

## Capacity check methods

Indicator	Description
	No capacity check
1	Check according to maximum weight
2	Check based on palletization accord .to SUT 1
3	Check based on maximum quantity per bin in storage type
4	Usage check based on material
5	Usage check based on SUT
6	Usage check based on material plus SUT

Indicator	Description
3	Check based on maximum quantity per bin in storage type

- Set the capacity check indicator in storage type.  
 SPRO → LE → WM → Master Data → Define storage type  
 Select the putaway strategy "F" and select the capacity check method "3".

**Change View "Storage type definition": Details**

Whse number: RBN Ruby new warehouse  SU mgmt active  
 Storage type: ST2 Storage type two  Stor.type is ID pnt  
 Stor.type is pck pnt

**Stock placement control**

Putaway strategy: **F**  
 Stock plcmnt requires confirmation  
 Capacity check method: **3**  Act.capac.  
 SUT check active  
 Dst bin ch. during confirm: 1  Storage sec. check active  
 Mixed storage: X  
 Addn to stock: X  
 Retain overdeliveries  
 Mail control:  Block upon stock plcmnt:   
 User exit act.:  Assigned ID point stor. type:

**Stock removal control**

Stock removal strategy: **F**  
 Stock rml requires confirmation  
 Allow negative stock  
 Full stk rml reqmt act.  
 Return stock to same storage bin  
 Propose post. change at storage bin  
 Block upon stock rml:   
 Assigned pick point stor. ty.:   
 Return storage type:

2. Enter the maximum qty and fixed storage bin in MM WM 2 view.

Material N 599-599 Batch material  
 Plant RUBY Ruby plant  
 Whse No. RBN Ruby new warehouse  
 Stge Type ST2 Storage type two

Palletization data

LE quantity	Un	SUT
1.		
2.		
3.		

Storage bin stock

Storage Bin	CAPACITY	Picking Area	
Maximum bin quantity	500	Control quantity	
Minimum bin quantity		Replenishment qty	
Rounding qty			

3. Create PO with qty 700 and putaway in the fixed bin "CAPACITY".

Certificate No.  Plant/Stor.loc. RUBY 1000  
 Confirm  Batch 0000000962  
 Printer  Stock Category   
 GR Date 13.09.2017 Special Stock   
 TO item 1

Movement data

Typ	Sec	Stor. Bin	Target quantity	AUn
<b>From</b>				
902	001	4500020556	700	EA
		Quant	145	
<b>Destinat.</b>				
ST2	SS1	CAPACITY	700	EA
		Quant	146	
<b>Backsp.</b>				
			0	EA
		Quant		

Goods recipient  Weight 0,000

! Maximum quantity for storage bin CAPACITY will be exceeded by 200,000 EA

Indicator	Description
1	Check according to maximum weight

1. Set the capacity check indicator in storage type.

SPRO → LE → WM → Master Data → Define storage type

Select the putaway strategy "F" and select the capacity check method "1".

**Change View "Storage type definition": Details**

Whse number: RBN Ruby new warehouse  
Storage type: ST2 Storage type two

SU mgmt active  
 Stor.type is ID pnt  
 Stor.type is pck pnt

**Stock placement control**

Putaway strategy: F  
 Stock plcmt requires confirmation  
Dst bin ch. during confirm: 1  
Mixed storage: X  
Addn to stock: X  
 Retain overdeliveries  
Mail control:

Capacity check method: 1  Act.capac.  
 SUT check active  
 Storage sec. check active  
Block upon stock plcmt:   
Assigned ID point stor. type:   
 User exit act.

**Stock removal control**

Stck removal strategy: F  
 Stock rml requires confirmation  
 Allow negative stock  
 Full stk rml reqmt act.  
 Return stock to same storage bin  
 Propose post. change at storage bin  
Block upon stock rml:   
Assigned pick point stor. ty.:   
Return storage type:

2. Enter the maximum weight in storage bin (LS02N)

**Change Storage Bin**

Warehouse No.: RBN  
Storage Type: ST2 Storage type two  
Storage Bin: CAPACITY

Storage Section: SS1 ST2 Storage section  
Verif.fld:

Picking Area:   
Fire-cont.sect.:   
Stor. bin type:

Sort fld plcmnt:   
Sort fld pick.:

Maximum Weight: 600,000 KG  
Occupied weight: 0,000  
Total capacity:   
Cap.used: 0,000  
Utilization:  0,00  
No. of quants: 0  
No.stor.units: 0,000

**Status**

Putaway block  
 Stock Removal Block  
Blk reason:

3. Create PO with 700 qty (4900 kg). Gross weight per material is 7 (Which we maintained in material master). Total capacity of the storage bin is 600.

System is throwing error while doing putaway.

