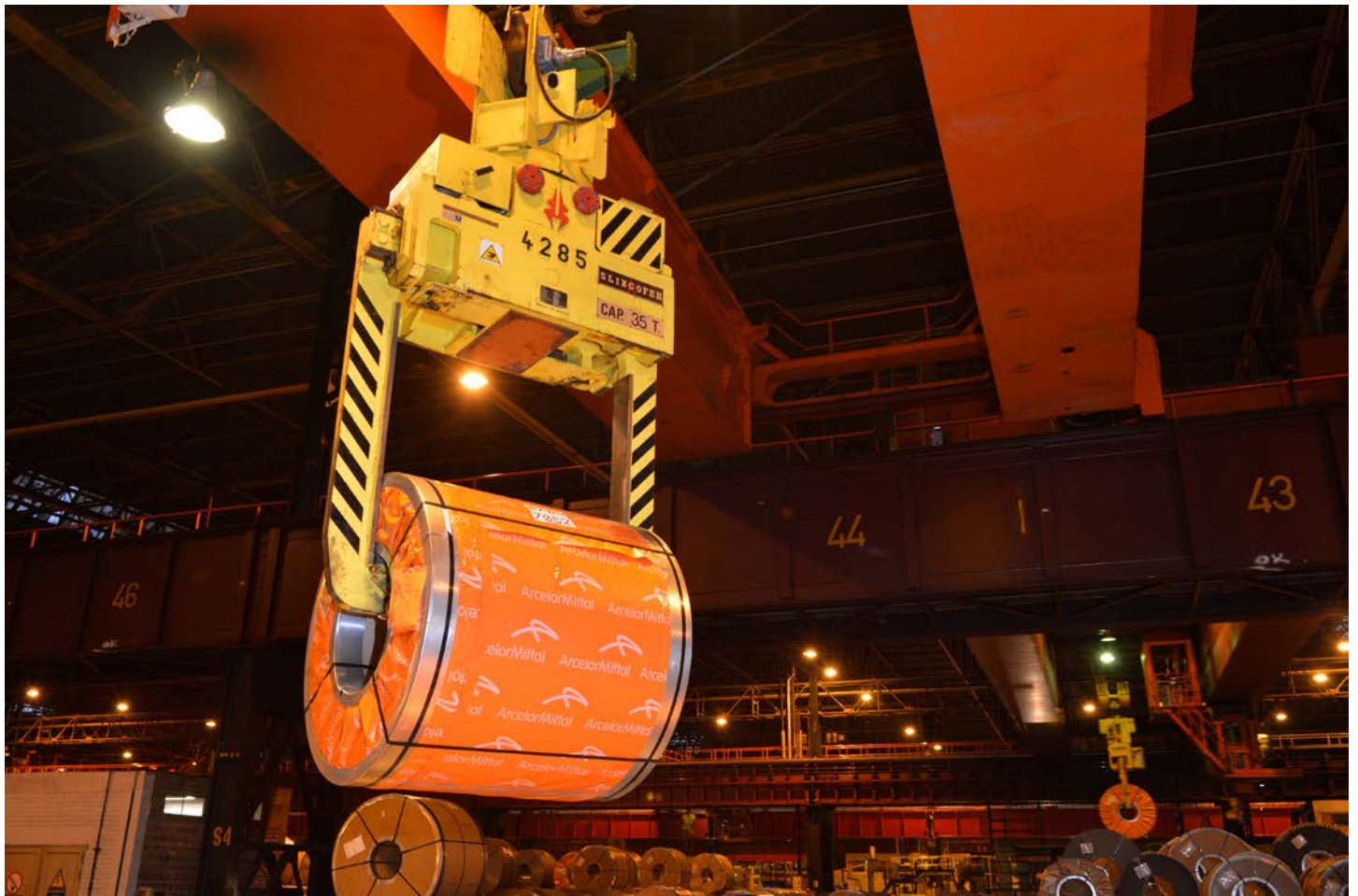




Packaging

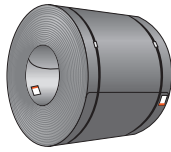
➤ Unpickled hot rolled coils	2
➤ Pickled hot rolled coils	4
➤ Cold rolled, electrogalvanised, galvanised and aluminised coils	7
➤ Organic coated coils	13



Unpickled hot rolled coils

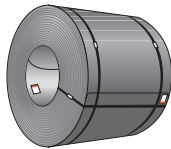
In this chapter you will find the packaging code definitions for the unpickled hot rolled steels that are mentioned in the A, C50 and D52 product catalogue sheets. These will enable you to check the components and characteristics of our standard packaging.

