



SCHENKER

Parcelbox-API documentation

**GetNearestBoxes and GetBox for:
DB SCHENKER *parcel box***

Schenker AB, Sweden, specification version 1.3.0

GET - DeliveryPoint/v3

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1 General information

This document describes the API solution Parcelbox-API for GetNearestBoxes and GetBox methods used for the Swedish transport product DB SCHENKER *parcel box* for customers and system developers who wish to provide support and enable to choose parcel box for customers in checkout solutions.

NOTES

- *GetBox - is also used to validate Box ID and Box ProviderAddon before transport order is created and transferred to DB Schenker*
- *GetBox - is also used to add Parcel Box address data and Box ProviderAddon to transport order, if address data is not stored on customer order in ERP to transport order system, before transport order is created and transferred to DB Schenker*
- *The Parcel Box data is updated every day, and developed solution is required to update data daily*

Example of system providers for label and transport instruction solutions:
www.schenker.se/ta-system

1.1 Transport product information DB SCHENKER *parcel box*

DB SCHENKER *parcel box* specifications of e.g. max number of packages, size, weight and volume and available options, see latest product information via www.schenker.se/products and Transport Terms and Conditions and via: www.schenker.se/transportvillkor

1.2 Getting started

The webservice is located at the following URL:
<https://parcelservices-se.dbschenker.com/Apipartner/Help>

Authorizations information details for request:
<https://parcelservices-se.dbschenker.com/Apipartner/Help/GeneralInfo>

1.3 Help, example request, Postman example and Swagger

<https://parcelservices-se.dbschenker.com/Apipartner/Help/ExamplePage>

Postman:

Postman example available via above link.

To authenticate towards API in Postman use "prerequisite-script" setup, or remove "prerequisite-script" and use only Authorization-header according to 1.4, alternative 1.

Swagger links:

Test Swagger API page:

<https://staging-parcelservices-se.dbschenker.com/Apipartner/swagger/ui/index>

Production Swagger API page:

<https://parcelservices-se.dbschenker.com/Apipartner/swagger/ui/index>

1.4 Authentication API-access

Request API key for access to the Parcelbox-API via:

<https://forms.office.com/e/NbMeZaDm4c>

Access requires email address to enable communication of future updates and modifications.

NOTE

- *API credentials assigned to system providers with a central SAAS solution use the assigned API credentials for all customers in the same system solution.*

Authentication API-access alternative:

In API-request choose authentication solution in header based on below alternative.

Alternative 1:

Use basic authentication in header according to below:

Json/XML Header:	Value:	Username:	Apikey	Example:
Authorization	Basic MDA3Om15 YXBpa2V5	Your ID	Your secret API-key	"007:myapikey" -> base64encoded -> "MDA3Om15YXBpa2V5" Send as header "Authorization" with value "Basic " + base64encoded string.

Alternative 2:

Use API credentials (User ID and Key) in request as calculated hash according to

information in [1.2 Getting Started](#)

1.5 Checkout information and requirements for DB SCHENKER*parcel box* deliveries

- DB Schenker logotype is required in the checkout solution, according to: www.schenker.se/checkout
- Other checkout requirement regarding DB SCHENKER*parcel box* deliveries:
 - Smartphone app required to open the parcel box
 - Swedish Mobile BankID required to open the parcel box
 - Number of days/hours the parcel needs to be picked up from the parcel box
 - Also see latest DB SCHENKER*parcel box* product information and via links in [1.1 Transport product information DB SCHENKER*parcel box*](#)

1.6 Scheduling - Calculate transport days

To calculate number of transport days from pickup location zip code to chosen parcel box delivery zip code, integrate to DB Schenker Scheduling-API based on schedule for DB SCHENKER*parcel* (Scheduling transport service code 90).

Scheduling-API specification: www.schenker.se/api

1.7 Tracking – HTML-link and API solution

To create HTML-link to a Shipment-/Package-ID in our Tracking, or to integrate the Tracking-API.

Tracking solutions and Tracking specification: www.schenker.se/api

2 Method – GetNearestBoxes

2.1 Information

The Parcelbox-API solution GetNearestBoxes returns a list of nearby parcel boxes based on elements send in the request, example postal code.

To choose a parcel box automatically, enter the consumer’s Postal code, or additional elements, and then use the first item of the list. This will return the parcel box with the least distance to the consumer.

2.2 Request Element - GetNearestBoxes

Json/XML:	Description:	Element:	Example:
City	Consumer City	Optional	Göteborg
StreetAddress	Consumer Street address	Optional	Sten Sturegatan 10
PostalCode	Consumer Postal Code	Mandatory	41139
LocationMaxDistance	List boxes within meters from Consumer Street address. # To list and enable to choose possible boxes around a street address, regardless of the size of the city, use e.g. 5000 - 10000 meters (5-10 km) and limit number of selectable boxes in 'LocationsMaxQty'	Optional	7500
LocationsMaxQty	Number of boxes listed in the response	Optional	10
RequiresLowBox	If low boxes are required (false or true)	Optional	false

To choose parcel box automatically, enter the consumers address elements and then use the first parcel box in the response list.

