

# TARGETED PREVENTION PLAN FOR THE RISK OF OVERTURNING AGRICULTURAL VEHICLES



Regional Prevention Plan 2020/2025





#### INDEX

•	TARGETED PREVENTION PLAN SUMMARY	4
•	GOALS	5
•	PROTOCOL	5
•	GOOD PRACTICES TO PREVENT THE RISK OF AGRICULTURAL VEHICLE OVERTURN	6
•	SELF-ASSESSMENT FORM	22









# Targeted prevention plan summary

Tractors are one of the most used vehicles **in agriculture**, **both for transport or to reach the work area on roads/company roads or in the open field** as an operating machine and at a standstill as a tractor for equipment (wood splitter, circular saw, etc.); it is by far the vehicle most involved in rollover cases (45%).

Although the fleet of agricultural machinery in the regional territory is sufficiently upto-date, especially in the geographical areas of the plains where monocultures prevail, we still too often witness serious and fatal accidents due to agricultural vehicle overturns. The determinant of such events is often the "human factor", understood as procedural errors or incorrect practices (e.g. improper use of agricultural equipment without preliminary assessment of the environmental risk factors). Furthermore, elderly workers or elderly people, are often involved, putting consolidated bad practices before the norms dictated by the standards and technical prescriptions of the manufacturers of the machines used.

**In addition, the agricultural** sector presents characteristics that make controls more difficult and less effective: the fragmentation of businesses, mostly small or very small in size, the increasingly large presence of self-employed workers (with risks of interference with working procedures), the high turnover of the workforce, seasonality of work, large use of foreign labor, age of the working population, the presence of workers employed irregularly (part-time or voucher work, to the detriment full-time paid employment).

These factors can undermine the effectiveness of controls based on case-by-case interventions, also when considering the continuous change in risk situations, making it necessary to search for effective strategies across the entire sector. Studies show that the smaller the size of a company is associated with a lower adherence to company rules and procedures.

There are often training gaps, less contact between companies and control bodies. There may also be an information gap with respect to support initiatives and control analyses.

Therefore, and in light of the objectives of the "PP07 Prevention in Construction and Agriculture Programme", we intend to implement structured control and support strategies, such as the Targeted Prevention Plan (TMP).

Through the TMP, companies are involved in a process that combines support activities - understood as real involvement of companies - and control actions for the prevention of accidents and professional illnesses, with the ultimate goal of gradually raising the level of prevention and safety measures in the sector as a whole.

It is of fundamental importance to support employers in the process of selfassessment regarding the level of safety in the company.

In the implementation of the TMP it is necessary to involved all players, including the Regional Coordination Committee, pursuant to art. 7 Legislative Decree 81/2008.

# Goals

The Targeted Prevention Plan involves agricultural companies in the Umbrian territory through a process of self-evaluation and improvement, it aims to address the risk of vehicle overturns, reducing the most serious and mortal accidents.

# Protocol

The TMP requires that occupational risks or critical issues underlying the dynamics of accident occurrence, especially serious and fatal ones, be identified. Then the WORKING ENVIRONMENT PREVENTION AND SAFETY SERVICES (PSAL) of the local health authorities in agreement with the trade associations defined the measures to prevent the risks and adopted it as good practices.

The companies are then invited to attend public seminars and to evaluate their action on the topics discussed by completing a specific form to be returned to the PSAL Services of the Local Health Units.

In the subsequent phase, controls will be carried out in a sample of companies.

In summary, the TMP follows the phases set out below:

- 1.Elaboration of the document "Good practices to prevent the risk of agricultural vehicleoverturn" and the self-assessment form for companies. The document was prepared by the Working Group made up of PSAL Services, USL Umbria 1 and USL Umbria 2 personnel, established pursuant to Management Resolution no. 2605 of 03/14/2022;
- 2.Participation and sharing of the above documents with the stakeholders (trade associations) interested in the project and acquisition of observations/suggestions/reflections;
- 3.Presentation of the TMP and the tools produced to the Regional Coordination Committee for health and safety in the workplace, according to art. 7 Legislative Decree 81/2008;
  - Points 1), 2), 3) by December 2022
- 4. Annual report on the project (by January 2023);
- 5. Preparation of the informative letter about the TMP, with the above documents attached, to be sent to the selected local agricultural companies;
- 6. Training seminars for agricultural companies;
- 7.Verification by the PSAL Services of the data reported in the self-assessment and data processing forms;
  - Points 5) 6) 7) by 2023
- 8. Annual project report (by January 2024)
- 9.On-site control in a sample of companies to verify the application of the good practices set out in the document noted above;
  - Point 9): years 2024-2025
- 10. Annual report on the project (by January 2025);
- 11.Drafting of the final report with results to be presented to stakeholders (by January 2026).

