

MSA V-TEC™ SRL
User Instructions

EN 360:2002
ANSI Z359.14:2012
CSA Z259.2-98
OSHA 1910.66
OSHA 1926.502
IRAM 3605, 2005
NBR 14628:2010

- 1 User Instructions
- 2 Mode d'emploi
- 3 Instrucciones de usuario
- 4 Instruções para o usuário

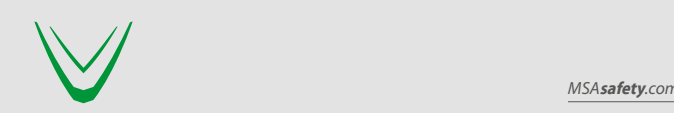


Table 4 - Acceptable anchor locations/
Tabla 4 - Ubicaciones aceptables para el anclaje/
Tableau 4 - Points d'ancrage acceptables/
Tabla 4 - Locais aceitáveis para âncoras

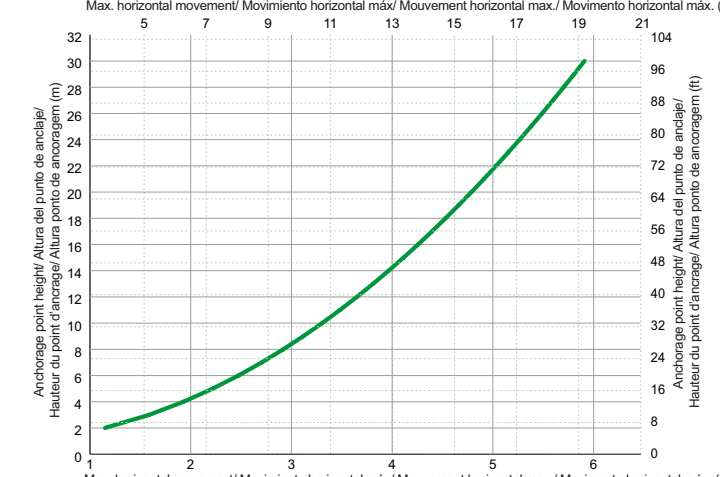
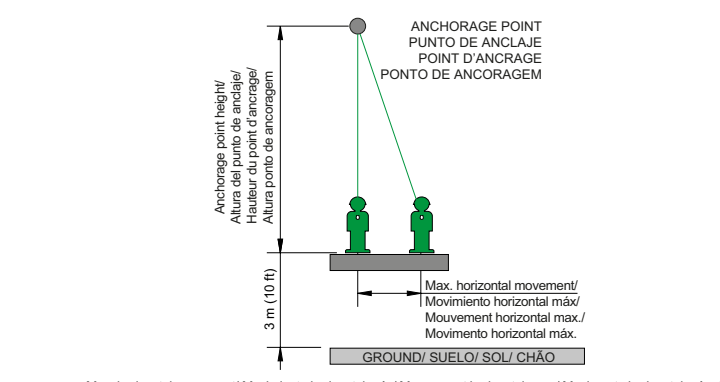


Table 5 Periodic examination interval

Usage	Interval
Infrequent to light	Annually (12 months)
Moderate to heavy	Semi-annually to annually (6-12 months)
Severe to continuous	Quarterly to semi-annually (3-6 months)

Usage shall be determined by a competent person.
The V-TEC SRL shall not be altered or added to and shall be repaired in accordance with the manufacturer's instructions. Repairs shall be completed by a Technician*.

Maximum product life:
The V-TEC SRL's service life is determined by the device condition as prescribed by pre-use checks and periodic examinations; there is no fixed service life. Continued use is dependent upon passing pre-use checks and periodic examinations. Service life may be reduced by frequency and conditions of use or local regulations.

If an issue is identified, the V-TEC SRL has been subject to a fall or any doubt exists as to the suitability of the V-TEC SRL it shall be tagged "unusable" and withdrawn from service. Prior to return to service the manufacturer or Technician shall confirm, in writing, that the V-TEC SRL has passed examination. V-TEC SRLs that have arrested a fall or are unable to pass an inspection shall be tagged "unusable" and returned to a Technician.

