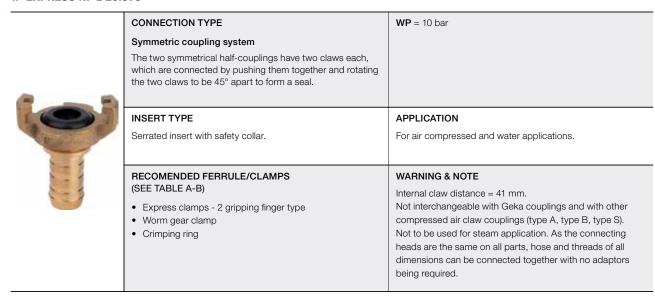
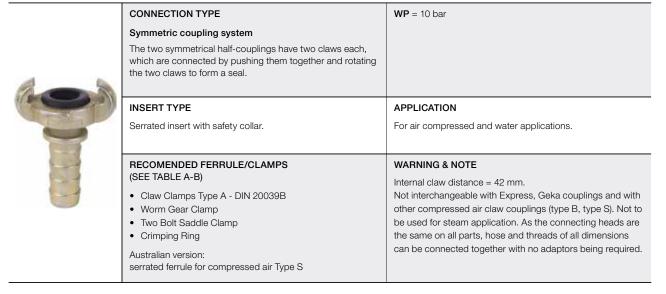
// INDUSTRIAL FITTINGS MANUAL

// COMPRESSED AIR

// EXPRESS NF E 29.573



// TYPE A CLAW COUPLING (EUROPEAN TYPE)



// TYPE A CLAW COUPLING (EUROPEAN TYPE)



CONNECTION TYPE

Symmetric coupling system

The two symmetrical half-couplings have two claws each, which are connected by pushing them together and rotating the two claws to form a seal.

For extra security, the presence of a safety pin inserted in the holes prevents accidental opening.

WP = 10 bar

Australian version

WP = 17.5 bar as per AS 2660/A requirements for air and

INSERT TYPE

Serrated insert with safety collar.

APPLICATION

For air compressed and water applications.

RECOMENDED FERRULE/CLAMPS

(SEE TABLE A-B)

- Claw Clamps Type A DIN 20039B
- Worm Gear Clamp
- Two Bolt Saddle Clamp
- Crimping Ring

Australian version: serrated ferrule for compressed air Type S

WARNING & NOTE

Internal claw distance = 42 mm.

Not interchangeable with Express, Geka couplings and with other compressed air claw couplings (type B, type S). Not to be used for steam application. As the connecting heads are the same on all parts, hose and threads of all dimensions can be connected together with no adaptors being required.

// TYPE B CLAW COUPLING (U.S. TYPE)



CONNECTION TYPE

Symmetric coupling system

The two symmetrical half-couplings have two claws each, which are connected by pushing them together and rotating the two claws to form a seal.

For extra security, the presence of a safety pin inserted in the holes prevents accidental opening.

WP = 10 bar

INSERT TYPE

Serrated insert with safety collar.

APPLICATION

For air compressed and water applications.

RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

- Claw Clamps Type B
- Crimping ring

WARNING & NOTE

Internal claw distance = 41 mm.

Not interchangeable with Express, Geka couplings and with other compressed air claw couplings (type A, type S). Not to be used for steam application. As the connecting heads are the same on all parts, hose and threads of all dimensions can be connected together with no adaptors being required.

// TYPE S CLAW COUPLING (AUSTRALIAN TYPE)



CONNECTION TYPE

Symmetric coupling system

The two symmetrical half-couplings have two claws each, which are connected by pushing them together and rotating the two claws to form a seal.

For extra security, the presence of a safety pin inserted in the holes prevents accidental opening.

 $\mathbf{WP} = 17.5$ bar as per AS 2660/A requirements for air and water.

INSERT TYPE

Serrated insert with safety collar.

APPLICATION

For air compressed and water applications.

RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

- Claw Clamps Type S Australian Type
- Claw Clamps Type S Australian Type with Safety Chain
- Serrated Ferrule for Compressed Air Type S

WARNING & NOTE

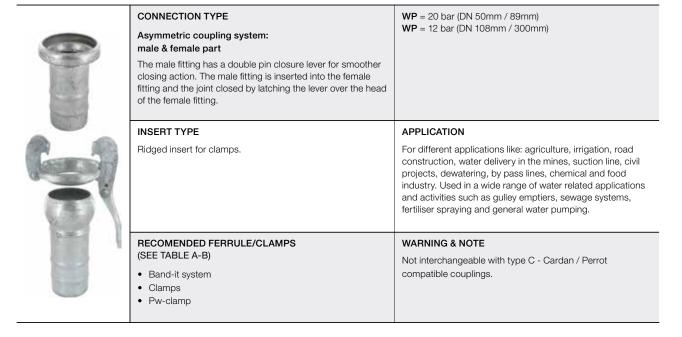
Internal claw distance = 45-74-117 mm (different for each DN). Not interchangeable with Express, Geka couplings and with other compressed air claw couplings (type A, type B).

// WATER

// TYPE GK CLAW COUPLING

	CONNECTION TYPE	WP = 10 bar
	Symmetric coupling system The two symmetrical half-couplings have two claws each, which are connected by pushing them together and rotating the two claws to form a seal.	
	INSERT TYPE Serrated insert without locking collar.	APPLICATION For agricultural, gardening, irrigation, construction and public service applications.
	RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) Band-it system Clamps Worm gear clamp Crimping ring Smooth ferrule	WARNING & NOTE Internal claw distance = 40 mm. Not interchangeable with Express couplings and with other compressed air claw couplings (type A, type B, type S). Not to be used for steam application. As the connecting heads are the same on all parts, hose and threads of all dimensions can be connected together with no adaptors being required.

// TYPE B - BAUER COMPATIBLE



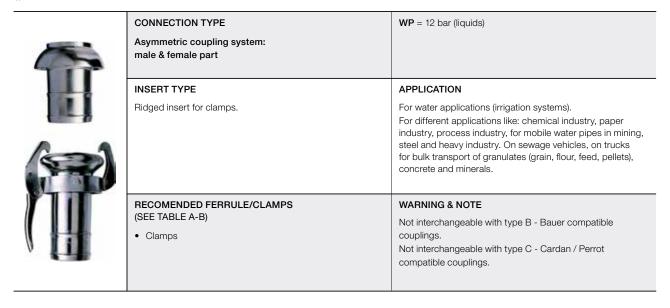
// TYPE C - CARDAN/PERROT COMPATIBLE

CONNECTION TYPE	WP = 12 bar
Asymmetric coupling system: male & female part The female fitting incorporates a thick o-ring seal and a closure lever with two-claws. The male fitting is inserted into the female fitting and the joint closed by latching the lever over the conical head of the male fitting.	
INSERT TYPE	APPLICATION
Ridged insert for clamps.	For agricultural, irrigation, cleaning and construction applications. Most commonly used with systems carrying water, mortar, bitumen, bulk products. They assure the delivery of several media like: potable drinking water, waste water, sludge, bentonite, cement, compressed air in the most various applications like the food, pharmaceutical and chemical industries, irrigation, mining and tunneling, civil projects and dewatering.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Band-it system	WARNING & NOTE Not interchangeable with type B - Bauer compatible couplings.
Clamps Pw-clamp	Coupings.

// VIDANGE

	CONNECTION TYPE Asymmetric coupling system: male & female part	WP = 6 bar
	INSERT TYPE	APPLICATION
	Serrated insert without locking collar.	For water applications.
	RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
1 1	Band-it system	
	• Clamps	
	Pw-clamp Smooth Ferrule	

// TYPE 42



// HYGIENIC - FOOD

// SMS 1145

	CONNECTION TYPE	WP = 6 bar
	Asymmetric coupling system: male & female threaded end	
	SMS food couplings are connected in the same way as DIN 11851 food couplings. The nut is slid across the head of the female coupling and onto the male coupling. The flat face of the female coupling is brought into contact with the turned-up seal of the male coupling. The nut is then tightened by hand or using a wrench. Threaded food couplings complying with SMS have a rounded thread complying with DIN 405/1. This rounded thread ensures that SMS food couplings are easy to connect by hand or using a wrench.	
E : 3	INSERT TYPE	APPLICATION
	Serrated insert with EN 14 420-2 / DIN 2817 collar.	Used in food, beverage, chemical and pharmaceutical industries.
	RECOMENDED FERRULE/CLAMPS	WARNING & NOTE
	(SEE TABLE A-B)	Supplied in Stainless Steel in order to meet the
-	Serrated ferrule for hygienic coupling	specifications of the Food Processing, Brewing, Dairy and Pharmaceutical industries.
		Food couplings complying with SMS (Swedish
		Manufacturing Standard) are not interchangeable with DIN 11851 food couplings. Although the threads of both couplings comply with DIN 405/1, precise dimensions vary,
		making them non-interchangeable. Female coupling = flat face
		Male coupling = turned-up seal
		Seal = square seal