# Good practices to prevent the risk of agricultural vehicle overturns

When using agricultural vehicles the risk of overturning is always very high, withcritical risks being:

• failure to use correct procedures that take into account the factors most **common linked to the risk of overturning such the condition of the vehicle and its use**;

- absence/failure to use the necessary protective devices (driver protective structures and seat belts);
- grip of tires on different ground surfaces is another critical element. As an example, the adhesion coefficient of a wheeled tractor on a dirt road is 0.60, on a seedbed it is 0.25.

A rollover accident can occur in various ways:

#### Lateral lying

Lateral lying means a vehicle turned on its side which accounts for 75% of rollover cases.

Some precautions can be taken to avoid this type of accident:

- follow the direction of the maximum slope whenever possible, avoid crossing the slope;
- avoid holes, depressions, ditches whenever possible;
- avoid climbing over trunks or rocks that could cause the machine to lose balance;
- cantilevered equipment must always be kept uphill of the machine;
- avoid dangerous maneuvers such as sudden steering or braking;
- when going downhill you must use the engine brake, engaging the gear you would use to go uphill before tackling the slope to prevent acceleration of the tractor and avoid using the mechanical brake alone.

If lateral lying occurs several times consecutively, causing the tractor to turn more than 180°, it is called continuous rolling.

#### Wheelie and front rollover

Wheelies and front overturns refer to situations of instability relating to the direction of travel and represents 25% of cases of overturning, involving the loss of front or rear wheel grip, leading to tractor overturns.

Some precautions can be taken to avoid this type of accident:

- when towing heavy loads it is always a good idea to add weight to the front of the vehicle as a counterbalance;
- loads must be towed using exclusively the bar approved by the manufacturer, appropriately fixed to the tow hook;
- when traveling up a slope, always keep the load uphill;
- never use the tractor with the clutch disengaged or with the gear in neutral.



Lateral lying



Wheelie



Front reversal

#### Measures to prevent the risk of overturns

This document focuses on the prevention of the risk of tractor overturns, the vehicle most associated with such accidents.

However, the use of other self-powered machinery on wheels such as harvesters, tobacco harvesters and self-propelled sprayers is also associated with the same risks as tractors.

#### **Safety devices**

All agricultural and forestry tractors must be equipped with safety devices capable of minimizing

the consequences of a possible accident.

In particular:

• driver protection structures in case of overturns, to guarantee a safe space for the driver, thiscan be of two types:

- closed cabin
- chassis with two **uprights** positioned in front or behind the driver's seat, generally with partial or total folding, or with four uprights;
- seat belt for the driver's seat and for any passenger seat



Approval of the protection structure is mandatory. Tractosr cannot be sold or registered if not in compliance with this

Approval details must be shown on the chassis or cab, on a riveted or glued plate, placed in a plain sight.



Tractors without these devices can be adapted according to the Guidelines set-out by INAIL in 2014, which identify the construction requirements of the protection devices in the event of overturns, relevant instructions and procedures are provided for the construction and application of agricultural or forestry tractors already placed on the market for the following categories:

1.narrow-track wheeled tractors;

provision.

- 2. standard wheeled tractors;
- 3.caterpillars.

A certificate of conformity must be issued by the manufacturer of each protective structure to certify its compliance with the technical indications given in the INAIL Guidelines (Annex III). The user must keep the certification on-hand, together with a declaration of correct installation of the protective e structure, drawn up by the installer (Annex IV).

For the purpose of fulfilling road traffic requirements, it is not obligatory to update the tractor's registration certificate following the installation of a protective structure



When retrofitting an agricultural tractor by installing the above devices, a **declaration of conformity** by the manufacturer and the installer must be obtained. These declarations must be retained.

The declarations of correct installation, according to the INAIL Guideline, can be signed by the authorized workshops or by the agricultural company itself, which in this case will appear and respond as the installer. In the event that the tractor is approved and equipped with a protective structure from the outset, but has had it removed, the installation of a new structure needs to meet the requirements set out in the INAIL guideline. is permitted only if the original protective structure, is no longer commercially available.

The declaration of commercial non-availability of the original protective structure (Annex V) must be requested from the tractor manufacturer or one of it's "representatives" such as the retailer.

A protective structure is considered commercially unavailable if the above declaration is not produced by the tractor manufacturer within 30 days of the request or if expressly indicated in the official spare parts catalog of the tractor manufacturer. In this case it is necessary for the user to sign a commercial unavailability declaration in lieu of an affidavit pursuant to Article 47 of Presidential Decree 445 of 28 December 2000 (Annex VI).



Only authorized workshops, pursuant to law no. 122 of 5 February 1992 which regulates self-repair activities, can install ROPS protection devices: there is a register of companies carrying out self-repair activities and onlythose registered can perform this activity.

In derogation of law no. 122, 5 February 1992, Legislative Decree no. 9, 29 March 2004 provides, in art. 14 paragraph 12, that farms with specific workshops can equip their tractors with the safety devices in question, strictly following the INAIL guidelines.

#### Training

To drive the tractor, or other agricultural equipment among those indicated in the State-Regions Agreement of 22 February 2012, a specific **operator qualification** is required and can be obtained through participation in an 8-hour theoretical and practical course for wheeled or caterpillar tractors. To obtain the qualification for all types of tractors, there is a 13 hours course.