1. Competent person: a person, other than the User, competent in the examination of PPE in accordance with MSA Latchways instructions.
2. Technician: a person, other than the User, who is trained by MSA Latchways to examine, repair and recertify V-TEC SRLs, in accordance with MSA Latchways instructions.
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Table 3 - Materials/
Tabla 3 - Materiales/
Tableau 3 - Matériaux/
Tabla 3 - Materiales

EN Component	EN Material
Case	Polycarbonate
Drum	PC-ABS / aluminium
Chassis, pawls, locking mechanism, swivel, main spring	Stainless steel
Lifeline	Ø 5 mm galvanised steel or stainless steel
Connectors	Steel
ES Componente	ES Materiales
Carcasa	Polícarbonato
Tambor	PC-ABS/aluminio
Chasis, trinquetes, mecanismo de bloqueo, pieza giratoria, resorte principal	Acero inoxidable
Línea de vida	Ø 5 mm Acero galvanizado o acero inoxidable
Conectores	Acero
FR Composant	FR Matériaux
Carcasa	Polycarbonate
Tambour	PC-ABS / aluminium
Châssis, cliquets, mécanisme de verrouillage, émerillon, ressort principal	Acier inoxydable
Ligne de vie	Ø 5 mm Acier galvanisé ou acier inoxydable
Connecteurs	Acier
PT Componente	PT Materiais
Caixa	Polícarbonato
Tambor	PC-ABS/alumínio
Chassis, linguetas, mecanismo de bloqueio, articulação, mola principal	Aço inoxidável
Linha de vida	Ø 5 mm aço galvanizado ou aço inoxidável
Conectores	Aço

Figure 1 - Load indicator /
Figura 1 - Indicador de carga /
Figure 1 - Indicateur de charge/
Figura 1 - Indicador de carga

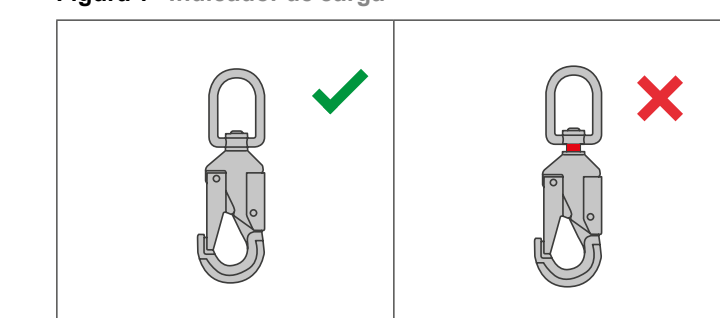
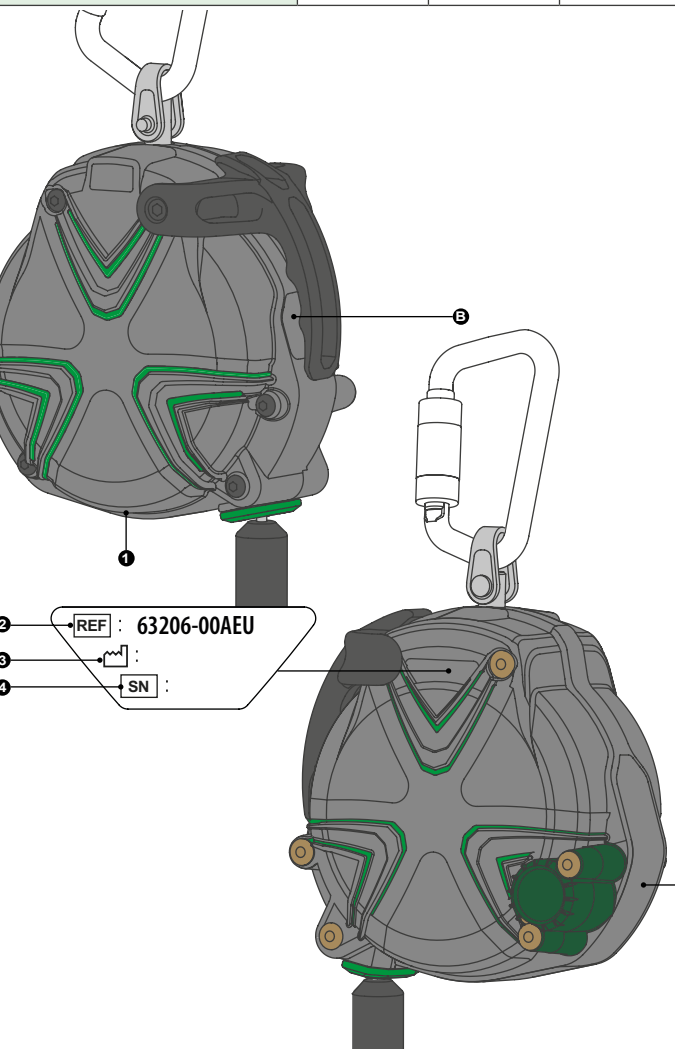


