

LIFTING & RIGGING INDUSTRY STANDARDS

REFERENCE GUIDE

Cranes	OSHA (Occupational Safety & Health Administration)	
	1910.179	Overhead and Gantry Crane Regulations
	CMAA (Crane Manufacturers Association of America)	
	Specification #70	Specifications for Top Running Bridge & Gantry Type Multiple Girder Cranes
	Specification #74	Specifications for Top Running & Under Running Single Girder Cranes
	Specification #78	Professional Services
	Service Classes	A1; A2; B; C; D; E; F
	ASME (American Society of Mechanical Engineers)	
	B30.1	Jacks, Industrial Rollers, Air Casters, & Hydraulic Gantries
	B30.2	Overhead & Gantry Cranes
	B30.3	Tower Cranes
	B30.4	Portal & Pedestal Cranes
	B30.5	Mobile & Locomotive Cranes
	B30.6	Derricks
	B30.8	Floating Cranes & Floating Derricks
	B30.11	Monorails & Underhung Cranes
	B30.17	Cranes & Monorails (With Underhung Trolley or Bridge)
	B30.18	Stacker Cranes
	B30.22	Articulating Boom Cranes
	B30.24	Container Cranes
B30.29	Self-Erecting Tower Cranes	
NEC (National Electric Code)		
610.61	Grounding Requirements (in relation to overhead crane electrification)	



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Rigging Equipment	OSHA (Occupational Safety & Health Administration)	
	1910.184	Slings
	ASME (American Society of Mechanical Engineers)	
	B30.9	Lifting Slings
	B30.10	Hooks
	B30.12	Handling Loads Suspended from Rotorcraft
	B30.26	Rigging Hardware
	B30.30	Ropes
	WSTDA (Web Sling & Tie Down Association)	
	RS-1	Synthetic Polyester Roundslings
	RS-1HP	Specification for High Performance Yarn (HPY) Roundslings
	T-3	Winches Used With Synthetic Web Tie Downs
	TH-1	Synthetic Sewing Threads for Slings & Tie Downs
	WS-1	Synthetic Web Slings
T-1	Synthetic Web Tie Downs	
WB-1	Synthetic Webbing for Slings	
T-4	Specification for Synthetic Webbing Used for Tie Downs	
T-6	Load Binders Used with Chain Tie Downs	
TM-1	Strength & Elongation Recommended Test Method for Sling & Tie Down Webbing	
Hoists	ASME (American Society of Mechanical Engineers)	
	B30.7	Winches
	B30.16	Overhead Underhung & Stationary Hoists
	B30.21	Lever Hoists
BTH	ASME (American Society of Mechanical Engineers)	
	B30.20	Below-the-Hook Lifting Devices
	BTH - 1	Design of Below-the-Hook Lifting Devices



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Material Handling	OSHA (Occupational Safety & Health Administration)	
	1910.176	Handling Materials - General
	ASME (American Society of Mechanical Engineers)	
	B30.13	Storage/Retrieval (S/R) Machines & Associated Equipment
	B30.25	Scrap & Material Handlers
B30.27	Material Placement Systems	
B30.28	Balance Lifting Units	
Fall Protection	OSHA (Occupational Safety & Health Administration)	
	1926.501	Duty to Have Fall Protection
	1926.502	Fall Protection Systems Criteria & Practices
	1926.503	Training Requirements
	ANSI (American National Standards Institute)	
	Z359.2	Minimum Requirements for a Comprehensive Managed Fall Protection Program
	Z359.11	Safety Requirements for Full Body Harnesses
	Z359.13	Personal Energy Absorbers & Energy Absorbing Lanyards
Z359.14	Safety Requirements for Self-Retracting Devices for Personal Fall Arrest & Rescue Systems	



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OSHA (Occupational Safety & Health Administration)

1910	Occupational Health & Safety Hazards for General Industry
<i>1910 Subpart N</i>	<i>Materials Handling & Storage</i>
1910.176	Handling Materials - General
1910.179	Overhead and Gantry Crane Regulations
1910.184	Slings
1926.32	Definitions: competent person (f), qualified person (m), designated person (j)
1926	Safety & Health Regulations for Construction
<i>1926 Subpart M</i>	<i>Fall Protection</i>
1926.501	Duty to Have Fall Protection
1926.502	Fall Protection Systems Criteria & Practices
1926.503	Training Requirements

ANSI (American National Standards Institute)

359	Fall Protection
Z359.2	Minimum Requirements for a Comprehensive Managed Fall Protection Program
Z359.11	Safety Requirements for Full Body Harnesses
Z359.13	Personal Energy Absorbers & Energy Absorbing Lanyards
Z359.14	Safety Requirements for Self-Retracting Devices for Personal Fall Arrest & Rescue Systems

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RS-1	Synthetic Polyester Roundslings
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WS-1	Synthetic Web Slings
T-1	Synthetic Web Tie Downs
WB-1	Synthetic Webbing for Slings
T-4	Specification for Synthetic Webbing Used for Tie Downs
T-6	Load Binders Used with Chain Tie Downs
TM-1	Strength & Elongation Recommended Test Method for Sling & Tie Down Webbing

CMAA (Crane Manufacturers Association of America)

Specification #70	Specifications for Top Running Bridge & Gantry Type Multiple Girder Cranes
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ASME (American Society of Mechanical Engineers)	
B30	Cableways, Cranes, Derricks, Hoists, Jacks, Slings
B30.1	Jacks, Industrial Rollers, Air Casters, & Hydraulic Gantries
B30.2	Overhead & Gantry Cranes
B30.3	Tower Cranes
B30.4	Portal & Pedestal Cranes
B30.5	Mobile & Locomotive Cranes
B30.6	Derricks
B30.7	Winches
B30.8	Floating Cranes & Floating Derricks
B30.9	Lifting Slings
B30.10	Hooks
B30.11	Monorails & Underhung Cranes
B30.12	Handling Loads Suspended from Rotorcraft
B30.13	Storage/Retrieval (S/R) Machines & Associated Equipment
B30.14	Side Boom Tractors
B30.16	Overhead Underhung & Stationary Hoists
B30.17	Cranes & Monorails (With Underhung Trolley or Bridge)
B30.18	Stacker Cranes
B30.19	Cableways
B30.20	Below-the-Hook Lifting Devices
B30.21	Lever Hoists
B30.22	Articulating Boom Cranes
B30.23	Personnel Lifting Systems
B30.24	Container Cranes
B30.25	Scrap & Material Handlers
B30.26	Rigging Hardware
B30.27	Material Placement Systems
B30.28	Balance Lifting Units
B30.29	Self-Erecting Tower Cranes
B30.30	Ropes
BTH - 1	Design of Below-the-Hook Lifting Devices
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