

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	1 / 29

Packaging Terms and Conditions For Components

PIERBURG S.A.



Modificaciones del documento				
Versión	Capítulo	Descripción	Fecha	Realizado por
00		Versión inicial	14.01.2015	J.M. Galiano
01		Embalaje alternativo	10.02.2015	J.M. Galiano
02		Inclusión Packaging Data Sheet	04.03.2015	J.M. Galiano
03		Incluir requerimientos etiquetado	12.03.2015	J.M. Galiano
04		Revisión Final	31.03.2015	J.A. Olano
05		Actualización de Logo	20/01/2025	J.M. Galiano

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components




Tipo de documento	Versión	Página
Procedure	05	2 / 29

Contents

1. Purpose and scope of application	Page 3
1.1 Packaging requirements.	
1.2 Supplier's responsibility.	
2. Definition of packaging Requirements	Page 5
2.1 Packing Unit.	
2.2 Handling Unit.	
2.3 Returnable packaging.	
2.3.1 Gallia standard returnable preferred boxes.	
2.3.2. Foldable returnable boxes.	
2.3.3. RL-KLT standard Returnable preferred boxes.	
2.3.4. Returnable boxes and palletization.	
2.4 Not returnable packaging.	
2.4.1. Gallia standard not returnable preferred boxes and palletization.	
2.5. Emergency packaging.	
2.6. Choice of packaging.	
2.7. Validation of packaging.	
3. Parts delivery standard conditions	Page 16
3.1 Max. Weight / Size.	
3.2 Euro pallet and American pallet.	
3.3 Non-standard Heights.	
3.4 Safe transport of each item of packaging.	
3.4.1. Acceptable and not acceptable.	
3.5 Consistent packaging.	
3.6 Shipment.	
3.7 Special packaging.	
4. Identification of packaging units.....	Page 20
4.1 Labeling Requirements	
4.1.1. Acceptable and not acceptable examples	
5. Annexes	Page 25
5.1. Annex 1: Euro pallet.	
5.2. Annex 2: American pallet.	
5.3. Annex 3: Identification of not stackable pallets.	
5.4. Annex 4: Supplier Packaging Approval Form.	

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components			
Tipo de documento		Versión	Página
Procedure		05	3 / 29

1. Purpose and scope of application

This manual defines the packaging requirements for Pierburg S.A. suppliers

These requirements cover aspects related mainly to the following aspects:

- Optimised design of packaging units.
- Standardization of dimensions.
- Clear definition of quantities of parts per packaging.
- Process to validate a Packaging proposal to Pierburg, S.A.

The aim is to guarantee a rational and optimized exchange of material between suppliers and Pierburg S.A. maintaining the quality of parts during all the handling and transit times between supplier's facilities to PIERBURG, S.A facilities, including the final point of material consumption in our internal assembly or production lines.

1.1. Packaging requirements


The first requirement when developing a packaging must be to warrant the quality of components. Packaging also must be ergonomic for the users and consider environmental aspects.

The environmental objectives require the optimization of resources and the elimination of waste. In order to achieve these objectives, **the use of returnable packaging is preferred, when possible and sustainable.**

Regardless of the choice of the packaging type, the following requirements must be met:

- Protection of the part
- Avoid as far as possible the use of not returnable packaging.
- Returnable and one-way package must be defined on the basis of ecological and economic criteria.
- Implement rational and efficient load units.
- Make maximum use of the container load.
- Ensure transport processes.
- Guarantee easy unloading using standard warehouse equipment and forklift trucks.
- Suitability for stacking.
- **Compliance with specified PIERBURG, S.A. standard dimensions (please, see chapters 2.3.1, 2.3.2 and 2.3.3, 2.4.1)**
- Designed for easy handling.
- Ensure feasibility to Pierburg S.A, layout and warehouse handling movements
- Convenient access to contents.
- Environmental acceptance that recycling has to be possible for both returnable and non-returnable packaging.

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components			
Tipo de documento		Versión	Página
Procedure		05	4 / 29

1.2. Supplier's responsibility


- **Non-compliance with any of PIERBURG, S.A. packaging standards shall lead to a claim and/or charges or cost invoicing to the supplier.** Pierburg S.A. shall measure the quality of its suppliers' deliveries and issue statistics that will affect the supplier's annual assessment.
- **The supplier is responsible to warrant product quality of the components from the point of manufacture to the point of consumption, including internal assembly or production lines at Pierburg, S.A.**
- **Packaging design must protect the product during all the transit and handling processes and be ergonomic for users.**
- **Working in collaboration with Pierburg S.A., the supplier is responsible for the design, development and, where appropriate, procurement of the packaging (e.g. inserts, plastic bags, etc.).**
- The supplier shall ensure the quality of the packaging (cleanliness, breakages, etc.) until Pierburg SA. facilities.
- Packaging must be acceptable for storage in warehouses and production lines layout of Pierburg SA.
- The supplier shall make sure that the packaging does not contain any label that does not correspond to the delivered product.
- Supplier must deliver according to Supplier Packaging Approval Form described on chapter 2.7.
- The supplier shall not use adhesive tape inside the packaging box, neither in cardboard box nor in returnable packaging.
- **All packaging containing hazardous material or special material (e.g. ESD protection) must be clearly identified with the appropriate labeling.**



- **It is the Supplier's responsibility to ensure cleanliness (e.g. regarding dust, dirtiness, waste, wetness, etc...) of packaging to guarantee parts quality.**

- To change a confirmed and approved Packing Specification, the supplier must submit a new Supplier Packaging Approval Form (**please, see chapters 2.7 and Annex 5.4**)

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components			
Tipo de documento		Versión	Página
Procedure		05	5 / 29

2. Definition of packaging Requirements

2.1. Packing Unit (P.U.)



- The P.U. must be able to be handled by workers with their hands **being preferred maximum gross weight up to 12 Kg and MAXIMUM PERMITTED GROSS WEIGHT FOR A P.U. UP TO 15 KG.**
- The P.U. must be used to its maximum possible capacity, considering the weight limitation.
- Products inside the P.U. must be protected from the dust and from the collision between them (if necessary), by using inside packaging elements such as plastic bags, dividers, inserts, etc...
- Packing Units must be correctly closed by caps or adhesive tapes (**never staples**), for protecting the parts from the contamination and from an inadequate manipulation or handling.
- **Maximum External Dimensions for a P.U. are 600x 400 x 320 mm**
- **Preferred External Dimensions for P.U. are:**
 - 600 x 400 x 214 mm
 - 400 x 300 x 214 mm
 - 400 x 300 x 114 mm
- **It is forbidden to introduce different types of products inside one P.U (only one product per P.U).**
- All P.U. must be correctly identified by using labels, according to our procedure "1502000 Labeling Requirements PIERBURG, S.A." available in our web-site: <http://www.pierburg-sa.es> under SALES and LOGISTICS→SUPPLIER DOCUMENTS.

