Chapter 06: Production

Exercise 06-01: Production Master Data

Multiple Company Code

Version 4.12

Revised 8/8/2014

Introduction

General Notes and Information

It is strongly recommended that you read through the entire exercise prior to starting. Not all instructions can be provided in a linear manner in the exercise itself. READ CAREFULLY!

The following symbols are used to indicate important information as described below.

* An arrow highlights an important instruction that must not be overlooked.

🖉 A pencil prompts you to write down an important piece of information.

Each student or group will be assigned a unique two-digit identifier. This identifier is used in all exercises. Whenever you see ##, replace it with your identifier. For example, Joe may have an identifier of 05. Every time Joe sees the ## symbol, he will replace it with “05”.

* Always work with your data.

Business Process Overview

Global Bicycle Incorporated (GBI) uses the production process to manufacture goods to place into inventory and to fill customer orders received from the fulfillment process through sales.

In this exercise, you create the master data that are relevant to the production process.

Exercise Prerequisites

There are no prerequisites needed.

Exercise Workflow

Exercise Deliverables

Deliverables are consolidated into one worksheet at the end of the exercise. It is only necessary to turn in that worksheet and that worksheet alone along with data in the system if required.

For this exercise you will need the following deliverables:

In the System:

* Materials Created
* Semifinished Product Bill of Material Created
* Finished Product Bill of Materials Created
* Semifinished Product Routing Created
* Finished Product Routing Created
* Initial Inventory Balance Created

On Paper:

* Answer(s) to Question(s)
* Table(s) Filled Out
* You may be assigned additional deliverables. Make certain to check with your instructor.

Step 1: Create Materials

In this step, you will be creating your own version of all the below raw materials, semi-finished goods, and finished goods necessary for the production process within the material master. The following table consists of five columns: the original material description, the original material number, your material number, the material type, and your storage location where it is.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Number | Your Number | Type | Your S.L. |
| Brake Kit | BRKT1000 | BKRT1033 | Raw | RM33 |
| Chain | CHAN1000 | CHAN1033 | Raw | RM33 |
| Derailleur Gear Assembly | DGAM1000 | DGAM1033 | Raw | RM33 |
| Hex Nut 5 mm | HXNT1000 | HXNT1033 | Raw | RM33 |
| Lock Washer 5 mm | LWSH1000 | ;LWSH1033 | Raw | RM33 |
| Packaging | PCKG1000 | PCKG1033 | Raw | RM33 |
| Pedal Assembly | PEDL1000 | PEDL1033 | Raw | RM33 |
| Socket Head Bolt 5x20mm | BOLT1000 | BOLT1033 | Raw | RM33 |
| Touring Aluminum Wheel | TRWH1000 | TRWH1033 | Raw | RM33 |
| Touring Frame-Red | TRFR3000 | TRFR3033 | Raw | RM33 |
| Touring Handle Bar | TRHB1000 | TRHB1033 | Raw | RM33 |
| Touring Seat Kit | TRSK1000 | TRSK1033 | Raw | RM33 |
| Touring Tire | TRTR1000 | TRTR1033 | Raw | RM33 |
| Touring Tube | TRTB1000 | TRTB1033 | Raw | RM33 |
| Warranty Document | WDOC1000 | WDOC1033 | Raw | RM33 |
| Touring Aluminum Wheel Assembly | TRWA1000 | TRWA1033 | Semi. | SF33 |
| Deluxe Touring Bike (red) | DXTR3000 | DXTR1033 | Fin. | FG33 |

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Material Master 🡪 Material 🡪 Create (General) 🡪 Immediately

1. What is the transaction code to create a general material immediately? MM01 🖉
2. What is the transaction code to change a material immediately? MM02 🖉
3. What is the transaction code to display a current material? MM03 🖉
4. You are in the “Create Material (Initial Screen)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | BRKT10## |
| Industry Sector | Mechanical engineering |
| Material Type | Raw materials |
| Copy from…Material | Original Brake Kit |

1. Click on  (ENTER).
2. In the “Select View(s)” pop-up, click on the  “Deselect All” icon.
3. Highlight the “Basic Data 1” row.

