

# TODO<sup>®</sup>



## DRY-BREAK HOSE COUPLINGS



**GUYSON**



FS 28046

# TODO®

## DRY-BREAK HOSE COUPLINGS FOR SPILL-FREE LIQUIDS HANDLING

### Connect and disconnect without spillage

Increases safety, saves cost of product wastage, protects operator, and eliminates environmental pollution.



### Simple, one-step operation

Connection and disconnection is by one simple turn through 100°. Operating mechanism is internally enclosed with no vulnerable external levers.

### Foolproof interlocking of valves

Sequential interlocked valve design means that coupling only disconnects after both valves are fully closed. Removes the human error element in product handling - unauthorised connection or disconnection has no adverse safety consequences. Simplifies operation and removes the need for a separate isolation valve.



### Built-in 360° swivel

Contributes to ease of handling and prevents torquing of hose. Reduces stress and wear by allowing hose to relax to its natural position. Coupling operates independently of hose orientation.



### Connect and disconnect under pressure

Can be connected under differential pressures up to 7 bar.

### High flow rate + low pressure drop

Specifically designed for high volume transfer of liquids.

### Wide range of sizes and materials

Available as standard in aluminium, brass/gunmetal and stainless steel, in sizes from DN25 up to DN150 (1" nb up to 6" nb). Standard seals are Viton, with nitrile, EPDM, Chemraz, Kalrez, etc., as options.

### Simple, robust construction

Few moving parts, low maintenance, easy servicing and repair.

### Selectivity option

Specifying this extra feature allows dedication of a hose unit to its correct tank unit (s), physically preventing incorrect connection and potential product cross-contamination.

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**GUYSON INTERNATIONAL LIMITED  
HOSE & COUPLINGS DIVISION**

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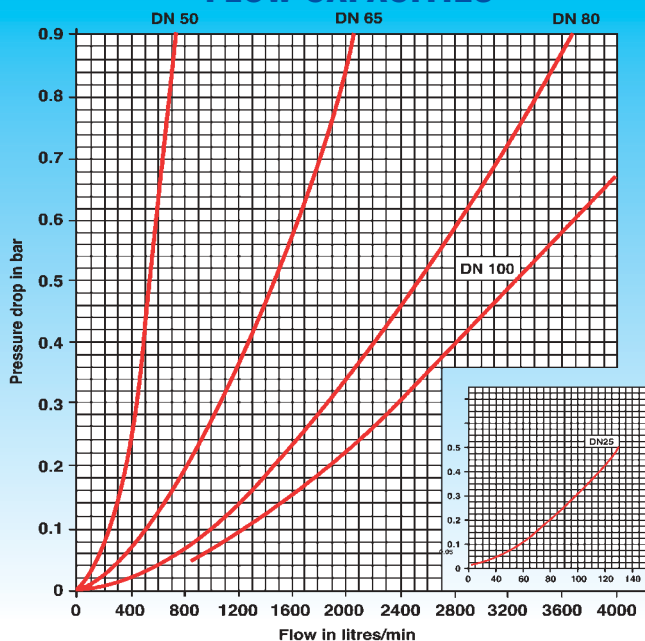
HOSE UNITS	Part No.	Material	End Connection	Handles
DN25 (1" nb)	T7100-1407 T7100-2407 T7100-4407	aluminium brass stainless steel	1" BSP	0
	T7455-1407 T7455-2407 T7455-4407	aluminium brass stainless steel	1" NPT	0
	T7125-1407 T7125-2407 T7125-4407	aluminium brass stainless steel	1 1/4" BSP	0
	T7456-1407 T7456-2407 T7456-4407	aluminium brass stainless steel	1 1/4" NPT	0
DN50 (2" nb)	T5005-1407 T5005-2407 T9150F-4407	aluminium gunmetal stainless steel	1 1/2" BSP	1 1 2
	T7468-1407 T7468-2407 T9151F-4407	aluminium gunmetal stainless steel	1 1/2" NPT	1 1 2
	T5006-1407 T5006-2407 T9200F-4407	aluminium gunmetal stainless steel	2" BSP	1 1 2
	T7469-1407 T7409-2407 T9201F-4407	aluminium gunmetal stainless steel	2" NPT	1 1 2
DN65 (2 1/2" nb)	T5332C-1307 T5332C-2407 T9250F-4407	aluminium gunmetal stainless steel	2 1/2" BSP	2 2 2
	T7472C-1307 T7472C-2407 T9251F-4407	aluminium gunmetal stainless steel	2 1/2" NPT	2 2 2
	T5432C-1307 T5432C-2407 T9260F-4407	aluminium gunmetal stainless steel	3" BSP	2 2 2
	T7473C-1307 T7473C-2407 T9261F-4407	aluminium gunmetal stainless steel	3" NPT	2 2 2
DN80 (3" nb)	T5532C-1307 T5532C-2407 T9300E-4407	aluminium gunmetal stainless steel	3" BSP	2 2 2
	T7475C-1307 T7475C-2407 T9301E-4407	aluminium gunmetal stainless steel	3" NPT	2 2 2
DN100 (4" nb)	T5632D-1307 T5632D-2407 T5632F-4407	aluminium gunmetal stainless steel	4" BSP	2 2 2
	T7477D-1307 T7477D-2407 T7477F-4407	aluminium gunmetal stainless steel	4" NPT	2 2 2
DN150 (6" nb)	T7200-1407 T7200-2407 T7200E-4407	aluminium gunmetal stainless steel	6" BSP	2 2 2
	T7201-1407 T7201-2407 T7201E-4407	aluminium gunmetal stainless steel	6" NPT	2 2 2