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	6 / 29

2.2. Handling Unit (H.U.)



- The H.U. can be built with several P.U. or with one single container foldable or not foldable (returnable or not returnable), but always under Pierburg, S.A. approval

• MAXIMUM GROSS WEIGHT FOR A H.U. UP TO 500 KG.

- The H.U. must guarantee the quality of the components until our facilities including the final point of consumption (internal assembly or production lines at Pierburg, S.A.)

- **All P.U. shipped on pallets must be adequately secured to the pallets. Nails, screws, metal staples, metal strapping, metal clips or banding buckles or glue to secure P.U. to pallets are prohibited, only Stretch film and Plastic strapping is allowed**

- Preferred external dimensions for H.U. are:


1200 x 800 x (max.) 1100 mm (Euro pallet),
1200 x 1000 x (max.) 1100 mm (American pallet)

- **It is forbidden to introduce different products inside one H.U (only one product per H.U).**

- All H.U. must be level layered. **No pyramid stacking of boxes is allowed.**

- All H.U. must be correctly identified by using labels, according to our procedure "1502000 Labelling Requirements PIERBURG, S.A." available in our web-site: <http://www.pierburg-sa.es> under SALES and LOGISTICS→SUPPLIER DOCUMENTS.

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components			
Tipo de documento		Versión	Página
Procedure		05	7 / 29

2.3. Returnable packaging.

Returnable packaging can be composed by one or more plastic boxes placed on a pallet, foldable or not foldable.

The maximum gross weight must be up to 500 kg for the H.U. and 15 kg for the P.U.

With regard to stack ability, at least a load corresponding to 500 kg must be guaranteed. **If it cannot be guaranteed, the Handling Units must be identified with 'DO NOT LOAD ON TOP' labels or similar identification (see annex 1).**

Internal packaging elements in the P.U. (if necessary) can be returnable or disposable, being preferred returnable ones when P.U. is standard (rigid walls), and they must be expendable when P.U. is foldable for an easier packaging return.

The supplier is responsible for keeping clean the P.U. including residue, and expendable dunnage, when required.

Routine checks should be made and regular cleaning should occur as needed to ensure parts quality and cleanliness during the whole life of the returnable container.

Routine checks must also guaranty to Load production parts only into clean undamaged returnable containers, and load the P.U, into the transportation equipment in a manner that warrants parts quality.

P.U. must be sent to Pierburg S.A. only with labels corresponding to the containing product, other labels must be removed to avoid wrong identifications. Labels from previous deliveries must be removed before a new shipping is done.

Suppliers shall store containers in a manner that maintains cleanliness and protects containers from excessive environmental exposure (humidity, dust, etc.)

Taping or individual covers are accepted for closure. Avoid staples for boxes closure.

Returnable packaging can be property of supplier or of Pierburg S.A.

If the returnable packaging is owned by Pierburg S.A., the Supplier must inform, in good time, of any damage to them and about possible packaging shortage, preventing the delivery of parts on requested date and ordered quantity.

The dotation of returnable packaging is defined for one specific product. It is prohibited that the Supplier uses returnable packaging for other purposes.

Individual Returnable packaging must be defined by supplier based on the Gallia standard dimensions or RL-KLT standard dimensions.

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	8 / 29

2.3.1. Foldable returnable boxes

The small plastic containers are compatible with other returnable packaging systems and provide excellent space savings. When folded, they can save up to 84% space. This makes the containers extremely cost-effective in return transport and storage in warehouses during periods of inactivity.

In order to take advantage of the collapsibility of the boxes, **THE INNER PACKAGINGS SUCH AS CELLS, SEPARATORS, BAGS, ETC, MUST ALWAYS BE EXPENDABLE WHEN USING FOLDABLE RETURNABLE BOXES.**

FOLDABLE SMALL CONTAINER - 594 X 396 X 214 MM

P6423



Foldable Small Container
594 x 396 x 214 mm

Folding Small Containers Other Folding Small Containers

Main features:

- volume: 39 l
- weight: 2,390 kg
- Solid base and walls
- Pimple pad area on one end
- Integrated label holder on one end
- foldable to reduce freight costs upon return
- stackable

FOLDABLE SMALL CONTAINER - 396 X 297 X 214 MM

P4323



Foldable Small Container
396 x 297 x 214 mm

Folding Small Containers Other Folding Small Containers

Main features:

- volume: 18 l
- weight: 1,550 Kg
- Solid base and walls
- Pimple pad area on one end
- Integrated label holder on one end
- foldable to reduce freight costs upon return
- stackable

Realizado por: J.M. Galiano

Fecha: 31.03.2015

Aprobado por: J.A. Olano

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	9 / 29

FALTBEHÄLTER - 594 X 396 X 314 MM **P6432**



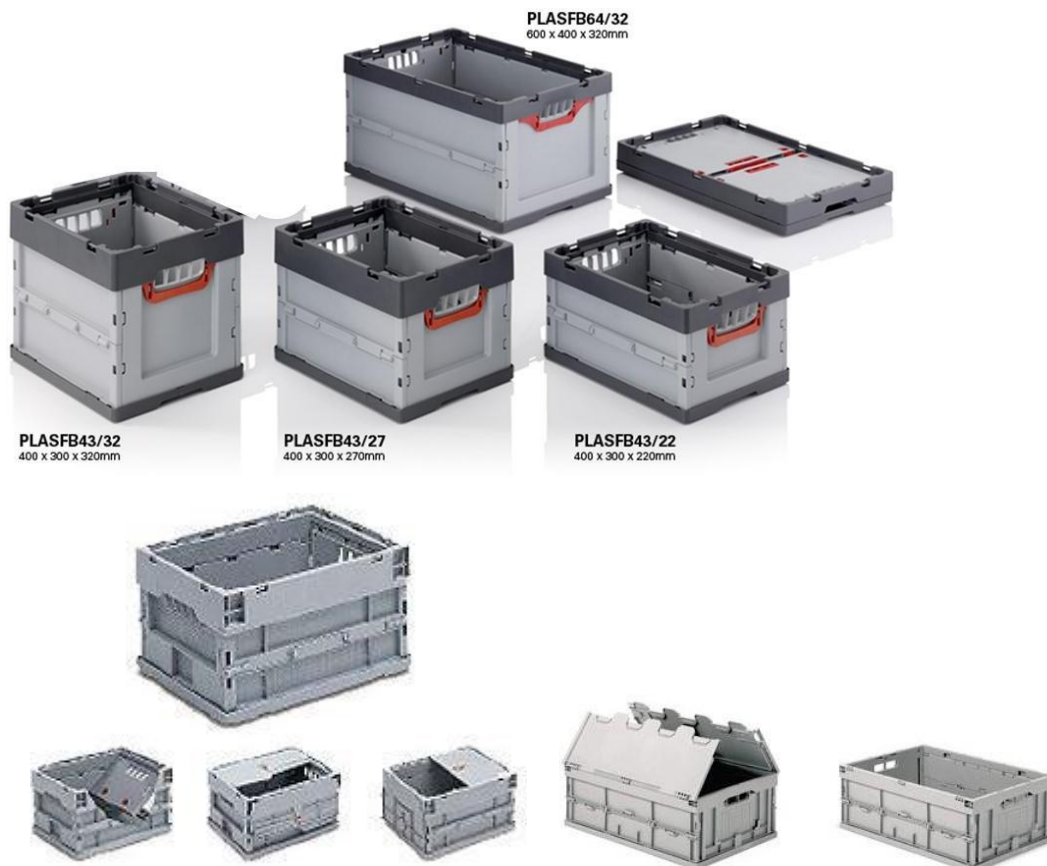
Faltbehälter
594 x 396 x 314 mm
neu: 9419004534