Land and Fluvial Transport



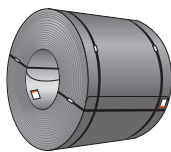
H01⁽¹⁾ ($R_e \leq 400$ MPa) (Land)

2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)



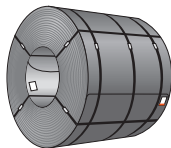
H02⁽¹⁾ ($R_e \leq 400$ MPa) (Fluvial)

2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
1 radial strap placed at the end side of the external lap



H03⁽¹⁾ ($400 < R_e \leq 550$ MPa)

2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
2 radial straps: one placed at the end side of the external lap, the other opposite to the first one

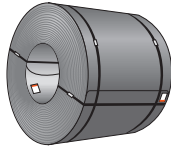


H05⁽¹⁾ ($R_e > 550$ MPa)

3 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
4 radial straps: one placed at the end side of the external lap, the others at 90°

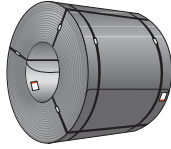


Fluvial, Maritime Continental and Intercontinental Transport



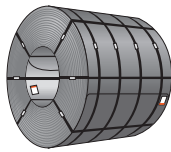
H03⁽¹⁾ ($R_e \leq 400$ MPa)

2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
2 radial straps: one placed at the end side of the external lap, the other opposite to the first one



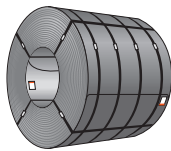
H04/HA4⁽¹⁾ ($400 < R_e \leq 550$ MPa)

H04: 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
3 radial straps: one placed at the end side of the external lap, the other two at 120°
HA4: H04 with vertical axis



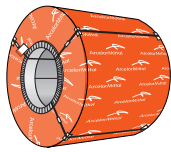
H06⁽¹⁾ ($R_e > 550$ MPa)

4 circumferential straps
6 radial straps equally spaced



H07⁽¹⁾ ($R_e > 550$ MPa) (Straps 32 x 1.27 mm)

4 circumferential straps
4 radial straps equally spaced



H11⁽²⁾

2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
Paper or plastic wrap
2 inner edge protection rings (steel)
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)

(1) Labelling: 1 self-adhesive label on the external lap and another on the internal lap opposite to the first one
Alternative: 1 label on each side on a strapped label-holder

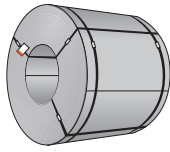
(2) Labelling: 1 label on each side on a strapped label-holder placed at 10h

Remark: Packaging definition may vary slightly due to technical advances or specific local conditions.

Pickled hot rolled coils

In this chapter you will find the packaging code definitions for the pickled hot rolled steels that are mentioned in the A, C50 and D52 product catalogue sheets. These will enable you to check the components and characteristics of our standard packaging.

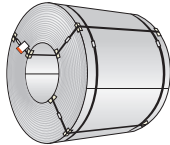
Land and Fluvial Transport (oiled products)



P01/P0A⁽¹⁾

P01 ($R_e \leq 550$ MPa): 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
3 radial straps at 2-5-10 o'clock

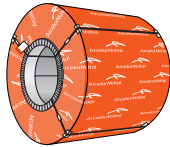
P0A ($R_e > 550$ MPa): 4 circumferential straps + 4 radial straps



P02⁽¹⁾

2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)

Land and Fluvial Transport (unoiled products)

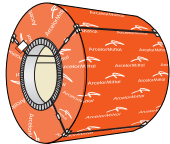


P11/P1A⁽¹⁾

P11: 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
Paper or plastic wrap

2 inner edge protection rings (steel)
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)

P1A: same definition but 4 circumferential straps + 1 radial strap on unwrapped coil

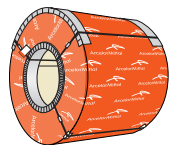


P13/P1C⁽¹⁾

P13 ($R_e \leq 550$ MPa): 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
Inside sleeve protection (cardboard)

Paper or plastic wrap
2 inner edge protection rings (steel)
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)

