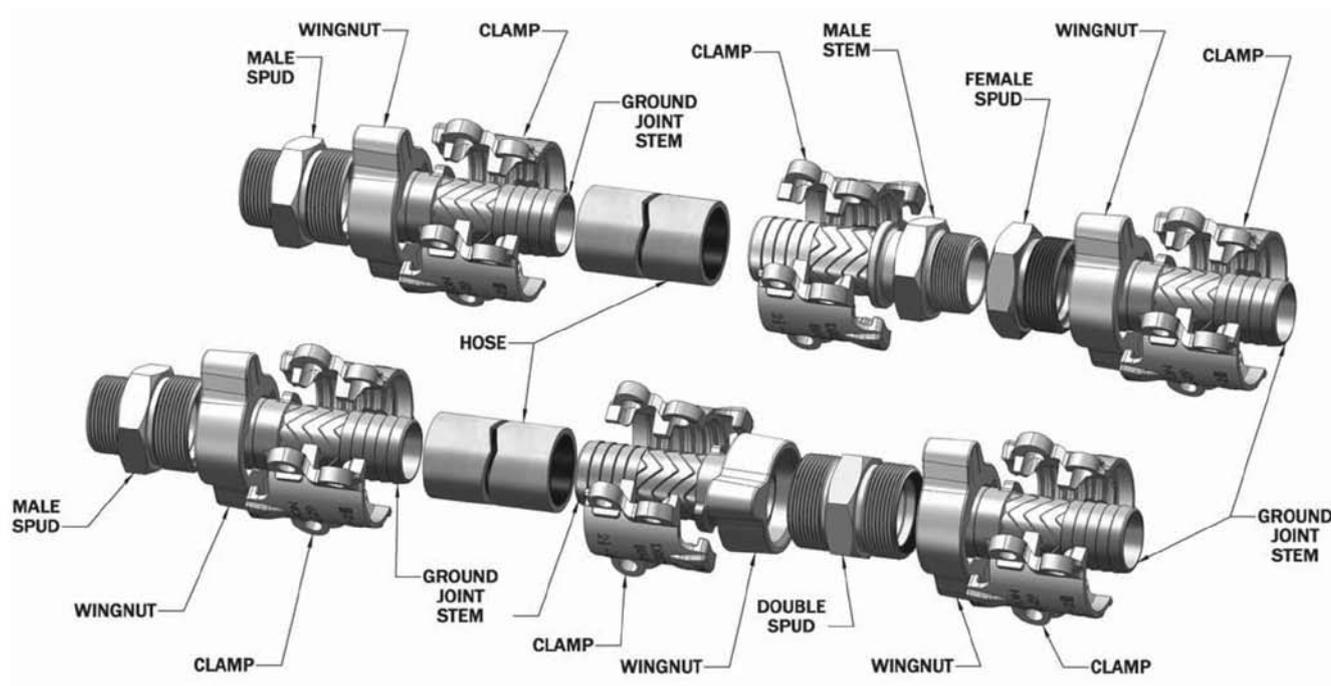


Steam Couplings - Boss™

Boss™ Coupling System

- Features:** The spud part of the coupling serves as one half of the connection and is usually fixed to the equipment. The stem part that is clamped to the hose is the other half. The two halves are connected or disconnected by rotating the wing nut onto the spud. When connected they achieve a mechanical, as well as, a pressure seal.
- Services:** Boss couplings are all-purpose hose couplings, universally recommended for steam hose connections. They are also widely used for air, water, fluid petroleum, chemicals and liquid petroleum gas up to 1" ID. Boss couplings can be applied to many types of rubber, synthetic, plastic, metallic or semi-metallic hose. Consult the factory for specific media capabilities.
- Purpose:** Boss couplings supply a convenient threaded fitting to connect two lengths of hose, or a single length to a male or female threaded (NPT) outlet.
- Material:**
- Stem: ¼" - 1" plated steel, 1¼" - 4" plated iron, 6" tubular steel
 - Spud: ¼" - 1" plated steel, 1¼" - 6" plated iron
 - Wing nut: ¼" - 1" plated steel, 1¼" - 6" plated iron
- Seal Types:**
- Ground joint: copper or polymer seats
 - Washer: Klingersil® C-4401



SAFETY ALERT

Worn-out hose couplings can be dangerous. They should be checked regularly and replaced when necessary. Each coupling user should review applications and add safety devices where indicated.