Other Folding Small Containers

Main features:

- volume: 59 l
- weight: 2,950 kg
- Solid base and walls
- Pimple pad area on one end
- Integrated label holder on one end
- foldable to reduce freight costs upon return
- stackable

More examples of foldable boxes



Realizado por: J.M. Galiano

Fecha: 31.03.2015

Aprobado por: J.A. Olano

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	10 / 29

2.3.2. Galia standard preferred returnable boxes

GALIA 6422 - 594 X 396 X 214 MM



Galia 6422
594 x 396 x 214 mm

Galia

Main features:

- volume: 39 l
- weight: 2.4 kg
- high load capacity
- solid base and walls
- card holder to identify the goods via bar coding
- integrated labelholder on one short side.
Optional on one long side
- highly suitable for automotive industry

GALIA 4322 - 396 X 297 X 214 MM



Galia 4322
396 x 297 x 214 mm

Galia

Main features:

- volume: 18 l
- weight: 1.4 kg
- solid base and walls
- card holder to identify the goods via bar coding
- integrated labelholder on one long side. Optional
on one short side
- high load capacity
- highly suitable for automotive industry

GALIA 4312 ORANGE - 396 X 297 X 114 MM



Galia 4312 orange
396 x 297 x 114 mm

Galia

Main features:

- volume: 9 l
- weight: 0.9 kg
- high load capacity
- solid base and walls
- card holder to identify the content via bar coding
- integrated labelholder on one long side. Optional
on one short side.
- highly suitable for automotive industry

Realizado por: J.M. Galiano

Fecha: 31.03.2015

Aprobado por: J.A. Olano

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	11 / 29

2.3.3. RL-KLT standard preferred returnable boxes

VDA RL-KLT 6280 - 594 X 396 X 280 MM



VDA RL-KLT 6280
594 x 396 x 280 mm

VDA R/RL-KLT

Main features:

- volume: 51.9 l
- weight: 2.7 kg
- vertical ribs for gripping and pulling technology
- map pocket
- integrated label holder on one long and one short side
- smooth base
- easy cleaning
- stackable

VDA RL-KLT 6147 - 594 X 396 X 147 MM



VDA RL-KLT 6147
594 x 396 x 147 mm

VDA R/RL-KLT

Main features:

- volume: 25.3 l
- weight: 1.8 kg
- vertical ribs for gripping and pulling technology
- map pocket
- integrated label holder on one short and one long side
- smooth base
- easy cleaning
- stackable

VDA RL-KLT 4280 - 396 X 297 X 280 MM



VDA RL-KLT 4280
396 x 297 x 280 mm

VDA R/RL-KLT

Main features:

- volume: 24.1 l
- weight: 1.7 kg
- vertical ribs for gripping and pulling technology
- map pocket
- integrated label holder on one short and one long side
- smooth base
- easy cleaning
- stackable

Realizado por: J.M. Galiano

Fecha: 31.03.2015

Aprobado por: J.A. Olano

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	12 / 29

VDA RL-KLT 4147 - 396 X 297 X 147 MM

VDA RL-KLT 4147 396 x 297 x 147 mm

VDA R/RL-KLT

Main features:



- volume: 11.8 l
- weight: 1.1 kg
- vertical ribs for gripping and pulling technology
- map pocket
- integrated label holder on one short and one long side
- smooth base
- easy cleaning
- stackable

2.3.4. Returnable boxes and palletization

TYPE	OVERALL DIM	Ext. DIM	1200 x 1000 PALLET		1200 x 800 PALLET	
			PACKS/ LAYER	LAYERS	PACKS/ LAYER	LAYERS
Galia 6422	600 x 400 x 214	594 x 396 x 214	5	4	4	4
Galia 4322	400 x 300 x 214	396 x 297 x 214	10	4	8	4
Galia 4312	400 x 300 x 114	396 x 297 x 114	10	8	8	8
RL-KLT 6280	600 x 400 x 280	594 x 396 x 280	5	3	4	3
RL-KLT 6147	600 x 400 x 147	594 x 396 x 147	5	6	4	6
RL-KLT 4280	400 x 300 x 280	396 x 297 x 280	10	3	8	3
RL-KLT 4147	400 x 300 x 147	396 x 297 x 147	10	6	8	6
P 6423	600 x 400 x 214	594 x 396 x 214	5	4	4	4
P 4323	400 x 300 x 214	396 x 297 x 214	10	4	8	4
P 6432	600 x 400 x 314	594 x 396 x 313	5	3	4	3

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	13 / 29

2.4. Not returnable packaging



Not returnable packaging can be composed by one or more cardboard boxes placed on a pallet.

The maximum gross weight of the P. U. shall be 15 kg.

With regard to stack ability, **when the H.U is not stackable, it must be identified with 'DO NOT LOAD ON TOP' labels or similar identification (see Annex 3).**

The internal transport processes at the supplier's and external transport processes (transport company collection routes...) shall observe these stack ability conditions and guarantee the correct handling of the load during transport.

If the packaging comprises several cardboard boxes placed on the pallet, the whole must be tied down using plastic strapping or stretch film to guarantee correct handling.

The individual boxes must be adequately sealed to assure they do not open during shipping or handling.

Taping or individual covers are accepted for closure. Avoid staples for boxes closure.

P.U. and H.U. must be correctly identified as per below mentioned labeling requirements.

Individual, Not returnable packaging must be defined by supplier based on the Gallia standard dimensions (**see section 2.3.2.**) or RL-KLT standard dimensions (**see sections 2.3.1. and 2.3.3.**).

