



# Get Shipping Rates

TIP

## Requirements

- Getting rates assumes you understand how to [List Your Carriers](#).
- Getting rates requires that you use a `carrier_id`.

It's not uncommon that you want to give your customer the choice between whether they want to ship the fastest, cheapest, or the most trusted route. Most companies don't solely ship things using a single shipping option; so we provide functionality to show you all your options!

Similar to the [Quickstart: Create a Label](#) we need to know some basic information to get a rate.

## Example

POST `/v1/rates/`

Given some shipment details and rate options, this endpoint returns a list of rate quotes. You can then [Use a Rate to Print a Label](#).

You can choose to validate the address as part of the rate request, which will help ensure that you get back the most accurate rates possible. The address validations options are:

Validation Option	Description
-------------------	-------------



```
validate_and_clean | adjustments.
```

## Example (with shipment details)

This example shows how to get rates by passing-in the shipment details and rate options.



```
22     },
23     "ship_from": {
24       "name": "Dade Murphy",
25       "phone": "512-485-4282",
26       "company_name": "Zero Cool",
27       "address_line1": "345 Chambers Street",
28       "address_line2": "Suite 100",
29       "city_locality": "New York City",
30       "state_province": "NY",
31       "postal_code": "10282",
32       "country_code": "US"
33     },
34     "packages": [
35       {
36         "weight": {
37           "value": 1.0,
38           "unit": "ounce"
39         }
40       }
41     ]
42   }
43 }
```

## Example (with shipment\_id)

If you've already [created a shipment](#), then you can pass the `shipment_id` instead of the full shipment details.

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### Note

You can either pass the full `shipment` details or a `shipment_id`, but not both in the same request.




```

8 |     "carrier_ids": [
9 |       "se-123890"
10 |     ]
11 |   }
12 | }'

```

The response can be quite daunting depending on how many [carriers](#) you requested rates from. We excluded all but one in our response below. As you can see, there's a lot of data that comes back in a response.

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### Pro Tip

Each rate includes itemized prices for `shipment_amount`, `insurance_amount`, `confirmation_amount`, and `other_amount`. The **total rate** is the sum of all these amounts.

```

22 |         "amount": 0.00
23 |       },
24 |       "other_amount": {
25 |         "currency": "usd",
26 |         "amount": 0.00
27 |       },
28 |       "delivery_days": 3,
29 |       "guaranteed_service": false,
30 |       "estimated_delivery_date": "2019-07-26T05:00:00.000Z",
31 |       "carrier_delivery_days": "Friday by 11:00 PM",
32 |       "ship_date": "2019-07-26T05:00:00.000Z",
33 |       "negotiated_rate": false,
34 |       "service_type": "UPS® Ground",
35 |       "service_code": "ups_ground",
36 |       "trackable": true,
37 |       "validation_status": "valid",
38 |       "warning_messages": [],
39 |       "error_messages": [],
40 |       "carrier_code": "ups",
41 |       "carrier_nickname": "UPS-28A1R9",
42 |       "carrier_friendly_name": "UPS"
43 |     }
44 |   ],
45 |   "invalid_rates": []
46 | },

```



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### Don't want to wait for rates?

ShipEngine supports asynchronous requests using [Web Hooks](#) and status polling.

**Waiting is recommended** if you need to display the rates as a "next step" for your user, or if you're developing for a platform that does not support web hooks.

## Example (Find Rates with Package Types)

This example shows how to get rates that are filtered by a specific set of package types. If no package type is specified the the *default* package type for that carrier is used, not all package types.

```
1 curl -iX POST https://api.shipengine.com/v1/rates \  
2 -H 'Content-Type: application/json' \  
3 -H 'API-Key: __YOUR_API_KEY_HERE__' \  
4 -d '  
5 {  
6   "shipment_id": "se-123",  
7   "rate_options": {  
8     "carrier_ids": [  
9       "se-123890"  
10    ],  
11    "service_codes": [],  
12    "package_types": [  
13      "cubic",  
14      "flat_rate_envelope"  
15    ]  
16  }  
17 }'
```

## Example (Find Rates with service codes)

This example shows how to get rates that are filtered by a specific set of service codes. If no service code is specified then *all* service codes are returned.



```
8     "carrier_ids": [
9       "se-123890"
10    ],
11    "service_codes": [
12      "usps_first_class_mail",
13      "usps_priority_mail",
14      "ups_next_day_air_early_am"
15    ],
16    "package_types": []
17  }
18 }'
```

## Example (Find Rates with service codes and package types)

This example shows how to get rates that are filtered by a combination of service codes and package types.

```
1  curl -iX POST https://api.shipengine.com/v1/rates \
2  -H 'Content-Type: application/json' \
3  -H 'API-Key: __YOUR_API_KEY_HERE__' \
4  -d '{
5    {
6      "shipment_id": "se-123",
7      "rate_options": {
8        "carrier_ids": [
9          "se-123890"
10       ],
11       "service_codes": [
12         "usps_first_class_mail",
13         "usps_priority_mail",
14         "ups_next_day_air_early_am"
15       ],
16       "package_types": [
17         "cubic",
18         "flat_rate_envelope"
19       ]
20     }
21   }'
```



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