

# Banlaw LubeCentral™





Banlaw's Flush Face  
Receivers, Evacuation  
Coupling, and Grease  
Transfer Coupling

# Banlaw LubeCentral™

**Control contamination, reduce wear and manage your fluid assets  
with Banlaw LubeCentral™**

Our LubeCentral range of couplings is designed to fill and evacuate a wide range of fluids. This helps all heavy industries, including mining and rail businesses that want to service key equipment cleanly, and quickly. LubeCentral™ products have been specifically created for the job.

They avoid contamination and cross-contamination of fluids, and maximise flow rates due to engineering design focused on optimising the fluid path.

Banlaw LubeCentral™ is a robust range of fluid couplings engineered to safely and efficiently transfer oils,

grease and coolants in heavy industrial environments. The nozzles contain an industry standard ball-lock latching system for a stronger lock connection, as well as "Dry Break" technology to eliminate spillage.

The nozzles and mating receivers contain an industry standard ball-lock latching system for a stronger lock connection, as well as 'dry break' technology to eliminate spillage.



## Benefits of Banlaw LubeCentral™

### Flush Face to Minimise Contamination

Both the nozzle and mating receivers are a Flush Face design, without the traditional deep recesses to trap harmful contamination between mating fittings. This minimises the extent of contamination entering the fluid stream during servicing and reduces wear on mating seals and other components within the fittings.

### Colour Coded

Each set is uniquely colour coded to assist the operator in identifying mating fittings. Only paired nozzles and receivers will connect.

### Higher Flow Capability to Provide More Efficient Service Intervals

Banlaw's LubeCentral™ fittings offer excellent flow rates due to sound engineering design focused on the internal fluid flow path. Common threaded connection sizes are available in sizes 3/4" all the way up to 1-1/4" NPT.

### Push-to-Connect

Without the need to manually retract the nozzle actuating collar during connection, the operator needn't struggle to ensure proper engagement of the fittings.

### Banlaw Durability

The entire LubeCentral range is 'designed for the job'. It retains the recognisable Banlaw features including secure ball-lock latching mechanisms and rugged zinc electroplated steel construction of vital parts. This maximises the working life of each fitting and provides a safer work environment for the operator, even in harsh environments.







# Banlaw LubeCentral™ Flush Face Range

**Mitigate contamination from site-related dirt and fluid cross-contamination**

The combination of aligned mating surfaces and heavy duty dust caps in Banlaw's Flush Face range drastically reduces premature component wear.

Each size fitting is unique and colour coded to prevent accidental connection. This stops cross contamination between differing fluid types. It is impossible to connect couplings which are not paired. The Flush Face coupling is designed to enable the operator to wipe the coupling faces clean before connecting the transfer hose.

No exposed deep recesses means that only clean oil, grease or other fluid is transferred from the service unit to the machine.

The Flush Face range has a push-to-connect system that makes them simple and easy to use.

To reduce service times, our Flush Face range should be combined with the Banlaw Evacuation Coupling (BEC). The Banlaw Evacuation Coupling can connect with all receivers in the Flush Face range, aside from the size 0 and the GTX.

Each nozzle and receiver is supplied with a matching aluminium cap, to reduce wear and contamination.

Banlaw's range of Flush Face couplings extends the capital life of equipment and reduces service times.



## Connect-Under-Pressure Coupling

The Size 11 nozzle and receiver in our Flush Face range was specifically designed to connect whilst the transfer line is subjected to residual line pressure. It can be used with oils and other fluids used in mining, rail, ports and other heavy industries.

Banlaw's Size 11 Flush Face receiver is fabricated from high tensile steel, and case-hardened with nickel electroless plating to extend product life when used under heightened pressures.

Size  
11



For fluid transfer with  
extra strength.