The screenshot shows the SAP Putaway Confirmation screen. At the top, there are fields for Confirm (checkboxes), Printer, GR Date (14.09.2017), Batch (000000963), Stock Category, Special Stock, and TO item (1). Below this is the 'Movement data' section with three sub-sections: 'From', 'Destinat.', and 'Backsp.'. The 'From' section shows Typ 902, Sec 001, Stor. Bin 4500020559, Target quantity 700, and AUn EA, with a Quant of 148. The 'Destinat.' section shows ST2, SS1, CAPACITY, Target quantity 700, and AUn EA, with a Quant of 152. The 'Backsp.' section has empty fields and a Quant of 0. At the bottom, there are fields for Goods recipient and Weight (0,000). A red error message at the bottom left states: 'Maximum load capacity of storage bin CAPACITY exceeded by 4.300,000 KG'. The SAP logo is visible in the bottom right corner.

Indicator	Description
4	Usage check based on material

1. Set the capacity check indicator in storage type.

SPRO → LE → WM → Master Data → Define storage type

Select the putaway strategy "F" and select the capacity check method "4".

Change View "Storage type definition": Details

Whse number: RBN Ruby new warehouse  
 Storage type: ST2 Storage type two

SU mgmt active  
 Stor.type is ID pnt  
 Stor.type is pck pnt

**Stock placement control**

Putaway strategy: F  
 Stock plcmt requires confirmation  
 Dst bin ch. during confirm: 1  
 Mixed storage: X  
 Addn to stock: X  
 Retain overdeliveries  
 Mail control:

Capacity check method: 4  Act.capac.  
 SUT check active  
 Storage sec. check active  
 Block upon stock plcmt:   
 Assigned ID point stor. type:   
 User exit act.

**Stock removal control**

Stck removal strategy: F  
 Stock rml requires confirmation  
 Allow negative stock  
 Full stk rml reqmt act.  
 Return stock to same storage bin  
 Execute zero stock check

Propose post. change at storage bin  
 Block upon stock rml:   
 Assigned pick point stor. ty.:   
 Return storage type:   
 User exit active

2. Enter the total capacity in storage bin. (LS02N)

Storage bin Edit Goto System Help

Change Storage Bin

Warehouse No.: RBN  
 Storage Type: ST2 Storage type two  
 Storage Bin: CAPACITY

Storage Section: SS1 ST2 Storage section  
 Picking Area:   
 Fire-cont.sect.:   
 Stor. bin type:

Maximum Weight: 600,000 KG  
 Total capacity: 500,000  
 Utilization: [0,00]

Verif.fid:   
 Sort fld plcmnt:   
 Sort fld pick.:   
 Occupied weight: 0,000  
 Cap.used: 0,000  
 No. of quants: 0  
 No.stor.units: 0,000

Status  
 Putaway block  
 Stock Removal Block  
 Blk reason:

3. Enter the control usage "1" material master warehouse management 1 view.

**Change Material 599-599 (Finished product NSTL Co)**

Additional Data | Org. Levels | Check Screen Data

Plant data / stor. 2 | Warehouse Mgmt 1 | Warehouse Mgmt 2 | Acc...

Material N: 599-599 | Batch material: | Plant: RUBY | Ruby plant | Whse No.: RBN | Ruby new warehouse

**General data**

Base Unit of Measure	EA	Haz. material number	
WM unit		Gross Weight	7 KG
Unit of issue		Volume	10 L
Proposed UoM frm mat		<b>Capacity usage</b>	<b>1,000</b> /
Picking storage type		<input type="checkbox"/> Appr. batch rec. req.	
<input checked="" type="checkbox"/> Batch management			

**Storage strategies**

Stock removal	ST1	Stock placement	ST1
Storage Section Ind.		Bulk storage	<input type="checkbox"/>
Special movement		<input type="checkbox"/> Message to IM	
<input type="checkbox"/> Stop picking		<input type="checkbox"/> Allow add to stock	

4. PO has been created for 600 qty. While creating TO system is throwing error for capacity exceeded.

Stor. Unit Type | Material N: 599-599 | Certificate No. | Plant/Stor.loc.: RUBY | 1000 | Confirm:  | Batch: 000000964 | Printer: | Stock Category: | GR Date: 14.09.2017 | Special Stock: | TO item: 1

**Movement data**

Typ	Sec	Stor. Bin	Target quantity	UoM
<b>From</b>				
902	001	4500020560	600	EA
Quant		158		
<b>Destinat.</b>				
ST2	SS1	CAPACITY	600	EA
Quant		161		
<b>Backsp.</b>				
			0	EA
Quant				

Goods recipient: | Weight: 0,000

**Maximum quantity for storage bin CAPACITY will be exceeded by 100,000 EA**

Tips

This control usage no and maximum capacity in storage bin controls the maximum qty.  
If the storage bin qty is 500 and the control usage is 10 then the maximum qty per storage bin is 50.

$$\text{Usage check based on material} = \frac{\text{Maximum capacity in storage bin}}{\text{Control usage}}$$