

## 6.4 Color Bar Definition File CBF

The CBF file serves as a color bar definition and can be edited with a standard text editor such as the windows Notepad.

### 6.4.1 Color Bar Name

Set the color bar name here.

**Note**

File and color bar name should be the same.

```

TCS_325_C4_6mm - Notepad
File Edit Format View Help
%%Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
Highlight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
HighLight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
    
```

### 6.4.2 Patch Width

Set the width in mm for a single patch here.

```

TCS_325_C4_6mm - Notepad
File Edit Format View Help
%%Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
Highlight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
HighLight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
    
```

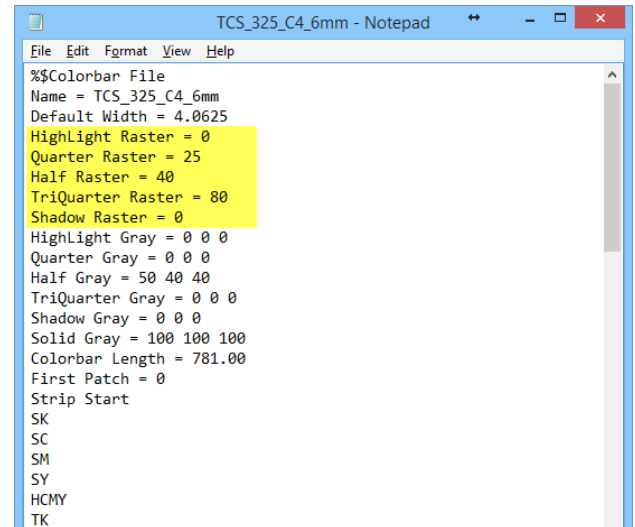
### 6.4.3 Tone Value Patch Definition

Define here the TVI patch value for:

- High Light-Tone
- Quarter-Tone
- Half-Tone
- Three Quarter-Tone
- Shadow-Tone

#### Note

If less than five TVI patches are used, set the not used one/s to 0.

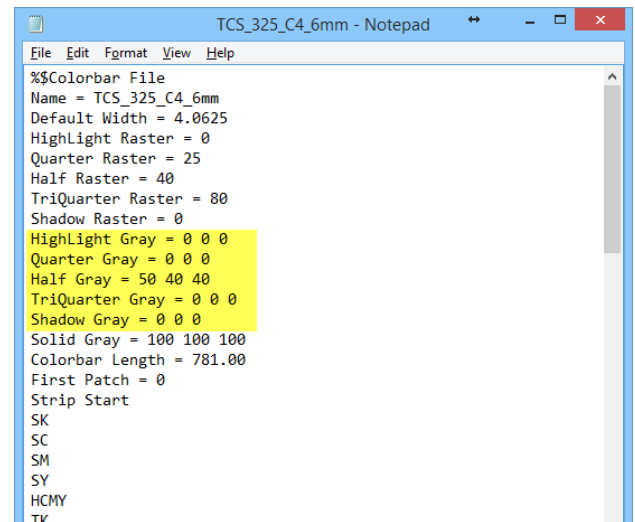


```
TCS_325_C4_6mm - Notepad
File Edit Format View Help
%$Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
Highlight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
Highlight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
```

### 6.4.4 Dot Gain Patch Definition

Define the grey patches here.

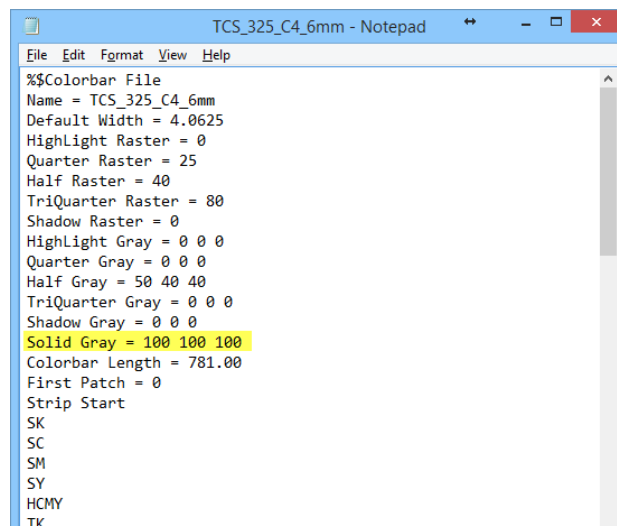
- High Light-Grey
- Quarter-Grey
- Half-Grey
- Three Quarter-Grey
- Shadow-Grey



```
TCS_325_C4_6mm - Notepad
File Edit Format View Help
%$Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
Highlight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
Highlight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
```

