Flare	

†Steel Plug with Bleeder Ball Check - reduces "hose whip" when disconnecting.

Series 3000, ¼" Nominal — continued

Female End Connections



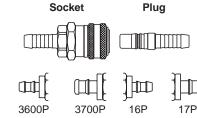
3000

3200

emale End onnections (In.)	Part No. Steel
1/4 FPT	11
1/4 FPT	11G†
1⁄8 FPT	13
36 FPT	15
¼ FPT	Brass 11B
1/4 FPT	Stainless LL-11

†Steel Plug with Bleeder Ball Check - reduces "hose whip" when disconnecting.

Hose Stem End Connections



Hose Stem End Connections (In.)	Part No. Brass	Hose Stem End Connections (In.)	Part No. Steel
1/4 HS 1/4 HS 3/4 HS 3/4 HS 5/16 HS	3600 3600P‡* 3700 3700P‡ 3800	1/4 HS 1/4 HS 1/4 HS 1/4 HS 3/6 HS	16 16G 16P‡ 16PG†* 17
*45° Male Flare. ‡Intended for low-p style hoses.	ressure push-on	¾ HS ¾ HS ¾ HS % HS	17G 17P‡ 17PG† 18
		% HS *45° Male Flare.	Brass B-17

†Steel Plug with Bleeder Ball Check reduces "hose whip" when disconnecting. ‡Intended for low-pressure push-on style hoses.

Hose Stem End

3% FPT

Series 3000, ¼" Nominal — continued

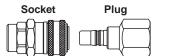
Hose Clamp End Connections (Reusable)



Hose Clamp			Hose	Hose Clamp	
I.D.	O.D.	Part No.	I.D.	O.D.	Part No.
(In.)	(In.)	Brass	(In.)	(In.)	Steel
3/16	7/16	3-SA0	³ /16	7/16	3-PA0
3/16	1/2	3-SA3	³ /16	1/2	3-PA3
1/4	¹⁵ /32	3-SB1	1/4	¹⁵ /32	3-PB1
1/4	1/2	3-SB3	1/4	1/2	3-PB3
1/4	9/16	3-SB5	1/4	9/16	3-PB5
1/4 1/4 1/4 1/4	⁷¹⁶ 5/8 ¹¹ /16 3/4	3-SB3 3-SB7 3-SB9 3-SB11	1/4 1/4 1/4 1/4	716 5/8 ¹¹ /16 3/4	3-PB7 3-PB9 3-PB11
5/16	9/16	3-SC5	5/16	9/16	3-PC5
5/16	5/8	3-SC7	5/16	5/8	3-PC7
5/16	¹¹ /16	3-SC9	5/16	¹¹ /16	3-PC9
3%8	9/16	3-SD5	3/8	9/16	3-PD5
3%8	5/8	3-SD7	3/8	5/8	3-PD7
3/8	¹¹ / ₁₆	3-SD9	3/8	¹¹ / ₁₆	3-PD9
3/8	³ / ₄	3-SD11	3/8	³ / ₄	3-PD11
3/8	¹³ / ₁₆	3-SD13	3/8	¹³ / ₁₆	3-PD13

Series 4000, ¾" Nominal

Female End Connections



Female End Connections (In.)	Part No. Brass	Female End Connections (In.)	Part No. Steel
1/8 FPT	4000-A	1/4 FPT	41
1/4 FPT	4000	1/4 FPT	41G†
% FPT	4200	% FPT	43
1/2 FPT	4400	3% FPT	43G†
		1/2 FPT	45
			Brass

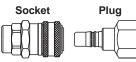
+Steel Plug with Bleeder Ball Check — reduces "hose whip" when disconnecting.

B-43

% FPT

Series 5000, 1/2" Nominal

Female End Connections

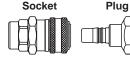


Part No. Brass
5000-A
5000
5200
5400

Female End Connections (In.)	Part No. Steel
1/4 FPT	53-A
3% FPT	53
3% FPT	53G†
1/2 FPT	55
1/2 FPT	55G†
34 FPT	57

+Steel Plug with Bleeder Ball Check —reduces "hose whip" when disconnecting.

Series 6000, 3/4" Nominal Female End Connections



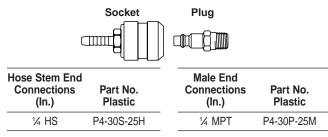
Female End Connections (In.)	Part No. Brass	
1⁄2 FPT	6200	
34 FPT	6400	
1 FPT	6600	

Female End Connections (In.)	P

½ FPT 65A ½ FPT 65GA† ¾ FPT 67A ¾ FPT 67GA† ¾ FPT 69A	

†Steel Plug with Bleeder Ball Check — reduces "hose whip" when disconnecting.

Series P-30 Plastic Socket & Plug



One-Way Special Application Couplings

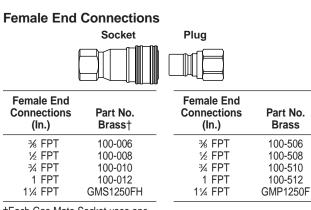
Gas-Mate® Coupling





One-way shut-off Safety Couplings are designed for LP and natural gas applications where 3/", 1/", 3/", 1", and 11/1" hose is used.