* Remember that by selecting the “Basic Data 1” row (because this has already been created in the system by the administrator) doesn’t necessarily create the view but yet, keeps it in the default to display the material to answer some of the questions at the end of this step for the chart.

1. Highlight the “Purchasing” row.
2. Highlight the “MRP 1” row.
3. Highlight the “General Plant Data / Storage 1” row.
4. Highlight the “Accounting 1” row.
5. Highlight the “Costing 1” row.
6. Click on  (SAVE AS DEFAULT VALUES).

* The first time you go through the above step, clicking on this default icon will save these selections as defaults so that they will automatically be selected the next time through.

1. Click on  (CONTINUE (ENTER)).
2. In the “Organizational Levels” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Plant | Your Dallas Plant |
| Stor. Location | Your Raw Materials |
| Copy from Plant | Original Dallas Plant |
| Copy from Stor. Location | Original Raw Materials |

1. Click on  (SAVE AS DEFAULT VALUES).
2. Click on  (CONTINUE (ENTER)). You will receive a message that says “The material already exists and will be extended”.
3. You are in the “Create Material BRKT10## (Raw materials)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| (material description at the top) | ## Brake Kit |
| Purchasing Group | Your GBI Buyer |

1. Click on  (ENTER) until you reach the last tab.
2. Click on  (ENTER).
3. In the “Last data screen reached” pop-up, click on the  icon. You will receive a message that says “Material BRKT10## created”.
4. Refer to the beginning of this step to create the rest of your raw materials.
5. You are in the “Create Material (Initial Screen)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | TRWA10## |
| Material Type | Semifinished Product |
| Copy from…Material | Original Touring Aluminum Wheel Assembly |

1. Click on  (ENTER).
2. In the “Select View(s)” pop-up, deselect the “Purchasing” row.
3. Highlight the “Work Scheduling” row.
4. Click on  (SAVE AS DEFAULT VALUES).
5. Click on  (CONTINUE (ENTER)).
6. In the “Organizational Levels” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Stor. Location | Your Semi-Fin. Goods |
| Copy from Stor. Location | Original Semi-Fin. Goods |

1. Click on  (SAVE AS DEFAULT VALUES).
2. Click on  (CONTINUE (ENTER)). You will receive a message that says “The material already exists and will be extended”.
3. You are in the “Create Material TRWA10## (Semifinished Product)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| (material description at the top) | ## Touring Aluminum Wheel Assembly |
| MRP Type | MRP |

1. Click on  (ENTER) until you reach the last tab.
2. Click on  (ENTER).
3. In the “Last data screen reached” pop-up, click on the  icon. You will receive a message that says “Material TRWA10## created”.
4. You are in the “Create Material (Initial Screen)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | DXTR30## |
| Material Type | Finished Product |
| Copy from…Material | Original Deluxe Touring Bike (red) |

1. Click on  (ENTER).
2. In the “Select View(s)” pop-up, click on the  icon.
3. In the “Organizational Levels” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Stor. Location | Your Finished Goods |
| Copy from Stor. Location | Original Finished Goods |

1. Click on  (CONTINUE (ENTER)). You will receive a message that says “The material already exists and will be extended”.
2. You are in the “Create Material DXTR30## (Finished Product)” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| (material description at the top) | ## Deluxe Touring Bike (red) |
| MRP Type | MRP |

1. Click on  (ENTER) until you reach the last tab.
2. Click on  (ENTER).
3. In the “Last data screen reached” pop-up, click on the  icon. You will receive a message that says “Material DXTR30## created”.

Exercise Deliverables

In the System:

* Materials Created

On Paper:

* Answer(s) to Question(s)
* Table(s) Filled Out

Step 2: View Inventory Balance

In this step, you look at the inventory balance of a raw material located within Dallas.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Physical Inventory 🡪 Environment 🡪 Stock Overview

1. What is the transaction code to display a material’s inventory level? MMBE 🖉
2. You are in the “Stock Overview: Company Code/Plant/Storage Location/Batch.”

screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Touring Frame-Red |
| Plant | Your Dallas Plant |
| Storage location | Your Raw Materials |

