ISO 21308-5:2014-01 (E)

Road vehicles - Product data exchange between chassis and body work manufacturers (BEP) - Part 5: Coding of loader crane bodywork

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Coding principles 6
4.1 BEP codes of loader cranes 6
4.2 Units of BEP code values 7
4.3 References for measurements 8

5 Coding of geometrical data and space requirements 14
5.1 Mounting positions of crane and auxiliary stabilizers 14
5.2 Dimensional interfaces for connections to sub-frame and chassis 15
5.3 Crane base dimensions, stabilizers, and lower space requirements 17
5.4 Boom system dimensions and space requirements above mounting plane 26
5.5 Crane slewing space requirements 35
5.6 Auxiliary stabilizer dimensions 37

6 Coding of masses 41
6.1 Mass points in transport position 41
6.2 Masses with distances in working mode for stability calculations 43

7 Coding of forces and moments 45

8 Coding of general crane data 45
8.1 General crane data 45
8.2 Mechanical interfaces 46
8.3 Hydraulics equipment and interfaces 47
8.4 Electrical/electronic equipment and interfaces 48
8.5 Load lifting attachments 48

Bibliography 51