Gas-Mate is a registered trademark of Hansen Coupling Division, Tuthill Corp.



†Each Gas-Mate Socket uses one O-Ring.

Flex-Air Couplings

Series Flex-Air

The Flex-Air Fitting is designed to rotate 360° at up to a 75° angle. The Flex-Air Fitting helps to alleviate Carpal Tunnel Syndrome and other stress-related injuries in the workplace.

Features

- Unique design provides free 360° rotation with up to a 75° angle of rotation in any direction.
- Many styles and sizes available.
- 145 psig (10 Bar) pressure rating all models.

Benefits

- Provides flexibility of tool position to help alleviate Carpal Tunnel Syndrome and back stress, resulting in fewer lost-time injuries.
- · Minimizes paint damage and prevents kinking of the air supply hose.

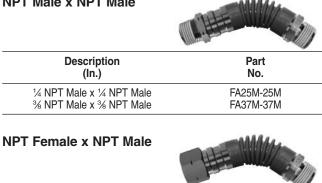
Application

- · Assembly air lines in automotive, electronic, and other industries with vibration isolation.
- Mechanical joints for robotics.

(In.)

· Commercial and residential construction.

NPT Male x NPT Male



Description	Part
(In.)	No.
1/4 NPT Female x 1/4 NPT Male	FA25F-25M
1/4 NPT Female x 3/6 NPT Male	FA25F-37M
3/6 NPT Female x 3/6 NPT Male	FA37F-37M

Description Part No. (In.) 1/4 Industrial Interchange Plug x 1/4 NPT Male FA25P-25M 3/8 Industrial Interchange Plug x 1/4 NPT Male FA37P-25M

Industrial Interchange Plug x NPT Male

ARO x NPT Male Description Part (In.) No. ARO 210 Interchange x 1/4 NPT Male FA25AR-25M

Hose Barb x NPT Male

Description

(In.)

3% Hose Barb x 3% NPT Male

RL Plug x NPT Male



Description Part No.

(In.) 36 RL Plug x 36 NPT Male FA3RL-37M

Lincoln x NPT Male	
Description (In.)	Part No.
Lincoln Interchange x 1/4 NPT Ma	ale FA25LI-25M

Two-Way Couplings High Pressure Hydraulic Two-Way Shut-Off, ISO 7241-1 Series 1-HK to 8-HK

Series 1-HK (1/2") — Female End Connections

		Socket	Plug		
Connection (In.)	n Material	Part No.	Connection (In.)	n Material	Part No.
⅓ FPT %₀–20 FT	Steel Steel	1-H-11 1-H-4	⅓ FPT %6–20 FT	Steel Steel	1-K-11 1-K-4
1% FPT	Brass	B1-H-11	1⁄8 FPT	Brass	B1-K-11
⅓ FPT ⅔6–20 FT	SS 303 SS 303	LL1-H-11 LL1-H-4	⅓ FPT %₀–20 FT	SS 303 SS 303	LL1-K-11 LL1-K-4
1⁄8 FPT	SS 316	ML1-H-11	1% FPT	SS 316	ML1-K-11

Series 2-HK (1/4") — Female End Connections

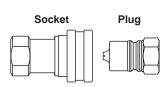
		Socket	Plug		
Connection (In.)	Material	Part No.	Connection (In.)	Material	Part No.
1⁄4 FPT	Steel	2-H-16	1⁄4 FPT	Steel	2-K-16
1⁄4 FBSP	Steel	2-H-16BS	1⁄4 FBSP	Steel	2-K-16BS
%₀–18 FT	Steel	2-H-6	%₀–18 FT	Steel	2-K-6
14 FPT	Brass	B2-H-16	14 FPT	Brass	B2-K-16
14 FBSP	Brass	UL2-H-16BS	14 FBSP	Brass	UL2-K-16BS
1⁄4 FPT	SS 303	LL2-H-16	1∕4 FPT	SS 303	LL2-K-16
1⁄4 FBSP	SS 303	LL2-H-16BS	1∕4 FBSP	SS 303	LL2-K-16BS
%₀–18 FT	SS 303	LL2-H-6	%₀–18 FT	SS 303	LL2-K-6
14 FPT	SS 316	ML2-H-16	1/4 FPT	SS 316	ML2-K-16
14 FBSP	SS 316	ML2-H-16BS	1/4 FBSP	SS 316	ML2-K-16BS

