

# DIN EN 1501-5:2021-05 (E)

## Refuse collection vehicles - General requirements and safety requirements - Part 5 : Lifting devices for refuse collection vehicles

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		5
1	Scope .....	7
2	Normative references .....	8
3	Terms and definitions .....	10
4	List of significant hazards .....	19
5	Safety requirements and/or protective measures .....	23
5.1	General .....	23
5.2	Requirements for lifting the designated refuse containers .....	26
5.3	Requirements for lifting devices mounted on rear loaded RCVs .....	30
5.4	Requirements for refuse container lifting devices mounted on side and front loaded RCV's .....	34
5.5	Requirements for loader cranes mounted on RCV's .....	35
5.6	Hydraulic system .....	36
5.7	Pneumatic system .....	36
5.8	Electric system .....	36
5.9	Operating symbols .....	36
5.10	Control systems .....	38
5.11	Requirement for field of vision .....	40
5.12	Electrical components .....	41
5.13	Noise .....	42
5.14	Maintenance .....	43
5.15	Lifting points .....	43
5.16	Signals and warning devices .....	44
6	Verification .....	44
7	Information for use .....	44
7.1	Signals and warning devices .....	44
7.2	Instruction handbook .....	44
7.3	Maintenance .....	46
7.4	Data sheet .....	46
7.5	Marking .....	46
Annex A(normative) Danger zones, dimensions and connections .....		47
Annex B(informative) Types of special containers and their pick-up systems .....		74
Annex C(normative) Requirements for pin connections and data sheets .....		82
Annex ZA(informative) Relationship between this Standard and the essential requirements of EU Directive 2006/42/EC aimed to be covered .....		88
Bibliography .....		94