P1C ($R_e > 550$ MPa):
same definition but 4 circumferential straps + 1 radial strap on unwrapped coil



P14/P1D⁽¹⁾

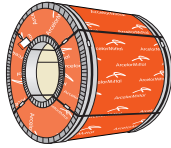
P14 ($R_e \leq 550$ MPa): 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)
Paper or plastic wrap

2 inner edge protection rings (steel)
2 x 1/3 outer edge protection rings (steel)
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)

P1D ($R_e > 550$ MPa):
same definition but 4 circumferential straps + 1 radial strap on unwrapped coil



Fluvial and Maritime Continental Transport



P16/PIF⁽¹⁾

P16 ($R_e \leq 550$ MPa): 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)

Inside sleeve protection (cardboard)

Paper or plastic wrap

2 inner edge protection rings (steel)

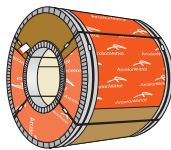
2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

4 radial straps at 2-4-8-10 o'clock

PIF ($R_e > 550$ MPa):

same definition but 4 circumferential straps + 1 radial strap on unwrapped coil



P21/P2A⁽¹⁾

P21 ($R_e \leq 550$ MPa): 2 circumferential straps

(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)

Paper or plastic wrap

Inside sleeve protection (cardboard)

1/3 outside sleeve/circumferential protection (hardboard)

2 inner edge protection rings (steel)

2*1/4 side protection disks (hardboard)

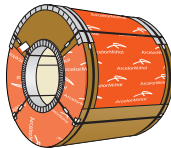
2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

4 radial straps at 2-4-8-10 o'clock

P2A ($R_e > 550$ MPa):

same definition but 4 circumferential straps + 1 radial strap on unwrapped coil



P22/P2B⁽¹⁾

P22 ($R_e \leq 550$ MPa): 2 circumferential straps

(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)

Paper or plastic wrap

Inside sleeve protection (cardboard)

2 circumferential strap protection strips (hardboard)

1/3 outside sleeve/circumferential protection (hardboard)

2 inner edge protection rings (steel)

2*1/4 side protection disks (hardboard)

2*1/3 outer edge protection rings

2 circumferential straps on the circumferential strap protection strips

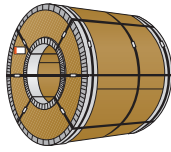
4 radial straps at 2-4-8-10 o'clock + corner protectors or "Us" (steel)

P2B ($R_e > 550$ MPa):

same definition but 4 circumferential straps + 1 radial strap on unwrapped coil



Maritime Continental and Intercontinental Transport



P24/P2D⁽²⁾

P24 ($R_e \leq 550$ MPa): 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)

Paper or plastic wrap

Inside sleeve protection (hardboard – steel for thickness > 4 mm)

Outside sleeve/circumferential protection (hardboard)

1 central circumferential strap

2 side protection disks (hardboard)

2 inner edge protection rings (steel)

2 outer edge protection rings (steel)

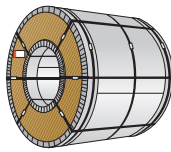
2 circumferential straps on the outer edge protection rings

6 radial straps for external diameter ≥ 1400 mm

(4 radial straps for external diameter < 1400 mm)

P2D ($R_e > 550$ MPa):

same definition but 4 circumferential straps + 1 radial strap on unwrapped coil



P25/P2E⁽²⁾

P25 ($R_e \leq 550$ MPa): 2 circumferential straps
(+ 1 central circumferential strap for width > 1600 mm or for thickness > 6 mm)

Inside sleeve protection (cardboard)

Paper or plastic wrap

Inside sleeve protection (steel)

Outside sleeve/circumferential protection (steel) + 1 circumferential strap

2 side protection disks (hardboard)

2 inner edge protection rings (steel)

2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

6 radial straps for external diameter ≥ 1400 mm

(4 radial straps for external diameter < 1400 mm)

P2E ($R_e > 550$ MPa):

same definition but 4 circumferential straps + 1 radial strap on unwrapped coil

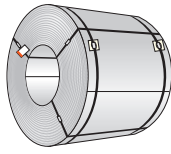
(1) Labelling: 1 label on each side on a strapped label-holder placed at 10h

(2) Labelling: 1 label on each side on a self-adhesive label-holder placed at 10h

Remark: Packaging definition may vary slightly due to technical advances or specific local conditions.