Series 3-HK (%") — Female End Connections

		Socket	Plug		
Connection (In.)	Material	Part No.	Connection (In.)	Material	Part No.
3% FPT	Steel	3-H-21	⅔ FPT	Steel	3-K-21
3% FBSP	Steel	3-H-21BS	⅔ FBSP	Steel	3-K-21BS
34−16 FT	Steel	3-H-8	¾–16 FT	Steel	3-K-8
¾ FPT	Brass	B3-H-21	¾ FPT	Brass	B3-K-21
¾ FBSP	Brass	UL3-H-21BS	¾ FBSP	Brass	UL3-K-21BS
¾ FPT	SS 303	LL3-H-21	⅔ FPT	SS 303	LL3-K-21
¾ FBSP	SS 303	LL3-H-21BS	⅔ FBSP	SS 303	LL3-K-21BS
¾−16 FT	SS 303	LL3-H-8	¾–16 FT	SS 303	LL3-K-8
⅔ FPT	SS 316	ML3-H-21	⅔ FPT	SS 316	ML3-K-21
℁ FBSP	SS 316	ML3-H-21BS	⅔ FBSP	SS 316	ML3-K-21BS

Series 4-HK (1/2") — Female End Connections

		Socket	Plug		
Connection (In.)	Material	Part No.	Connection (In.)	Material	Part No.
1⁄2 FPT	Steel	4-HP-26	½ FPT	Steel	4-KP-26
1⁄2 FBSP	Steel	4-HP-26BS	½ FBSP	Steel	4-KP-26BS
7⁄4-14 FT	Steel	4-HP-10	%−14 FT	Steel	4-KP-10
½ FPT	Brass	B4-HP-26	½ FPT	Brass	B4-KP-26
½ FBSP	Brass	B4-HP-26BS	½ FBSP	Brass	B4-KP-26BS
1⁄2 FPT	SS 303	LL4-HP-26	½ FPT	SS 303	LL4-KP-26
1∕2 FBSP	SS 303	LL4-HP-26BS	½ FBSP	SS 303	LL4-KP-26BS
7⁄4-14 FT	SS 303	LL4-HP-10	%–14 FT	SS 303	LL4-KP-10
12 FPT	SS 316	ML4-HP-26	12 FPT	SS 316	ML4-KP-26
12 FBSP	SS 316	ML4-HP-26BS	12 FBSP	SS 316	ML4-KP-26BS



Series 6-HK (¾") — Female End Connections

		Socket	Plug				
Connection (In.) Material Part No.					Connection (In.)	Material	Part No.
¾ FPT	Steel	6-HP-31	¾ FPT	Steel	6-KP-31		
¾ FBSP	Steel	6-HP-31BS	¾ FBSP	Steel	6-KP-31BS		
1¼₀–12 FT	Steel	6-HP-12	1¼₀–12 FT	Steel	6-KP-12		
¾ FPT	Brass	B6-HP-31	³ 4 FPT	Brass	B6-KP-31		
¾ FBSP	Brass	B6-HP-31BS	³ 4 FBSP	Brass	B6-KP-31BS		
¾ FPT	SS 303	LL6-HP-31	¾ FPT	SS 303	LL6-KP-31		
¾ FBSP	SS 303	LL6-HP-31BS	¾ FBSP	SS 303	LL6-KP-31BS		
1¼₀–12 FT	SS 303	LL6-HP-12	1¼₀–12 FT	SS 303	LL6-KP-12		
³ ⁄ ₄ FPT	SS 316	ML6-HP-31	³ ⁄ ₄ FPT	SS 316	ML6-KP-31		
³ ⁄ ₄ FBSP	SS 316	ML6-HP-31BS	³ ⁄ ₄ FBSP	SS 316	ML6-KP-31BS		

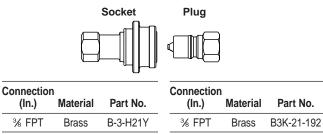
Series 8-HK (1") — Female End Connections

		Socket	Plug		
Connection (In.)	Material	Part No.	Connection (In.)	Material	Part No.
1 FPT	Steel	8-HP-36	1 FPT	Steel	8-KP-36
1 FBSP	Steel	8-HP-36BS	1 FBSP	Steel	8-KP-36BS
15%-12 FT	Steel	8-HP-16	15∕16–12 FT	Steel	8-KP-16
1 FPT	Brass	B8-HP-36	1 FPT	Brass	B8-KP-36
1 FBSP	Brass	B8-HP-36BS	1 FBSP	Brass	B8-KP-36BS
1 FPT	SS 303	LL8-HP-36	1 FPT	SS 303	LL8-KP-36
1 FBSP	SS 303	LL8-HP-36BS	1 FBSP	SS 303	LL8-KP-36BS
1%⊶12 FT	SS 303	LL8-HP-16	1%₀–12 FT	SS 303	LL8-KP-16
1 FPT	SS 316	ML8-HP-36	1 FPT	SS 316	ML8-KP-36
1 FBSP	SS 316	ML8-HP-36BS	1 FBSP	SS 316	ML8-KP-36BS

Note: The standard valve assemblies in the Series 1-HK through 8-HK Sockets and Plugs are staked; and, therefore seals are non-replaceable without replacing the valve assembly.

