FITTINGSEUROPE

making connections

NEW

MADE IN EU

Fittings Europe
(Dutch Pipe Fittings BV)

- With 25 years of experience in Malleable Cast Iron Pipe fittings, we possess extensive knowledge regarding quality, quantity, and market production.

- Due to geopolitical factors, we have established a factory in the EU.

- We prioritize sustainable and eco-friendly practices that respect the planet, which is a relatively new approach in our industry.
  Furthermore, we have a solid track record with customer audits, having successfully completed them in recent years.

Yours sincerely,

Leon Stadegaard
CEO

CERTIFICATION

Fittings Europe
(Dutch Pipefittings B.V.)

PREMIUM MALLEABLE CAST IRON

NEW

Fittings Europe is dedicated to the production and distribution of a variety of high-quality malleable iron pipe fittings obtained from European Union countries, particularly Romania and the Netherlands.

Our semi-finished malleable cast iron products are manufactured in our international facilities, while threading, quality checks, and packaging are performed across several locations in the European Union.

Manufactured in the European Union

Romania – Produced in Romania – COO European Union

We provide our premium malleable iron pipe fittings from the European Union, accompanied by a Certificate of Origin confirming their EU origin.

QUALITY & CERTIFICATION

Every product we offer is manufactured entirely in accordance with established quality standards and protocols outlined in the EU (ISO 9001 and 14001, 45001,). All necessary certifications can be provided upon request.

UL

DIN
DVGW
CERT

International Organization for Standardization
ISO
9001

FM
APPROVED

sales@fittings Europe.com
+31616820317

Malleable
Cast iron Pipe Fittings
by Fittings Europe

EUROPEAN STANDARD

VIEW PRODUCTS

GALV. & BLACK

BRITISH STANDARD

VIEW PRODUCTS

GALV. & BLACK

AMERICAN STANDARD

VIEW PRODUCTS

GALV. & BLACK

NEW

EUROPEAN STANDARD EN 10242

MALLEABLE CAST IRON PRODUCED ACC. EN1562.EN-GJWM -308-10 EN 10242 (DIN 2950) ISO 49 TREADING EXTERNAL TAPER R ISO 7/1 TREADING INTERNAL CILIDRICAL Rp ISO 228/1 CONNECTED TRADING G GALVANIZATION 70 Um, ISO 1450

BRITISH STANDARD BS 10242

MALLEABLE CAST IRON PRODUCED ACC. EN 1562. EN-GJWM -308-10, EN 10242(BS 21) ASTM-A-197 ISO 49, TREADING EXTERNAL TAPER R ISO 7/1 TREADING INTERNAL TAPER R ISO 7/1 CONNECTED TRADING G GALVANIZATION 70 Um, ISO 1460

AMERICAN STANDARD ASTM-B-16-3

MALLEABLE CAST IRON PRODUCED ACC. ASTM-A-197 TREADS STANDARD ASME B 1.20.1. GALVANIZATION ASTM A 159 150#, 300#

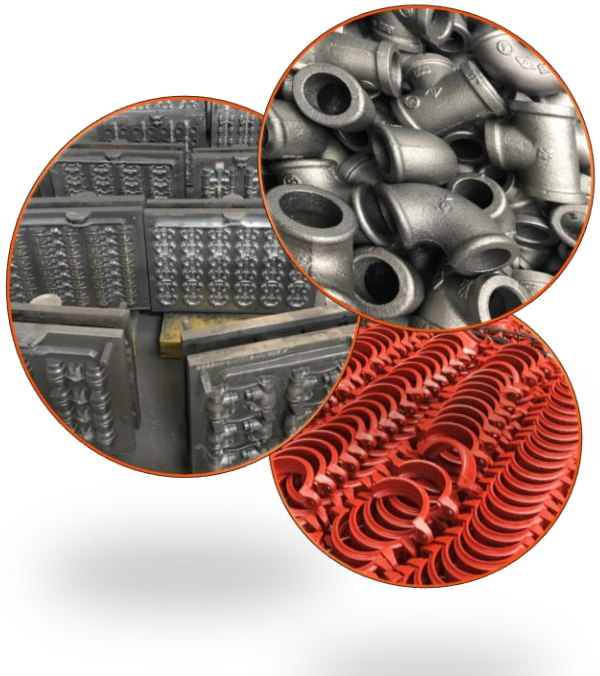
PUMP SET STANDARD EN10242

MALLEABLE CAST IRON PRODUCED ACC. EN1562.EN-GJWM -308-10 EN 10242 (DIN 2950) ISO 49 TREADING EXTERNAL TAPER R ISO 7/1 TREADING INTERNAL CILIDRICAL Rp ISO 228/1 CONNECTED TRADING G

PIPE NIPPLES ACC.