### 6.4.5 Solid Gray

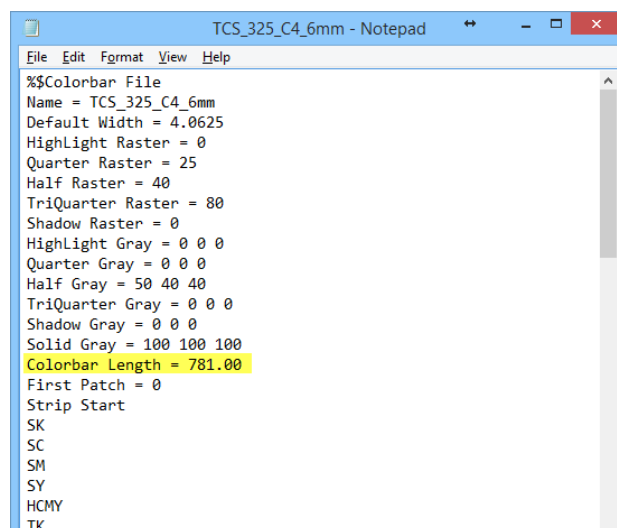
Define the solid grey patche here.



```
TCS_325_C4_6mm - Notepad
File Edit Format View Help
%%Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
HighLight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
HighLight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
```

### 6.4.6 Color bar Length

Set the color bar length here

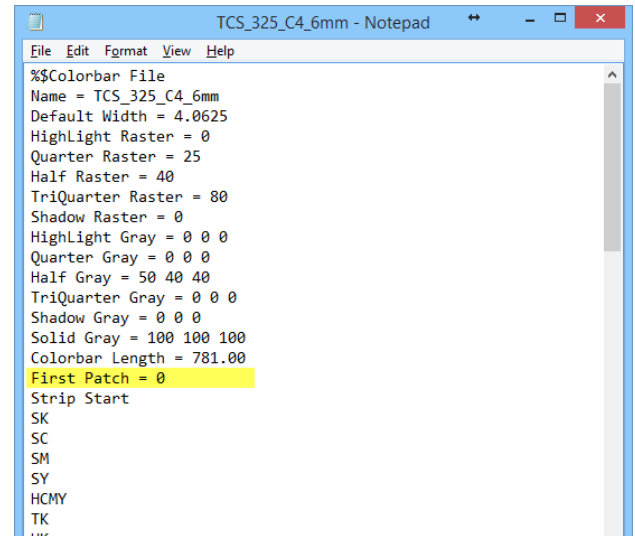


```
TCS_325_C4_6mm - Notepad
File Edit Format View Help
%%Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
HighLight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
HighLight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
```

### 6.4.7 First Patch on Sheet

On the printed sheet, the color bar starting patch.

Note: start counting with zero (=1<sup>st</sup> patch).

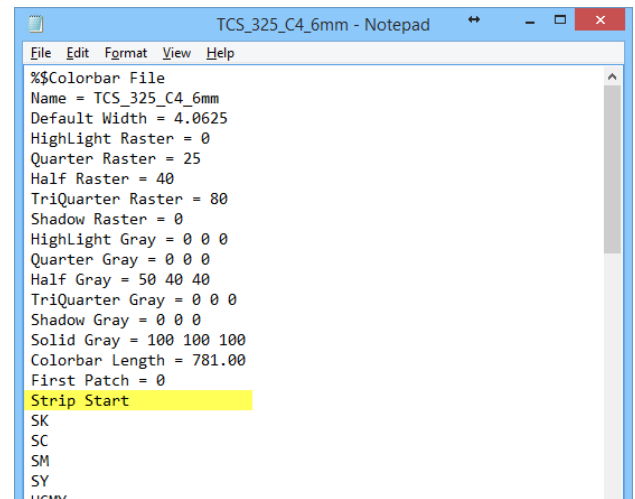


```

TCS_325_C4_6mm - Notepad
File Edit Format View Help
%%Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
Highlight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
Highlight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
...
  