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components




Tipo de documento	Versión	Página
Procedure	05	14 / 29

2.4.1. Gallia standard not returnable boxes and palletization



TYPE	OVERALL DIM	Ext. DIM	1200 x 1000 PALLET		1200 x 800 PALLET	
			PACKS/ LAYER	LAYERS	PACKS/ LAYER	LAYERS
C9	600 x 400 x 300	580 x 380x 280	5	3	4	3
C10	600 x 400 x 250	580 x 380 x 230	5	3	4	3
C11	600 x 400 x 200	580 x 380 x 180	5	4	4	4
C12	400 x 300 x 300	380 x 280 x 280	10	3	8	3
C13	400 x 300 x 200	380 x 280 x 180	10	4	8	4
C14	400 x 300 x 150	380 x 280 x 130	10	4	8	4
C15	300 x 200 x 200	280 x 180 x 180	20	4	16	4
C16	300 x 200 x 125	280 x 180 x 100	20	7	16	7
C40	300 x 200 x 90	280 x 180 x 70	20	7	16	7
C41	300 x 200 x 50	280 x 180 x 30	20	7	16	7

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components			
Tipo de documento		Versión	Página
Procedure		05	15 / 29

2.5. Emergency packaging.

All parts delivered in returnable packaging must have one “emergency” not returnable packaging defined, to be used for emergency shipments when the durable containers are not available due to unforeseen circumstances.

It is important for suppliers to develop emergency expendable packaging, which is exactly the same as the durable in size and pack density (total quantity and dimensions)

IT IS NOT ACCEPTABLE TO STOP SHIPMENTS AND/OR GENERATE A PRODUCTION STOP AT PIERBURG, S.A. DUE TO LACK OF PACKAGING.

2.6. Choice of packaging.

The supplier shall choose the packaging in accordance with the criteria laid down by Pierburg S.A. The aim is to use the standard KLT packaging indicated in section 2.3.1 to 2.3.3.. as far as it is possible and sustainable, or the not returnable packaging based on the RL-KLT or Gallia standard dimensions indicated in section 2.4.1.

Pierburg S.A. will decide the type of packaging depending on its technical and ergonomic specifications and conforming to the internal requirements of warehousing and production.

2.7. Validation of packaging

Pierburg S.A. Logistic Dept. has to validate for each reference the packaging proposal presented by the supplier, taking into account our Production, Quality and Purchasing requirements and always in collaboration with the Supplier.

For approval, the Supplier Packaging approval form must be completed according to our “**Packaging Data Form PIERBURG S.A. UPDATED.**” available in our web-site: <http://www.pierburg-sa.es> under SALES and LOGISTICS→SUPPLIER DOCUMENTS (see example in annex 4)

Packaging Data Form proposal from supplier must be sent to your contact of our Purchasing Dept. with copy to our Packaging specialist e-mail address:

JuanMari.Galiano@es.kspg.com

Supplier is not allowed to send parts without PIERBURG, S.A. Packaging Data Form being approved or released by a written form by our Logistic Dept.

The supplier is responsible to warrant product quality of the components from the point of manufacture to the point of consumption, including internal assembly or production lines at Pierburg, S.A.

Packaging design must protect the product during all the transit and handling processes and be ergonomic for users.

THE VALIDATION OF A PACKAGING DATA FORM DOES NOT EXEMPT THE SUPPLIER FROM THIS RESPONSIBILITY.

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	16 / 29

3. Parts delivery standard Conditions

3.1. Maximum Weight / Size.

The maximum weights per P.U. and H.U .defined in the following table **MUST** be observed:

Description	External dimensions (mm)	PREFERRED Max. Weight	Max. Weight
Euro pallet	1200x800x (max)1100		500 kg
American pallet	1200x1000x (max)1100		500 kg
RL-KLT / P KLT			
RL-KLT 6280	594 x 396 x 280	12 kg	15 kg
RL-KLT 6147	594 x 396 x 147	12 kg	15 kg
RL-KLT 4280	396 x 297 x 280	12 kg	15 kg
RL-KLT 4147	396 x 297 x 147	12 kg	15 kg
P 6423	594 x 396 x 214	12 kg	15 kg
P 4323	396 x 297 x 214	12 kg	15 kg
P 6432	594 x 396 x 313	12 kg	15 kg
GALIA			
Galia 6422	594 x 396 x 214	12 kg	15 kg
Galia 4322	396 x 297 x 214	12 kg	15 kg
Galia 4312	396 x 297 x 114	12 kg	15 kg
GALIA NOT RETURNABLE			
C9	600 x 400 x 300	12 kg	15 kg
C10	600 x 400 x 250	12 kg	15 kg
C11	600 x 400 x 200	12 kg	15 kg
C12	400 x 300 x 300	12 kg	15 kg
C13	400 x 300 x 200	12 kg	15 kg
C14	400 x 300 x 150	12 kg	15 kg
C15	300 x 200 x 200	12 kg	15 kg
C16	300 x 200 x 125	12 kg	15 kg
C40	300 x 200 x 90	12 kg	15 kg
C41	300 x 200 x 50	12 kg	15 kg

3.2. Euro pallet and American pallet.

The pallets used for the delivery must always be in perfect conditions. **Broken pallets shall not be accepted.** If the shipments are made with faulty pallets, Pierburg S.A. reserves the right not to unload the pallets or charge the supplier with the cost of their handling or restitution.

Deliveries on Euro pallets must be made in accordance with the criteria given in Annex 1.

Deliveries on American pallets must be made in accordance with the criteria given in Annex 2.

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	17 / 29

3.3. Non-standard Weights and Heights

The supplier shall observe the maximum package weights and heights as previously indicated.

Any other dimensions or weights must be expressly agreed with Pierburg S.A.

3.4. Safe transport of P.U. onto H.U.

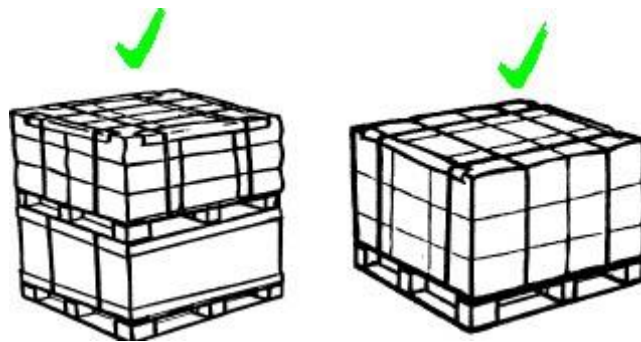
The packing unit shall be placed correctly on the pallet and fastened using plastic strapping or Stretch plastic film; the strapping must not have metallic elements (staples, etc.).

