

DIN EN 15272-3:2008-02 (E)

Inland navigation vessels - Equipment for rope leading - Part 3: Roller fairleads

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Design	6
4.1	Types	6
4.2	Nominal sizes	6
4.3	Dimensions	6
4.4	Rope deflectors	8
4.5	Rollers	9
4.5.1	Roller arrangement	9
4.5.2	Roller bearings	9
4.5.3	Material combinations for journal bearing	10
4.5.4	Material	10
4.5.5	Details of the roller bearings	10
5	Design	14
6	Surface protection	14
7	Designation	14
8	Marking	14
9	Manufacturer's certificate	14
A.1	Example of freestanding roller fairlead with supporting plates in three journals and top rope deflector	15
A.2	Examples of dimensions	16
Bibliography		17
Figures	Figure 1 -- Arrangement of rollers, integrated into the vessel side, type A	7
	Figure 2 -- Arrangement of rollers, freestanding on deck, type B	8
	Figure 3 -- Bearing with continuous journal of material combination 1 according to Table 4 (no journal bush)	12
	Figure 4 -- Bearing with pin	13
	Figure 5 -- Lubricating pipe for vertical roller	13
	Figure A.1 -- Example of freestanding roller fairlead	15
Annex A (informative) Examples		15
Tables	Table 1 -- Nominal sizes and rope arrangement	6

Table 2 -- Rope deflectors	9
Table 3 -- Roller bearings	9
Table 4 -- Material combinations	10
Table 5 -- Material	11
Table A.1 -- Examples of dimensions (see Figure 1 and Figure 2)	16