Cold rolled, electrogalvanised, galvanised and aluminised coils

In this chapter you will find the packaging code definitions for the cold rolled, electrogalvanised, galvanised and aluminised steels that are mentioned in the B, C (excl. C50), D (excl. D52) and E product catalogue sheets. These will enable you to check the components and characteristics of our standard packaging.



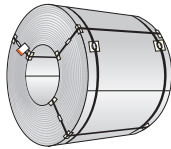
C01/C0Y/C0Z⁽¹⁾

C01: 2 circumferential straps + seal protectors as close as possible to the edges

3 radial straps at 2-5-10 o'clock

C0Y: same definition but 4 radial straps

C0Z: same definition but 2 radial straps (Road Land Transport only)



C02/C0V⁽¹⁾

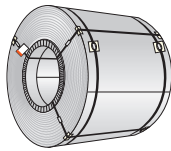
C02 (thickness ≤ 2 mm):

2 circumferential straps + seal protectors as close as possible to the edges

3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)

C0V (high thicknesses):

same definition + 1 central circumferential strap with graps protection



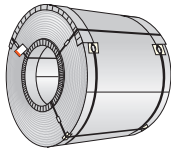
C03⁽¹⁾

2 circumferential straps + seal protectors as close as possible to the edges

Width > 1600 mm: + 1 circumferential strap

2 inner edge protection rings (steel)

3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)



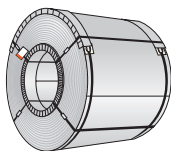
C04⁽¹⁾ (non-visible parts)

2 circumferential straps + seal protectors as close as possible to the edges

2 inner edge protection rings (steel)

2*1/3 outer edge protection rings

3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)



C0A⁽¹⁾

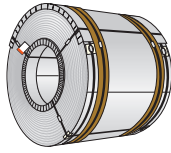
2 circumferential straps + seal protectors as close as possible to the edges

2*1/3 outer edge protection rings (steel)

2 inner edge protection rings (steel)

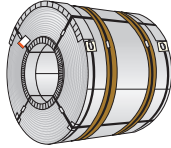
4 radial straps at 2-4-8-10 o'clock





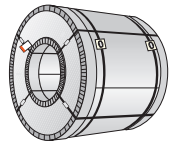
C05⁽¹⁾ (visible parts or thickness < 0.6 mm)

- Thickness ≤ 1 mm: 1 radial strap + corner protectors or “Us” (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- 2*1/3 outer edge protection rings
- 2 inner edge protection rings (steel)
- 3 radial straps at 2-5-10 o'clock + corner protectors or “Us” (steel)
- 2 circumferential strap protection strips
- 2 circumferential straps on the circumferential strap protection strips



COB⁽¹⁾

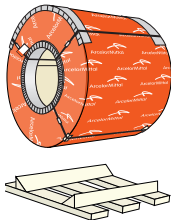
- 2 circumferential straps + seal protectors as close as possible to the edges
- Complete external oiling of the coil
- 2*1/3 outer edge protection rings (steel)
- 2 inner edge protection rings (steel)
- 2 corner protectors or “Us” (steel)
- 4 radial straps at 2-4-8-10 o'clock
- 2 circumferential strap protection strips



C06⁽¹⁾

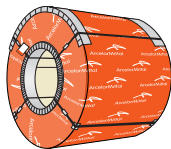
- 2 circumferential straps + graps protection as closest as possible to the edges (graps placed between 2 and 3 or 9 and 10 o'clock, if possible at the end of the external lap)
- 2 inner edge protection rings (steel)
- 2 outer edge protection rings (steel)
- 4 radial straps at 2-4-8-10 o'clock

Land and Fluvial Transport (with paper or plastic wrap)



C14/CL4/C13⁽¹⁾ (non-visible parts)

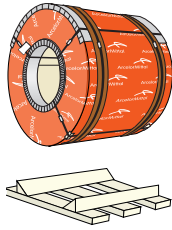
- C14:** 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2*1/3 outer edge protection rings
- 2 inner edge protection rings (steel)
- 3 radial straps at 2-5-10 o'clock + corner protectors or “Us” (steel)
- CL4:** same definition + cradle
- C13:** C14 + 1 circumferential strap with graps protection on unwrapped coil