## Banlaw Micro Flush Face Coupling

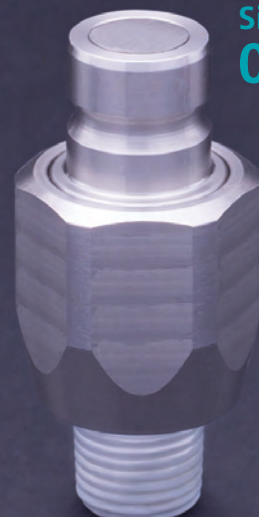
Banlaw's Size 0 receiver and nozzle combination is the smallest in the flush face range. The Size 0 is perfect for a range of applications where a larger set of couplings would not be required or appropriate, such as:

- ▶ Dosing
- ▶ Withdrawing product samples for analysis
- ▶ Introducing specialised equipment to a system for analysis
- ▶ Use as a temporary pressure tap for pipeline analysis

100% stainless steel construction of all metal components ensure that the receiver is not prone to corrosion. The Size 0 receiver and nozzle are durable items that can be placed into any system and can be ready to use even after long periods of neglect.

The Size 0 receiver does not couple with the Banlaw Evacuation Coupling.

Size  
0



For specialist applications  
such as uniform sampling.





# Grease Transfer Coupling

**A world-first innovation in grease transfer providing a step-change in safety and performance**

Transferring grease under pressure has long been difficult, messy, dangerous and slow. The Grease Transfer Coupling (GTX) is your solution to removing these issues from the grease transfer process.

## Ease of Use

The GTX Nozzle has a 'positive connect' feel, whilst retaining a Flush Faced design. This means operators intuitively know when the product is correctly aligned, making it easier to connect.

## Safety

Unlike open-bore products, the Grease Transfer Coupling does not allow high pressure grease to be ejected from the Nozzle. Grease injection injuries and operator sprays are a thing of the past on sites which use the Banlaw GTX.

When the Grease Transfer Coupling is disconnected, the flow of grease is ceased immediately. This avoids wasted product, but also reduces the slips and falls which often occur in areas where grease transfer activities are undertaken.

## Cleanliness

The GTX Nozzle and Receiver both include features to cease the flow of product. Grease cannot keep flowing through the Nozzle after it has been disconnected, nor can it ooze back out through the receiver after filling is complete. The Nozzle and Receiver have been designed to separate cleanly.

## Savings

Nozzles and Receivers exhibiting Flush Faced design are far less likely to allow contaminants into your machines. Operators simply wipe, and connect. Avoiding down-time from contamination-related faults improves site productivity, and prolongs the life of key machines.

## Productivity

Independently reviewed; our GTX Couplings have been tested against a range of common grease transfer products. These tests showed that Banlaw's GTX Couplings allowed the highest flow rates. At a pressure behind the nozzle of 150psi, GTX Coupling flow rates were 40% higher than the closest flush faced competitor product.

Further to this, the Banlaw GTX Nozzle can be connected with residual pressure in the line. The connect-under-pressure feature, along with accelerated transfer rates mean that task duration is significantly reduced.

Banlaw LubeCentral™ Flush Face range									The Banlaw LubeCentral™ Flush Face Range is now available in Arctic Range / Extreme Climate variants.
Size	Colour	Pressure				BEC-B Compatible	Part Number	Thread Style	
		Nozzle SWP		Coupling SWP					
		MPa	psi	MPa	psi				
0	Silver (steel)	10	1450	10	1450	✗	BPLR0 BPLN0	¼" BSP (M) ¼" BSP (F)	<p><b>SWP:</b> Safe Working Pressure (maximum recommended working pressure)</p> <p><b>Thread Style:</b> All threads are NPT with the exception of Size 0 which are BSPT, and the Grease Transfer Coupling receiver which comes in NPT or UNO</p> <p><b>Thread connection:</b> All receivers are male (M) threads. All nozzles are female (F) threads.</p> <hr/> <p>* To ensure coolant cannot be evacuated and mixed with other waste fluids, choose one of these product variants. These receivers will not connect to the Banlaw Evacuation Coupling.</p>
1	Brass	6.5	943	6	870	✓	BPLR1AE BPLR1BE BPLR1AN BPLR1BN BPLN1BN	½" (M) ¾" (M) 1/2" (M) * 3/4" (M) * ¾" (F)	
2	Gold	10	1450	8.75	1269	✓	BPLN1CN BPLR2BE BPLR2CE BPLN2BN BPLN2CN	1" (F) ¾" (M) 1" (M) ¾" (F) 1" (F)	
3	Red	6.75	979	8.75	1269	✓	BPLR3BE BPLR3CE BPLN3BN BPLN3CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
4	Black	6.5	943	7	1015	✓	BPLR4BE BPLR4CE BPLN4BN BPLN4CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
5	Green	7	1015	5	725	✓	BPLR5BE BPLR5CE BPLN5BN BPLN5CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
6	Blue	5	725	4.5	653	✓	BPLR6CE BPLR6DE BPLN6CN BPLN6DN	1" (M) 1 ¼" (M) 1" (F) 1 ¼" (F)	
7	Purple	12.63	1832	8.88	1288	✓	BPLR7BE BPLR7CE BPLN7BN BPLN7CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
8	Platinum	11	1595	11.25	1632	✓	BPLR8BE BPLR8CE BPLN8BN BPLN8CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
9	Bronze	11.75	1704	9.5	1378	✓	BPLR9BE BPLR9CE BPLN9BN BPLN9CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
10	Orange	8.25	1197	11.25	1632	✓	BPLR10BE BPLR10CE BPLN10BN BPLN10CN	¾" (M) 1" (M) ¾" (F) 1" (F)	
11	Silver (steel)	10	1450	9.7	1407	✓	BPLR11BE BPLR11CE BPLN11BP BPLN11CP	¾" (M) 1" (M) ¾" (F) 1" (F)	
Grease Transfer Coupling		25	3626	20	2900	✗	GTXNBN GTXNCN GTXRA GTXRB GTXRC GTXRBO	¾" (F) 1" (F) ½" (M) ¾" (M) 1" (M) ¾" UNO (M)	
Banlaw Evacuation Coupling		NA	NA	-0.1 to -0.5	-14.5 to -73 psi	NA	BEC-B	1" (F)	



