Workers' Safety and Compensation Board Yukon

CODE OF PRACTICE
Rating Wire Rope Terminations

Pursuant to section 72(1) of the *Workers' Safety and Compensation Act* S. Y. 2021 c. 11, the Board of Directors establishes the following Code of Practice:

1. This Code of Practice explains the requirements for determining the efficiency rating for different types of wire rope terminations. It provides practical guidelines to the Workplace Health and Safety Regulations *Part 5 - Cranes, Hoisting and Lifting*, sections 5.37 and 5.38 to help determine what is appropriate for the particular circumstances of each workplace.

2. This Code of Practice applies to all workplaces subject to Part 3 of the *Workers' Safety and Compensation Act*.

3. In assessing the requirements for determining the efficiency rating for different types of wire rope terminations, the following should be considered:

Efficiency ratings (1) Should specifications by the manufacturer not be available, regarding wire rope termination, Diagram 1 (below) shall be used to determine the efficiency ratings for various types of wire rope terminations.

Wire rope clips (2) Should specifications by the manufacturer not be available, regarding the installation and use of wire rope clips, Table 1 (below) shall be used as a guide for installation and use of wire rope clips.

U-bolts (3) The U-bolt part of a wire rope clip shall be installed so that it bears on the unloaded or dead end of the wire rope.

Splicing (4) Wire rope splices made using wire rope clips shall

(a) use double the number of clips specified by the manufacturer or the below table for a single loop termination, when forming a lap splice, or

(b) use the number of clips specified by the manufacturer or the below table for each loop termination, when forming a double loop splice.

Effective date: July 1, 2022

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DIAGRAM 1

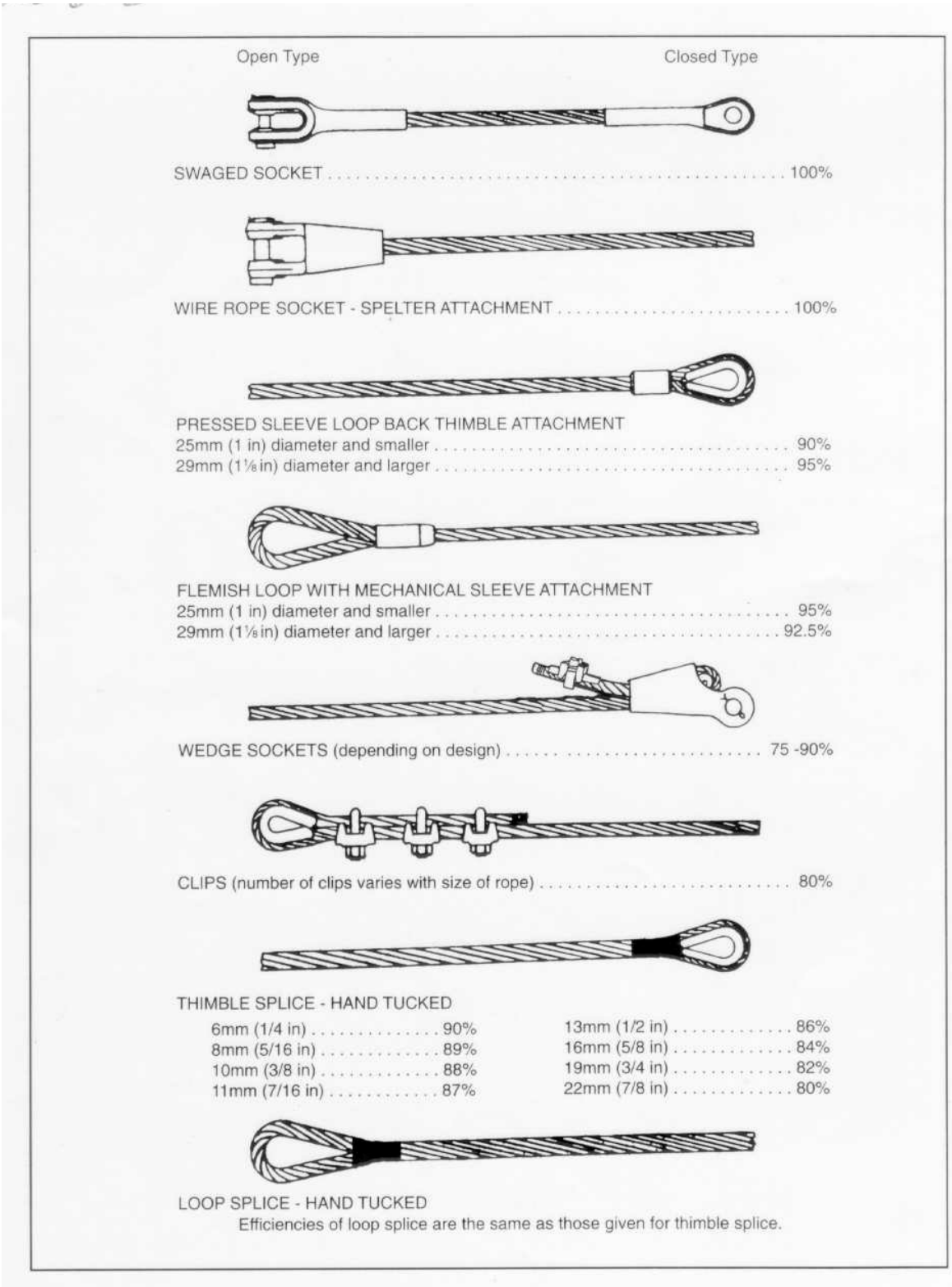

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TABLE 1 - Installation and Use of Wire Rope Clips

Diameter of rope		Number of clips	Spacing between clips (centre to centre)		Torque	
millimetres	inches		millimetres	inches	newton metres	foot pounds
6	¼	2	38	1 ½	20	15
8	5/16	2	51	2	41	30
10	3/8	2	57	2 ¼	61	45
11	7/16	2	64	2 ½	88	65
13	½	3	76	3	88	65
16	5/8	3	102	4	129	95
19	¾	4	114	4 ½	176	130
22	7/8	4	133	5 ¼	305	225
25	1	4	152	6	305	225
29	1 1/8	5	178	7	305	225
32	1 ¼	5	203	8	488	360
38	1 ½	6	229	9	488	360
44	1 ¾	7	267	10 ½	630	465
51	2	8	305	12	881	650
54	2 1/8	8	330	13	881	650
57	2 ¼	8	356	14	881	650

History

Code of Practice 2006/03, effective January 1, 2007, revoked July 1, 2022