STEEL PIPE NIPPLES DIN298 BS EN10241 SCH#40 & RED BRASS PIPE NIPPLES ASTM B687 SCH#40 & STAINLESS STEEL PIPE NIPPLES DIN EN1024 ASTM A733 SCH#40 & SCH#80 acc304, 306, 304L & 316L

The FULLY AUTOMATIC DISA MATIC 3D casting system provides precise measurements for our malleable cast iron fittings.



Unique Packaging Grundfos

NEW

*Customized or blank boxes available upon request
*Packing: single, boxes, pallets

Treading / Quality Control and Packaging / Private Label

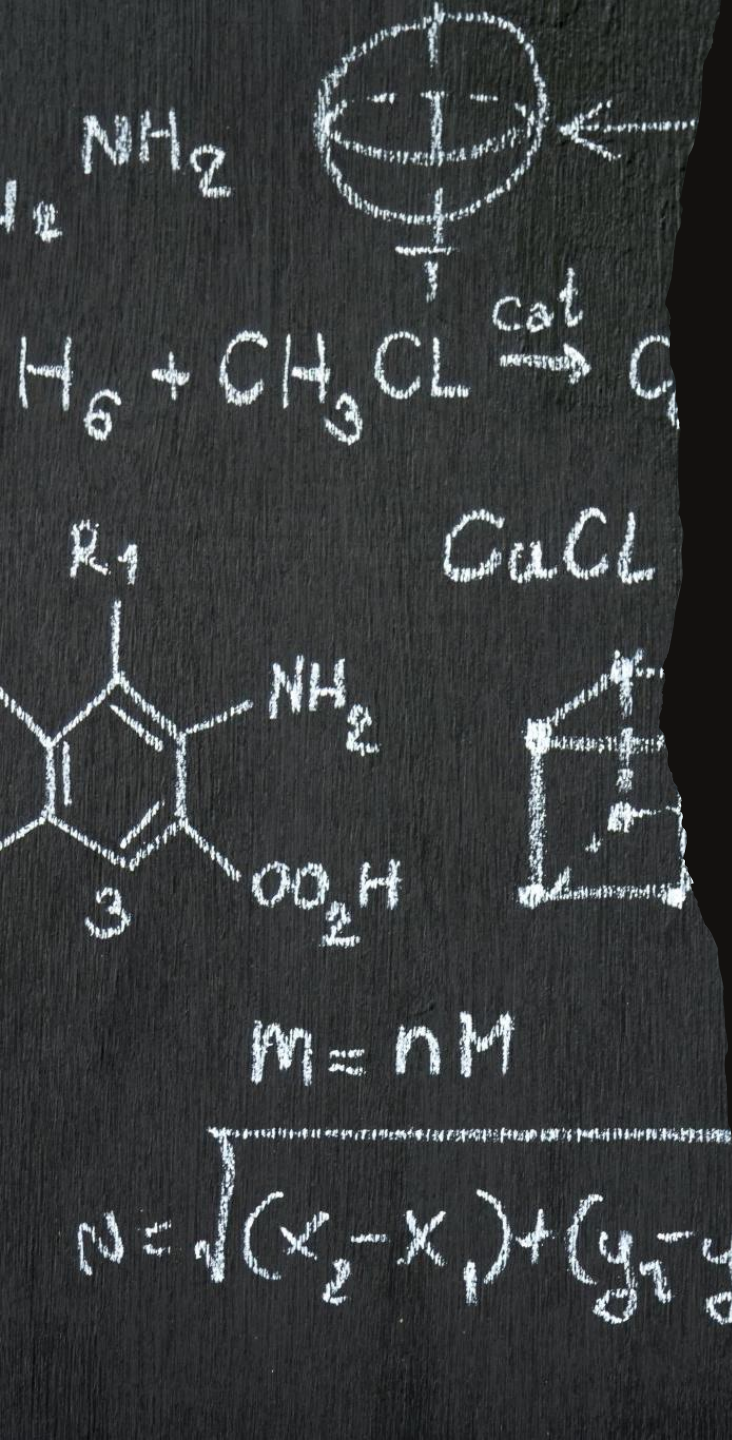
Machining Romania presently operates with a capacity of 3000 MT/Y, and this is set to rise to 5000 MT/Y by 2025.

+31 (0) 6 168 203 140

sales@fittingseurope.com

Large capacity

- The capacity will rise from 3000 MT to 5000 tons by 2025, with 97 machines operating to achieve this goal.