# Banlaw Evacuation Coupling

**Rapid, no-spill evacuation of waste fluids**

Banlaw's Evacuation Coupling (BEC-B) transforms waste fluid removal practices. Using just one BEC-B, service teams can connect to all the Banlaw Flush Face receivers from size 1 to size 11. Waste products are evacuated using a vacuum rather than gravity to reduce fluid removal times.

The Banlaw Evacuation Coupling has a fluid-tight connection, which prevents spillage during the evacuation process. It is dry-break, and incorporates a dependable ball-lock latching mechanism.

As with the entire LubeCentral range, the BEC-B has a fluid path that is optimised for higher transfer rates.

Each BEC-B is fitted with an internal check valve, which means no waste products can be mistakenly pumped back into your machines.





# Banlaw LubeCentral™ Classic Range

Banlaw's Classic range of couplings has been proven in some of the world's harshest environments for over 20 years. Today the classic range is still relevant, and is the desired choice where the use of non-ferrous metals is not permitted, or where cross compatibility with some non-Banlaw couplings is required.

Banlaw's Classic range is heavily utilised for many underground fluid transfer applications. Each of the nozzles

and receivers in the range is available in various threaded tail sizes and types.

A unique coupling is provided for each oil, grease or coolant type, eliminating the possibility of cross-contamination. We recommend the use of plugs and caps to reduce wear and contamination. There is a matching cover available for each nozzle and receiver.

Type	Coupling	Pressure				Basic Fitting Part Number	Tailpiece Part Numbers		
		SWP		Coupling SWP			1/2" NPT	3/4" NPT	1-1/16" JIC
		MPa	psi	MPa	psi				
Crankcase	Nozzle	3	435	4.75	690	AUS29W	29W-B	STD	29WB/H
	Receiver	10	1450			AUS27W	27W-B	STD	27WB/H
Transmission	Nozzle	4.25	615	11.5	1670	AUS32W	32W-B	STD	32WB/H
	Receiver	10	1450			AUS33W	STD	-	33WB/H
Hydraulic	Nozzle	10	1450	4	580	AUS34A	*	STD	34AB/H
	Receiver	10	1450			AUS41A	*	STD	41AB/H
Coolant	Nozzle	10	1450	7.5	1090	AUS36A	36A-B	STD	36AB/H
	Receiver	10	1450			AUS37W	STD	-	37WB/H
Push-to-connect	Nozzle	1.5	217	10	1450	AUS39W	*	STD	-
	Receiver	10	1450			AUS38W	*	STD	38WB/H
Hi-Flow	Nozzle	2.5	365	2.5	365	AUS81A	1" NPT (F)		
	Receiver	6	870			AUS80A	1-5/8"-12" UN (F) and 1-7/8"-12UN (M)		
One Way Valve	-	**	**	-	-	AUS3W	-	-	-

