



Lampiran 3

**REQUEST OF SPARE/STORE PART(A)**

Ship's Name	MV. DK02	Voy. No.	009 L	C/O	Master
Doc. No.	009/D/GENERAL STORE / DK02/08/17	Date of Requisition	15-08-2017		

No.	Description	Part No. (Impa)	Unit	Request	Remain	Date of Request	Remarks
01.	CABLE GRIPS (CABLE STOCKING),FOR ROPE DIA 30-35MM,JOINT B TYPE (RB)	21 45 06	PC	4	0	15-08-2017	USED FOR JOINT THE WIRE DURING CHANGE
02.	CABLE GRIPS (CABLE STOCKING),FOR ROPE DIA 30-35MM,STANDARD TYPE (R)	21 45 06	PC	2	2	15-08-2017	USED FOR JOINT THE WIRE DURING CHANGE
03.	NON ROTATING WIRE ROPE 4 X 39,DIAMETER 30MM,LENGTH 182.5M WITH PRESSED THIMBLE AT ONE END	21 35 18	COIL	2	0	15-08-2017	LUFFING WIRE
04	NON ROTATING WIRE ROPE 4 X 39,DIAMETER 34MM,LENGTH 229M WITH PRESSED THIMBLE AT ONE END	21 35 22	COIL	2	0	15-08-2017	CARGO HOISTING WIRE

Lampiran 4

INTERNATIONAL MARINE PURCHASING ASSOCIATION

### Non Rotating 4 Strand Wire Rope

Cable de Acero Antigiratorio 4 Cordones  
非自転四つヨリワイロープ 非自转4股钢丝绳  
4-х прядный невращающийся трос

Best for use as a single lift crane rope. This rope has a unique four strand construction which serves to control and minimize the self spinning or rotating nature of the rope. The simple construction of the rope prevents sectional collapse and deformation. A smooth exterior finish, created through a special process, withstands abrasion and fits easily to the grooves of a drum or sheave. Because the outer shape of the rope is fitted well to drums and sheaves, there is less resulting friction during actual use, extending the length of service of the rope considerably.

The breaking strength of the non rotating ropes is higher than that of 6 strand ropes of an equivalent diameter and the margin of safety is higher. In spite of the 4 strand construction, these ropes have superior flexibility.

Recommended for use as the hoisting lines of tower and derrick cranes, as grab winch ropes, derrick fall ropes, and lifeboat fall ropes.

#### UNI-Rope U4 x SeS(39)

\* Principles of non-rotating properties of wire rope

- By making wire rope with multi strands and by laying the strands of the inner core of the rope in the opposite direction of the outer strands, the self rotating torque can be counteracted.
- By lengthening the lay (pitch) of the strands, reducing the number of strands, and laying strands of a more triangular shape, the tendency for the rope to be affected by spherical motion is decreased.

Conventional rope  
6 x 19

FC

Non-rotating rope  
(single strand rope)  
U4 x SeS(39)

A + 4 x (a + 9 / 15 + 15)

Non-rotating rope  
(multi strand rope)  
16 x 7

FC

TS < TR

TS = TR

TS ≈ TR

#### Non Rotating Wire Rope U4 x SeS(39)

A + 4 x (a+9/15+15)  
Uni-Rope  
(Non-Rotating Rope)

Applications : Cranes, Hoists

**How to order : CODE**  
Wire rope, non-rotating, U4 x SeS(39), galvanized, DIAM x LENGTH with TYPE of rope end preparation

CODE	Circ. Inch	Diam mm	Breaking Strength		Weight per mtr (kg/mtr)
			kN	tf	
21 35 31	2"	16	169	19.2	1.00
32	2-1/4"	18	239	24.4	1.27
33	19	266	27.1	1.41	
34	2-1/2"	20	295	30.1	1.56
35	2-3/4"	22	357	36.4	1.89
21 35 36	22.4	370	37.7	1.96	
37	3"	24	425	43.3	2.25
38	25	450	45.9	2.44	
39	3-1/4"	26	487	49.6	2.64
40	3-1/2"	28	564	57.5	3.07

(to be continued)