

No. : TA15591E

Date : 19 June 2015

PARTICULARS OF APPROVAL

Approval Conditions for Synthetic Fibre Ropes

1. Approval No. : 12R-1
2. Trade Name : Nylon-Polyester Double Braid Rope
3. Kind : Nylon / Polyester Double Braided Rope
4. Grade : Not Applicable
5. Number of Strands : See Table 1.
6. Raw Textile : See Table 1.
7. Specification : See Table 2 and 3.

Table 1: Part of Approval Conditions

	No. of Strands	Raw Textile	
		Manufacturer	Kind
Core	12	Hyosung Corporation	Nylon-6 Multifilament Yarn
Cover	32	Sam yang Co., Ltd.	Polyester Multi-filament 2000D/384F

NIPPON KAIJI KYOKAI


T. Imamura

General Manager

Material and Equipment Department



Table 2: Specification of Nylon-Polyester Double Braid Rope

Diameter (mm)	Mass (kg/200m)	Breaking Load (kN)
40	243	392
44	295	471
48	350	554
52	412	648
56	476	726
60	547	844
64	622	952
68	703	1,069
72	788	1,197
80	973	1,462
88	1,177	1,746
96	1,400	2,050

Remark : The above minimum breaking loads are to be satisfied at room temperature after having been immersed in warm water at 35±2°C for more than 30 minutes.



Table 3: Corresponding Diameter of Nylon-Polyester Double Braid Rope to Hemp Rope

Diameter of Ropes (mm)	
Hemp Rope	Nylon-Polyester Double Braid Rope
65	40
70	43
75	46
80	49
85	52
90	55
95	58
100	61
105	65
110	68
115	71
120	74
125	77
130	80
135	83
140	86
145	89
150	92