Steam Couplings - Boss™

Boss™ Ground Joint Seal Couplings

Sizes: 1/4" to 6".

Materials: Plated Steel and/or Malleable Iron, Stainless Steel and Brass.

Pressure: Maximum working pressure 600 psi (using Boss™ clamps at correct torque setting).

Details: Boss™ Non-Metallic Polymer Seat (U.S. Patent No. 5, 577, 777) is not subject to corrosion and offers resistance to chemicals and steam found in manufacturing facilities. A precision machined recess holds the seat firmly in place, allowing it to absorb harsh punishment. Recommended for steam service up to 232°C (450°F); easy to seal; works with existing Boss™ Ground Joint Stems.

Use only with genuine Boss™ Clamps made in U.S.A.



BOSS™ COMPLETE COUPLING			
PART NO.	SIZE	THREAD	MATERIAL
GF1*	1/4"	BSP PI./NPT	Plated Steel/Malleable Iron
GF3*	3/8"	BSP PI./NPT	Plated Steel/Malleable Iron
GF6	1/2"	BSP PI./NPT	Plated Steel/Malleable Iron
GF26	3/4"	BSP PI./NPT	Plated Steel/Malleable Iron
GF36	1"	BSP PI./NPT	Plated Steel/Malleable Iron
GF51	1 1/4"	BSP PI./NPT	Plated Steel/Malleable Iron
GF61	1 1/2"	BSP PI./NPT	Plated Steel/Malleable Iron
GF81**	2"	BSP PI./NPT	Plated Steel/Malleable Iron
GF96	2 1/2"	BSP PI./NPT	Plated Steel/Malleable Iron
GF111	3"	BSP PI./NPT	Plated Steel/Malleable Iron
GF141	4"	BSP PI./NPT	Plated Steel/Malleable Iron
GF201*	6"	BSP PI./NPT	Plated Steel/Malleable Iron
RGF26	3/4"	BSP PI./NPT	316 Stainless Steel
RGF36	1"	BSP PI./NPT	316 Stainless Steel
RGF51	1 1/4"	BSP PI./NPT	316 Stainless Steel
RGF61	1 1/2"	BSP PI./NPT	316 Stainless Steel
RGF81	2"	BSP PI./NPT	316 Stainless Steel
BGF26	3/4"	BSP PI./NPT	Brass
BGF36	1"	BSP PI./NPT	Brass
BGF51	1 1/4"	BSP PI./NPT	Brass
BGF61	1 1/2"	BSP PI./NPT	Brass
BGF81	2"	BSP PI./NPT	Brass

* GF1, GF3, GF201, are supplied with Copper Seat Spuds.

** GF81 are not to be used with #250 or #306 Boss™ Clamps.

Steam Couplings - Boss™

Boss™ Stems and Wing Nuts



BOSS™ STEM		
PART NO.	SIZE	MATERIAL
GBA	1/4"	Plated Steel
GCA	3/8"	Plated Steel
GB1	1/2"	Plated Steel
GB6	3/4"	Plated Steel
GB11	1"	Plated Steel
GB16	1 1/4"	Plated Steel/Malleable Iron
GB21	1 1/2"	Plated Steel/Malleable Iron
GB26**	2"	Plated Steel/Malleable Iron
GB31	2 1/2"	Plated Steel/Malleable Iron
GB36	3"	Plated Steel/Malleable Iron
GB46	4"	Plated Steel/Malleable Iron
GB66	6"	Plated Steel/Malleable Iron
RGB6	3/4"	316 Stainless Steel
RGB11	1"	316 Stainless Steel
RGB16	1 1/4"	316 Stainless Steel
RGB21	1 1/2"	316 Stainless Steel
RGB26	2"	316 Stainless Steel
BGB6	3/4"	Brass
BGB11	1"	Brass
BGB16	1 1/4"	Brass
BGB21	1 1/2"	Brass
BGB26	2"	Brass

