

# Saturn 1020

## Technical Data Sheet



### Saturn 1020 Full Body Harness

Universal and XS size Saturn 1020 Full Body Harnesses are designed for users with a maximum capacity up to 310 pounds (141 kg) including clothing, tools, etc.

Saturn 1020 Full Body Harnesses sized XXL and larger are designed for users with a maximum capacity up to 400 pounds (181 kg) including clothing, tools, etc.

All components of the Saturn 1030 Full Body Harness meet the ANSI Z359.1-2007 standard and OSHA 29 CFR 1910.66 and 1926.502 requirements.



### Attachment Points



**A** The dorsal (back) D-ring affixed to all 3M Full Body Harnesses is for fall arrest or restraint systems. The dorsal D-ring may also be used for rescue applications.



**L** A front D-ring is used for fall arrest in vertical systems that limit the free fall distance to 18 inches. The front D-ring may be used for restraint, and ladder climbing systems.



**D** The seat strap D-rings are to be used for rescue, and controlled descent applications. The front D-ring may also be used for rescue, and controlled descent.



**E** Shoulder D-rings may be used in rescue applications. Always use both shoulder D-rings simultaneously, utilizing the 3M M30-SBA Spreader Bar Assembly. **The shoulder D-rings are not for fall arrest or climbing applications.**



**P** Hip D-rings are used for positioning and restraint systems. Always use both hip D-ring connections when securing work positioning devices. **Hip D-rings are not for fall arrest or climbing applications.**



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Model 3M ID	Webbing Material	D-Rings	D-Ring Material	Leg Connection	Chest Connection	Capacity	CSA Class	Weight	Compliance Standards
1020-XS 70071612504	Nomex®; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A		ANSI Z359.1-07 CSA Z259.10-06
1020 70071598364	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A	3.1 lbs (1.4 kg)	ANSI Z359.1-07 CSA Z259.10-06
1020-LOGO 70071598406	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A	3.1 lbs (1.4 kg)	ANSI Z359.1-07 CSA Z259.10-06
1020-XXL 70071598430	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A	3.3 lbs (1.5 kg)	ANSI Z359.1-07 CSA Z259.10-06
1020-XXL-LOGO 70071598448	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A	3.3 lbs (1.5 kg)	ANSI Z359.1-07 CSA Z259.10-06
1020-XXXL 70071612512	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A		ANSI Z359.1-07 CSA Z259.10-06
1020F 70071598927	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020F-LOGO 70071598968	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020F-XXL 70071598992	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020F-XXL-LOGO 70071599008	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020FQ 70071598976	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020FQ-LOGO 70071598984	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020FQ-XXL 70071599016	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020FQ-XXL-LOGO 70071599024	Nomex; Polyester	Back, Front	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A, L		ANSI Z359.1-07 CSA Z259.10-06
1020Q 70071598414	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A		ANSI Z359.1-07 CSA Z259.10-06
1020Q-LOGO 70071598422	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	310 lbs (141 kg)	A		ANSI Z359.1-07 CSA Z259.10-06
1020Q-XXL 70071598455	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A		ANSI Z359.1-07 CSA Z259.10-06
1020Q-XXL-LOGO 70071598463	Nomex; Polyester	Back	Forged Steel	Pass Thru	Pass Thru	400 lbs (181 kg)	A		ANSI Z359.1-07 CSA Z259.10-06

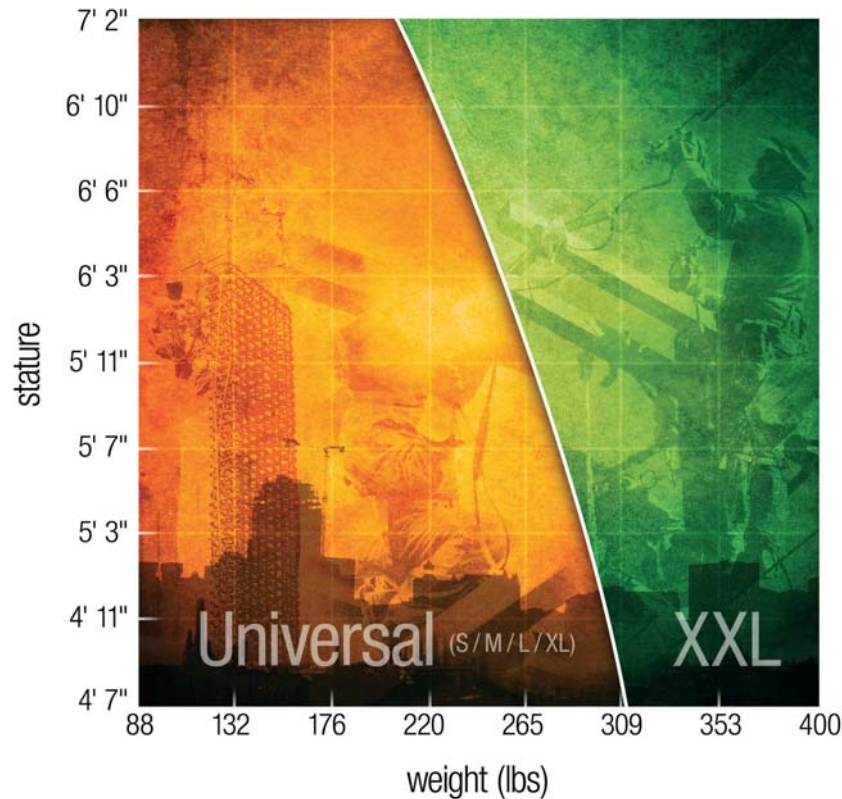
F = Front D-Ring; Q = Quick Connect; LOGO = Option to add custom logo; Weights and measurements are approximate.

### WARNING

Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest. Users must read and understand the User Instructions provided with the product and be properly trained by their employer prior to use per OSHA 29 CFR 1910.66 and 1926.503 or applicable local standards. **Misuse or failure to follow warnings and instructions may result in serious personal injury or death.** For proper use, see supervisor, User Instructions, or call Technical Service at 800-243-4630.

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### Product Warranty, Limited Remedy, and Limitation of Liability

**WARRANTY:** THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Equipment offered by 3M is warranted against factory defects in workmanship and materials for a period of one year from date of installation or first use by the original owner.

**LIMITED REMEDY:** Upon notice in writing, 3M will repair or replace all defective items at 3M's sole discretion. 3M reserves the right to require that the defective item be returned to its plant for inspection before determining the appropriate course of action. Warranty does not cover equipment damage resulting from wear, abuse, damage in transit, failure to maintain the product or other damage beyond the control of 3M. 3M shall be the sole judge of product condition and warranty options. This warranty applies only to original purchaser and is the only warranty applicable to this product. Please contact 3M technical service department at 800-243-4630 for assistance.

**LIMITATION OF LIABILITY:** IN NO EVENT WILL 3M BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.

#### 3M Occupational Health & Environmental Safety Division

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Saint Paul, MN 55144-1000  
USA

Technical Assistance: 1-800-243-4630 in U.S.  
and 1-800-267-4414 in Canada  
[www.3M.com/FallProtection](http://www.3M.com/FallProtection)  
[www.3M.com/PPESafety](http://www.3M.com/PPESafety)



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