Constant Quality.

- 200 % leak test black and galvanized .
- 100% after casting
- 100% after machining
- 0,00321% rejection

International Organization for Standardization
ISO
9001

Ongoing testing of NPT,G ,BSPP and BSPT threads. ISO7/1

Yellow passivated electrolytic zinc offers corrosion resistance while avoiding the use of chr6+. Instead, we utilize chr3+. This approach guarantees top-quality electrical zinc coating without harming the environment.

- Yellow passivated zinc coatings offer optimal protection.

Labels
available
upon request.

Private Label fittings ready for shipment EN 10242 fittings

+31 (0)85 500 495

info@dutchpipefittings.nl

sales@dutchpipefittings.nl

ASME DIN BS shipment, including inner and outer boxes, based on customer requirements.

Pump sets in production, prior to zinc coating.

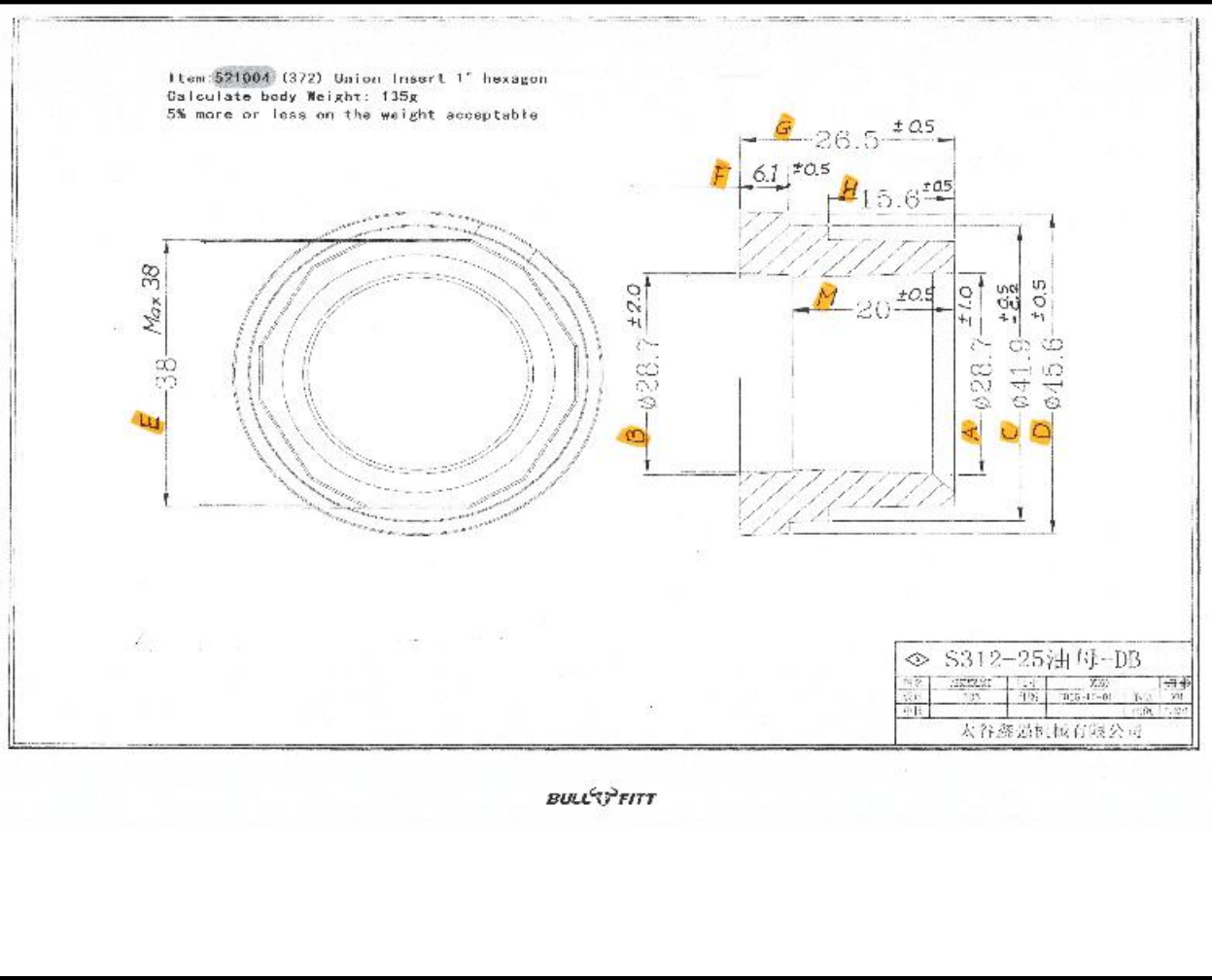
Products prepared for Grundfos are ready for shipment.