** GB26 are not to be used with #250 or #306 Boss™ Clamps.

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BOSS™ WING NUT THREAD		
PART NO.	SIZE	MATERIAL
BA2	1/4"	Malleable Iron
CB	3/8"	Malleable Iron
B2	1/2"	Malleable Iron
B12	3/4"	Malleable Iron
B12	1"	Malleable Iron
B17	1 1/4"	Malleable Iron
B17	1 1/2"	Malleable Iron
B27	2"	Malleable Iron
B32	2 1/2"	Malleable Iron
B37	3"	Malleable Iron
B47	4"	Malleable Iron
B67	6"	Malleable Iron
RB12	3/4"	316 Stainless Steel
RB12	1"	316 Stainless Steel
RB17	1 1/4"	316 Stainless Steel
RB17	1 1/2"	316 Stainless Steel
RB27	2"	316 Stainless Steel
BB12	3/4"	Brass
BB12	1"	Brass
BB17	1 1/4"	Brass
BB17	1 1/2"	Brass
BB27	2"	Brass

Steam Couplings - Boss™

Boss™ Spud Adapters



BOSS™ FEMALE SPUD			
PART NO.	SIZE	THREAD	MATERIAL
GBC	1/4"	BSP PI./NPT	Plated Steel
GCC	3/8"	BSP PI./NPT	Plated Steel
GB3	1/2"	BSP PI./NPTI	Plated Steel
GB8	3/4"	BSP PI./NPT	Plated Steel
GB13	1"	BSP PI./NPT	Plated Steel
GB18	1 1/4"	BSP PI./NPT	Plated Steel/Malleable Iron
GB23	1 1/2"	BSP PI./NPT	Plated Steel/Malleable Iron
GB28	2"	BSP PI./NPT	Plated Steel/Malleable Iron
GB33	2 1/2"	BSP PI./NPT	Plated Steel/Malleable Iron
GB38	3"	BSP PI./NPT	Plated Steel/Malleable Iron
GB48	4"	BSP PI./NPT	Plated Steel/Malleable Iron
GB68	6"	BSP PI./NPT	Plated Steel/Malleable Iron
RGB8	3/4"	BSP PI./NPT	316 Stainless
RGB13	1"	BSP PI./NPT	316 Stainless
RGB18	1 1/4"	BSP PI./NPT	316 Stainless
RGB23	1 1/2"	BSP PI./NPT	316 Stainless
RGB28	2"	BSP PI./NPT	316 Stainless
BGB8	3/4"	BSP PI./NPT	Brass
BGB13	1"	BSP PI./NPT	Brass
BGB18	1 1/4"	BSP PI./NPT	Brass
BGB23	1 1/2"	BSP PI./NPT	Brass
BGB28	2"	BSP PI./NPT	Brass



BOSS™ MALE SPUD X WING NUT THREAD			
PART NO.	SIZE	THREAD	MATERIAL
GMC	3/8"	BSPT/NPT	Plated Steel/Malleable Iron
GM3	1/2"	BSPT/NPT	Plated Steel/Malleable Iron
GM8	3/4"	BSPT/NPT	Plated Steel/Malleable Iron
GM13	1"	BSPT/NPT	Plated Steel/Malleable Iron
GM18	1 1/4"	BSPT/NPT	Plated Steel/Malleable Iron
GM23	1 1/2"	BSPT/NPT	Plated Steel/Malleable Iron
GM28	2"	BSPT/NPT	Plated Steel/Malleable Iron
GM33	2 1/2"	BSPT/NPT	Plated Steel/Malleable Iron
GM38	3"	BSPT/NPT	Plated Steel/Malleable Iron



BOSS™ DOUBLE SPUD X WING NUT THREAD		
PART NO.	SIZE	MATERIAL
GDB3	1/2"	Plated Steel/Malleable Iron
GDB13	3/4"	Plated Steel/Malleable Iron
GDB13	1"	Plated Steel/Malleable Iron
GDB23	1 1/4"	Plated Steel/Malleable Iron
GDB23	1 1/2"	Plated Steel/Malleable Iron
GDB28	2"	Plated Steel/Malleable Iron
GDB33	2 1/2"	Plated Steel/Malleable Iron
GDB38	3"	Plated Steel/Malleable Iron