1. Click on  (EXECUTE).
2. How many touring frames-red are in unrestricted use? 0 🖉
3. How many touring frames-red are in reserved stock? 0 🖉
4. How many touring frames are in on-order stock? 0 🖉

Exercise Deliverables:

In the System:

* None

On Paper:

* Answer(s) to Question(s)

Step 3: View Material Inventory

In this step, you view your material inventory of all your materials maintained in Dallas.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Environment 🡪 Stock 🡪 Warehouse Stock

1. What is the transaction code to display a material’s inventory level? MB52🖉
2. You are in the “Display Warehouse Stock of Material” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | \*0## |
| Plant | DL## |
| Storage Location | \*## |

1. What is the code for your raw material storage location? RM33 🖉
2. What is the code for your semi-finished goods storage location? SF33 🖉
3. What is the code for your finished goods storage location? FG33 🖉
4. Click on  (EXECUTE).
5. What is the total United States dollar value of raw materials in your inventory? 0.00 🖉
6. How many of your gear assemblies are there in inventory? 0.00 🖉
7. What is the material code for your warranty document? 0.00 🖉

Exercise Deliverables:

In the System:

* None

On Paper:

* Answer(s) to Question(s)

Step 4: Display Requirements List

In this step, you look at the stock/requirements list for the touring aluminum wheel assembly.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Environment 🡪 Stock 🡪 Stock/Requirements List

1. What is the transaction code to display a stock/requirements list? MD04 🖉
2. You are in the “Stock/Requirements List: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Touring Aluminum Wheel Assembly |
| Plant | Your Dallas Plant |

1. Click on  (ENTER).
2. What is the material type of the wheel assembly? ROH--RAW MATERIALS 🖉
3. What is the code for the Trading Goods material type? HAWA 🖉
4. What is the code for the Raw Materials material type? ROH 🖉
5. What is the code for the Finished Product material type? FERT 🖉

Exercise Deliverables:

In the System:

* None

On Paper:

* Answer(s) to Question(s)

Step 5: Create Bills of Materials

In this step, you create a BOM for your wheel assembly and then create a BOM for your bike.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Production 🡪 Master Data 🡪 Bills of Material 🡪 Bill of Material 🡪 Material BOM 🡪 Create

1. What is the transaction code to create a bill of materials? CS01 🖉
2. What is the transaction code to display a bill of materials? CS03 🖉
3. What is the transaction code to change a bill of materials? CS02 🖉
4. You are in the “Create material BOM: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Touring Aluminum Wheel Assembly |
| Plant | Your Dallas Plant |
| Usage | Production |

1. Click on  (COPYFROM).
2. In the “Copy From…” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Original Touring Aluminum Wheel Assembly |
| Plant | Original Dallas Plant |

1. Click on  (CONTINUE (ENTER)).
2. You are in the “Create material BOM: Copy From” screen.

Click on the  “Select All” icon.

1. Click on  (COPY).
2. You are in the “Create material BOM: General Item Overview” screen.

Enter the following information:

|  |  |
| --- | --- |
| Item | Component |
| 0010 | Your Touring Tire |
| 0020 | Your Touring Tube |
| 0030 | Your Touring Aluminum Wheel |
| 0040 | Your Hex Nut 5 mm |
| 0050 | Your Lock Washer 5 mm |
| 0060 | Your Socket Head Bolt 5x20mm |

1. How many components make up the wheel assembly? 6 🖉
2. What is the material code for your touring tube? TRTB1033 🖉
3. What is the item category for all of the components? L--STOCK ITEM 🖉
4. How many lock washers are needed in a wheel assembly? 2 OF 5MM EACH 🖉
5. What is the item number for the hex nut? 0040 🖉
6. Click on  (SAVE).

You will receive a message that says “Creating BOM for material”.

1. You are in the “Create material BOM: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Deluxe Touring Bike (red) |

1. Click on  (COPYFROM).
2. In the “Copy From…” pop-up, enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Original Deluxe Touring Bike (red) |
| Plant | Original Dallas Plant |

1. Click on  (CONTINUE (ENTER)).
2. You are in the “Create material BOM: Copy From” screen

Click on the “Select All” icon.