```

### 6.4.8 Start, End Tag

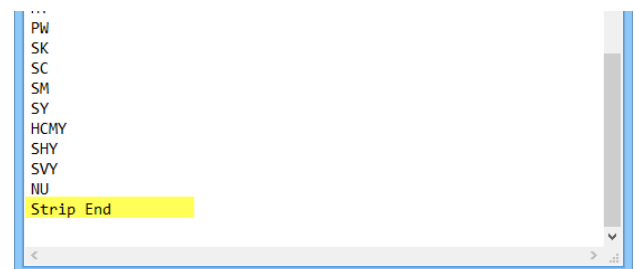
Start color bar definition tag



```

TCS_325_C4_6mm - Notepad
File Edit Format View Help
%%Colorbar File
Name = TCS_325_C4_6mm
Default Width = 4.0625
Highlight Raster = 0
Quarter Raster = 25
Half Raster = 40
TriQuarter Raster = 80
Shadow Raster = 0
Highlight Gray = 0 0 0
Quarter Gray = 0 0 0
Half Gray = 50 40 40
TriQuarter Gray = 0 0 0
Shadow Gray = 0 0 0
Solid Gray = 100 100 100
Colorbar Length = 781.00
First Patch = 0
Strip Start
SK
SC
SM
SY
HCMY
TK
...
  
```

End color bar definition tag



```

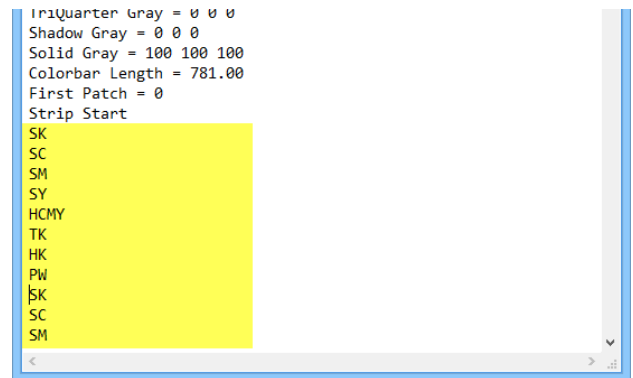
...
PW
SK
SC
SM
SY
HCMY
SHY
SVY
NU
Strip End
  
```

### 6.4.9 Color bar Patch Sequence

Between the start and end tag, define the color bar patch sequence.

**Note**

When the color bar has a repeating patch sequence, define only one sequence.



## 6.5 Patch Definition

### 6.5.1 Solid Patches

Solid patches start with S, followed by the color:

- SK Solid Black
- SC Solid Cyan
- SM Solid Magenta
- SY Solid Yellow
- S1 Solid Spot Nr.1
- Sx Solid Spot Nr.x

### 6.5.2 Red, Blue, Green Patches

The overprint patches start with S, followed by the two overprint colors:

- SMY Overprint Magenta, Yellow = RED
- SCY Overprint Cyan, Yellow = GREEN
- SCM Overprint Cyan, Magenta = BLUE

### 6.5.3 Dot Gain Patches

The dot gain patches start with the dot gain patch type and ending with the printed color.

Lx	Light -Tone
Qx	Quarter-Tone
Hx	Half-Tone
Tx	Three Quarter-Tone
Dx	Shadow-Tone

Where x is K, C, M, Y, 1 (first spot color), 2 (second spot color)...

### 6.5.4 Paper White Patch

The paper white patch is set like:

PW

### 6.5.5 Not Used Patch

An empty patch or a patch which should be ignored, is set like

NU

### 6.5.6 Grey Patches

The grey patches start with the patch type and ending CMY:

LCMY	Light - Grey
QCMY	Quarter- Grey
HCMY	Half-Grey
TCMY	Three Quarter- Grey
DCMY	Shadow-Grey

## 6.5.7 Slur Patches

The slur patches start with the slur type and end with the printed color:

SHx	Slur horizontal
SVx	Slur vertical

Where x is K, C, M or Y.