3.4.1. Acceptable and not acceptable

The delivery of materials in poor condition, broken boxes, pallets damaged or inadequate, etc, will lead to a claim and/or charges or cost invoicing to the supplier.

ACCEPTABLE

Edge boards, stretch wrapping, plastic banding, sufficient strength of cardboards, etc...



Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

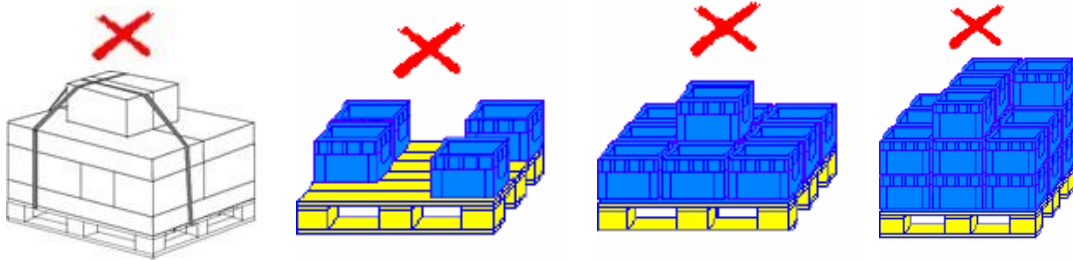
Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	18 / 29

NOT ACCEPTABLE

Pyramid stacking, incomplete levels



Broken packaging, broken pallets...



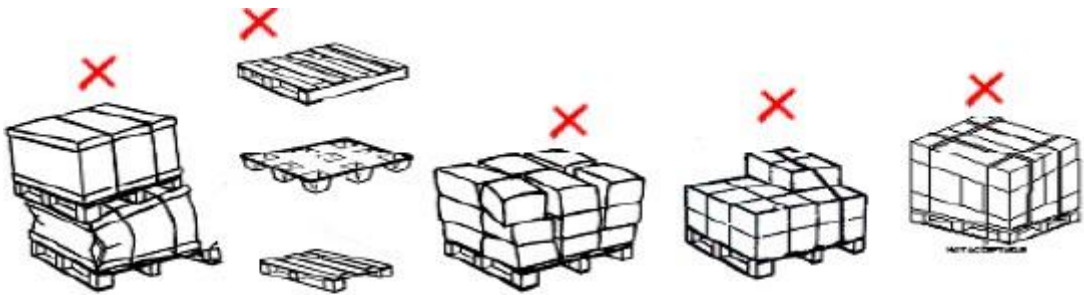
Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	19 / 29

NOT ACCEPTABLE



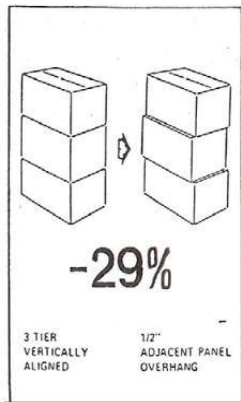
Collapsed stack
Insufficient durability

1. Two way entry
2. Fibre pallet
Use full perimeter base with under-runners

No banding of pallet

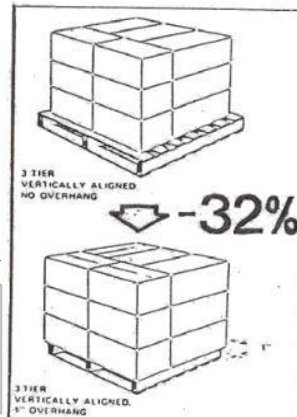
Pyramid load does not allow stacking

Banding under pallet base (restricts fork access)



Non alignment by 25mm results in a 29% compression

Overhang pallet in 25mm results in a 32% compression



3.5. Consistent packaging.

Different types of KLT or not returnable packaging must not be mixed on the same pallet.

NOT ACCEPTABLE



Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	20 / 29

3.6. Shipment.

A shipment process in accordance with the packaging must be guaranteed so that the goods are not damaged during these operations.

3.7. Special packaging

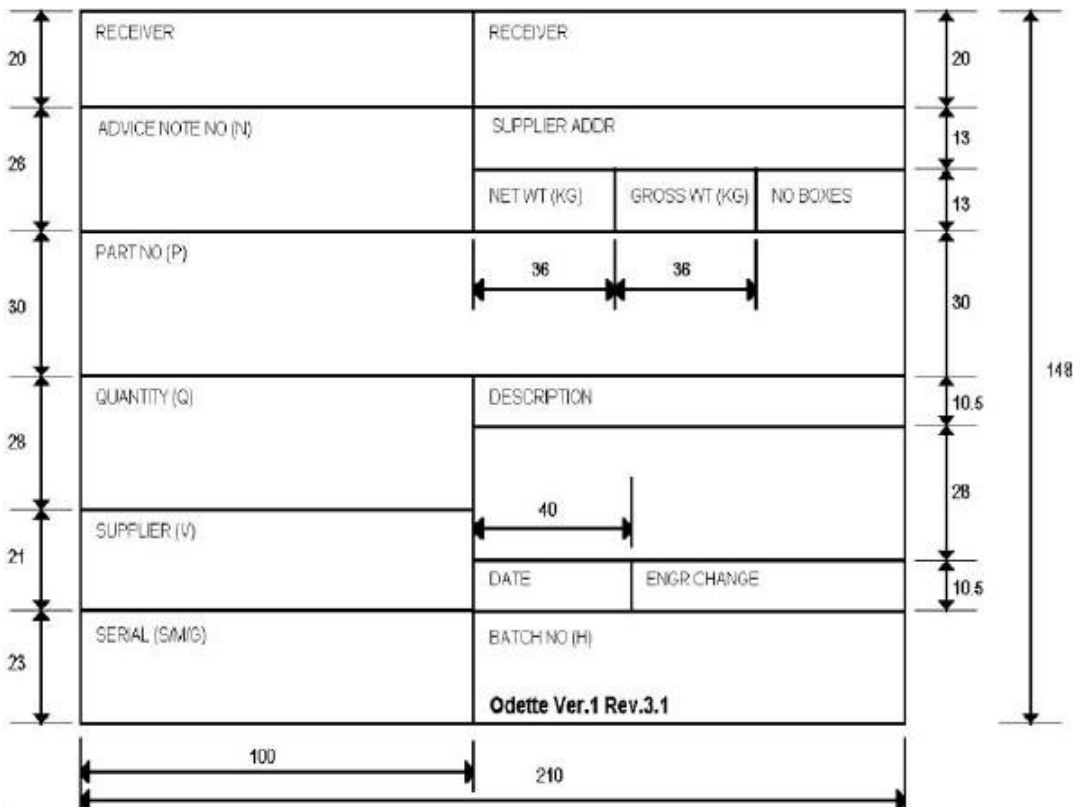
Pierburg, S.A. MUST always specifically authorize by written form to the supplier for the cases of special packaging (not included in this manual) before the supplier makes the shipment with a not standard or special packaging.

