

瑞铁股份孟加拉行李车项目 FBO 制动管接头使用情况

瑞铁股份在 2020 年承接了孟加拉国铁道部两种轨距共计 125 辆铁路行李车项目，该项目空气制动管路连接中采用了 FBO 品牌-Vebeo 管接头，接头形式有直通、三通、弯头、变径等接头类型：

2022 年底 FBO 品牌-Vebeo 管接头开始在米轨行李车样车中装车，于 2023 年 4 月完成样车制动试验，通过克诺尔的制动泄露试验，空气制动系统管路连接中采用的各类型 FBO 品牌-Vebeo 管接头满足克诺尔的制动试验要求：

特此说明！

随附克诺尔关于制动泄露的试验报告

综上所述，瑞铁对 FBO 品牌-Vebeo 接头的稳定性和安全性表示认可。

江苏瑞铁轨道装备股份有限公司 品质保障中心

Jiangsu Railteco Equipment Co., Ltd, QC Dept

2023 年 5 月 23 日

23th, May, 2023



2023.5.23



Translation from Chinese Language into English language:

**Usage Clarification for FBO – Vebeo Fittings applied on
Bangladesh Luggage Car Project by Railteco.**

In 2020, Railteco undertook the project of 125 railway luggage cars with two kinds of gauge of Bangladesh Railway. In this project, the air brake pipeline connection adopts FBO brand -Vebeo pipe joint. The joint forms include straight, tee, elbow, variable diameter and other joint types.

By the end of 2022, the FBO-Vebeo tube joints began to be installed in the sample car of the meter rail luggage car, and the brake tests of the sample car was completed in April 2023. Through the brake leakage test of Knorr, all types of FBO-Vebeo tube joints used in the pipeline connection of the air brake system met the brake test requirements of Knorr.

Hereby state!

Knorr's test report on brake leakage is attached.

To sum up, Railteco recognizes the stability and safety of the FBO brand -Vebeo connector.

Jiangsu Railteco Equipment Co., Ltd, QC Dept

23th, May, 2023



T



KNORR-BREMSE

Railbico 75 MG Luggage Van Freight wagon / all other van
Test Specification / Test Protocol (static) Doc. No. TA43000719
Version: 02.00-en

No.	Function tests and measurements	Pos. No.	Mounting point/ Test point	Unit	Set value	Actual value	Test OK
-----	---------------------------------	----------	----------------------------	------	-----------	--------------	---------

14.2 Leakage

14.2.1	<ul style="list-style-type: none">- Set change over device ON-OFF to position OFF- Install a test fitting and a pressure gauge at one BP brake coupling- Feed-in a BP pressure of 5,0 ^{+0,05} bar by using a brake test equipment via a brake coupling and a open BP angle cock- Deactivate the feed-in after 5 minutes waiting time and close the BP angle cock⇒ Measure the BP pressure at the brake coupling⇒ Measure BP decrease after 5 minutes	B01.01	-	bar	BP = 5,0 ^{+0,05}	5,04	OK
				bar	$\Delta BP \leq 0,2$	0,03	OK
14.2.2	<ul style="list-style-type: none">- Set change over device ON-OFF to position ON- Deactivate the BP feed-in and close the angle cock- Emergency application, wait 1 minute⇒ Measure MR pressure at the MR reservoir⇒ Measure MR decrease after 5 minutes	B01.01	B03.01	bar	-	4,25	OK
				bar	$\Delta MR \leq 0,15$	0,027	OK

15 Distributer valve KE

Hint: For the commissioning of the distributor valve KE and the appendant components it is required to use a test-equipment (e.g. PDR4 or PDR5) to pilot the BP pressure and to feed-in of the load pressure. This test equipment must lower the BP pressure within 3 sec. from 5,0 ^{+0,05} bar to 3,2 bar, as well as provide a regulated BP pressure of 3,0 to 5,2 bar.



KNORR-BREMSE

Rail loco T5 MG Luggage Van Freight wagon / all other van
Test Specification / Test Protocol (static) Doc. No.: TAA9000719
Version: 02.00-en

No.	Function tests and measurements	Pos. No.	Mounting point/ Test point	Unit	Set value	Actual value	Test OK
13.3.1	Check the change over device to position P ⇨ Handle of change over device has to snap in at P	B01	B01	-	P	P	OK

14 Fill up time and leakage

14.1 Fill up time

14.1.1	- Close all BP angle cocks - Set change over device ON-OFF to position OFF - Open only one BP angle cock ⇨ Feed-in a BP pressure of 5,0 ^{+0,2} bar by using a brake test equipment via a brake coupling and a open BP angle cock ⇨ Measure the MR pressure (Therefore install a test fitting in the MR reservoir)	B11 B01.01 B11 B15	B03.01	bar	BP = 5,0 ^{+0,2} MR ≤ 0,05	5:00 0	OK OK
14.1.2	Set change over device ON-OFF to position ON ⇨ Measure the fill up time of the MFR reservoir from 0 bar to 4,8bar	B01.01	B03.01	min	-	6:34"	OK