// DIN 11851

CONNECTION TYPE

Asymmetric coupling system: male & female threaded end

The seal must be inserted correctly into the seal sitting of the male coupling before connection. The conical female coupling is then pushed onto the male threaded coupling. The two are secured by sliding the nut across the conical head of the female coupling and onto the thread of the male coupling. The flanged seal enables easy assembly and prevents any displacement by vacuum or pressure. Threaded food couplings complying with DIN 11851 have a rounded thread complying with DIN 405/1. This rounded thread ensures that DIN 11851 compliant food couplings are easy to connect by hand or using a wrench.

WP = 40 bar / 25 bar (DN 15 mm / 100 mm)



INSERT TYPE

EN 14 420-2 / DIN 2817 smooth insert with collar.

APPLICATION

Used in food, beverage, pharmaceutical and chemical industries.



RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

- Safety clamps en 14 420-3 / din 2817
- · Safety clamps flexoline®
- · Serrated ferrule for hygienic coupling

WARNING & NOTE

Supplied in Stainless Steel in order to meet the specifications of the Food Processing, Brewing, Dairy and Pharmaceutical industries.

Food couplings complying with DIN 11851 are not interchangeable with SMS food couplings. Although the threads of both couplings comply with DIN 405/1, precise dimensions vary, making them non-interchangeable.

Female coupling = conical face

Male coupling = deep seal

Seal = U-shape seal

// DIN 11851

CONNECTION TYPE

Asymmetric coupling system: male & female threaded end

The seal must be inserted correctly into the seal sitting of the male coupling before connection. The conical female coupling is then pushed onto the male threaded coupling. The two are secured by sliding the nut across the conical head of the female coupling and onto the thread of the male coupling. The flanged seal enables easy assembly and prevents any displacement by vacuum or pressure. Threaded food couplings complying with DIN 11851 have a rounded thread complying with DIN 405/1. This rounded thread ensures that DIN 11851 food couplings are easy to connect by hand or using a wrench.

 $\mathbf{WP} = 40 \text{ bar} / 25 \text{ bar (DN 15 mm} / 100 \text{ mm)}$



INSERT TYPE

Serrated insert with EN 14 420-2 / DIN 2817 collar.

APPLICATION

Used in food, beverage, pharmaceutical and chemical industries.

RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

• Serrated ferrule for hygienic coupling

WARNING & NOTE

Supplied in Stainless Steel in order to meet the specifications of the Food Processing, Brewing, Dairy and Pharmaceutical industries.

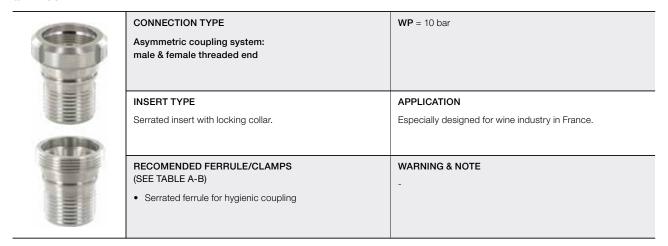
Food couplings complying with DIN 11851 are not interchangeable with SMS food couplings. Although the threads of both couplings comply with DIN 405/1, precise dimensions vary, making them non-interchangeable.

Female coupling = conical face

Male coupling = deep seal

Seal = U-shape seal

// MACON



// STEAM

// EN 14 423 / DIN 2826



CONNECTION TYPE

Asymmetric coupling system: male & female threaded end

Symmetric coupling system:

flanged end

Steam couplings complying with EN 14423/ DIN 2826 are available in female and male threaded screw couplings and in flanged couplings.

WP max = 18 bar with a temperature of 210° C / BP=180 bar

INSERT TYPE

EN 14 423 / DIN 2826 serrated insert with collar.

APPLICATION

To be used for saturated steam (up to +210 $^{\circ}$ C) and hot water (up to +120 $^{\circ}$ C) with a working pressure up to 18 bar.

RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

• Safety clamps EN 14 423 / DIN 2826

WARNING & NOTE

Steam couplings complying with EN 14423 / DIN 2826 are used to assemble steam hoses complying with EN ISO 6134. The serrated hose shank with collar is designed to be assembled with steam clamps complying with EN 14423 / DIN 2826. Under no circumstances safety clamps EN 14420-3 / DIN 2817 shall be used. Compared with EN 14420-2 / DIN 2817 smooth hose shanks, steam hose shanks complying with EN 14423 / DIN 2826 are serrated and are physically longer and larger.

// GROUND JOINT SEAL



CONNECTION TYPE

Asymmetric coupling system: male & female threaded end

The coupling system consists of a male threaded insert (with a serrated hose shank with safety collar for safety clamps) and a female threaded complete coupling composed by 3 elements: a female stem (with a serrated hose shank with safety collar for safety clamps), a female threaded spud and a swivel nut.

WP max = 41 bar

INSERT TYPE

Serrated insert with safety collar.

APPLICATION

Designed for steam and high pressure compressed air and other high pressure or hazardous applications requiring a safety coupling and clamp assembly. This reusable, rugged coupling can be fitted or re-attached in the field without special equipment. Widely used in oil refineries, chemical plants and other factories using steam as an essential service. Used for compressed air (especially in larger sizes), in quarrying, mining, pile driving, as well as other service duties. Also used for LPG, grouting, volatile liquids and similar applications.

RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

- Clamps 2 Bolt 2 Gripping Finger Type
- Clamps 4 Bolt 2 Gripping Finger Type
- Clamps 6 Bolt 3 Gripping Finger Type

WARNING & NOTE

/

// TURNEX P

CONNECTION TYPE Asymmetric coupling system: female threaded end	WP = 25 bar
INSERT TYPE Serrated insert with locking collar / serrated insert without locking collar.	APPLICATION Used in petrochemical plants in France.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Alfacrimp hydraulic serrated ferrule (H1200004-xx0000)	WARNING & NOTE /

// SYMMETRIC GUILLEMIN

// SYMMETRIC GUILLEMIN NF E 29.572

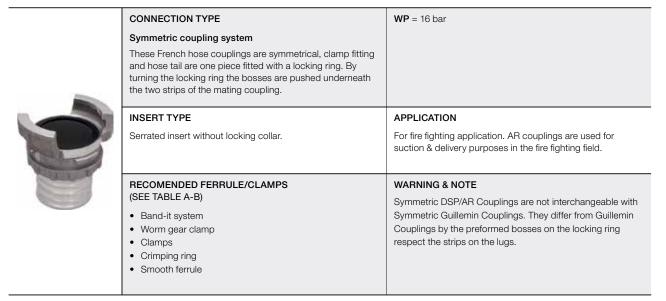
CONNECTION TYPE	WP = 16 bar
Symmetric coupling system A coupling system in which both halves are identical. Couplings have locking rings to connect and secure the other half. This is the French standard tanker connection. The coupling is connected by simply putting the two halves together and turning a tapered locking ring which tightens into a tapered channel on the other half of the coupling making a tight, secure connection. Couplings can be connected by hand or with the aid of spanners designed for the purpose.	
INSERT TYPE Serrated insert with locking collar / serrated insert without locking collar.	APPLICATION For pressure and suction delivery of liquid (general industrial, water, hydrocarbons, chemicals) and solids (powders, granules).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Band-it system • Clamps • Crimping ring • Smooth ferrule	WARNING & NOTE Symmetric Guillemin Couplings are not interchangeable with DSP/AR couplings. Not to be used for steam or liquid gas application.

// SYMMETRIC DSP & AR (NF S 61.704 - NF S 61.705)

// SYMMETRIC DSP NF S 61.704

CONNECTION TYPE	WP = 16 bar
Symmetric coupling system These French hose couplings are symmetrical, clamp fitting and hose tail are one piece fitted with a locking ring. By turning the locking ring the bosses are pushed underneath the two strips of the mating coupling.	
INSERT TYPE	APPLICATION
Serrated insert without locking collar.	For fire fighting application. DSP couplings are used for pressure (delivery) purposes in the fire fighting field.
RECOMENDED FERRULE/CLAMPS	WARNING & NOTE
(SEE TABLE A-B)	Symmetric DSP/AR Couplings are not interchangeable with
Band-it system Worm gear clamp	Symmetric Guillemin Couplings. They differ from Guillemin Couplings by the preformed bosses on the locking ring
• Clamps	respect the strips on the lugs.
Crimping ring Smooth ferrule	
• Smoothertue	

