

Product Packaging Standards

Introduction

This document provides details about Talkin' Things' product packaging standards. If your business has specific requirements for delivery, packing labeling or branding we will make every effort to accommodate your needs. In such cases, please reach out to our Customer Service Team. If no specific requirements are communicated while placing your order your RFID tags will be delivered in accordance with the guidelines described below.

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The Roll

Talkin' Things smart labels and tags are, as standard, delivered on reels with 3" (76 mm) paper core with 5mm foam lining.

For more detailed information on quality, such as yield or splicing, please refer to the Quality Standards document (SL-DMS-0001-S Talkin' Things Quality Standards).

Reel core

Core internal diameter	76 mm (3 in)
Core thickness	5 mm paper
Foam lining	5 mm foam



Interleaves

Interleaves are used for dry inlay rolls to protect chips from excessive point loads. Two widths of interleaves are used. Number of interleaves usually equals the number of antennas across the web plus one, but may differ depending on antenna size, shape and reel width to provide proper protection.

Interleaf width	15 - 20 mm
Material	paper



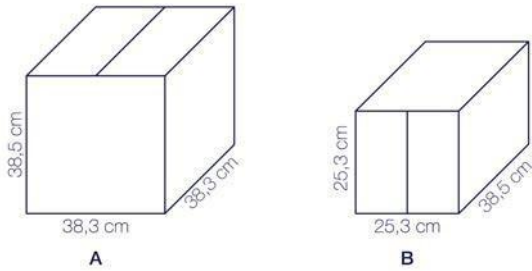
Roll wrapping





Each roll is wrapped in a paper, closed with a roll label.



The Box

Rolls are packed in cardboard boxes in two standard sizes, depending on the diameter of the roll - see diagram and table below. Boxes are closed with a paper tape with the Talkin' Things logo.

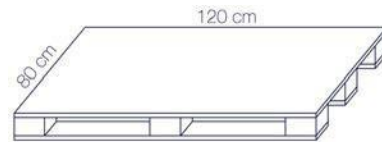


Roll diameter	<120 mm	121–185 mm	186–240 mm	241–370 mm
Box type	A	A	B	A
Box size	38,3 x 38,3 x 38,5 cm	38,3 x 38,3 x 38,5 cm	25,3 x 25,3 x 38,5 cm	38,3 x 38,3 x 38,5 cm
Rolls per layer	5	4	1	1
Stabilization	cardboard spacers and cardboard cores			cardboard spacers, cardboard core, (PP strap band, steel buckle if required)
Layers	variable, depending on product width			1
Example				

The Pallet

Boxes are stacked and secured on the pallets.

Height of the pallet may vary depending on the box size.



NOTE: If an order or batch contains only a few cartons, they may be shipped without a pallet as a multi-box shipment. The exact number may depend on the destination or freight conditions.

Pallet size	120 x 80 cm	
Pallet material	wood	
Certificates	IPPC, EPAL	
Stabilization	Cardboard liners between box layers, LDPE stretch film wrap, PP strap bands (with cardboard corner protectors and steel buckles)	
Box size	38,3 x 38,3 x 38,5 cm	25,3 x 25,3 x 38,5 cm
Max height	140 cm	145 cm
Boxes per layer	6 pcs	9 pcs
Boxes per pallet	18 pcs	45 pcs

Example



Labeling

Roll labeling

Label placement on the roll:

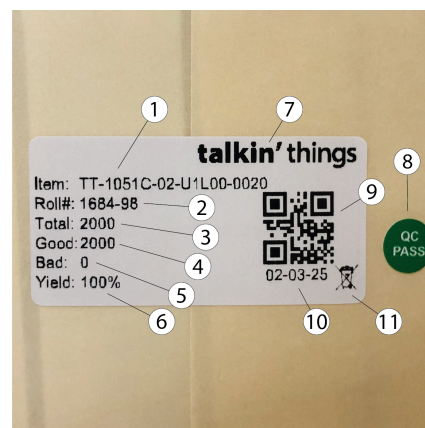
- core inside
- roll outside

NOTE: Do not remove the inner label as this will be necessary for accurate product and roll identification in case of any doubt.



The roll label contains following information:

1. Talkin' Things product part number
2. Roll number (batch number)
3. Total qty of tags on roll
4. Qty of good tags on roll
5. Qty of bad tags on roll
6. Roll yield (in %)
7. Talkin' Things logo
8. Quality Check label
9. QR code containing Talkin' Things internal roll tracking number
10. Packaging date
11. Selective waste collection symbol¹



Box labeling

Each box shall have labels for all rolls in the box placed on the box outside.

1. Labels for all rolls inside the box
2. Selective waste collection symbol¹



¹ In accordance with the Polish Act of September 11, 2015, on Waste Electrical and Electronic Equipment, complying to the European Parliament and Council Directive 2012/19/EU of July 4, 2012, on waste electrical and electronic equipment

Pallet labeling

- Each pallet shall have “No stacking” warning label (1)
- One of the pallets in the shipment shall have a Delivery Note attached (2)

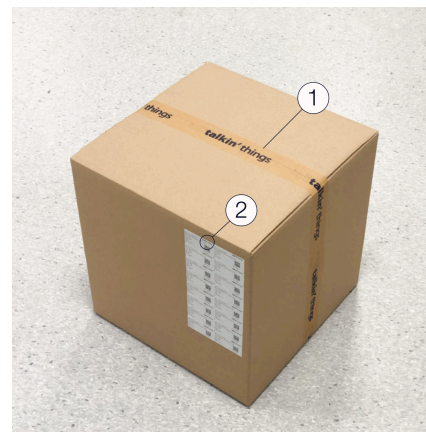


Talkin' Things branding

Talkin' Things logo is included:

- on box closing tape (1)
- on the roll labels on the roll and on the box (2)

NOTE: Some of the inlay designs contain the Talkin' Things logo as part of the antenna. Check the product datasheet for details.



Changelog

Rev.	Description	Date
1	Document creation	28.06.2024
2	Document update: <ul style="list-style-type: none"> • page 2 - “Interleaf width 14 - 20 mm” changed to “Interleaf width 15 - 20 mm”; • page numbering added. 	16.10.2024
3	Update to rev. 3.0 - no changes	05.11.2024
4	Roll and box label details updated	03.03.2025
5	Replacing an incorrectly described drawing	17.03.2025