2.3 Endpoint links - GetNearestBoxes

Swagger link:

See [1.3 Help, example request, Postman example and Swagger](#)

Test Endpoint API page:

<https://staging-parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestBoxes>

Test Endpoint Post link:

<https://staging-parcelservices-se.dbschenker.com/ApiPartner/DeliveryPoint/v3/GetNearestBoxes>

Production Endpoint API page:

<https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/POST-DeliveryPoint-v3-GetNearestBoxes>

Production Endpoint Post Link:

<https://parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetNearestBoxes>

2.4 Response Element - GetNearestBoxes

The response returns a list of parcel boxes based on consumer address in request.

Note: The list in response is returned sorted on distance from the consumer street address in request.

Json/XML:	Description and example:	Handle to Transport system/order:
Name	Name of the box	No
AddressId	Location identification number for the box. Example: 000108, 000109 etc.	Yes, Mandatory Box ID
Address	Object containing box address	-
Address.Name	Name of the box, same as in Name AddressId. Example: DB Schenker paketbox, iBoxen	Yes, Mandatory Box address
Address.AddressLine1	Street address of the box. Example: Värtavägen 57	Yes, Mandatory Box address
Address.AddressLine2	Short description of box location. Example: På högra gaveln	Yes, Mandatory Box address
Address.City	City of box location. Example: Stockholm	Yes, Mandatory Box address
Address.PostalCode	Postal code for box location. Example: 11538	Yes, Mandatory Box address
Address.CountryCode	Country code for box. Example: SE	Yes, Mandatory Box address
ProviderAddon	Box provider addon code. Example: BX1, BX2 etc.	Yes, Mandatory Box ProviderAddon

To handle above response to your transport system, label and transport order to DB Schenker Sweden, contact your system provider for specifications related to DB SCHENKER *parcel box*.

2.5 Error handling

According to error information and handling on:

<https://parcel-services-se.dbschenker.com/ApiPartner/Help/Api/POST-DeliveryPoint-v3-GetNearestBoxes>

3 Method – GetBox

3.1 Information

The GetBox method returns information about a specific Box ID and can be used to:

- validate Box ID before transport order for DB SCHENKER *parcel box* is created and transferred to DB Schenker.
- add Box data to transport order, if not stored on customer order in ERP to transport order system before transport order for DB SCHENKER *parcel box* is created and transferred to DB Schenker.

To obtain an access key to GetBox, see [chapter 1.3](#)

3.2 Request Element - GetBox

Json/XML:	Description	Mandatory:	Example:
addressId	Box ID	Yes	“000109”

3.3 Endpoint links - GetBox

Swagger link:

See [1.3 Help, example request, Postman example and Swagger](#)

Test Endpoint API page:

<https://staging-parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetBox addressId>

Test Endpoint Get link:

<https://staging-parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetBox?addressId=>

Production Endpoint API page:

<https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetBox addressId>

Production Endpoint Get Link:

<https://parcelservices-se.dbschenker.com/Apipartner/DeliveryPoint/v3/GetBox?addressId=>

3.4 Response Element - GetBox

The response returns data of the parcel box based on Box ID in request.

See chapter [2.4 Response Element - GetNearestBoxes](#)

3.5 Error handling

According to error information and handling on:

https://parcelservices-se.dbschenker.com/Apipartner/Help/Api/GET-DeliveryPoint-v3-GetBox_addressId

3.6 Support

Support questions related to the API solution and documentation:
agi@dbschenker.com

3.7 Revision notes

Changes in this document:

Version:	Notes:	Date:
1.0.0	Document created	2023-01-27
1.1.0	<ol style="list-style-type: none"> 1. Clarification in 1.3 Authentication, use API credentials in request as calculated hash according to information in 1.1 Getting Started 2. 2.2 Request, Request element table created to clarify requests 3. 2.2 Request, Links to Post request in Test and Production clarified 4. Update of Name headers 5. Add Tracking information and changed link to Scheduling-API 	2023-02-27
1.1.1	Minor spell corrections	2023-03-07
1.2.0	<ol style="list-style-type: none"> 1. New content 1.1 Transport product information DB SCHENKERparcel box 2. Clarification in 1.3 Authentication related to system providers 3. Update 2.2 Request Element – GetNearestBoxes, no longer mandatory to apply City and Street Address in request 4. Update 2.4 Response Element – GetNearestBoxes, changed the list to match the order in the response 5. Updated new staging HTTPS-link for method GetNearestBoxes 6. Updated links to DB Schenker Sweden homepage 	2023-06-14
1.3.0	<p>Update in “1.3. Help, example request and Postman example”, add info related to:</p> <ol style="list-style-type: none"> 1. Postman example added on example help page 2. Swagger links added <p>Update in “1.4 Authentication API-access”, add info related to:</p> <ol style="list-style-type: none"> 1. New authentication API-access alternative to simplify access 	2023-12-12