// SYMMETRIC AR NF S 61.705



// GFR - ROUND THREAD COUPLING NF E 29.579

// GFR - ROUND THREAD COUPLING NF E 29.579

CONNECTION TYPE Asymmetric coupling system male & female threaded end	WP = 16 bar WP = 25 bar (DN 20 mm)
INSERT TYPE	APPLICATION
Serrated insert without locking collar.	For air, nitrogen and water in petrochemical plants and refineries in France.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Band-it system • Clamps • Crimping ring • Smooth ferrule	WARNING & NOTE /

// STORZ

// STORZ

	CONNECTION TYPE	WP = 16 bar
	Symmetric coupling system A straight through coupling in which both halves are identical. Each half has forward projecting lugs and mating recesses. Any two parts with the same lug dimensions will connect together. This is the standard German tanker connection. The coupling is connected by simply locating the lugs into the recesses of each half and turning clockwise up to the stop (a 120° rotation). One half of the coupling normally has a swivel head which prevents hose / pipe twists when connecting. Couplings can be connected by hand or with the aid of spanners designed for the purpose.	
	INSERT TYPE Ridged insert for clamps.	APPLICATION Used for liquids, powders and granulates. The storz system was originally designed for fire fighting equipment. it is suitable for water and a wide range of other fluids. It has also been adopted for use with powder blowing systems.
	RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Band-it system • Clamps • Crimping ring • Smooth ferrule	WARNING & NOTE Different lug spaced units can be used to prevent accidental cross line contamination.

// TANKWAGEN

// TANKWAGEN EN 14 420-6 / DIN 28 450

	CONNECTION TYPE	WP = 25 bar
	Asymmetric coupling system male & female part	
	To be screwed on BSPP male fittings. The locking lever fitted to the female (MK) coupling engages in the rim of the male (VK) part. It's turned until both halves are tightly compressed. The locking lever is then pushed downwards.	
The state of the s	INSERT TYPE	APPLICATION
		Used for trasport of liquids, solids and gases, with exception of liquiefied gas and steam. Potential areas of application are stationary and mobile tanking facilities, forwarding/ tanking and silo vehicles, chemical industry, food industry, plant and power station construction and shipbuilding.
4	Recomended Ferrule/Clamps	WARNING & NOTE
	(See table A-B)	/

// CAM & GROOVE

// CAM & GROOVE MIL A-A-59326A / MIL C-27487

	CONNECTION TYPE	WP = 11 bar / 3 bar (DN 1/2" / 8")
震	Asymmetric coupling system: male adapter & female coupler The coupling is connected by simply opening the coupler arms and inserting the adapter into the coupler. The cam arms are then closed under normal hand pressure to complete joint.	
	INSERT TYPE	APPLICATION
	Ridged insert for clamps / serrated insert without locking collar.	Used for trasfer of liquid or dry bulk products with exception of liquid gas or steam. For pipe, hose, tubing and tanks conveying liquids, powders, vapours & gases including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets and many more. Couplings applicable to almost any industry that uses liquids, powders and gases.
	RECOMENDED FERRULE/CLAMPS	WARNING & NOTE
	(SEE TABLE A-B)	Not to be used for compressed air and steam application.
	Band-it system Worm gear clamp	
	• Clamps	
	Smooth ferrule	

// CAM & GROOVE EN 14 420-7 / DIN 2828

	CONNECTION TYPE	WP = 18 bar / 7 bar (DN 3/4" / 4")
	Asymmetric coupling system: male adapter & female coupler The coupling is connected by simply opening the coupler arms and inserting the adaptor into the coupler. The cam arms are then closed under normal hand pressure to complete joint.	
	INSERT TYPE	APPLICATION
	EN 14 420-2 / DIN 2817 smooth insert with collar.	Used for trasfer of liquid or dry bulk products with exception of liquid gas or steam. For pipe, hose, tubing and tanks conveying liquids, powders, vapours & gases including cooling water, fuels, chemicals, cosmetics, foodstuffs, offshore, pumps, adhesives, dyes, pharmaceuticals, pellets and many more. Couplings applicable to almost any industry that uses liquids, powders and gases.
ATTA	RECOMENDED FERRULE/CLAMPS	WARNING & NOTE
	(SEE TABLE A-B)	Not to be used for steam or liquid gas application.
	Safety clamps EN 14 420-3 / DIN 2817	Couplings CAM & GROOVE (EN 14420-7 / DIN 2828) are
	 Safety clamps flexoline ® 	interchangeable with couplings CAM & GROOVE (MIL C - 27.487) as coupling side but differ in term of hose shank design and thread side. A flat PTFE thread seal has been added to teh female threaded parts comapred to Cam & Groove (MIL C - 27.487).