Evaluate gauge thread testing following the ISO 7-1 BSPT / G/ BSPP/ ASTM standards.

Packaging Number 23.

Barrel nipples EN 10241 as a complementary production in our delivery possibilities


Knowledgeable in conducting audits.



Supplier Part Approval Submission Form

GRUNDFOS

grey fields to be filled by supplier!

Vendor (number, name & address):	Case handler at supplier:	Department:
Tomingroep, Franciscusweg 12, 1216 Sk	Date:	Phone :
Part No.: 521004	Signature:	email:

Part Name: Union half RP 1"	Grundfos requirements	Processes and proof documents (Bold texts are the frequently used tasks)		Supplier fills: (if applicable)	Remark
ECM No.: 920928	S: ☑ R: ☐	**1. Part drawing -with insp. item reference**		Ready: ☑	Specify which dimensions are measured by marking them in the drawing
Contact at Grundfos: Dejan Naskovic	S: ☐ R: ☐	2. D-FMEA		Ready: ☐	
email address: dnaskovic@grundfos.com	S: ☑ R: ☐	3. Process flow diagram		Ready: ☐	
	S: ☑ R: ☐	4. P-FMEA		Ready: ☐	
Type of Sample	S: ☑ R: ☐	**5. Quality control plan**		Ready: ☑	
☐ New part	S: ☑ R: ☐	**6. GR&R, measurement system analysis**		Ready: ☑	MSA 1, measure 1 part 30 times
☐ Part modification	S: ☑ R: ☐	**7. Total dimension inspection report**	**10 pcs.**	Ready: ☑	Measure all dimensions
☐ Production relocation	S: ☑ R: ☐	**8. Raw material certificate of producer/ test report**		Ready: ☑	
☐ Change of production process	S: ☐ R: ☐	9. Performance test results		Ready: ☐	
☐ Longer stoppage of production	S: ☑ R: ☐	**10. Process capability, Ppk/Cpk**	**100 pcs.**	Ready: ☐	Measure Ppk only for 0/1/2F/2P dimensions, insert measurements int QS-Stat
☑ New sub－supplier	S: ☐ R: ☐	11. Appearance inspection report		Ready: ☐	
☐ Machine/fixture/tool change	S: ☑ R: ☐	12. Sample weight report		Ready: ☑	
☐ Material change		**13. Qty of samples to submit**	**50**	Done: ☑	
Others: Please specify.....	S: ☐	*Samples to be numbered in production sequence*		Done: ☐	
Comments, remarks:	S: ☑ R: ☐	**14. Packaging/Shipping requirement**		Ready: ☐	
	S: ☐ R: ☐	15. Others, if needed: (e.g.qualified lab. docs, REACH, ROHS, traceability, checking fixture)		Ready: ☐	
Rev. No / ECM No.:					
Cav/ID. No.:	S: ☑ R: ☐	Declaration of mass production approval status		Ready: ☐	
Mold/Die/Machine No.:	**S: supplier must submit / R: requested, but supplier retains / blank: no need**				

Remarks:

Supplier declaration of readiness:

I affirm that the samples represented by this document are representative of our parts which were made by process that meets all part approval requirements. The samples were produced at the production rate of mass production.
I confirm that the document evidence of such compliance is on file and available for review.
I declare our readyness for mass production with the attached Declaration of mass production approval status.

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company representative **date of sign**

Grundfos conclusion:

Ref. VPC No.:

Approved for serial production: Yes: ☐ No: ☐

Conclusion if part not approved for serial production use:

☐ Rejected
☐ Approved for 0-series *(New VPC for production approval is planned)*
☐ Exempted *(if exempted, follow the exemption instructions!)*

Grundfos comments:

Name:..... sign: .....
20..... /...../ .....

Notes :

1. Submit this report to Grundfos with sample parts! Attach relevant documents as requested in this sheet by Grundfos. Electronic form is preferred if otherwise not requested.
2. Samples used for measurement purpose must be numbered according to production sequence, whenever applicable.
3. Always submit the relevant part drawings/documents!
4. Grundfos reserves the right to reject any requests without appropriate drawings/documents/information/details.
5. If the conclusion is "Exempted", it is necessary to report the improvement action.
6. Grundfos will file the original of this document in Grundfos VPC database, and a copy will be returned to supplier.