Table 2 - Pre-use checks/
Tabla 2 - Pre-avertimientos/
Tableau 2 - Contrôles avant utilisation/
Tabela 2 - Verificações antes da utilização

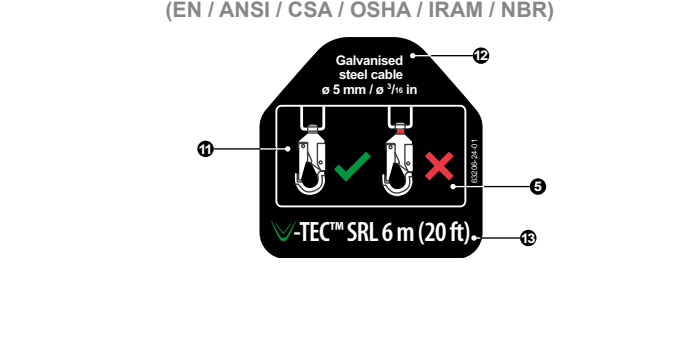
EN Pre-use checks	Method	ES Comprobaciones previas al uso	Método	FR Contrôles avant utilisation	Méthode	PT Verificações antes da utilização	Método
Load indicator	Ensure load indicator has not been deployed (Figure 1)	Indicador de carga	Asegúrese de que el indicador de carga no se ha desplegado (Figura 1)	Indicateur de charge	Vérifiez que l'indicateur de charge ne s'est pas déployé (Figure 1)	Indicador de carga	Certifique-se de que o indicador de carga não foi ativado. (Figura 1)
Examination date	Ensure date of next examination has not elapsed.	Fecha de servicio	Asegúrese de que la fecha del próximo servicio no ha vencido	Date de l'entretien	Vérifiez que la date du prochain entretien n'est pas dépassée	Data de assistência	Certifique-se de que a data da assistência seguinte não foi ultrapassada
General condition	Where possible visually examine for signs of excessive damage, wear, corrosion or contamination both outside and within the case.	Estado general	Siempre que sea visualmente posible, examine el producto en busca de daños excesivos, desgaste, corrosión o suciedad tanto fuera como dentro de la carcasa.	General condition	Dans la mesure du possible, effectuez un contrôle visuel pour détecter d'éventuels signes de dommage, d'usure, de corrosion ou de contamination sur l'extérieur et à l'intérieur du boîtier.	Condição geral	Onde for possível, fazer uma inspeção visual para identificar sinais de dano excessivo, desgaste, corrosão ou contaminação tanto no interior como no exterior do estojo.
Connectors and visible cable	Check all visible cable for any signs of corrosion, excessive damage or contamination. Ensure correct operation of connectors	Conectores y cable a la vista	Compruebe todos los cables a la vista para detectar cualquier signo de corrosión, daños excesivos o suciedad. Compruebe el funcionamiento correcto de los conectores.	Connecteurs et câble visible	Vérifiez la totalité du câble visible pour détecter d'éventuels signes de corrosion, de dommage excessif ou de contamination. Vérifiez le fonctionnement correct des connecteurs.	Conectores e cabos visíveis	Controle todos os cabos visíveis para identificar qualquer sinal de corrosão, dano excessivo ou contaminação. Verifique se os conectores estão funcionando corretamente.
Retraction	Hold the device vertically, pull lifeline out and ensure retraction is smooth and unhesitant (maintain a light tension on the lifeline whilst it retracts)	Retracción	Sujete el dispositivo en posición vertical, tire de la línea de vida para sacarla y asegúrese de que la retracción fluye y no se atasca (mantenga una leve tensión en la línea de vida mientras esta se retrae)	Rétraction	Maintenez le dispositif à la verticale, faites sortir la longe et vérifiez que la rétraction est régulière et sans hésitation (maintenez une légère tension sur la longe pendant qu'elle se rétracte)	Retracção	Segure o dispositivo na vertical, puxe a linha de vida para fora e certifique-se de que a retracção é suave e linear (mantenha uma leve tensão na linha de vida durante a retracção)
Lock-on	Pull sharply on the lifeline – ensure device locks	Bloqueo	Tire con firmeza de la línea de vida y asegúrese de que el dispositivo se bloquea	Verrouillage	Tirez vivement sur la longe – vérifiez que le dispositif se verrouille	Bloqueio	Puxe bruscamente a linha de vida – certifique-se de que o dispositivo bloqueia