// COMBINATION NIPPLE

// COMBINATION NIPPLE FOR CLAMPING

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CONNECTION TYPE
Asymmetric coupling system:
male threaded end
Symmetric coupling system:
plain end

WP = 10 bar
The WP varies with size of the combination nipple, the size and construction of the hose and the type of clamping system used.

INSERT TYPE

APPLICATIONFor all suction and discharge hose applications at low pressure. For oil, petroleum, water (widely used in offshore

rig operations by oil companies), volatile fluids, abrasives and dry products.

RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)

Serrated insert without locking collar.

WARNING & NOTE

Band-it system

Worm gear clamp

Not to be used for compressed air application. Hose nipples made from tubular stock; threaded male end, in all style, has the same size as hose.

ClampsSmooth ferrule

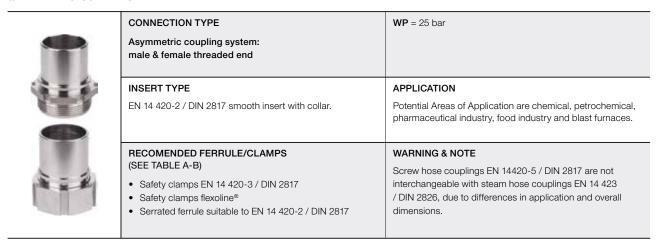
// ALFACRIMP COMBINATION NIPPLE



CONNECTION TYPE Asymmetric coupling system: Male threaded end	WP = 25 bar
INSERT TYPE	APPLICATION
Industrial "one-piece" (precrimped serrated insert).	For all suction and discharge hose applications at low pressure. For oil, petroleum, water (widely used in offshore rig operations by oil companies), volatile fluids, abrasives and dry products.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
• DN ≥ 3": industrial precrimped ferrule	

// EN 14 420-5 / DIN 2817

// EN 14 420-5 / DIN 2817



// AVIATION

// EN 14 420-5 / DIN 2817



CONNECTION TYPE Asymmetric coupling system: male & female threaded end	WP = 25 bar
INSERT TYPE EN 14 420-2 / DIN 2817 smooth insert with collar.	APPLICATION For aircraft ground fuelling and defuelling application.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Safety clamps EN 14 420-3 / DIN 2817 • Serrated ferrule	WARNING & NOTE Different from the standard screw hose couplings EN 14420-5 / DIN 2817 for the material: produced in tinned brass for aviation refuelling service.

// BSPP MALE THREADED FITTING



CONNECTION TYPE Asymmetric coupling system: male threaded end	WP = 25 bar
INSERT TYPE Serrated insert with EN 14 420-2 / DIN 2817 collar.	APPLICATION For aircraft ground fuelling and defuelling application.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Safety clamps EN 14 420-3 / DIN 2817 • Serrated ferrule	WARNING & NOTE /

// SANDBLAST

// SANDBLAST - QUICK COUPLING



CONNECTION TYPE	WP = 12 bar
Symmetric coupling system	
A coupling system related to claw couplings, always identical head dimensions and therefore always interchangeable.	
INSERT TYPE	APPLICATION
External insert secured by screws into the hose.	Used on all stationary and mobile blasting machines and plants.
Recomended Ferrule/Clamps	WARNING & NOTE
(See table A-B)	Internal claw distance = 58 mm
1	

// MORTAR

// MORTAR - INSERT FOR CLAMPS

	CONNECTION TYPE	WP max = 50 bar
	Asymmetric coupling system: male adapter & female coupler	
	Asymmetric coupling system: male threaded end	
	The principle of the Mortar coupling is similar to Cam & Groove Coupling, but both are not interchangeable.	
7	INSERT TYPE	APPLICATION
	Serrated insert without locking collar.	For mortar and concrete lines on pumps, spraying-devices, plastering machine, ect.
THE PERSON NAMED IN	RECOMENDED FERRULE/CLAMPS	WARNING & NOTE
	 (SEE TABLE A-B) Band-it system Crimping ring Smooth ferrule 	Note that there are two different Systems used in the market: System 22 and System 23,5.Attention: only fittings with same coupling-size and same system are interchangeable.