FMEA - Failure Mode & Effects Analyse (Process FMEA)

Project: Grundfos		Proces of Product Naam:		52. 10 01		FMEA Date (Orig)	1-5-2019		
Project Leider: Bullfitt		Responsble		Dave Klitsie		FMEA Date (Review)			
Datum: 8-5-2019		By		Dennis Overmars					

Process Step/Input		Potential failure Mode	Potential failure effects	SEVERITY	Potential cause	OCCURRENCE	Current controls	DETECTIE	RPN	Required actior
What is the process STEO-input we are investigating?	Reference to flow chart	How can this input fail	What is the impact of failure on process output?		What is the cause of failure?		What are the current controls & procedures (Inspection & test) that prevent or capture the cause?			What are the actions needed to reduce the occurrence of the cause or improve detection?
Order processing	1	product change	nonconformity product	5	Not properly information customer or human error	2	compasre rev. Status n system to status on order	6	60	
Ordering raw materials	2									
Goods receipt	3	Incomplete, incorrect delivery	Delivery Reliability	5	Wrong ordering or delivery	2	Deviations are reported directly to Bullfit	6	60	
	3	Damage	Delivery Reliability	5	Insufficient stowage	2	Deviations are reported directly to Bullfit	6	60	
Storage	4	Mixing up revisions	nonconformity product	5	Not FIFO	2	FIFO	6		
Work preparation		Incorrect instructions	Incomplete delivery	5	Human error	2	Order confirmation to customer for verification and confirmation	4	40	
Measuring devices		Deviation in accuracy of measuring devices	Test data is unreliable	7	Deviation in measuring device	4	Calibration procedure	2	56	
Setting machine	5	Wrong program	Nonconfomiteit Product	7	Human error	3	In-Line Inspection	1	21	
Release for production	6	incorrect machine parameters or setup failure	nonconformity product	5	Human error	2	two person contole	6	60	
Processing	7	Process expires	nonconformity product	5		2	In line inspection and SPC	6	60	
Test		Improper measurement	Test data is unreliable	5	Insufficient training staff	3	Training Plan	2	30	
Packaging		Wrong packaging	Nonconfomiteit Product	3	Human error	3	In-Line Inspection	1	9	
		Wrong Pack Qty	Over-Under Delivery	5	Human error	3	In-Line Inspection	1	15	
Send		Deliver Wrong products	Delivery Reliability	5	Incorrect pallet identification	3	In-Line Inspection	1	15	
Traceability	8	Incomplete or incorrect registrations	Non-traceable Source materials	4	Incorrect registrations	3	Procedures/Registrations	2	24	
Labelling	8	Incorrect information on labels	Incorrect information on product	7	Human error	3	Client Agreement	1	21	
		Wrong labels	Incorrect information on product	7	Human error	3	Procedures/Registrations	2	42	
Personal Safety-Machine safety		Hazardous situations for Employees	Possible standstill	7	Insufficient knowledge of danger setting	4	Safety instruction CNC	1	28	
Personal Safety-hazardous substances		Hazardous situations for Employees	Possible standstill	8	Insufficient knowledge of danger setting	3	SDS-Analysis	2	48	
Environmental safety		Hazardous environments	Pollution of environment	8	Insufficient knowledge of the risks	3	SDS-Analysis	2	48	
Noise		Health risk for employees and environment	Hearing impairment	8	Sound load in the production area	4	Hearing protection	1	32	
									0	
									0	
									0	
									0	
									0	
									0	

Measurement sheet

Client	Grundfos
Artikel	Insert 1" Rp
Artikel number	52.10.04
Directives	Drawing 52.10.04 920928 TLA
	NEN-EN 10242
	DIN ISO 2768 MK
	ISO 7-1

Authorized inspectors: Jacob, Fouad, Dave

Documented

Final check

Process capability

Production process controle

Date	ID	Sample nr	Dimension ID / Range	a Go / No go	b 26,7 - 34,5	c 3,8 - 4,2	d 24,0 - 27,25	e 8,0 - 10,0	f0˚ 3,8 - 4,2	f120˚ 3,8 - 4,2	f240˚ 3,8 - 4,2	g 24.0-27.25	h 8.0-10.0
			Nominal dimension	1 Rp (ISO 7/2)	Range	Ø41,5mm	Ø44,7mm	38mm	4mm	4mm	4mm	25mm	9mm
				1=go 0=nogo									
		1											
		2											
		3											
		4											
		5											
		6											

Your attention is greatly appreciated!

Fittings Europe provides a comprehensive array of documentation and flowcharts that are crucial for auditing processes.

Additionally, we operate in an environmentally friendly and sustainable manner, demonstrating our commitment to the future of the planet.

Sales@fittingseurope.com www.fittingseurope.com

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