



**QM-C-7.1/MISC/0005**  
**Inspection Plan(Check Sheet)**

**Item:** Equaliser beams, Compensating beams and Links of locomotive high adhesion bogie(i.e.HA) & Equaliser beams(Long & Short) of locomotive Trimount Bogies (i.e. Tri)

**Specn. :** MP.0.4900.11, Rev.01 of Jan'2010

**Amd.:**

**Drg. No. & Alt.:** SKVL-181, SKVL-293 & 53.07.02 / SKVL-178

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1. Firm's Name :
2. Date (period) of Inspection:
3. Contract Details :
  - a. Contract no. and date.
  - b. Order placing authority.
  - c. Specification no.  
(as mentioned in contract)
  - d. Drawing no.  
(as mentioned in contract)
4. Quantity on order
5. Quantity earlier passed
6. Quantity offered for inspection on date
7. Consignee
8. Delivery period

Signature of firms Representative

RDSO Representative



Component : LINK (modified) FOR WDG3A LOCOMOTIVES

DIMENSION CHECK SHEET

Sl. No.	Parameters	Specified (mm)	D1	D2	D3	D4	D5
01	Total Length	450					
02	Distance between 75 dia Hole	300					
03	Hole dia-2 Nos	75 dia +0.05 +0.05					
04	Link Thickness	32+1 -1					
05	Profile of Link	To check with calibrated template					
06	Emboss as mentioned in drg.	MOD-1 SL.NO.	Mod-1	Mod-1	Mod-1	Mod-1	Mod-1
07	Surface finish inside the holes	As per RDSO Drg. No. SKVL-181					
08	Identification Mark	Note No. 7 of SKVL-181					

Signature of firms Representative

RDSO Representative



**Component : EQUALISER BEAM (Modified)**

**DIMENSION CHECK SHEET**

Sl. No.	Parameters	Specified (mm)	D1	D2	D3	D4
01	Total Length	1570				
02	Location centerline of 3 Nos 26 dia hole from centerline of 85 dia hole.	345, 595, 805				
03	Hole centre from top of Equaliser for 26 dia hole	50,50,40				
04	Location of 85 dia and 75 dia hole	1410 CRS				
05	Width of Equaliser Beam	162				
06	Hole dia – 1 No.	85 + 0.06 + 0.06				
07	Hole dia – 1 No.	85 + 0.05 + 0.00				
08	Thickness	80 ± 2				
09	Slot at 75 dia holes end	38 width x 185 long				
10	Depth of Slot	As per gauge				
11	Profile of Equaliser Beam	To check with calibrated template				
12	Rounded off as per drg.	3 R on 635 mm length				
13	Emboss as mentioned in the drg	Mod-1	Mod-1	Mod-1	Mod-1	
14	Manufacture Identification Mark	6mm Steel-Stamp				
15	Year & months and Serial No. 6mm steel stamp	Note No. 7 of SKVL – 181				
16	Surface finish inside the holes	As per RDSO Drg. No. SKVL-181				

Signature of firms Representative

RDSO Representative



DIMENSION CHECK SHEET

A : EQUALISER BEAM LONG

Sl. No.	Parameters	Specified (mm)	D1	D2	D3	D4	D5
01	Length	2178 ± 3					
02	Location of 38mm Hole from small end and flat face under big end respectively	2102 ± 3& 216 +2-0					
03	Location of 38mm hole from base of hard facing	42					
04	Hole Dia	38 + 0.025 + 0.00					
05	Length of Hard Facing area	170 big end 90 small end					
06	Thickness of Hard Facing	6mm					
07	Height of neck at Big end	160					
08	Height of neck at Small end	120					
09	Location of 74 mm dia hole	768 from big end 89+ 0.5 from top edge -0.0					
10	Hole dia	74 + 0.05 + 0.00					
11	Location of 28mm dia drill	1124 from big end 98 from top edge					
12	Thickness of Beam	31.75 32.75					
13	Distortion in flatness	1mm max.					
14	Profile	To check with calibrated template					
15	Distance of hard facing at both ends from upper edge of beam	197					
16	Identification Mark	Note No. 9 of SKVL- 178					
17	Surface finish inside the holes	As per RDSO Drg. No. SKVL-178					

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RDSO Representative



DIMENSION CHECK SHEET

**B: EQUALISER BEAM SHORT**

Sl. No.	Parameters	Specified (mm)	D1	D2	D3	D4
01	Length	1772 ± 3				
02	Location of 38mm Hole from small end and flat face under big end respectively	1696 ± 3 & 216 +2-0				
03	Location of 38mm hole from base of hard facing	42				
04	Hole Dia	38 + 0.025 + 0.00				
05	Length of Hard Facing area	170 big end 90 small end				
06	Thickness of Hard Facing	6mm				
07	Height of neck at Big end	160				
08	Height of neck at Small end	120				
09	Location of 74 mm dia hole	628 from big end 89+ 0.5 from top edge -0.0				
10	Hole dia	74 + 0.05 + 0.00				
11	Location of 28mm dia drill	984 from big end 98 from top edge				
12	Thickness of Beam	31.75 32.75				
13	Distortion in flatness	1mm max.				
14	Profile	To check with calibrated template				
15	Distance of hard facing at both ends from upper edge of beam	197mm				
16	Identification Mark	Note No. 9 of SKVL-178				
17	Surface finish inside the holes	As per RDSO Drg. No. SKVL-178				

Signature of firms Representative

RDSO Representative



Sl. No.	Parameters	Specified (mm)	D1	D2	D3	D4	D5	D6
01	Bush inner dia	63.00 63.19						
02	Bush outer dia	74 + 0.132 + 0.102						
03	Collar size	80 x 3						
04	Length	35						
05	Bush outer dia	38.0 + 0.15 + 0.10						
06	Bush inner dia	32.0 + 0.04 + 0.00						
07	Length	32mm						
08	Pin dia	32 – 0.120 -- 0.180						
09	Pin Lengt	73 + 0 - 0						
10	Chamber	1.5x45 <sup>0</sup>						
11	Surface finish inside the holes	As per RDSO Drg. No. SKVL-178						

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**Component : Compensating Beam**  
**Mfg.SL.No.**

**DIMENSION CHECK SHEET**

<b>Parameters / Specified (mm)</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>D4</b>	<b>D5</b>
Total Length 1170					
CRS-75 dia hole to 75 dia hole 1020mm	Check with calibrated zig fixture and found OK/ Not OK				
Distance between centerline of each 75 dia hole & centerline of 85 dia hole 510mm	Check with calibrated zig fixture and found OK / Not OK				
Height between centerline of 85 dia hole and 75 dia hole 310mm	Check with calibrated zig fixture and found OK/ Not OK				
Hole dia – 1 No. 85mm + 0.06 + 0.00	Check with calibrated By Calibrated Go/ No Go Gauges and found OK/ Not OK				
Hole dia – 1 No. 75mm + 0.05 + 0.00	Check with calibrated By Calibrated Go/ No Go Gauges and found OK/ Not OK				
Thickness 80mm + 2					
Slot at 75 dia holes end 38mm width x 195mm long					
Depth of Slot / As per gauge	As per gauge and found OK/ Not OK K				
Profile of Compensating Beam to check with calibrated template					
Emboss as mentioned in the Drg. Mod-1	SKVL - 180 & 181	SKVL - 180 & 181	SKVL - 180 & 181	SKVL - 180 & 181	SKVL - 180 & 181
Mfg. SL.No.					
Identification Mark-Note No. 7 of SKVL 181					
Surface finish inside the holes As per RDSO Drg. No. SKVL – 181					

Signature of firms Representative

RDSO Representative