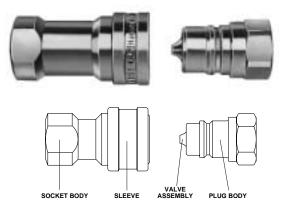
Series 1-HK to 8-HK Steam Coupling

The Hansen Steam Coupling is designed with an extra-wide flange on the sleeve for gripping. The coupling with the special sleeve allows the coupling to be operated while the user wears heavy gloves for protection. A -192 seal is the standard seal in the coupling for steam applications (100 psi saturated steam 338°F).



Two-Way Couplings — continued

Series IA

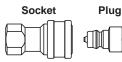


The Hansen Series IA conforms to the dimensional requirements of the ISO Standard 7241-I Series A.

Pressure Ratings

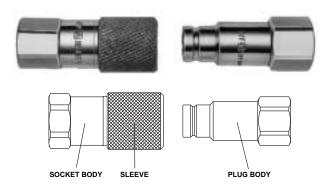
Series	psi	Bar
2-IA	4,600	315
3-IA	3,000	207
4-IA	3,600	248
6-IA	4,000	275
8-IA	3,000	207

Female End Connections



Body Size (In.)	Connection (In.)	Part No.	Body Size (In.)	Connection (In.)	Part No.
1/4	1/4 FPT	2-I-16	1/4	1/4 FPT	2-A-16
1/4	1/4 FBSP	2-I-16BS	1/4	1/4 FBSP	2-A-16BS
3/8	⅔ FPT	3-I-21	3%	⅔ FPT	3-A-21
3/8	⅔ FBSP	3-I-21BS	3%	℁ FBSP	3-A-21BS
1/2	½ FPT	4-I-26	1/2	½ FPT	4-A-26
1/2	½ FBSP	4-I-26BS	1/2	½ FBSP	4-A-26BS
3/4	³ ⁄4 FPT	6-I-31	3/4	¾ FPT	6-A-31
3/4	³ ⁄4 FBSP	6-I-31BS	3/4	¾ FBSP	6-A-31BS
1	1 FPT	8-I-36	1	1 FPT	8-A-36
	1 FBSP	8-I-36BS	1	1 FBSP	8-A-36BS

Series FF Flat Face



Meets dimensional and performance standards of HTMA* and NFPA⁺.

Series FF style double-shutoff hydraulic couplings are intended for use on medium pressure hydraulic systems up to 3625 psi operating pressures. Combines dual flush-face valving, push-to-connect operation, minimum fluid loss upon disconnection, low air inclusion and sleeve lock. Primary applications are with hydraulic tools where cleaner automatic connections are needed and in machine tool line connections where minimum fluid spillage is required.

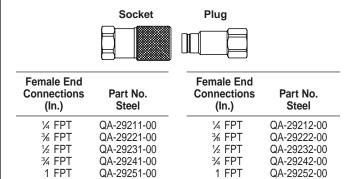
* Hydraulic Tool Manufacturing Association

† National Fluid Power Association

Pressure Ratings

Series	psi	Bar
6FF	3,625	250

Female End Connections



Agricultural Hydraulic Quick Connect Fittings





FPT Ball Valve Coupler FPT Ball Valve Plug

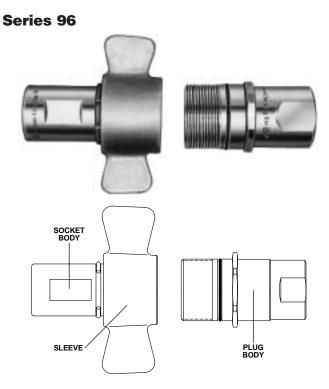
Agricultural series couplers are used on construction equipment, farm implements and most other mobile equipment. Interchangeable with Pioneer 4000 Series and Safeway Agricultural Series.

Operating pressure: 2500 psi

Female End Connections

	S	ocket	Plug		
Body Size (In.)	NPT Thread (In.)	Part No.	Body Size (In.)	NPT Thread (In.)	Part No.
1/4	1/4	18-200	1/4	1/4	19-200
3/8	3/8	18-300	3/8	3/8	19-300
1/2	1/2	18-400	1/2	1/2	19-400
1/2	3/4	18-600	1/2	3/4	19-600
3/4	3/4	18-660	3/4	3/4	19-660
1	1	18-800	1	1	19-800

Two-Way Couplings — continued



Hansen Series 96 is a heavy-duty wing nut coupling which is designed for use in hydraulic lines where dry break and minimum air inclusion is required. The couplings are ideal for hydraulic dump trucks, oil field equipment, and spreading equipment.

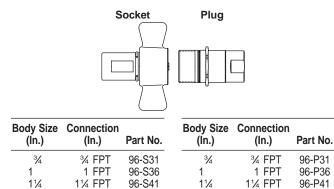
Features

- Non-spill double shut-off with minimum air inclusion.
- Connect/disconnect under pressure.
- · Corrosion resistant brass body.
- Interchangeable with other manufacturers.

