



**Waltech**  
**WAL610876**  
Metric Tube Fittings - WF-WD 16 S VI ANEL DE VEDACAO 16MM

# Product Specifications

End Type	BSP (Parallel form B)
Material	Other
Primary System	WALFORM
Series	S - Heavy Series
Shape	90 Degree
Description	Captive seal
Family	Metric Tube Fittings
Section in Catalog	D
Type	WF-WD 16S VI
I2	3

# Overview & Features

The WALPro® metric tube fitting exhibits a two-edge cutting ring that provides best-in-class performance as well as ease of installation. All parts are built to DIN EN ISO 8434-1 specifications for 24o tube fittings. This system, along with WALRing and WALForm ® , can meet the requirements of demanding platforms and applications in a variety of different markets.

## Features

- Two edge cutting ring
- Controlled final assembly
- Metal on metal sealing
- Prefabrication by hand or with a machine
- ~ 25% reduction in torque if machine assembled
- Offered in both carbon steel and stainless steel (featuring DIN 1.4571 material)

# Where Used

## Machine building

### Platforms:

- CNC Machining
- Metal /Hydro Forming
- Metal Stamping and Shearing
- Plastics

## Marine

### Applications:

- Hydraulic Circuits & General Fluid Conveyance

## Mining, metals and minerals

### Platforms:

- Ball Mill
- Coal Mill
- Continuous Miner
- Conveyors

## Mobile machinery and equipment

### Platforms:

- 0-40 hp
- 100+ hp
- 40-100 hp

**Applications:**

- Hydraulic Circuits & General Fluid Conveyance

- Excavator
- Exploration Drill Rig
- Foundry Casting
- Highway Vocational Truck
- Longwall Mining System
- Mobile Crusher
- Off-Highway Dump Truck
- Reclaimer
- Rope Shovel
- Semi-Continuous Mining System
- Shuttle Car
- Stack
- Stationary Crusher
- Steel Mill Furnaces
- Surface Drill Rig
- Underground Drill Rig
- Wheel Loader

**Applications:**

- Hydraulic Circuits & General Fluid Conveyance

- Aerial Work Platforms (Scissor & Boom)
- All hp
- Application Equipment
- Backhoe Loader
- Balers
- Biomass Processing
- Combines
- Compactor
- Concrete Pump
- Crane
- Crawler Dozer
- Cultivation Equipment
- Defoliating Equipment
- Delimers
- Excavator
- Feller Bunchers
- Forwarders
- Irrigation
- Irrigation Systems
- Lift Trucks
- Loaders
- Mowers
- Paver
- Row Crop Planters
- Self-Propelled Forage Harvesters
- Self-Propelled Sprayers
- Self-Propelled Windrowers
- Skid Steer Loader
- Skidders
- Specialty Equipment/Debris
- Specialty Harvesting
- Stump Griners and Wood Chippers
- Telehandler
- Tractors - 2WD:
- Tractors - 4WD:
- Tree Harvesters
- Trimming Equipment
- Utility Vehicles
- Wheeled Loader
- Yards

**Applications:**

- Hydraulic Circuits & General Fluid Conveyance

**Oil and gas**

**Platforms:**

- Downstream: Petrochemical
- Downstream: Refining (Ethanol/ Biodiesel)
- Downstream: Terminal Operations (refined gas and liquids)
- Upstream: Offshore (fixed or floater) BOP Control Systems
- Upstream: Offshore (fixed or floater) Drill Systems
- Upstream: Offshore (fixed or floater) Equipment Handling
- Upstream: Offshore (fixed or floater) Hoisting Systems
- Upstream: Offshore (fixed or floater) Mooring Systems
- Upstream: Offshore (fixed or floater) Motion Compensation
- Upstream: Offshore (fixed or floater) Offloading Systems

**Rail**

**Applications:**

- Hydraulic Circuits & General Fluid Conveyance

**Renewables**

**Platforms:**

- Offshore
- Onshore

**Applications:**

- Hydraulic Circuits & General Fluid Conveyance

**Vehicles**

**Platforms:**

- Dump
- Fire and Rescue
- Heavy Duty On-Highway
- Medium Duty On-Highway
- Pick-Up and Delivery (LTL)
- Public Transportation
- Refuse Truck
- Trailers
- Transit Mixer
- Wrecker/Recovery

**Applications:**

- Hydraulic Circuits & General Fluid Conveyance

- Upstream: Offshore (fixed or floater)  
Pedestal Cranes
- Upstream: Offshore (fixed or floater)  
Seismic Vessel Systems
- Upstream: Onshore Blow-out  
Preventers
- Upstream: Onshore Drilling Operations
- Upstream: Onshore Hoisting Systems
- Upstream: Onshore Pump Jacks
- Upstream: Onshore Seismic Vibrator  
Trucks

**Applications:**

- Hydraulic Circuits & General Fluid  
Conveyance

# Value Propositions

= Denotes point of differentiation

Value Proposition Statement		Audiences		
		OEM	Distributor	End User
	WALPro® fittings feature progressively increasing tightening torque during assembly			
	Assists in verifying correct assembly during installation			
	WALPro® fittings offer a high degree of sealing efficiency by ensuring 100% cutting ring and tube surface connection			
	Due to high sealing stress, chances of leakage in the plant is decreased			
	WALPro® fittings feature better assembly characteristics than most competitors			
	The initial assembly is provided due to the limit stop feature that ensures immediate correct initial assembly			
	Controlled final assembly option is available with the use of the MEG-R6 assembly machine			
	Takes 25% less effort for final assembly due to torque reduction			
	WALPro® system nuts are shipped from Danfoss together			
	Reduces inventory locations by 50%			
	MEG-R6 assembly machine can assemble both WALRING and WALPRO			
	Reduces the need to purchase an expensive separate assembly machine			
	Danfoss offers a rental program for assembly machines			
	Increases profitability of project work at end customers			
	The WALPro® system carries many different approvals including (but not limited to) Lloyd's Register, DNV, & ABS			
	Increases the number of various markets that distributors can sell Danfoss metric tube fittings using the same system resulting in less inventory carrying costs			
	WALPro® system offers Guardian Seal® plating as a standard that provides corrosion protection up to 360 hrs. to white corrosion / 720 hrs. to red corrosion (per VDMA 24576, K5)			
	Results in longer life of equipment			
	WALPro® fittings are available in stainless steel (WALPro-XTM)			
	Increases service life of the equipment that use the solution in extreme environments			
	WALPro® metric tube fittings can be assembled and disassembled as often as necessary			
	Reduces the need for replacement nuts and bodies resulting in less replacement costs			
	Available on a global basis			
	Reduces chance of equipment downtime			