



Technical Report No.: 120498 – 20 – TAC
 Regulation: ECE No. 55.01
 Manufacturer: GKR STEEL s.r.o.
 Type: ORYX - VWA17

1/4

UN/ECE Technical Service No. E8/C and E27/J

**TECHNICAL REPORT
 No. 120498 – 20 – TAC**

Test according to Regulation ECE No. 55.01

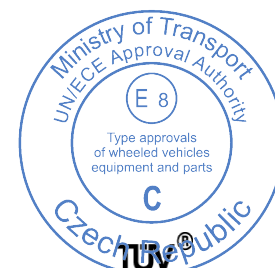
**Uniform provisions concerning the approval of mechanical coupling components
 of combinations of vehicles**

ECE No. 55.00 – date of entry into force: 1983-03-01
 including all amendments up to and including:
 ECE No. 55.01, supplement 07 – date of entry into force: 2018-02-10

Objectives: Document for issue of approval certificate

I. Technical data

- | | | |
|--------|------------------------------------|--|
| 0.1. | Make (trade name of manufacturer): | GKR |
| 0.2. | Type: | ORYX - VWA17 |
| 0.2.1. | Characteristic values: | D= 12,65 kN
U= 0,8 t |
| 0.3. | Means of identification of type: | Manufacturer's label |
| 0.3.1. | Location of that marking: | On the left side of device |
| 0.4. | Class of coupling device: | F |
| 0.5. | Name and address of manufacturer: | GKR STEEL s.r.o.
Kratochvílova 2659,
413 01 Roudnice nad Labem
Czech Republic |
| 0.8. | Address of assembly plant: | GKR STEEL s.r.o.
Kratochvílova 2659,
413 01 Roudnice nad Labem
Czech Republic |
| 0.9. | Location of the approval mark: | On the manufacturer's label |



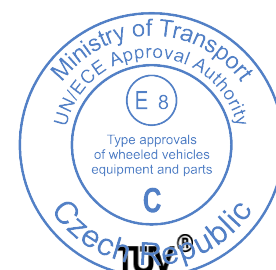
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Regulation: ECE No. 55.01
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Type: ORYX - VWA17

II. Test report

1. Test conditions

- 1.1. Test sample: Coupling device type ORYX - VWA17
- 1.1.1. Technical data from the manufacturer: N/A
- 1.2. Test procedures used: asynchronous endurance test according item 3.3.3.2 of annex 6 of regulation no. 55
- 1.3. Measuring and test equipment:
Hydraulic cylinder Inova, type A1125-250MOG, 25kN, s.n. 20 01 14
Force sensor Interface, model 1720ACK-25KN ,s.n.589470A
Hydraulic cylinder SAVAD 20-200M017 20kN, s.n. 30 88 1056
Force sensor ESH, s.n. 5521A
Electronic controller Instron IST 8800
- 1.4. Worst case evaluation: There is only one variant
- 1.5. Testing conditions:
Horizontal $\pm 7,56$ kN
Vertical From 3,14 to 9,42 kN
Number of cycles 2 000 000
Frequency 5 Hz and 5,1 Hz
- 1.6. Test track or site: SVÚM a.s., Čelákovice, Czech Republic

Pic.1 The test arrangement



Technical Report No.:
Regulation:
Manufacturer:
Type:

TÜV SÜD Czech s.r.o.
120498 – 20 – TAC
ECE No. 55.01
GKR STEEL s.r.o.
ORYX - VWA17



2. Test results

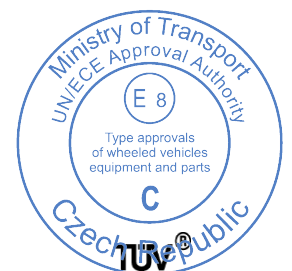
No cracks or fractures were found. See Pic.2-3

Pic.2-3 The coupling device after test.



3. Specimen submitted to test on: 2019-11-06

4. Date of test: 2019-11-07 to 2019-11-13





III. **Manufacturer's information folder** No. 055-PRYX-VWA17/00
11 pages total of 2020-03-12

IV. **Other documentation**
No other documentation

V. **Attachments**
No attachments

The results presented above relate to the tested items only and to the sample as provided by the customer.

Measuring and test equipment and test site meet the requirements of the applicable legislation. This report must never be reproduced incomplete and without a written permission of the testing laboratory. TÜV SÜD Czech confidentiality degree: confidential

VI. **Final assessment**
The described sample **complies**
with the requirements of ECE Regulation No. 55.01
for issue of approval certificate
This technical report consists of pages No. 1 to 4.

Václav Baloun

Test executive

Vít Bursík

Officially recognized expert

Prague, 2020-03-17

End of the technical report