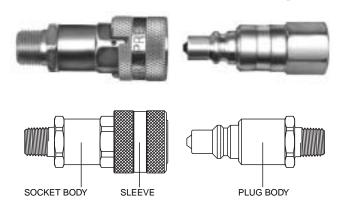
Pressure Ratings

Size (In.)	psi	Bar
3/4	3,000	207
1	3,000	207
1¼	2,750	190

Female End Connections



Series UP — Ultra Pressure 10,000 psi



Hansen Series UP (Ultra Pressure) is designed for applications where hydraulic fluid is being used at pressures up to 10,000 psi (700 BAR). The coupling has a ball lock mechanism that replaces the threaded connections typically used in high pressure hydraulics.

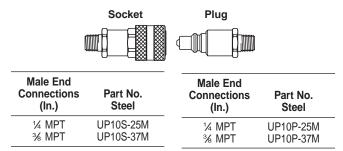
Features

- · Sleeve type connection with sleeve lock device.
- Slim profile compared to threaded coupling designs.
- Body materials made of high strength steel for durability.

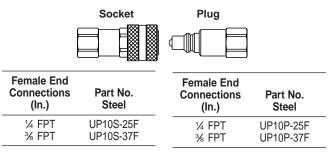
Pressure Ratings

Series	psi	Bar
UP	10,000	700

Male End Connections



Female End Connections



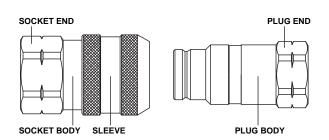
Any plug and socket from the same series, regardless of end connection, fit together to make a coupling assembly.

Two-Way Couplings — continued

Series DB







Hansen Series DB is designed for fluid handling where no spillage is required. The coupling is made of 316 Stainless Steel which allows for use in chemical processing, pharmaceutical and food processing industries.

Features

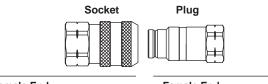
- Push-to-connect flush face design.
- Excellent flow, exceeding ISO B design couplings.
- All materials 316 Stainless Steel with Viton seals standard.
- Optional end connections are available.

Body	Soc	ket	Plu	ıg	Conr	nected
Size (In.)	psi	Bar	psi	Bar	psi	Bar
1⁄4 thru 1	1,450	100	2,030	140	2,030	140

Spillage/Inclusion

Body Size (In.)		Air Inclusion Max. Per Connect
1⁄4	.01 ml	.01 ml
3/8	.02 ml	.02 ml
1/2	.02 ml	.02 ml
3/4	.02 ml	.03 ml
1	.04 ml	.13 ml

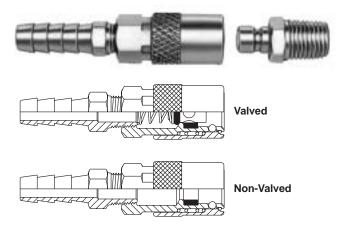
Female End Connections



Female End Connections (In.)	Part No. Steel	Female End Connections (In.)	Part No. Steel
1/4 FPT	2DBS-25F	1/4 FPT	2DBP-25F
1/4 FBSP	2DBS-25FBS	1/4 FBSP	2DBP-25FBS
% FBSP	3DBS-37F	36 FBSP	3DBP-37F
% FBSP	3DBS-37FBS	36 FBSP	3DBP-37FBS
1/2 FPT	4DBS-50F	1/2 FPT	4DBP-50F
1/2 FBSP	4DBS-50FBS	1/2 FBSP	4DBP-50FBS
34 FPT	6DBS-75F	34 FPT	6DBP-75F
34 FBSP	6DBS-75FBS	34 FBSP	6DBP-75FBS
1 FPT	8DBS-100F	1 FPT	8DBP-100F
1 FBSP	8DBS-100FBS	1 FBSP	8DBP-100FBS

Straight Thru Couplings

Flo-Temp® Series Injection Molding Couplings



Hansen's Flo-Temp Series provides maximum flow required to cool injection molds. The product is available valved or non-valved depending on your application for use with hot oil, water-glycol, and hot water.

Features

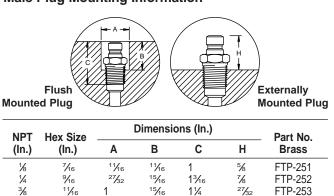
- Sockets have a brass construction with 302 stainless steel valve springs and 440 stainless steel locking balls.
- Plugs are designed short so that they can be easily recessed below the mold surface to avoid damage when the mold is being changed or stored.
- Valved models for automatic shut-off when line is disconnected.
- Non-valved straight-through models for maximum flow requirements and automatic shut-off is not a factor.

Flo-Temp is a registered trademark of Hansen Coupling Division, Tuthill Corp.

Any plug and socket from the same series, regardless of end connection, fit together to make a coupling assembly.

Straight Thru Couplings — continued

Flo-Temp[®] Series — *continued*



13/32

11⁄8

1¼

1½

1%6

11/16

11/16

1%6

1¹³/16

11%

11/32

11/16

13/16

11/16

1%

Male Plug Mounting Information

Flo-Temp[®] Series 200, ¹/₄" Nominal Sockets and Plugs

Part No.