TANK UNITS	Part No.	Material	End Connection	
DN25 (1" nb)	T4942A-1107 T4942A-2207 T4942A-4407	aluminium brass stainless steel	1" BSP	
	T7451A-1107 T7451A-2207 T7451A-4407	aluminium brass stainless steel	1" NPT	
	T4864A-4407 T4868A-4407	stainless steel stainless steel	1" ASA 150 RF flange DN25 PN10/16 RF flange	
	T4992A-1107 T4992A-2207 T4992A-4407	aluminium brass stainless steel	1 1/4" BSP	
	T7452A-1107 T7452A-2207 T7452A-4407	aluminium brass stainless steel	1 1/4" NPT	
	T4865A-4407 T4869A-4407	stainless steel stainless steel	1 1/4" ASA 150 RF flange DN32 PN10/16 RF flange	
	DN50 (2" nb)	T5001-1107 T5001-2207 T5001A-4407	aluminium gunmetal stainless steel	1 1/2" BSP
		T7466-1107 T7466-2207 T7466A-4407	aluminium gunmetal stainless steel	1 1/2" NPT
T5025-1107 T5025-2207 T5025-4407		aluminium gunmetal stainless steel	1" ASA 150 RF flange	
T5113-1107 T5113-2207 T5113-4407		aluminium gunmetal stainless steel	DN40 PN10/16 RF flange	
T5002-1107 T5002-2207 T5002A-4407		aluminium gunmetal stainless steel	2" BSP	
T7467-1107 T7467-2207 T7467A-4407		aluminium gunmetal stainless steel	2" NPT	
T5109-1107 T5109-2207 T5109-4407		aluminium gunmetal stainless steel	2" ASA 150 RF flange	
T5114-1107 T5114-2207 T5114-4407		aluminium gunmetal stainless steel	DN50 PN10/16 RF flange	

Continued overleaf...

TANK UNITS	Part No.	Material	End Connection
DN65 (2 1/2" nb)	T5331C-1107 T5331C-2207 T5331C-4407	aluminium gunmetal stainless steel	2 1/2" BSP
	T7470C-1107 T7470C-2207 T7470C-4407	aluminium gunmetal stainless steel	2 1/2" NPT
	T5306C-1107 T5306C-2207 T5306C-4407	aluminium gunmetal stainless steel	2 1/2" ASA 150 RF flange
	T5329C-1107 T5329C-2207 T5329C-4407	aluminium gunmetal stainless steel	DN65 PN10/16
	T5431C-1107 T5431C-2207 T5431C-4407	aluminium gunmetal stainless steel	3" BSP
	T7471C-1107 T7471C-2207 T7471C-4407	aluminium gunmetal stainless steel	3" NPT
	T5405C-1107 T5405C-2207 T5405C-4407	aluminium gunmetal stainless steel	3" ASA 150 RF flange
	T5340C-1107 T5340C-2207 T5340C-4407	aluminium gunmetal stainless steel	DN80 PN10/16 RF flange
DN80 (3" nb)	T5531C-1107 T5531C-2207 T5531C-4407	aluminium gunmetal stainless steel	3" BSP
	T7474C-1107 T7474C-2207 T7474C-4407	aluminium brass/gunmetal stainless steel	3" NPT
	T5505C-1107 T5505C-2207 T5505C-4407	aluminium gunmetal stainless steel	3" ASA 150 RF flange
	T5544C-1107 T5544C-2207 T5544C-4407	aluminium gunmetal stainless steel	DN80 PN10/16 RF flange
DN100 (4" nb)	T5631-1107 T5631-2207 T5830A-4407	aluminium gunmetal stainless steel	4" BSP
	T7476-1107 T7476-2207 T7480A-4407	aluminium gunmetal stainless steel	4" NPT
	T5600-1107 T5600-2207 T5800A-4407	aluminium gunmetal stainless steel	4" ASA 150 RF flange
	T5695-1107 T5695-2207 T6600A-4407	aluminium gunmetal stainless steel	DN100 PN10/16 RF flange
DN150 (6" nb)	T7210-1107 T7210-2207 T7210-4407	aluminium gunmetal stainless steel	6" BSP
	T7211-1107 T7211-2207 T7211-4407	aluminium gunmetal stainless steel	6" NPT
	T7212-1107 T7212-2207 T7212-4407	aluminium gunmetal stainless steel	6" ASA 150 flange
	T7212-1107 T7212-2207 T7212-4407	aluminium gunmetal stainless steel	DN150 PN10/16 flange

### FLOW CAPACITIES



### PRESSURE RATINGS

#### DN25-100 (1"-4"nb)

Aluminium, brass/gunmetal: 10 bar  
Stainless steel: 25 bar

#### DN150 (6"nb)

Aluminium, gunmetal: 6 bar  
Stainless steel: 10 bar

### GUYSON SERVICE

The Hose & Couplings Division of Guyson offers immediate technical advice and assistance in selection of suitable couplings for any application, based on more than 80 years of specialist experience. Comprehensive stocks of couplings, spares, accessories, adaptors, etc. are available for immediate despatch.



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