1. Click on  (COPY).
2. You are in the “Create material BOM: General Item Overview” screen.

Enter the following information:

|  |  |
| --- | --- |
| Item | Component |
| 0010 | Your Touring Aluminum Wheel Assembly |
| 0020 | Your Touring Frame-Red |
| 0030 | Your Derailleur Gear Assembly |
| 0040 | Your Touring Seat Kit |
| 0050 | Your Touring Handle Bar |
| 0060 | Your Pedal Assembly |
| 0070 | Your Chain |
| 0080 | Your Brake Kit |
| 0090 | Your Warranty Document |
| 0100 | Your Packaging |

1. Click on  (SAVE).

You will receive a message that says “Creating BOM for material”.

Exercise Deliverables:

In the System:

* Semifinished Product Bill of Material Created
* Finished Product Bill of Materials Created

On Paper:

* Answer(s) to Question(s)

Step 6: Create Product Routings

In this step, you copy the product routings for your wheel assembly and your touring bike.

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Production 🡪 Master Data 🡪 Routings 🡪 Routings 🡪 Standard Routings 🡪 Create

1. What is the transaction code to create routings? CA01 🖉
2. What is the transaction code to change routings? CA02 🖉
3. What is the transaction code to display routings? CA03 🖉
4. In the “Create Routing: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Touring Aluminum Wheel Assembly |
| Plant | Your Dallas Plant |

1. Click on  (COPYFROM).
2. In the “Select Type” pop-up, click on the  icon.

* Ensure the “Routing” type is selected.

1. You are in the “Create Using Copy Function: Object to be Copied” pop-up.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Original Touring Aluminum Wheel Assembly |
| Plant | Original Dallas Plant |

1. Click on  (CONTINUE (ENTER)).
2. You are in the “Create Routing: Header Data Check” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Status | Released (general) |

1. Click on  (ENTER).

You will receive a message that says “Enter standard value Setup”.

1. You are in the “Create Routing: Operation – Check” screen.

Click on  (ENTER). You will receive a message that says “Activity type LABOR is not set up for cost center NA## NAPR10## in the current year”.

1. Click on  (ENTER). You will receive a message that says “Activity type LABOR is not set up for cost center NA## NAPR10## in the current year”.
2. Repeat the last three steps until you reach the overview of all operations.
3. In the “Create Routing: Operation Overview” screen click on the  icon. You will receive a message that says “Routing was saved with group”.
4. You are in the “Create Routing: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Your Deluxe Touring Bike (red) |

1. Clear out the “Group” field.
2. Click on  (COPYFROM).
3. In the “Select Type” pop-up, click on the  icon.
4. You are in the “Create Using Copy Function: Object to be Copied” pop-up.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Material | Original Deluxe Touring Bike (red) |
| Plant | Original Dallas Plant |

1. Click on  (CONTINUE (ENTER)).
2. In the “Create Routing: Header Data Check” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Status | Released (general) |

1. Click on  (ENTER).

You will receive a message that says “Enter standard value Setup”.

1. You are in the “Create Routing: Operation – Check” screen.

Click on  (ENTER). You will receive a message that says “Activity type LABOR is not set up for cost center NA## NAPR10## in the current year”.

1. Click on  (ENTER). You will receive a message that says “Activity type LABOR is not set up for cost center NA## NAPR10## in the current year”.
2. Repeat the last three steps until you reach the overview of all operations.
3. In the “Create Routing: Operation Overview” screen click on the  icon. You will receive a message that says “Routing was saved with group”.
4. In the “Create Routing: Initial Screen” screen, clear out the “Group” field.
5. What is the importance of routings?       🖉

Exercise Deliverables:

In the System:

* Semifinished Product Routing Created
* Finished Product Routing Created

On Paper:

* Answer(s) to Question(s)

Step 7: Create Initial Inventory Balance

Normally, the material planning process would create purchase requisitions for the necessary raw materials. You would then execute the procurement process and obtain these materials. For this exercise (and simplicity reasons), we will take a shortcut and create “inventory from heaven’.