Steam Couplings - Boss™

Boss™ Adapters & Hose Menders

BOSS™ MALE STEM

PART NO.	SIZE	THREAD	MATERIAL
MS4X2	1/4" x 1/8"	NPT	Steel
MSA	1/4" x 1/4"	BSPT/NPT	Steel
MSB	1/4" x 3/8"	BSPT/NPT	Steel
MS6X4	3/8" x 1/4"	NPT	Steel
MSC	3/8" x 3/8"	BSPT/NPT	Steel
MS6X8	3/8" x 1/2"	NPT	Steel
MS8X4	1/2" x 1/4"	NPT	Steel
MS8X6	1/2" x 3/8"	NPT	Steel
MS1	1/2" x 1/2"	BSPT/NPT	Steel
MS8X12	1/2" x 3/4"	NPT	Steel
MS12X8	3/4" x 1/2"	NPT	Steel
MS6	3/4" x 3/4"	BSPT/NPT	Steel
MS12X16	3/4" x 1"	NPT	Steel
MS16X12	1" x 3/4"	NPT	Steel
MS11	1"	BSPT/NPT	Steel
MS16	1 1/4"	BSPT/NPT	Malleable Iron
MS21	1 1/2"	BSPT/NPT	Malleable Iron
MS26	2"	BSPT/NPT	Malleable Iron
MS31	2 1/2"	BSPT/NPT	Malleable Iron
MS36	3"	BSPT/NPT	Malleable Iron
MS46	4"	BSPT/NPT	Malleable Iron
RMS1	1/2"	BSPT/NPT	316 Stainless Steel
RMS6	3/4"	BSPT/NPT	316 Stainless Steel
RMS11	1"	BSPT/NPT	316 Stainless Steel
RMS16	1 1/4"	BSPT/NPT	316 Stainless Steel
RMS21	1 1/2"	BSPT/NPT	316 Stainless Steel
RMS26	2"	BSPT/NPT	316 Stainless Steel
RMS31	2 1/2"	BSPT/NPT	316 Stainless Steel
RMS36	3"	BSPT/NPT	316 Stainless Steel
BMS6	3/4"	BSPT/NPT	Brass
BMS11	1"	BSPT/NPT	Brass
BMS16	1 1/4"	BSPT/NPT	Brass
BMS21	1 1/2"	BSPT/NPT	Brass
BMS26	2"	BSPT/NPT	Brass
BMS36	3"	BSPT/NPT	Brass



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BOSS™ HOSE MENDER

PART NO.	SIZE	MATERIAL
M1	1/2"	Steel
M6	3/4"	Malleable Iron
M11	1"	Malleable Iron
M16	1 1/4"	Malleable Iron
M21	1 1/2"	Malleable Iron
M26	2"	Malleable Iron
M31	2 1/2"	Malleable Iron
M36	3"	Malleable Iron
M46	4"	Malleable Iron
M66	6"	Steel

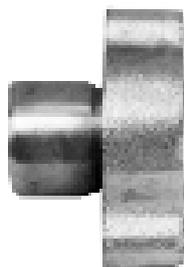


Steam Couplings - Boss™



BOSS™ MALE NPT ADAPTER		
PART NO.	SIZE	THREAD
GMAS6	3/4"	NPT
GMAS11	1"	NPT
GMAS21	1 1/2"	NPT
GMAS26*	2"	NPT
B27-3		Wing nut for GMAS26.

* GMAS26 requires a Special Wing Nut, part number B27-3



BOSS™ FEMALE NPT ADAPTER		
PART NO.	SIZE	THREAD
GFAS6	3/4"	NPT
GFAS11	1"	NPT

Note: Wing nut is permanently attached on 1" size



BOSS™ WING NUT CAPS	
PART NO.	SIZE
B12SC	3/4" and 1"
B17SC	1 1/4" and 1 1/2"
B27SC	2"
B37SC	3"

Note: Supplied with 12" chain and washer.
Boss Wing Nut Caps are not intended for pressure applications



male NPT end



male NPT end

LP-BOSS MALE STEMS				
PLATED STEEL	316 STAINLESS STEEL	SCHD.80 PLATED STEEL	UNPLATED STEEL	
PART NO.	PART NO.	PART NO.	PART NO.	SIZE
LP16	-	LP16 - 80	-	1 1/4"
LP21	-	LP21 - 80	-	1 1/2"
LP26	-	LP26 - 80	LPB26	2"
LP31	-	-	-	2 1/2"
LP36	RLP36	-	LPB36	3"
LP46	RLP46	-	-	4"
LP66	-	-	-	6"



Steam Couplings - Boss™

Boss™ Clamps

Sizes: 1/4" to 3".