## Legend:

SWP: Safe Working Pressure (maximum recommended working pressure)

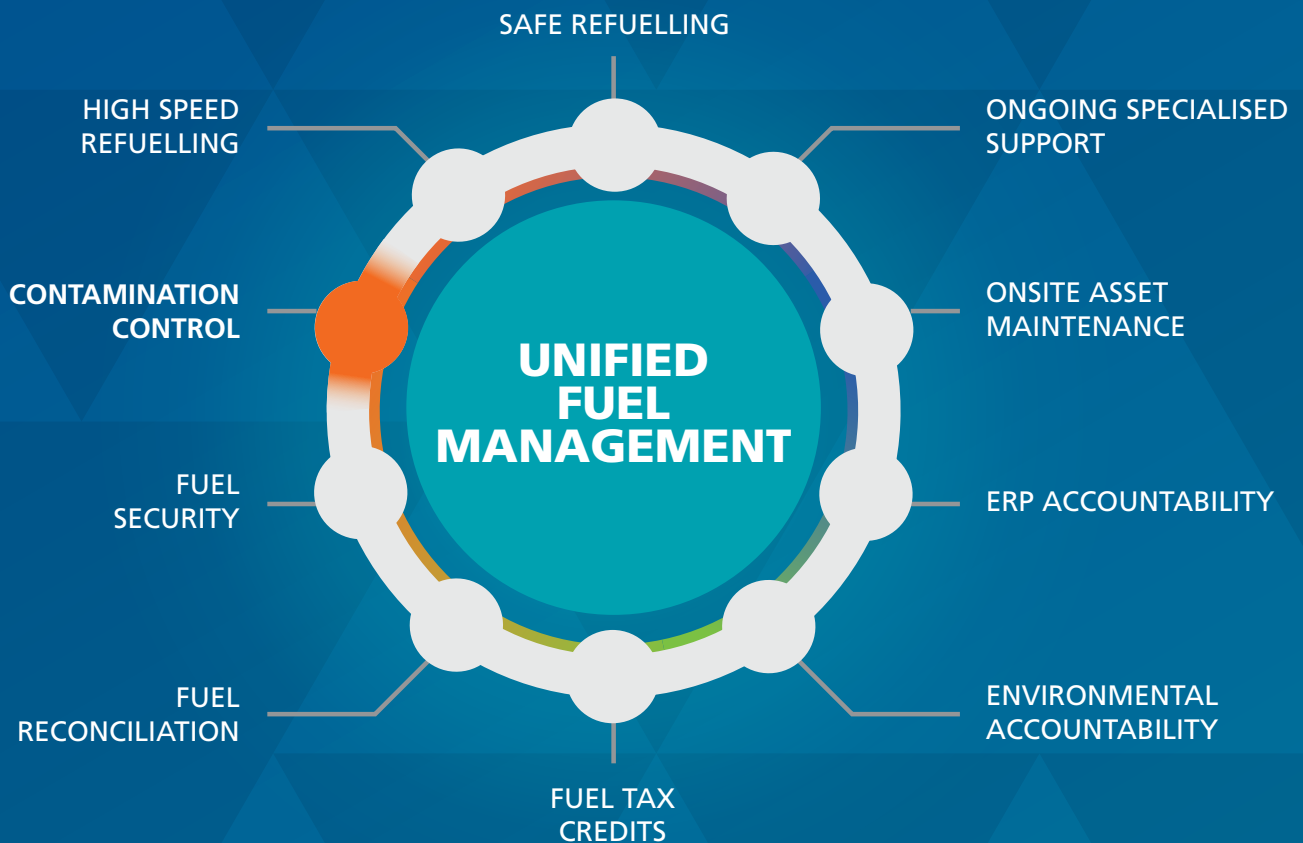
STD: supplied as standard – option not applicable

\* Not standard product – but can be supplied on request

\*\* Contact Banlaw

## Banlaw's LubeCentral™ range is just part of our pioneering Unified Fuel Management process.

We have solutions to optimise fueling, lubrication and hydrocarbon management across your fleet. When combined and integrated, our Unified Fuel Management system delivers productivity, efficiency and cost reductions like no other.



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