Brass

FTS-204

FTS-205

FTS-205V

FTS-206

FTS-206V

FTS-214

FTS-214V

FTS-214HP

FTS-214VHP

FTS-206HP

FTS-206VHP

FTS-204V

FTS-204HP

FTS-204VHP

1/4

3∕8

1/2

1/2

3/4

%16

¹1⁄16

7/8

7/8

11⁄8

1

1

13/16

1¼

1½

Socket — Barb Style End Connections

Stem

Style

Straight

90°

90°

90°

90°

Barb

Style

Standard

Standard

Push-On*

Push-On*

Standard

Standard

Standard

Standard

Push-On*

Push-On*

Standard

Standard

Push-On*

Push-On*

Hose I.D.

(In.)

1/4 valved

¹⁄₄ 1⁄₄ valved

5/16 valved

3/8 valved

¾ ¾ valved

1/4 valved

1/4 valved

1/4

5/16

3∕8

1⁄4

1⁄4

	Sockets	Plugs
1		

Plug — Male End Connections

FTP-352

FTP-353

FTP-354

FTP-554

FTP-556

Thread Size (In.)	Flow Diameter (In.)	Part No. Brass
1⁄8 MPT	1/4	FTP-251
1/8 MBSP	1/4	FTP-251BST
1/4 MPT	1/4	FTP-252
1/4 MBSP	1/4	FTP-252BST
3% MPT	1/4	FTP-253

Plug — Female End Connections

Thread Size (In.)	Flow Diameter (In.)	Part No. Steel
1/8 FPT	1/4	FTP-251-F
1/6 FBSP	1/4	FTP-251-FBS
1/4 FPT	1/4	FTP-252-F
1/4 FBSP	1/4	FTP-252-FBS
3% FPT	1/4	FTP-253-F

5/16	Standard	90°	FTS-215
5/16 valved	Standard	90°	FTS-215V
3/8	Standard	90°	FTS-216
3% valved	Standard	90°	FTS-216V
3/8	Push-On*	90°	FTS-216HP
3% valved	Push-On*	90°	FTS-216VHP
1/4	Standard	45°	FTS-224
1/4 valved	Standard	45°	FTS-224V
1/4	Push-On*	45°	FTS-224HP
1/4 valved	Push-On*	45°	FTS-224VHP
5/16	Standard	45°	FTS-225
5/16 valved	Standard	45°	FTS-225V
3/8	Standard	45°	FTS-226
3% valved	Standard	45°	FTS-226V
3/8	Push-On*	45°	FTS-226HP
3% valved	Push-On*	45°	FTS-226VHP

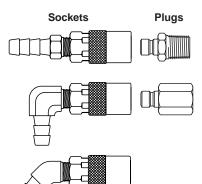
*Push-On style hose barbs are self-locking and do not require clamps.

Straight Thru Couplings — *continued*

Flo-Temp[®] Series 300, ³/["] Nominal Sockets and Plugs

Socket — Barb Style End Connections

Hose I.D. (In.)	Barb Style	Stem Style	Part No. Brass
3% 3% valved 3% 3% valved 1% 1% valved 1% 2% valved	Standard Standard Push-On* Push-On* Standard Standard Push-On* Push-On*	Straight Straight Straight Straight Straight Straight Straight	FTS-306 FTS-306V FTS-306HP FTS-306VHP FTS-308 FTS-308V FTS-308HP FTS-308VHP
% % valved % valved ½ ½ valved ½ ½ valved	Standard Standard Push-On* Push-On* Standard Standard Push-On* Push-On*	90° 90° 90° 90° 90°	FTS-316 FTS-316V FTS-316HP FTS-316VHP FTS-318 FTS-318V FTS-318HP FTS-318VHP
3% 3% valved 3% valved 1½ 1½ valved 1½ 1½ valved	Standard Standard Push-On* Push-On* Standard Standard Push-On* Push-On*	45° 45° 45° 45° 45° 45° 45°	FTS-326 FTS-326V FTS-326HP FTS-326VHP FTS-328 FTS-328V FTS-328HP FTS-328VHP



Plug — Male End Connections

Thread Size (In.)	Flow Diameter (In.)	Part No. Brass
1/4 MPT	3/8	FTP-352
1/4 MBSP	3/8	FTP-352BST
3% MPT	3/8	FTP-353
1/2 MPT	3/8	FTP-354

Plug — Female End Connections

Thread Size (In.)	Flow Diameter (In.)	Part No. Steel
1/4 FPT	3/8	FTP-352-F
1/4 FBSP	3/8	FTP-352-FBS
3% FPT	3/8	FTP-353-F
3% FBSP	3/8	FTP-353-FBS
1⁄2 FPT	3/8	FTP-354-F

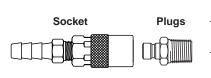
*Push-On style hose barbs are self-locking and do not require clamps.