C1A⁽¹⁾

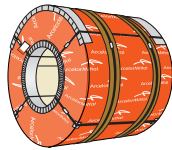
- 2 circumferential straps + seal protectors as close as possible to the edges
- Paper or plastic wrap
- Inside sleeve protection (cardboard)
- 2*1/3 outer edge protection rings
- 2 inner edge protection rings (steel)
- 4 corner protectors or “Us” (steel)
- 4 radial straps at 2-4-8-10 o'clock





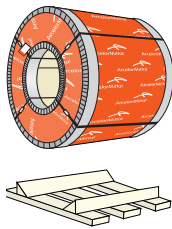
C15/CL5⁽¹⁾ (visible parts)

- C15:** Thickness ≤ 1 mm: 1 radial strap + corner protectors or “Us” (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2*1/3 outer edge protection rings
- 2 inner edge protection rings (steel)
- 3 radial straps at 2-5-10 o'clock + corner protectors or “Us” (steel)
- 2 circumferential strap protection strips
- 2 circumferential straps on the circumferential strap protection strips
- CL5:** same definition + cradle



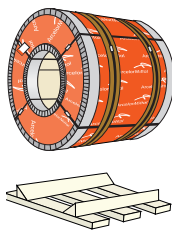
C1B⁽¹⁾

- 2 circumferential straps + seal protectors as close as possible to the edges
- Complete external oiling of the coil
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2*1/3 outer edge protection rings (steel)
- 2 inner edge protection rings (steel)
- 4 corner protectors or “Us” (steel)
- 4 radial straps at 2-4-8-10 o'clock
- 2 circumferential strap protection strips



C16/CL6⁽¹⁾ (non-visible parts) (long transport duration or multiple handlings)

- C16:** 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2 outer edge protection rings (steel)
- 2 inner edge protection rings (steel)
- 4 radial straps at 2-4-8-10 o'clock
- CL6:** same definition + cradle

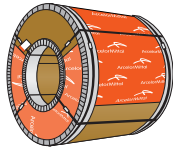


C17/CL7⁽¹⁾ (visible parts or thickness < 0.6 mm) (long transport duration or multiple handlings)

- C17:** Thickness ≤ 1 mm: 1 radial strap + corner protectors or “Us” (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2 outer edge protection rings (steel)
- 2 inner edge protection rings (steel)
- 4 radial straps at 2-4-8-10 o'clock
- 2 circumferential strap protection strips
- 2 circumferential straps on the circumferential strap protection strips
- CL7:** same definition + cradle



Fluvial and Maritime Continental Transport



C21⁽¹⁾

Thickness \leq 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap

Thickness $>$ 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges

Paper or plastic wrap

Inside sleeve protection (hardboard)

1/3 outside sleeve/circumferential protection (hardboard)

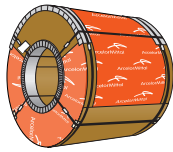
2 inner edge protection rings (steel)

2*1/4 side protection disks (hardboard)

2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings (steel)

4 radial straps at 2-4-8-10 o'clock



C22⁽¹⁾

Thickness \leq 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap

Thickness $>$ 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges

Paper or plastic wrap

Inside sleeve protection (hardboard)

2 circumferential strap protection strips (hardboard)

1/3 outside sleeve/circumferential protection (hardboard)

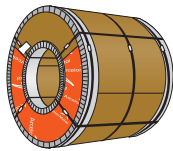
2 inner edge protection rings (steel)

2*1/4 side protection disks (hardboard)

2*1/3 outer edge protection rings

2 circumferential straps on the circumferential strap protection strips

4 radial straps at 2-4-8-10 o'clock + corner protectors or "Us" (steel)



C23⁽¹⁾

Thickness \leq 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap

Thickness $>$ 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges

Paper or plastic wrap

Inside sleeve protection (hardboard)

Outside sleeve/circumferential protection (hardboard)

1 central circumferential strap

2 inner edge protection rings (steel)

2*1/4 side protection disks (hardboard)

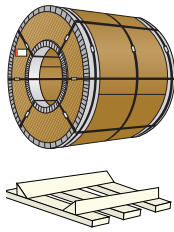
2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

4 radial straps at 2-4-8-10 o'clock



Maritime Continental and Intercontinental Transport



C24/CM4⁽²⁾

C24: 2 circumferential straps + seal protectors as close as possible to the edges