4. Identification of Packaging Units and Handling Units.

The supplier MUST identify each P.U. and H.U. using package labels according to our procedure "1502000 Labeling Requirements PIERBURG, S.A." available in our web-site: <http://www.pierburg-sa.es> under SALES and LOGISTICS→SUPPLIER DOCUMENTS, based on ODETTE Ver.1 Rev. 4, for Transport Labels, or its equivalent VDA 4902 Version 4

“Extract from the procedure 1502000 labeling Requirements Pierburg S.A”

Notice! Not actual size.



Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	21 / 29

(1) Recipient of goods Pierburg S.A. 48220 ABADIANO (VIZCAYA) 1		(2) Delivery address – storage place Pierburg S.A. Werk 030 – 0300 2	
(3) Delivery Note (N) 56390749  3		(4) Delivery address (abbreviation, plant, zip, city) IMS Gear GmbH – Werk 6, 78166 Donaueschingen 4	
(5) Article No. – Customer (P) 502439060  8		(5) Net package weight 107,52 5	(6) Gross package weight 171,60 6
(6) Quantity (Q) 7680  9		(7) No. of packages 16 7	
(12) Supplier – No. (V) 30405491  12		(10) Name delivery, output Welle komplett 10	
(13) Package No. (M) 21022598  15		(11) Article No. supplier (S08) 6325551 (11.1) Ident No.  11	
(17) Company IMS Gear GmbH – Werk 6, 78166 Donaueschingen		(13) Date D20101207 13	(14) Engineering change status D-5 02439 060 Index 00 14
		(16) Order No. (O) FA63144441  16	
		(18) goods tag VDA 4802 Version 4	

LABEL INFORMATION:

User Attributes:

M = Mandatory
D = Dependent
N = Not Used

Field Length:

an = alpha numeric value
a = alpha value
n = numeric value
...10 = 1-10 positions
10 = exact 10 positions

Data Identifiers:

N = Delivery Note Number
P = Part Number
Q = Quantity
V = Supplier ID
S = Simplified Handling Unit
M = Homogenous Handling Unit
G = Mixed Handling Unit
H = Batch Number

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	


Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	22 / 29

	Data Area Content	User Attributes	Field Length Excl. Data Identifiers	Bar code Size height (mm)	Text Size height (mm)	Data Identifiers
SHIPPING SECTION						
1	Receiver PIERBURG, S.A.'s unloading location.	M	2 lines x an...20		7	
2	Dock/Gate PIERBURG, S.A.'s final delivery point.	M	1 line x an...12		13	
3	Delivery Note Number Supplier's delivery note number.	M	an...8	13	7	N
4	Supplier Address Supplier's name and address, country of origin	M	an...29		5	
5	Net Weight Material weight within Transport Unit.	D	n...5		7	
6	Gross Weight Total Transport unit weight.	M	n...5		7	
7	No. of Boxes Number of packages within one Transport Unit.	D	n...5		7	
PARTS IDENTIFICATION SECTION						
8	Part Number PIERBURG, S.A.'s Part number.	M	n...15	13	13	P
9	Quantity Package or Transport unit quantity.	M	n...10	13	13	Q
9	Unit Of Measurement Default value: PCE	D	an..3		7	
10	Description PIERBURG, S.A.'s part description.	M	an...22		7	
11	Logistic Reference	N				
12	Supplier ID PIERBURG, S.A.'s Supplier number/ID.	M	an..5	13	5	V
13	Date Material production date (P) or despatch date (D).	M	an..7		7	
14	Engineering Change Buyer's engineering change number.	D	an..14		7	

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components			
Tipo de documento		Versión	Página
Procedure		05	23 / 29

15	Serial Number Supplier's Package or Transport Unit identification number.	D	n..9	13	5	S
15	Master Label Number Supplier's Transport unit identification number.	D	n..9	13	5	M or G
16	Batch Number Supplier's identification of documentation items.	M	n..9	13	5	H

4.1. Labeling Requirements

These requirements apply to returnable and not returnable P.U and H.U.

- Use a minimum of (1) standard label, per P.U and per H.U
- Locate the label in label holder (in Returnable packaging), ensuring label is of sufficient thickness to remain securely located in holder - (if necessary, a small sticker may be required to secure a label).
- Ensure that label is positioned outwards within the P.U. wherever possible.
- **Do not use self-adhesive labels in Returnable Packaging, self-adhesive labels are only allowed for not returnable packaging.**
- Ensure that transport labels and any other labelling that may be required withstand transportation and handling.

The delivery of materials with incorrect labeling, wrong labels (different material according to label information), etc., will lead to a claim and/or charges or cost invoicing to the supplier.

CORRECT LABELLING of each P.U. and H.U. is a MANDATORY requirement for Final Packaging Approval

As previously mentioned it **MUST be according to our procedure "1502000 Labeling Requirements PIERBURG, S.A."** available in our web-site: <http://www.pierburg-sa.es> under SALES and LOGISTICS→SUPPLIER DOCUMENTS, based on ODETTE Ver.1 Rev. 4, for Transport Labels, or its equivalent VDA 4902 Version 4