Flo-Temp[®] Series 500, 1/2" Nominal Sockets and Plugs

Socket — Barb Style End Connections

Hose I.D. (In.)	Barb Style	Stem Style	Part No. Brass
1/2	Standard	Straight	FTS-504
1/2 valved	Standard	Straight	FTS-504V
1/2	Push-On*	Straight	FTS-504HP
1/2 valved	Push-On*	Straight	FTS-504VHP
3/4	Standard	Straight	FTS-506
³ ⁄ ₄ valved	Standard	Straight	FTS-506V
3/4	Push-On*	Straight	FTS-506HP
³ ⁄ ₄ valved	Push-On*	Straight	FTS-506VHP

*Push-On style hose barbs are self-locking and do not require clamps.





Plug — Male End Connections

Thread Size	Flow Diameter	Part No.
(In.)	(In.)	Brass
1∕2 MPT	5/8	FTP-554
3⁄4 MPT	5/8	FTP-556

Plug — Female End Connections

Thread Size	Flow Diameter	Part No.
(In.)	(In.)	Steel
1∕2 FPT	5%	FTP-554-F
3∕4 FPT	5%	FTP-556-F

Straight Thru Couplings — continued **Power Wash and Agricultural Applications**

Series ST

without Shut-Off Valves

Each Series ST Socket is equipped with a Buna N O-ring, and other compounds are available to handle a wide variety of liquids and gases.

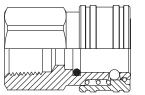
Features

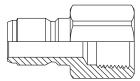
• Smooth bore permits free flow of liquid or gas.

Pressure Rating Service

Series	with Ste	el Plug	with Bra	iss Plug	Stainles	s Steel
	psi	Bar	psi	Bar	psi	Bar
1-ST	2,600	180	2,500	173	4,200	290
2-ST	5,500	380	5,200	359	6,700	462
3-ST	3,500	241	2,700	186	5,500	380
4-ST	2,700	186	2,200	152	3,000	207
6-ST	1,700	117	1,700	117	1,700	117
8-ST	2,000	138	1,200	83	1,700	117
10-ST 12-ST 16-ST 20-ST	2,700 2,200 2,200 1,500	186 152 152 103	1,700 1,400 1,400 900	117 97 97 62	2,200 2,500 1,500	152 173 103 —







Male End Connections

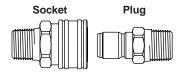
Thread		Pa	rt No.
Size (In.)	Series	Brass	Stainless Steel
1/6 MPT	1-ST	1-S10	LL1-S10
1/4 MPT	2-ST	2-S15	
3/6 MPT	3-ST	3-S20	LL3-S20
1/2 MPT	4-ST	4-S25	
3/4 MPT	6-ST	6-S30	LL6-S30
1 MPT	8-ST	8-S35	

For optional Sleeve Lock Device add -SL to Part No.

Female End Connections

Thread		Part No.		
Size (In.)	Series	Brass	Stainless Steel	
1% FPT	1-ST	1-S11	LL1-S11	
14 FPT	2-ST	2-S16	LL2-S16	
3% FPT	3-ST	3-S21	LL3-S21	
½ FPT	4-ST	4-S26	LL4-S26	
¾ FPT	6-ST	6-S31	LL6-S31	
1 FPT	8-ST	8-S36	LL8-S36	
1¼ FPT	10-ST	10-S41*	LL10-S41	
1½ FPT	12-ST	12-S46*	LL12-S46	
2 FPT	16-ST	16-S51*	LL16-S51	
2½ FPT	20-ST	20-S56*	—	

For optional Sleeve Lock Device add -SL to Part No. * with Steel Sleeve.



Thread			Part No.	
Size (In.)	Series	Steel	Brass	Stainless Steel
1/8 MPT	1-ST	1-T10	B1-T10	LL1-T10
1/4 MPT	1-ST	1-T15	B1-T15	
1/4 MPT	2-ST	2-T15	B2-T15	LL2-T15
¾ MPT	3-ST	3-T20	B3-T20	LL3-T20
½ MPT	4-ST	4-T25	B4-T25	LL4-T25
¾ MPT	6-ST	6-T30	B6-T30	LL6-T30
1 MPT	8-ST	8-T35	B8-T35	LL8-T35
1¼ MPT	10-ST	10-T40	B10-T40	LL10-T40
1½ MPT	12-ST	12-T45	B12-T45	—
2 MPT	16-ST	16-T50	B16-T50	LL16-T50
2½ MPT	20-ST	20-T55	B20-T55	

Socket	Plug

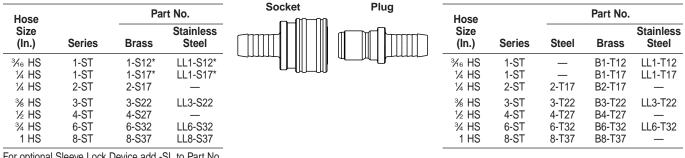
Thread			Part No.	
Size (In.)	Series	Steel	Brass	Stainless Steel
1% FPT 14 FPT 3% FPT	1-ST 2-ST 3-ST	1-T11 2-T16 3-T21	B1-T11 B2-T16 B3-T21	LL1-T11 LL2-T16 LL3-T21
½ FPT ¾ FPT 1 FPT	4-ST 6-ST 8-ST	4-T26 6-T31 8-T36	B4-T26 B6-T31 B8-T36	LL4-T26 LL6-T31 LL8-T36
1¼ FPT 1½ FPT 2 FPT 2½ FPT	10-ST 12-ST 16-ST 20-ST	10-T41 12-T46 16-T51 20-T56	B10-T41 B12-T46 B16-T51 B20-T56	LL10-T41 LL12-T46 —

Any plug and socket from the same series, regardless of end connection, fit together to make a coupling assembly.