// MORTAR - INSERT FOR SERRATED FERRULE

	CONNECTION TYPE	WP max = 50 bar
	Asymmetric coupling system: male adapter & female coupler	
	Asymmetric coupling system: male threaded end	
	The principle of the Mortar coupling is similar to Cam & Groove Coupling, but both are not interchangeable.	
	INSERT TYPE	APPLICATION
	Serrated insert with locking collar.	For mortar and concrete lines on pumps, spraying-devices, plastering machine, ect.
	RECOMENDED FERRULE/CLAMPS	WARNING & NOTE
	(SEE TABLE A-B)	Note that there are two different Systems used in the
	Serrated ferrule	market: System 22 and System 23,5.Attention: only fittings with same coupling-size and same system are interchangeable. Not present in ALFAGOMMA catalogue.

// CONCRETE

// CONCRETE - HARDENED INSERT COMPLETE WITH PRECRIMPED FERRULE

CONNECTION TYPE	WP = 100 bar
Symmetric coupling system: grooved end - indirect connection through joint clamps • Victaulic style • Shouldered style • California style Asymmetric coupling system: male & female threaded end • BSPT/NPT male • BSPP female Asymmetric coupling system: male & female part • Schwing style	
INSERT TYPE	APPLICATION
Concrete "one-piece" (precrimped serrated insert).	For high pressure concrete pumping.
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) Concrete precrimped ferrule	WARNING & NOTE /

// FLANGED FITTING

// FIXED FLANGE EN 1092-1 PN 10/16 - SERRATED INSERT COMPLETE WITH PRE-CRIMPED FERRULE

	CONNECTION TYPE Symmetric coupling system: flanged end	WP = 16 / 25 bar
-	INSERT TYPE	APPLICATION
	Industrial "one-piece" (precrimped serrated insert).	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
	RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
	DN = 3"- 6": industrial precrimped ferrule	

// FIXED FLANGE EN 1092-1 PN 10/16 - SERRATED INSERT

CONNECTION TYPE	WP = 16 / 25 bar
Symmetric coupling system: flanged end	
 INSERT TYPE	APPLICATION
Serrated insert with locking collar.	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
Serrated ferrule	

// FIXED FLANGE ASME ANSI B 16.5 - ASA 150 - SERRATED INSERT COMPLETE WITH PRE-CRIMPED FERRULE

CONNECTION TYPE Symmetric coupling system: flanged end	WP = 16 / 25 bar
INSERT TYPE	APPLICATION
Industrial "one-piece" (precrimped serrated insert).	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
DN = 3"- 6": industrial precrimped ferrule	

// FIXED FLANGE ASME ANSI B 16.5 - ASA 150 - SERRATED INSERT

CONNECTION TYPE Symmetric coupling system: flanged end	WP = 16 / 25 bar
 INSERT TYPE	APPLICATION
Serrated insert with locking collar.	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
Serrated ferrule	

// SWIVEL FLANGE EN 1092-1 PN 10/16 - SERRATED INSERT COMPLETE WITH PRE-CRIMPED FERRULE

CONNECTION TYPE Symmetric coupling system: flanged end	WP = 16 / 25 bar
INSERT TYPE	APPLICATION
Industrial "one-piece" (precrimped serrated insert).	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
DN = 3"- 6": industrial precrimped ferrule	/
• איט = 3 - ס . iliuusutai preciliripea terrule	

// SWIVEL FLANGE EN 1092-1 PN 10/16 - SERRATED INSERT

	CONNECTION TYPE Symmetric coupling system:	WP = 16 / 25 bar
	flanged end	
	INSERT TYPE	APPLICATION
3112	Serrated insert with locking collar.	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
	RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B)	WARNING & NOTE
	Serrated ferrule	

// SWIVEL FLANGE EN 1092-1 PN 10/16 - EN 14 420-2 / DIN 2817 HOSE SHANK

CONNECTION TYPE	WP = 25 bar
Symmetric coupling system: flanged end	
INSERT TYPE	APPLICATION
EN 14 420-2 / DIN 2817 smooth insert with collar.	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Safety clamps EN 14 420-3 / DIN 2817 • Safety clamps flexoline®	WARNING & NOTE /
	Symmetric coupling system: flanged end INSERT TYPE EN 14 420-2 / DIN 2817 smooth insert with collar. RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Safety clamps EN 14 420-3 / DIN 2817