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	24 / 29

4.1.1. Acceptable and NOT acceptable labelling:

ACCEPTABLE



NOT ACCEPTABLE



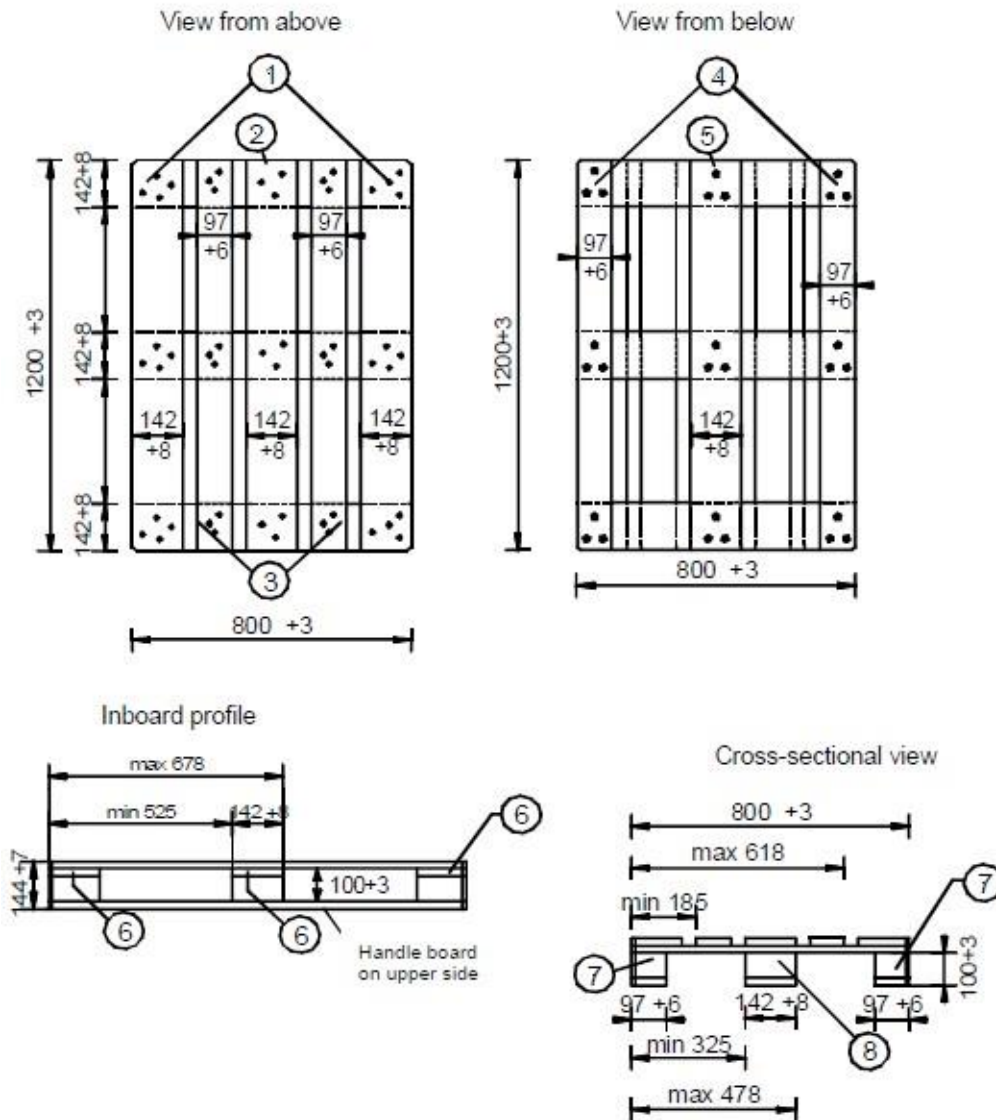
Realizado por: J.M. Galiano

Fecha: 31.03.2015

Aprobado por: J.A. Olano

5. Annexes

5.1. Annex 1: Euro pallet



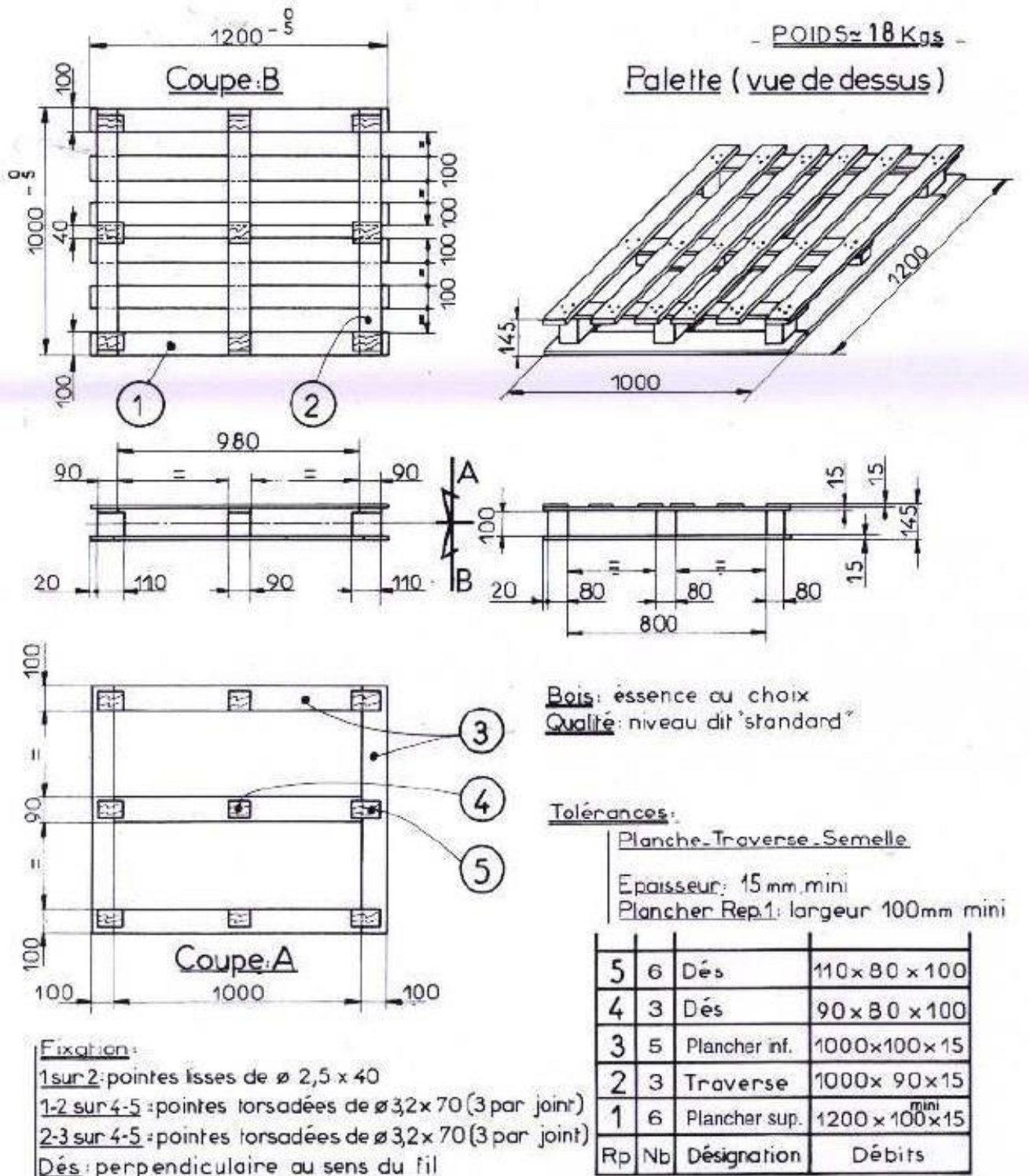
Serial No.	No. Of pieces	Identification	Nominal measurement of the components	Minimum measurement of board + admissible tolerances
1	2	Edge cover board	1200 x 145 x 22	1200+3 x 142+8 x 22+2
2	1	Middle cover board	1200 x 145 x 22	1200+3 x 142+8 x 22+2
3	2	Interior cover board	1200 x 100 x 22	1200+3 x 97+6 x 22+2
4	2	Edge runner boards	1200 x 100 x 22	1200+3 x 97+6 x 22+2
5	1	Middle runner board	1200 x 145 x 22	1200+3 x 142+8 x 22+2
6	3	Lateral board	800 x 145 x 22	800+3 x 142+8 x 22+3
7	6	Block	145 x 100 x 78	142+8 x 97+6 x 78+1
8	3	Block	145 x 145 x 78	142+8 x 142+8 x 78+1