Table 1 - System Requirement/
Tabla 1 - Requisitos del sistema/
Tableau 1 - Exigences du système/
Tabela 1 - Requisitos do Sistema

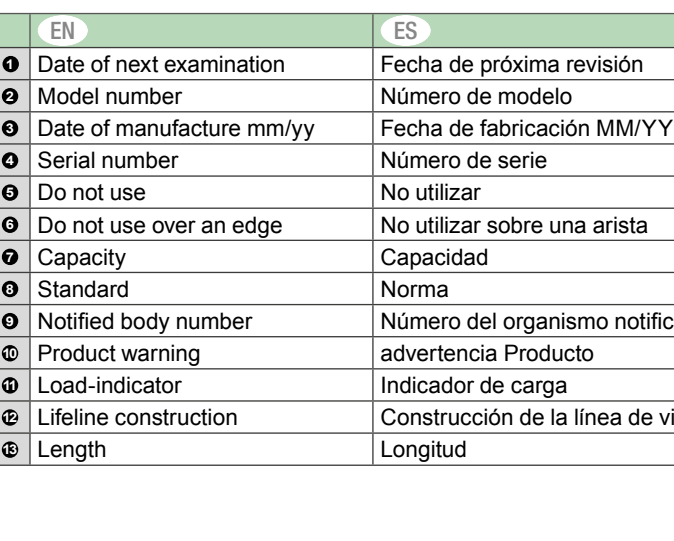
EN Component/	EN/IRAM/NBR	ANSI/OSHA	CSA
Anchorage connector standard Norma del conector de anclaje Connecteur d'ancrage standard Conector de ancoragem padrão	EN 795 and / or TS 16415	ANSI Z359.1	CSA Z259.13 / CSA Z259.15
Harness Standard Norma del arnés Harnais standard Arnês padrão	EN 361	ANSI Z359.1 or ANSI Z359.13	CSA Z259.10
Connectors Standard Norma de los conectores Connecteurs standard Conectores padrão	EN 362	ANSI Z359.1 or ANSI Z359.12	CSA Z259.12
Structure Strength Resistencia de la estructura Résistance de la structure Resistência da estrutura	12 kN	16 kN (3600 lbs) or ANSI certified 22.5 kN (5060 lbs) non-certified	22.5 kN (5060 lbs)



A CASE / CARCASA / BOTIERE / CAIXA



B CABLE / CABLE / CÂBLE / CABLE



Product Marking/Marcado del producto/Marquage du produit/ Marcação no Produto

EN	ES	FR	PT
1 Date of next examination	Fecha de próxima revisión	Date du prochain entretien	Data da próxima inspeção
2 Model number	Número de modelo	Numéro de modèle	Número do modelo
3 Date of manufacture mm/yy	Fecha de fabricación MM/YY	Date de fabrication MM/YY	Data de fabrico MM/YY
4 Serial number	Número de serie	Numéro de série	Número de série
5 Do not use	No utilizar	Ne pas utiliser	Não utilizar
6 Do not use over an edge	No utilizar sobre una arista	Ne jamais utiliser au-dessus d'un rebord	Não utilizar sobre arestas
7 Capacity	Capacidad	Capacité	Capacidade
8 Standard	Norma	Standard	Norma
9 Notified body number	Número del organismo notificado	Numéro de l'organisme notifié	Número de organismo notificado
10 Product warning	advertencia Producto	Avertissement de produit	Advertência do produto
11 Load-indicator	Indicador de carga	Indicateur de charge	Indicador de carga
12 Lifeline construction	Construcción de la línea de vida	Construction des lignes de vie	Fabrico da linha de vida
13 Length	Longitud	Longueur	Comprimento

Warranty details
Full terms and conditions can be found at www.latchways.com/warranty.