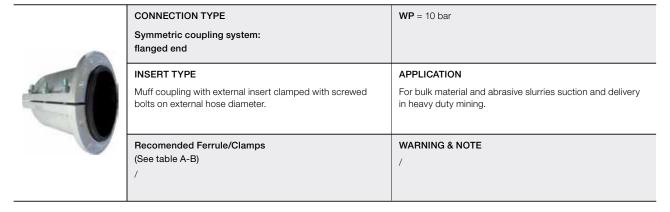
// SWIVEL FLANGE ASME ANSI B 16.5 - ASA 150 - SERRATED INSERT COMPLETE WITH PRE-CRIMPED FERRULE

	CONNECTION TYPE Symmetric coupling system: flanged end	WP = 16 / 25 bar
	INSERT TYPE Industrial "one-piece" (precrimped serrated insert).	APPLICATION For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
	RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • DN = 3"- 6": industrial precrimped ferrule	WARNING & NOTE /

// SWIVEL FLANGE ASME ANSI B 16.5 - ASA 150 - SERRATED INSERT

CONNECTION TYPE Symmetric coupling system:	WP = 16 / 25 bar
flanged end	
INSERT TYPE	APPLICATION
Serrated insert with locking collar.	For all suction and discharge hose applications at low pressure. For oil, petroleum, water and other fluids (chemicals included).
RECOMENDED FERRULE/CLAMPS (SEE TABLE A-B) • Serrated ferrule	WARNING & NOTE /

// FIXED FLANGE - SPLIT COUPLING - AS 2129 TABLE D



// CLAMPS & FERRULES FOR ASSEMBLY

// INSERT TYPE

Drawing example	Insert type (ind)	Ferrule/clamps To be used for assembly
	Serrated insert with locking collar	Serrated ferrule
	Serrated insert without locking collar	Smooth ferrule - Crimping ring - Clamps - Band-it
	Standard insert for clamp Ridged insert for clamp	Smooth ferrule - Crimping ring - Clamps - Band-it
	Serrated insert with EN 14 420-2 - DIN 2817 collar	EN 14 420-3 - DIN 2817 safety clamps Serrated ferrule suitable for EN 14 420-2 - DIN 2817 hose shank
	EN 14 420-2 - DIN 2817 smooth insert with collar	EN 14 420-3 - DIN 2817 safety clamps
	EN 14 423 - DIN 2826 serrated insert with collar	EN 14 423 - DIN 2826 safety clamps
	Concrete "One-piece" - Precrimped serrated insert (full flow)	Concrete serrated ferrule already precrimped to the fitting
	Industrial "One-piece" - Precrimped serrated insert	Industrial serrated ferrule already precrimped to the fitting
	External insert fixed by screws	Secured by screws into the hose (no ferrule & clamps needed)
	External insert - Muff coupling	Clamped by screwed bolts on external hose diameter (no ferrule & clamps needed)
	Composite hose insert (helical hose shank)	Smooth ferrule for composite hose
	Built-in insert	Insert bonded to hose during construction (no ferrule needed)

// TABLE A: FERRULES

Ferrule type (ind)	Ferrule drawing
	Crimping ring
	Smooth ferrule for composite hose (Suitable for industrial hose)
	Serrated ferrule
	Industrial precrimped serrated ferrule
	Concrete precrimped serrated ferrule

// TABLE B: CLAMPS

Clamps drawing	Clamp family
	Express clamps
	Type A claw clamps - DIN20039B
	Type B claw clamps
	Type S (australian type) claw clamps
	Loose saddle&saf.Claw clamps
	Boss clamps - ground joint
	Safety clamps EN 14 423 / DIN 2826
E e	Safety clamps EN 14 420-3 / DIN 2817
	Loose saddle clamps
₩O.	Loose saddle clamps - DIN20039A

// TABLE B: CLAMPS

Clamps drawing	Clamp family
	Ear pinch on clamp
	Miniclamp
	Worm gear clamp
0	Spiral clamp - double bridge
	Bolt superclamp
	PW clamp
BO &	Band-it band & band-it buckles
60	Preformed band clamp
8	Rubber lined clips
	Exhaust pipe clamp