Use the table below to calculate how many of the different materials are needed to make ten bikes. The first three columns include the material description, material number, and the quantity needed for one bike. Complete the remaining columns as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Number | Quantity for 1 Bike | Qty. Needed for 10 Bikes |
| Brake Kit | BRKT10## | 1 | 10 |
| Chain | CHAN10## | 1 | 10 |
| Derailleur Gear Assembly | DGAM10## | 1 | 10 |
| Hex Nut 5 mm | HXNT10## | 2 | 20 |
| Lock Washer 5 mm | LWSH10## | 4 | 40 |
| Packaging | PCKG10## | 1 | 10 |
| Pedal Assembly | PEDL10## | 1 | 10 |
| Socket Head Bolt 5x20mm | BOLT10## | 2 | 20 |
| Touring Aluminum Wheel | TRWH10## | 2 | 20 |
| Touring Frame-Red | TRFR30## | 1 | 10 |
| Touring Handle Bar | TRHB10## | 1 | 10 |
| Touring Seat Kit | TRSK10## | 1 | 10 |
| Touring Tire | TRTR10## | 2 | 20 |
| Touring Tube | TRTB10## | 2 | 20 |
| Warranty Document | WDOC10## | 1 | 10 |

1. In the “SAP Easy Access” screen, follow the navigation path below:

Navigation

Logistics 🡪 Materials Management 🡪 Inventory Management 🡪 Goods Movement 🡪 Goods Receipt 🡪 Other

1. What is the transaction code to create inventory from heaven? MB1C 🖉
2. You are in the “Enter Other Goods Receipt: Initial Screen” screen.

Enter the following information:

|  |  |
| --- | --- |
| Field Name | Data Entry |
| Movement Type | Receipt per initial entry of stock balances into unr.-use |
| Plant | Your Dallas Plant |
| Storage Location | Your Raw Materials |

1. Click on  (ENTER).
2. You are in the “Enter Other Goods Receipt: New Items” screen.

Enter the following information:

|  |  |
| --- | --- |
| Material | Quantity |
| Your Brake Kit | Necessary Quantity |
| Your Chain | Necessary Quantity |
| Your Derailleur Gear Assembly | Necessary Quantity |
| Your Hex Nut 5 mm | Necessary Quantity |
| Your Lock Washer 5 mm | Necessary Quantity |
| Your Packaging | Necessary Quantity |
| Your Pedal Assembly | Necessary Quantity |
| Your Socket Head Bolt 5x20mm | Necessary Quantity |
| Your Touring Aluminum Wheel | Necessary Quantity |
| Your Touring Frame-Red | Necessary Quantity |
| Your Touring Handle Bar | Necessary Quantity |
| Your Touring Seat Kit | Necessary Quantity |
| Your Touring Tire | Necessary Quantity |
| Your Touring Tube | Necessary Quantity |
| Your Warranty Document | Necessary Quantity |

* If there are no more spaces for items, go to “Edit” (at the top), then click “New Items.”

1. Click on  (SAVE).

You will receive a message that says “Document posted”.

* Refer to a previous step for instructions on how to view material inventory.

1. How many of your touring frames-red are in inventory after the movement? 20 🖉
2. What is the total United States dollar value of touring frames-red in inventory? 4000.00 🖉

Exercise Deliverables:

In the System:

* Initial Inventory Balance Created

On Paper:

* Answer(s) to Question(s)
* Table(s) Filled Out

Attachment 1: Exercise Worksheet

**Name:** POKURI CHAITANYA SWAROOP

**Course and Section:** OMIS 643

**Identifier:** GBI-033

**Client:** 725

1. What is the transaction code to create a general material immediately? MM01🖉
2. What is transaction code to change a material immediately? MM02🖉
3. What is the transaction code to display a current material? MM03🖉
4. What is the transaction code to display a material’s inventory level? MMBE🖉
5. How many touring frames-red are in unrestricted use? 0🖉
6. How many touring frames-red are in reserved stock? 0🖉
7. How many touring frames-red are in on-order stock? 0🖉
8. What is the transaction code to display a material’s inventory level? MB52🖉
9. What is the code for your raw material storage location? RM33🖉
10. What is the code for your semi-finished goods storage location? SF33🖉
11. What is the code for your finished goods storage location? FG33🖉
12. What is the total United States dollar value of raw materials in your inventory? 0.00🖉
13. How many of your gear assemblies are there in inventory? 0.00🖉
14. What is the material code for your warranty document? 0.00🖉
15. What is the transaction code to display a stock/requirements list? MD04🖉
16. What is the material type of the wheel assembly? ROH--RAW MATERIALS🖉
17. What is the code for the Trading Goods material type? HAWA🖉
18. What is the code for the Raw materials material type? ROH🖉
19. What is the code for the Finished Product material type? FERT🖉
20. What is transaction code to create a bill of materials? CS01🖉
21. What is the transaction code to display a bill of materials? CS03🖉
22. What is the transaction code to change a bill of materials? CS02🖉
23. How many components make up the wheel assembly? 6🖉
24. What is the material code for your touring tube? TRTB1033🖉
25. What is the item category for all of the components? L--STOCK ITEM🖉
26. How many lock washers are needed in a wheel assembly? 2 OF 5MM EACH🖉
27. What is the item number for the hex nut? 0040🖉
28. What is the transaction code to create routings? CA01🖉
29. What is the transaction code to change routings? CA02🖉
30. What is the transaction code to display routings? CA03🖉
31. What is the importance of routings? 🖉
32. What is the transaction code to create inventory from heaven? MB1C🖉
33. How many of your touring frames-red are in inventory after the movement? 10,20🖉
34. Hat is the total United States dollar value of touring frames-red in inventory? 4000.00🖉

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | Number | Your Number | Type | Your S.L. |
| Brake Kit | BRKT1000 | BKRT1033 | Raw | RM33 |
| Chain | CHAN1000 | CHAN1033 | Raw | RM33 |
| Derailleur Gear Assembly | DGAM1000 | DGAM1033 | Raw | RM33 |
| Hex Nut 5 mm | HXNT1000 | HXNT1033 | Raw | RM33 |
| Lock Washer 5 mm | LWSH1000 | ;LWSH1033 | Raw | RM33 |
| Packaging | PCKG1000 | PCKG1033 | Raw | RM33 |
| Pedal Assembly | PEDL1000 | PEDL1033 | Raw | RM33 |
| Socket Head Bolt 5x20mm | BOLT1000 | BOLT1033 | Raw | RM33 |
| Touring Aluminum Wheel | TRWH1000 | TRWH1033 | Raw | RM33 |
| Touring Frame-Red | TRFR3000 | TRHB1033 | Raw | RM33 |
| Touring Handle Bar | TRHB1000 | TRSK1033 | Raw | RM33 |
| Touring Seat Kit | TRSK1000 | TRSK1033 | Raw | RM33 |
| Touring Tire | TRTR1000 | TRTR1033 | Raw | RM33 |
| Touring Tube | TRTB1000 | TRTB1033 | Raw | RM33 |
| Warranty Document | WDOC1000 | WDOC1033 | Raw | RM33 |
| Touring Aluminum Wheel Assembly | TRWA1000 | TRWA1033 | Semi. | SF33 |
| Deluxe Touring Bike (red) | DXTR3000 | DXTR1033 | Fin. | FG33 |

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Number | Quantity for 1 Bike | Qty. Needed for 10 Bikes |
| Brake Kit | BRKT10## | 1 | 10 |
| Chain | CHAN10## | 1 | 10 |
| Derailleur Gear Assembly | DGAM10## | 1 | 10 |
| Hex Nut 5 mm | HXNT10## | 2 | 20 |
| Lock Washer 5 mm | LWSH10## | 4 | 40 |
| Packaging | PCKG10## | 1 | 10 |
| Pedal Assembly | PEDL10## | 1 | 10 |
| Socket Head Bolt 5x20mm | BOLT10## | 2 | 20 |
| Touring Aluminum Wheel | TRWH10## | 2 | 20 |
| Touring Frame-Red | TRFR30## | 1 | 10 |
| Touring Handle Bar | TRHB10## | 1 | 10 |
| Touring Seat Kit | TRSK10## | 1 | 10 |
| Touring Tire | TRTR10## | 2 | 20 |
| Touring Tube | TRTB10## | 2 | 20 |
| Warranty Document | WDOC10## | 1 | 10 |