

JIS

JAPANESE INDUSTRIAL STANDARD

Small Size Fairleads

JIS F 2021 —1976

Translated and Published

by

Japanese Standards Association



Documents
Document Sharing Hub

Translation without guarantee
In the event of any doubt arising, the original
standard in Japanese is to be evidence



Documents
Document Sharing Hub

JAPANESE INDUSTRIAL STANDARD

J I S

Small Size Fairleads

F 2021-1976

1. Scope

This standard provides for small size fairleads used for mooring ships, etc.

2. Classification

The fairleads shall be classified as given in the following Table:

Table

Type	Nominal diameter mm		
O-2	75,	100	
C-2	75,	100	
O-3	75,	100	
C-3	75,	100	
DO-2	100,	130,	150

Remarks 1. In the codes representing types, the first place letter "O" stands for "open type", "C" for "closed type" and "DO" for "open deck-end roller type".

2. The second place figure denotes the number of rollers.

3. Construction, Shape and Dimensions

The construction, shape and dimensions shall be as given in Figs. 1 to 5 and Tables 1, 2, 4 and 6.

4. Material

The materials shall be as given in Tables 3, 5 and 7.

5. Designation

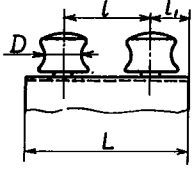
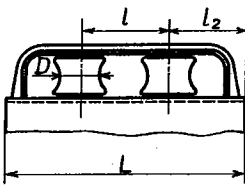
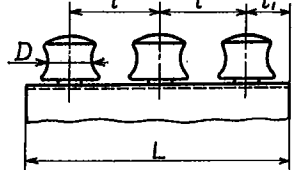
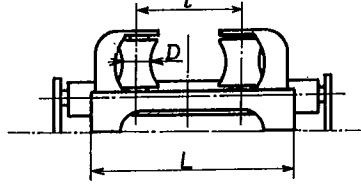
The fairlead shall be designated by title, type and nominal diameter. JIS number may be used in place of the title.

Example: Small Size Fairlead O-2-100 or JIS F 2021-O-2-100

Applicable Standards: See page 14.

Table 1 Principal Dimensions of Small Size Fairleads

Unit: mm

Type	Nom- inal dia.	D	L	l	l ₁	l ₂	Corre- sponding dia. of bollard (Refer- ence)	Applicable dia. of rope (Reference)					Calcu- lated mass (kg)
								Hemp rope	Syn- thetic fibre rope	Wire rope			
										No. 2 (6×12)	No.4 (6×24)		
O-2 	75	75	430	230	100	—	75	20	14	8	6	8.04	
							100	26	18	10	8		
	100	100	530	290	120	—	125	35	25	12	10	18.2	
							150	40	28	16	12		
C-2 	75	75	550	230	—	160	75	20	14	8	6	11.9	
							100	26	18	10	8		
	100	100	710	290	—	210	125	35	25	12	10	29.7	
							150	40	28	16	12		
O-3 	75	75	660	230	100	—	75	20	14	8	6	12.1	
							100	26	18	10	8		
	100	100	820	290	120	—	125	35	25	12	10	27.3	
							150	40	28	16	12		
C-3 	75	75	780	230	—	160	75	20	14	8	6	17.0	
							100	26	18	10	8		
	100	100	1000	290	—	210	125	35	25	12	10	40.0	
							150	40	28	16	12		
DO-2 	100	100	560	300	—	—	125	35	20	12	10	45.0	
							150	40	24	16	12		
	130	130	740	400	—	—	175	50	32	18	16	93.0	
							200	55	36	20	18		
	150	150	800	440	—	—	225	65	42	24	20	115.0	
							300	75	46	28	22.4		

- Remarks 1. Details of fairleads shall be in accordance with Figs. 1 to 5.
2. Where the base has curved bottom to fit the form of the hull part where the fairlead is to be installed, as in the bow, stern, etc., the length of base L shall be measured on its face along the line containing the centres of rollers.
 3. The corresponding diameter of bollard and the applicable diameter of rope are given for reference only.
 4. The dimensions L , l , l_1 and l_2 may be modified according to the condition of installation.
 5. In the calculated mass, that of the base is not included, except for DO-2.