Date of first use: The date the unit is removed from the packaging.

Date of first use* dd / mm / yy

2 Intended use and product limitations

V-TEC SRLs are intended to be used as a connecting element between a full body harness and anchor point (see Table 1 for system requirements). A full body harness is the only acceptable body holding device to be used with a V-TEC SRL. If supplied as part of a complete system, components shall not be substituted. The V-TEC SRL is only to be used

for its intended purpose and within its limitations. Further clarification can be obtained from MSA Latchways.

- For use in accordance with acceptable locations (Table 4) – Do not use over an edge or in a situation where a fall would result in contact with an edge.
- For single User only within the weight range 60 - 140 kg (130 - 310 lbs) (including tools). Suitable for use up to 181 kg (400 lbs) (including tools) under OSHA only.
- The V-TEC SRL must be protected from sharp edges, abrasive surfaces, fire, acids, caustic solutions, or temperatures outside the range -40 °C to 54 °C (-40 °F to 130 °F).
- The lifeline shall not come into contact with hot surfaces (such as hot pipes); become entangled with moving machinery; or contact with electrical hazards (such as power lines).
- Unsuitable for use on unstable surfaces, fine grain materials or particulate surfaces such as sand or coal.
- Additional lanyard connectors shall not be connected, as this would serve to lengthen the lifeline and increase freefall.

3 Installation and use

A written rescue plan and the means to implement it shall be in place to deal with emergencies that may arise during use. This V-TEC SRL shall be connected to an anchor point. The connector shall be connected to a designated fall arrest attachment of a full body harness. Ensure both V-TEC SRL connectors are compatible with the attachments to which they are connected (to prevent roll-

out), and are fully closed and locked before use. See Table 1 for system requirements.

Ensure the V-TEC SRL is attached to a compatible anchor – flexible anchors, such as anchor lines or cantilever structures can affect the ability of the V-TEC SRL to lock-on in the case of a fall. For further clarification, contact MSA Latchways. In use, the V-TEC SRL lifeline will extract and retract without hesitation. Do not allow the lifeline to pass through legs or under arms, or wrap around structure. If the lifeline does not retract in use, fully extract the lifeline and slowly allow it to retract. If the lifeline continues to hesitate in retraction, contact MSA Latchways. When not in use, store with the lifeline fully retracted as prolonged periods of full extraction may weaken the retraction spring. If the lifeline is released, the retraction dampener will prevent excessive speed and protect internal parts from damage. The connector may still strike objects in its path, causing damage to those objects and to the connector.

4 Fall clearance

Ensure sufficient clearance exists to prevent striking an obstacle or leading edge (eg crossbeams and girders) during a fall, insufficient clearance, obstructions and leading edges can prevent the function of the V-TEC SRL. To reduce the risk of a swing fall, where striking objects can cause serious injury, it is preferable to anchor directly above the User. The minimum fall clearance is 3 m (Table 4). Fall clearance is calculated as the vertical distance between the working platform and the first obstacle below (such as the next platform or ground). Working limits vary based on anchor location as shown in Table 4.

If the V-TEC SRL is attached to an anchor that may deflect or deploy in a fall, such as a deadweight anchor or anchor line, the additional deployment of that device shall be added to the minimum clearances specified in Table 4. To reduce the potential for injury in a fall, the fall distance should be minimised.

5 Cleaning maintenance and storage

If required, the V-TEC SRL exterior and lifeline may be cleaned using a damp cloth and warm water (max 40 °C), and allowed to dry naturally before use. Excessive build-up of dirt, paint etc. can compromise both retraction and strength of the lifeline. Store or transport the V-TEC SRL in a cool, dry, clean environment, away from dust, oil and direct sunlight. During transportation, the device shall be protected to prevent damage or contamination. Examine the V-TEC SRL after long periods of storage prior to returning it to service.

6 Pre-use checks and periodic examination (Table 2)

The safety of the User relies upon the continued efficiency and durability of the equipment therefore pre-use checks shall be completed before each use. Periodic examinations shall be completed by a person, other than the User, competent in the examination of V-TEC SRLs, in accordance with the manufacturer's instructions. The interval will be dictated by the usage (Table 5), local regulations or environmental conditions and will be at least annually. Record shall be kept of the results of the examination. An example periodic examination log can be downloaded at www.latchways.com/examination_log.