Materials: Plated Malleable Iron, Investment Cast Carbon Steel, Stainless Steel and Brass.

Pressure: Refer to Dixon pressure recommendations chart.

Details: The stated torque values apply to Plated Malleable Iron and Stainless Steel Clamps only and is expressed in ft.lbs. Torque values for Clamps are based on "Dry Bolts". The use of lubricants on bolts will adversely effect clamp performance.

The bolt used in BOSS™ interlocking clamps are Non-Standard. They vary from standard bolts in their length, diameter, overall thread length, material and material hardness. These bolts can be re-torqued, but it is not recommended that they be re-used, as they are designed for a single bend only. Dixon recommends using only factory supplied replacement bolts. The use of non Dixon bolts may result in serious injury or damage.



BOSS™ CLAMP - 2 BOLT TYPE

PART NO.	HOSE I.D. SIZE	HOSE O.D. (MM)		MATERIAL	TORQUE
		FROM:	TO:		
BD*	1/4"	14.0	17.0	Plated Malleable Iron	6
CD*	3/8"	17.5	22.0	Plated Malleable Iron	6
DD*	1/2"	20.5	24.0	Plated Malleable Iron	6
B4*	1/2"	24.0	27.0	Plated Malleable Iron	12
B5*	1/2"	27.0	30.0	Plated Malleable Iron	12
BU9S	3/4"	29.5	32.5	Plated Malleable Iron	21
BU9	3/4"	30.0	33.0	Plated Malleable Iron	21
B9*	3/4"	33.0	38.0	Plated Malleable Iron	21
B10*	3/4"	38.0	43.0	Plated Malleable Iron	21
BB4	1/2"	24.0	27.0	Brass	12
BBU9	3/4"	30.0	33.0	Brass	21
BB9	3/4"	33.0	38.0	Brass	21
RB4	1/2"	24.0	27.0	Stainless Steel	12
RBU9	3/4"	30.0	33.0	Stainless Steel	21
RB9	3/4"	33.0	38.0	Stainless Steel	21

