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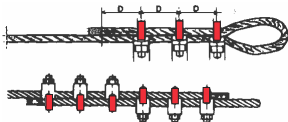
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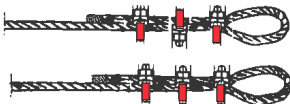
## WIRE ROPE CLIPS

Correct fitting methods:

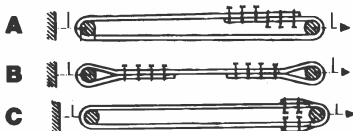


1. "U" bolt must be **on dead end** as shown.
2. **Minimum distance** between clips is 6 times rope diameter.
3. The bolts should be tightened to the effect that the wire is **locally squeezed down to 2/3** of its nominal diameter.
4. **Minimum number of clips**, for 100% efficiency.
  - 12 mm rope: 4 clips on each dead end;
  - 16 mm rope: 4 clips on each dead end;
  - 18 mm rope: 5 clips on each dead end;
  - 20 mm rope: 5 clips on each dead end;
  - 25 mm rope: 7 clips on each dead end;
5. During use, routinely check and tighten clips.

Wrong fitting methods:

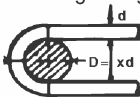


## Efficiency tests results:



	SYSTEM A				SYSTEM B				SYSTEM C		
Nbr. of clips	2	3	4	5	2	3	4	5	2	4	6
Rope diam.											
16 mm	4T	13T	20T		6T	12T			4T	13T	21T
18 mm	10T	12T	15T	25T	8T	15T			15T	20T	25T
20 mm	4T	9T	17T	20T	3T	9T	17T	15T	8T	17T	22T

NB. The above loads mean breaking strength or clips slipping loads.



For D =	6 x d	5 x d	4 x d	3 x d	2 x d	d
Efficiency	100%	85%	80%	75%	65%	50%

Sources:

DIN 741, 1142 and 3060.

US Navy salvors handbook.

US Dpt. of Labour Occupational Safety and Health Adm.

Code of safe working practices for the safety of merchant seamen.