Paper or plastic wrap

Inside sleeve protection (hardboard)

Outside sleeve/circumferential protection (hardboard)

1 central circumferential strap

2 side protection disks (hardboard)

2 inner edge protection rings (steel)

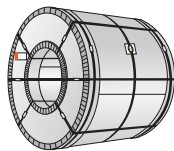
2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

6 radial straps for external diameter ≥ 1400 mm

(4 radial straps for external diameter < 1400 mm)

CM4: same definition + cradle



C26⁽²⁾

Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap

Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges

Inside sleeve protection (cardboard)

Paper or plastic wrap

Inside sleeve protection (steel)

Outside sleeve/circumferential protection (steel) + 1 circumferential strap + 1 seal protector

2 side protection disks (steel)

2 inner edge protection rings (steel)

2 outer edge protection rings (steel)

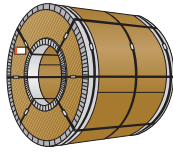
2 circumferential straps on the outer edge protection rings

6 radial straps for external diameter ≥ 1400 mm

(4 radial straps for external diameter < 1400 mm)



Maritime Intercontinental Transport



C27⁽²⁾

Thickness \leq 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap

Thickness $>$ 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges

Inside sleeve protection (hardboard)

Paper or plastic wrap

Inside sleeve protection (hardboard – 2nd layer)

Outside sleeve/circumferential protection (hardboard)

1 central circumferential strap

2 side protection disks (hardboard)

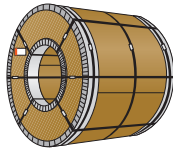
2 inner edge protection rings (steel)

2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

6 radial straps for external diameter \geq 1400 mm

(4 radial straps for external diameter $<$ 1400 mm)



C28⁽²⁾

Thickness \leq 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap

Thickness $>$ 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges

1st complete layer (hardboard) + 1 circumferential strap

2 inner edge protection rings (steel)

2 outer edge protection rings (steel)

3 radial straps at 2-5-10 o'clock

Tightness wrap in PE film

2nd complete layer (hardboard) + 1 circumferential strap

2 inner edge protection rings (steel)

2 outer edge protection rings (steel)

2 circumferential straps on the outer edge protection rings

6 radial straps for external diameter \geq 1400 mm

(4 radial straps for external diameter $<$ 1400 mm)

(1) Labelling: 1 label on each side on a strapped label-holder placed at 10h

(2) Labelling: 1 label on each side on a self-adhesive label-holder placed at 10h

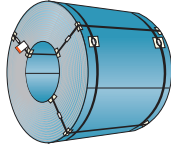
Remark: Packaging definition may vary slightly due to technical advances or specific local conditions.

Organic coated coils

In this chapter you will find the packaging code definitions for the organic coated steels that are mentioned in the F product catalogue sheets and the D varnishes sheets. These will enable you to check the components and characteristics of our standard packaging.

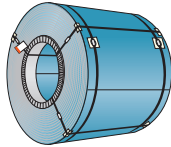
For buildings

Land and Fluvial Transport



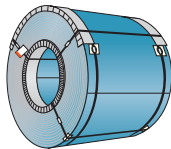
L02⁽¹⁾

2 circumferential straps + seal protectors as close as possible to the edges
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)



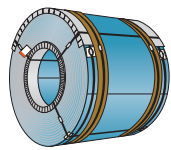
L03⁽¹⁾

2 circumferential straps + seal protectors as close as possible to the edges
2 inner edge protection rings (steel)
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)



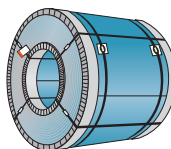
L04⁽¹⁾

2 circumferential straps + seal protectors as close as possible to the edges
2 inner edge protection rings (steel)
2*1/3 outer edge protection rings
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)



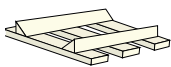
L05⁽¹⁾

2 circumferential straps + seal protectors as close as possible to the edges
2 inner edge protection rings (steel)
2*1/3 outer edge protection rings
3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)
2 circumferential strap protection strips
2 circumferential straps on the circumferential strap protection strips

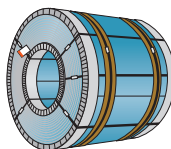


L06/LK6⁽¹⁾

L06: 2 circumferential straps + seal protectors as close as possible to the edges
2 inner edge protection rings (steel)
2 outer edge protection rings
4 radial straps at 2-4-8-10 o'clock