Straight Thru Couplings — continued

Series ST without Shut-Off Valves — continued

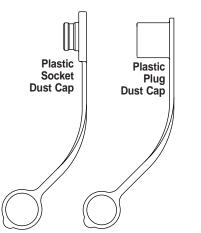
Hose Stem End Connections



For optional Sleeve Lock Device add -SL to Part No. *May differ from drawing and is made for hex stock.

Socket and Plug Plastic Dust Caps

Dust Caps



Dust Caps are available where protection is necessary against excessive flying grit or dust. The Socket Dust Cap is easily applied by pulling back the sleeve of the Socket and inserting the Dust Cap. The Plug Dust Cap covers the entire machined surface of the Plug. It is applied and held in place by friction on the locking portion of the Plug. Metal Dust Caps are supplied with chain and attachment ring. Plastic Dust Caps have integral plastic strap and attachment loop.

Plastic Dust Caps for Two-Way Shut-Off Couplings

Two-Way Series	Socket Dust Cap	Plug Dust Cap
1-HK	P-SDC-1-HK	P-PDC-1-HK
2-HK	P-SDC-2-HK	P-PDC-2-HK
3-HK	P-SDC-3-HK	P-PDC-3-HK
4-HK	P-SDC-4-HK	P-PDC-4-HK
6-HK	P-SDC-6-HK	P-PDC-6-HK
8-HK	P-SDC-8-HK	P-PDC-8-HK
10-HK	_	_
12-HK	_	_
20-HK	_	—
2-HKIG	_	P-PDC-2-HK
2-HKIL	_	P-PDC-2-HK
6FF	P-SDC-6FF	P-PDC-6FF

Plastic Dust Caps for One-Way Shut-Off Couplings

	0 s s l s t	Disc
ne-Way Series	Socket Dust Cap	Plug Dust Cap
3000	P-SDC-1-HK	_
4000	P-SDC-2-HK	_
5000	_	P-PDC-2-HK
6000	_	P-PDC-3-HK
1000	P-SDC-1-HK	_
100	P-SDC-1-HK	P-PDC-1-HK
400	P-SDC-2-HK	_
600	P-SDC-1-HK	P-PDC-1-HK
700	P-SDC-1-HK	P-PDC-1-HK
2-RL	P-SDC-1-HK	P-PDC-1-HK
3-RL	P-SDC-2-HK	P-PDC-2-HK

Plastic Dust Caps for Gas-Mate Couplings

Gas-Mate Series (In.)	Socket Dust Cap	Plug Dust Cap
1/4	P-SDC-1-HK	P-PDC-1-HK
3/8	P-SDC-2-HK	P-PDC-2-HK
1/2	P-SDC-3-HK	P-PDC-3-HK
3/4	P-SDC-4-HK	P-PDC-4-HK
1	P-SDC-6-HK	P-PDC-6-HK

Plastic Dust Caps for Straight Thru Couplings

Straight Through Series	Socket Dust Cap	Plug Dust Cap
2-ST	P-SDC-1-HK	—
3-ST	P-SDC-2-HK	—
6-ST	P-SDC-4-HK	P-PDC-4-HK
8-ST	_	P-PDC-6-HK
10-ST	—	P-PDC-8-HK

Other Available Hansen Couplings on Request

Thread-to-Connect Two-Way Hydraulic Series WA 56000



The Series WA 56000 is a high pressure hydraulic screw together coupling designed to operate at pressures up to 10,000 psi.

Features

Its rugged design makes it suitable for use in hydraulic ram, pump and high impulse applications.

Body sizes: ¼", ¾".

Material: Steel.

End connection: NPT.

Maximum operating pressure: 10,000 psi (700 Bar).

One-Way Pneumatic Series 180 and 280



The 180/280 Series are miniature ball lock couplings, designed for compressed air, gases, liquids and water.

Features

The small size provides for applications like diving equipment, pharmaceutical, medical and laboratory uses.

Body size: 1/8".

Material: Brass.

End connection: NPT, Hose Barb.

Maximum operating pressure: Series 180: 700 psi (48 Bar), Series 280: 2,500 psi (172 Bar).

One-Way Pneumatic Industrial Interchange Series SAFELINE-1/4″



The SAFELINE Industrial Interchange pushbutton safety coupling is safe and easy to connect and disconnect. Twostep disconnect procedure shuts off air supply and releases downstream air pressure before plug can be removed from the socket preventing hose whip.

Features

The main application is for compressed air. Used in automotive, maintenance and repair operations.

Body size: 1/4".

Material: Aluminum and steel construction.

End connection: NPT, Hose Barb.