* Global Investment Cast Carbon Steel

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Steam Couplings - Boss™

BOSS™ CLAMP - 4 BOLT TYPE



PART NO.	HOSE I.D. SIZE	HOSE O.D. (MM)		MATERIAL	TORQUE IN/LBS
		FROM:	TO:		
968†	1/2"	23.0	26.0	Plated Malleable Iron	6
156**	1"	35.5	40.0	Plated Malleable Iron	21
BU14	1"	39.0	43.5	Plated Malleable Iron	21
B14	1"	43.0	49.0	Plated Malleable Iron	21
B15	1"	49.0	54.0	Plated Malleable Iron	21
BU18	1 1/4"	38.0	45.5	Plated Malleable Iron	40
187**	1 1/4"	43.0	47.5	Plated Malleable Iron	21
BU19	1 1/4"	45.5	53.0	Plated Malleable Iron	40
206**	1 1/4"	47.5	52.5	Plated Malleable Iron	21
B19	1 1/4"	54.0	60.0	Plated Malleable Iron	40
BU22	1 1/2"	46.0	51.0	Plated Malleable Iron	40
B22	1 1/2"	51.0	56.0	Plated Malleable Iron	40
212**	1 1/2"	51.0	54.0	Plated Malleable Iron	21
225**	1 1/2"	52.5	57.0	Plated Malleable Iron	40
BU24	1 1/2"	55.5	60.0	Plated Malleable Iron	40
B24	1 1/2"	60.0	65.0	Plated Malleable Iron	40
B25	1 1/2"	65.0	70.0	Plated Malleable Iron	40
250**	2"	57.0	63.5	Plated Malleable Iron	40
BU28	2"	59.5	64.5	Plated Malleable Iron	60
275**	2"	63.5	70.0	Plated Malleable Iron	40
BU29	2"	63.5	71.0	Plated Malleable Iron	60
B29	2"	70.0	78.0	Plated Malleable Iron	60
306**	2"	70.0	78.0	Plated Malleable Iron	60
B30	2"	78.5	87.5	Plated Malleable Iron	60
350**	2 1/2"	78.0	89.0	Plated Malleable Iron	60
BU34	2 1/2"	78.5	87.5	Plated Malleable Iron	60
B34	2 1/2"	89.0	100.0	Plated Malleable Iron	150
375**	3"	89.0	95.0	Plated Malleable Iron	60
BU35	3"	89.0	100.0	Plated Malleable Iron	150
401**	3"	95.5	101.5	Plated Malleable Iron	150
B35	3"	96.5	103.0	Plated Malleable Iron	150
418**	3"	101.5	106.5	Plated Malleable Iron	200
B39	3"	103.5	113.0	Plated Malleable Iron	200
450**	3"	106.5	114.0	Plated Malleable Iron	200
BBU14	1"	39.0	43.5	Brass	21
BB14	1"	43.0	49.0	Brass	21
BB19	1 1/4"	54.0	60.0	Brass	40
BBU24	1 1/2"	55.5	60.0	Brass	40
BB24	1 1/2"	60.0	65.0	Brass	40
RBU14	1"	39.0	43.5	Stainless Steel	21
RB14	1"	43.0	49.0	Stainless Steel	21
RB19	1 1/4"	54.0	60.0	Stainless Steel	40
RBU24	1 1/2"	55.5	60.0	Stainless Steel	40
RB24	1 1/2"	60.0	65.0	Stainless Steel	40
RBU29	2"	63.5	71.0	Stainless Steel	60
RB29	2"	70.0	78.0	Stainless Steel	60

* 4 Gripping Fingers.

† These clamps are not to be used with GF81, GB26, WF81, B26, RGF81, RGB26, BGF81, BGB26, RWF81, RB26 Boss™ Stems.

BOSS™ CLAMP - 6 BOLT TYPE



PART NO.	HOSE I.D. SIZE	HOSE O.D. (MM)		MATERIAL	TORQUE
		FROM:	TO:		
BS39	3"	108.0	122.0	Plated Malleable Iron	150
B45	4"	117.5	127.0	Plated Malleable Iron	150
BS49	4"	123.5	133.5	Plated Malleable Iron	200
BU49	4"	33.5	142.0	Plated Malleable Iron	200
B49	4"	140.5	151.0	Plated Malleable Iron	200
750	6"	174.5	187.0	Plated Malleable Iron	200
850	6"	190.0	203.0	Plated Malleable Iron	200

Recommended torque rating in ft.lbs (for Malleable Iron and Stainless Steel Clamps only).



Steam Couplings - Boss™

Steam Hose Fittings and Couplings - BS EN 14423:2004

Sizes:	DN13 to DN25.
Pressure (All sizes):	Maximum working pressure 18 bar.
Temperature:	Maximum working temperature: Steam +210°C (410°F) Hot Water +120°C (248°F)
Details:	Suitable for fixing to steam hoses to BS EN 14423:2004 with safety clamps. All steam fittings are supplied with corresponding brass safety clamps.



BS EN 14423:2004 STEAM HOSE FEMALE COUPLING

PART NO.	HOSE SIZE	THREAD	MATERIAL
SCF13x6 BR	13 x 6	1/2" BSP PI.	Brass
SCF19x7 BR	19 x 7	3/4" BSP PI.	Brass
SCF25x7.5 BR	25 x 7.5	1" BSP PI.	Brass



BS EN 14423:2004 STEAM HOSE MALE COUPLING

PART NO.	HOSE SIZE	THREAD	MATERIAL
SCM13x6 BR	13 x 6	1/2" BSPT	Brass
SCM19x7 BR	19 x 7	3/4" BSPT	Brass
SCM25x7.5 BR	25 x 7.5	1" BSPT	Brass

Note: All BS EN 14423:2004 Couplings are available to special order only, Minimum quantities may apply.
All couplings supplied with clamp.

FOR DIN TYPE CLAMPS SEE PAGE 74