LK6: same definition + cradle



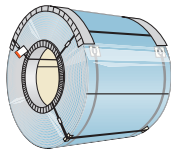
L07⁽¹⁾

Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap
Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
2 inner edge protection rings (steel)
2 outer edge protection rings
4 radial straps at 2-4-8-10 o'clock
2 circumferential strap protection strips
2 circumferential straps on the circumferential strap protection strips



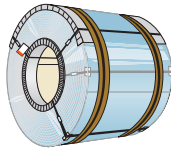
For domestic appliances

Land and Fluvial Transport



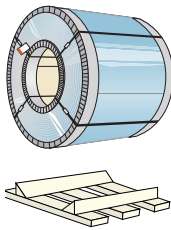
L14⁽¹⁾

- 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2*1/3 outer edge protection rings
- 2 inner edge protection rings (steel)
- 3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)



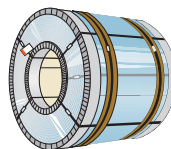
L15⁽¹⁾

- Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2*1/3 outer edge protection rings
- 2 inner edge protection rings (steel)
- 3 radial straps at 2-5-10 o'clock + corner protectors or "Us" (steel)
- 2 circumferential strap protection strips
- 2 circumferential straps on the circumferential strap protection strips



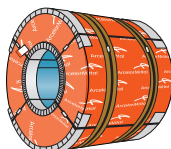
L16/LL6⁽¹⁾

- L16:** 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2 inner edge protection rings (steel)
- 2 outer edge protection rings
- 4 radial straps at 2-4-8-10 o'clock
- LL6:** same definition + cradle



L17⁽¹⁾

- Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- 2 inner edge protection rings (steel)
- 2 outer edge protection rings
- 4 radial straps at 2-4-8-10 o'clock
- 2 circumferential strap protection strips
- 2 circumferential straps on the circumferential strap protection strips

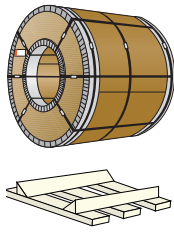


L19⁽¹⁾

- Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Paper or plastic wrap
- 2*1/3 topside edge protection rings (steel)
- 2*1/3 bottomside edge protection rings (steel)
- 2 inner edge protection rings (steel)
- Cut off the excess paper
- 4 radial straps at 2-4-8-10 o'clock
- 2 circumferential strap protection strips (hardboard)
- 2 circumferential straps

For all applications

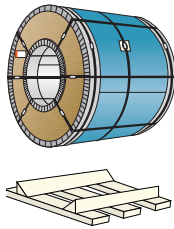
Maritime Continental and Intercontinental Transport



L24/LM4⁽²⁾

- L24:** Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Paper or plastic wrap
- Inside sleeve protection (hardboard)
- Outside sleeve/circumferential protection (hardboard)
- 1 central circumferential strap
- 2 side protection disks (hardboard)
- 2 inner edge protection rings (steel)
- 2 outer edge protection rings (steel)
- 2 circumferential straps on the outer edge protection rings
- 6 radial straps for external diameter ≥ 1400 mm
- (4 radial straps for external diameter < 1400 mm)

LM4: same definition + cradle



L25/LM5⁽²⁾

- L25:** Thickness ≤ 1 mm: 1 radial strap + corner protectors or "Us" (steel) at the end of the external lap
- Thickness > 1 mm: 2 circumferential straps + seal protectors as close as possible to the edges
- Inside sleeve protection (cardboard)
- Paper or plastic wrap
- Inside sleeve protection (steel)
- Outside sleeve/circumferential protection (steel) + 1 circumferential strap + seal protector
- 2 side protection disks (hardboard)
- 2 inner edge protection rings (steel)
- 2 outer edge protection rings (steel)
- 2 circumferential straps on the outer edge protection rings
- 6 radial straps for external diameter ≥ 1400 mm
- (4 radial straps for external diameter < 1400 mm)

LM5: same definition + cradle

(1) Labelling: 1 label on each side on a strapped label-holder placed at 10h

(2) Labelling: 1 label on each side on a self-adhesive label-holder placed at 10h

Remark: Packaging definition may vary slightly due to technical advances or specific local conditions.

Credits

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