

No. : TA15588E

Date : 19 June 2015

PARTICULARS OF APPROVAL

Approval Conditions for Synthetic Fibre Ropes

1. Approval No. : 04R-5
2. Trade Name : D-Flex
3. Kind : Polypropylene / Polyester Composite Rope
4. Grade : Not Applicable
5. Number of Strands : 8
6. Raw Textile
 - 1. Polypropylene
 - Manufacturer : DSR CORP.
 - Kind : Polypropylene Mono-filament 3000D
 - 2. Polyester
 - Manufacturer : Sam Yang Co., Ltd.
 - Kind : Polyester Multi-filament 2000D/384F
7. Specification : See Table 1 and 2.

NIPPON KAIJI KYOKAI



T. Imamura

General Manager

Material and Equipment Department

Table 1: Specification of D-Flex

Diameter (mm)	Mass (kg/200m)	Breaking Load (kN)
40	185	314
45	228	392
50	286	471
55	345	559
60	401	657
65	466	755
70	538	873
75	616	1,001
80	698	1,118
85	788	1,266
90	879	1,413
95	980	1,579
100	1,078	1,736
105	1,188	1,930
110	1,304	2,099
115	1,421	2,286
120	1,547	2,482

Remark: The above minimum breaking loads are to be satisfied at room temperature after having been immersed in warm water at $35\pm 2^{\circ}\text{C}$ for more than 30 minutes.



Table 2: Corresponding Diameter of D-Flex to Hemp Rope

Diameter of Ropes (mm)	
Hemp Rope	D-Flex
60	36
65	39
70	42
75	45
80	48
85	51
90	54
95	57
100	60
110	66
120	72