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	26 / 29

5.2. Annex 2: American Pallet



Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	27 / 29

5. 3. Annex 3: Identification of NOT Stackable pallets



Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	28 / 29

5.4. Annex 4: Supplier Packaging Approval Form

Supplier packaging approval form				
RECIPIENT - address Company name: PIERBURG S.A. Company address: Barrio de Matiena s/n E - 48.200 Abadiano (Vizcaya) SPAIN			version:	issue date:
SUPPLIER - address Company name: Company address: Company contact: Supplier code:			Pierburg part number	Part photo
			Supplier part number	
			Part name	
			weight (kg)	
Packing Unit (PU) Packing type: PG Nr.: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG Size of PU L x W x H (mm): Tara Weight (Kg): Gross Weight (Kg): Qty of products In 1 PU: Qty of products In 1 layer: Qty of layers In 1 PU: Bulk Material <input type="checkbox"/> Yes <input type="checkbox"/> No Part orientation required <input type="checkbox"/> Yes <input type="checkbox"/> No ESD protection required <input type="checkbox"/> Yes <input type="checkbox"/> No Packing accessories: Owner Returnable Qty in 1 PU: Insert <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No cross pc. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No bag <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No Tray <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No Other <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No Comments to packaging unit: (e.g. description of accessories)			Photos / sketches of packaging unit	
Handling Unit (HU) Handling type: PG Nr.: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Supplier <input type="checkbox"/> PG Size of HU L x W x H (mm): Tara Weight (Kg): Gross Weight (Kg): Qty of products In 1 HU: Qty of products In 1 layer: Max. qty of PU layers In 1HU: Mixed loading valid <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Up load weight (kg): Stackability factor: Packing accessories: Material Nr./ Type Owner Returnable cover <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sup <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No fixation band <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sup <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No Other <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sup <input type="checkbox"/> PG <input type="checkbox"/> Yes <input type="checkbox"/> No Comments to packaging unit: (e.g. description of accessories)			Photos / sketches of handling unit	
Labeling / marking			<input type="checkbox"/> VDA <input type="checkbox"/> Odette <input type="checkbox"/> Galla <input type="checkbox"/> AIAG	
Additional Agreement (e.g. Incoterms)				
CUSTOMER ACCEPTANCE Company stamp: signature _____ date _____			SUPPLIER ACCEPTANCE Company stamp: e-mail: signature _____ date _____	

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	

Packaging Terms and Conditions for Components



Tipo de documento	Versión	Página
Procedure	05	29 / 29

Supplier packaging approval form

RECIPIENT - address		version: 02	issue date: 29/02/2014
Company name: PIERBURG S.A.		Pierburg part number	Part photo
Company address: Barrio de Matiena s/n E - 48.200 Abadiano (Vizcaya) SPAIN		5.XXXXX.01.0	
SUPPLIER - address		Supplier part number	
Company name: EXAMPLE COMPANY		X.XXXXX.XX.X	
Company address: Ctra. Example, Km.15,580 Pol. Example 50730 EL BURGO DE EBRO (Zaragoza)		Part name	Hose Connection, weight (kg)
Company contact: NAME SURNAME		0,0375	
Supplier code: 3000XXX			

Packing Unit (PU)			
Packing type		Returnable	Owner
Box	PGNr.:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Supplier <input type="checkbox"/> PG
Size of PU L x W x H (mm)	Tara Weight (Kg)	Gross Weight (Kg)	
300x400x210	0,491	6,116	
Qty of products in 1 PU	Qty of products in 1 layer	Qty of layers in 1PU	
150	150	0	
Bulk Material	Part orientation required	ESD protection required	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Packing accessories		Owner	Returnable
insert	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Supplier <input type="checkbox"/> PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
cross po.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Supplier <input type="checkbox"/> PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
bag	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Supplier <input type="checkbox"/> PG	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Tray	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Supplier <input type="checkbox"/> PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Supplier <input type="checkbox"/> PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments to packaging unit: (e.g. description of accessories)			

Handling Unit (HU)			
Handling type		Returnable	Owner
PALLET	PGNr.:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Supplier <input type="checkbox"/> PG
Size of HU L x W x H (mm)	Tara Weight (Kg)	Gross Weight (Kg)	
1200x800x1050 mm	45	270	
Qty of products in 1 HU	Qty of products in 1 layer	Max. qty of PU layers in 1HU	
6000	1200	5	
Mixed loading valid	Up load weight (kg)	Stability factor	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	270	1+1	
Packing accessories		Material No. / Type	Owner
cover	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Sup. PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
fixation band	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Sup. PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Sup. PG	<input type="checkbox"/> Yes <input type="checkbox"/> No
Comments to packaging unit: (e.g. description of accessories)			

Labeling / marking		<input type="checkbox"/> VDA <input checked="" type="checkbox"/> Odette <input type="checkbox"/> Galia <input type="checkbox"/> AIAG
Additional Agreement (e.g. incoterms)		

CUSTOMER ACCEPTANCE Company stamp: GALIANO MORENO, JUAN MARIA JuanMari.Galiano@es.kspg.com Tel.: 00 34 946 205 467 signature _____ date _____	SUPPLIER ACCEPTANCE Company stamp: e-mail: _____ signature _____ date 29/04/14
---	--

Dimensions of the PU (box)

Qty of pieces in one PU

Weight of the box + bag +insert, etc WITHOUT PIECES

Number of layers inside one PU, if aplicable

Number of packing accessories inside PU, in this case 1 bag

Total dimensions of the HU (dimensions of the pallet + boxes...

Total Qty of pieces in one HU

Weight of the packagings,pallet... WITHOUT parts

Total weight of the HU (in bascule)

Qty of layer in HU, in this example= 5

Qty of HU above HU which is on the ground, in the example 1 + 1 (ground +one above it)

Weight on top of one HU, in the example ONLY one HU above (270 Kg)

Qty of pieces in one layer, in this example: 150 pieces per box x 8 boxes per layer = 1200 pieces in 1 layer

Realizado por: J.M. Galiano	Fecha: 31.03.2015
Aprobado por: J.A. Olano	