The above qualification must be updated within 5 years from the date of issue of the certificate.

#### Technical annex use and maintenance manual

All agricultural tractors/agricultural machines are provided with the registration certificate, the technical annex and the use and maintenance manual, wherein the manufacturer illustrates all the information necessary to obtain better performance and work safely.

The use and maintenance manual and the technical annex must be provided upon purchase by the manufacturer, dealer or private seller, even if the equipment is used. For example, the technical characteristics of the tires that can be fitted, to safely carry out the various processes, are indicated.

If the use and maintenance manual and the technical annex are not sufficient to clarify the problem related to the maintenance and repair of the machine, you should not hesitate to consult the dealer and/or the manufacturer. Other useful documents such as technical (or workshop) manuals and spare parts catalogs are available upon request from these entities.

It must be kept in a well-known and easily accessible place for easy consultation.



At the time of purchase **carefully read the use and maintenance manual and the technical annex** and consult them whenever doubts arise regarding use of the equipment or if you are about to carry out maintenance or repairs on the vehicle.

### EXTRACT OF TECHNICAL ANNEX with information regarding the type of tires that can be used, towable mass, tow hook, applicable ballast and more

#### Maintenance

The vehicle must undergo regular maintenance, to be carried out as indicated in the use and maintenance manual.

	Costudare			SAUERMAN	N COM		THE PARTY NAMES OF	CALCER OF A
	Tipo			HS 345-G	GTB3002	7	2244-3895LD	A perce face
	Categoria			A perio, fiss	0 8473 0 13	ing	+ 150 6489-51	v (150 6489-5)
8				2 [50 6489-	SI Barra - Cas		113 85	75 NN
ž.,	D-(NYT)\$*			300	900		\$555	2000
88	S (kg)*			2300	1999	-		-1.005478/0
õ.	Omologazione CE/U	E		e1 00220N	s e3 30096h	«S	#1 00545ND	e1 00943ND
3				210	8.645		0.685	0,665
	Sbalzo (m)	15	and the second s	1,054	1,005		1.060	1,065
	Aftezza max (m)	190	szione superiore	0.445	0.545		0.520	0,525
		1996	Lizione intentore	3500	5500		3500	5550
- 2	Priva di treni				5000		5000	5000
30	Meccanica			5000	16000		16000	16000
일문	Ad inerzia			19000	10000		34000	34000
38	Mata e automatica i	draufica a doppia	livea	2000			2000	14000
25	Mata automatica idr	aulica singola live	N8 (CUNA)	2000	1000	_	34900	34500
- 2	Mista e automatica p	pheumatica		2000	100.000	100	10	10 /
chioni acco	uppiabili (categorie)	_	CE / UE / ECI	1 12	114(14)	20	13	12-
_			CUNA	1 73				
	12 out- disca			C8M				
	Tes			3244-5895	LD			
	100			A permo, fa	60			
	Campona	-		* 150 5489	- 5			
5	IN CALL WORK			50 kN				
fl w	O [ANOTID*			100				
88	5 (40)*	-		1,00				
ğ	Omologatione CEA	Omologazione CEAIE			0			
8				175				
-	Sbalzo (m)			0.835				
	Aferza max (m)	24	sizione superiore	1,079				
		P	storethi enorces	0,530				
. 9	Priva di treni			3500				
1.5	Meccanica			5000				
2.5	Ad inerzia			11800				
28	Mata e automatica	idraulica a doppi	a linea	11800				
38	Mata adomatica M	trautica singola lin	rea (CUNA)	6000				
×8	Minta e automatica	preumatica		11800				
which are	conclubili (calestoria)	1	CE/UE/EC	(E) 3:				
CONVERSION BOX	coldenness (cound-could	-	CUNA	E, E2, E	3			
INTE PER 1) ISO 1) ISO 1) ISO 1) ISO 1) ISO	chiable massima su b GLI ORGANI DI TRAS 5092-3 (aneli di aggar 5092-3 (aneli di aggar 5092-3 (aneli di aggar	NO ncio girevoli a form ncio girevoli a form ncio girevoli a form	na di X foro di 35 m na di Y foro di 50 m na di Z foro di 68 m	un) un)				
INTE PER 10 ISO 10 ISO 10 ISO 10 ISO 10 ISO 10 ISO 10 ISO	chiabile massima su b GLI ORGANI DI TRAI 5012-3 (anelii di agga 5012-3 (anelii di agga 5012-3 (anelii di agga 5012-3 (anelii di acco 8755 (occhione del fir	NO ncio girevoli a for ncio girevoli a for ncio girevoli a for opiamento attacc none di 40 mm)	na di X foro di 35 m na di Y foro di 50 m na di 2 foro di 68 m o di 40 mm)	im) im) In source ISO (485-3 e for	na di A = non automatice)			
AUTE PER 10 150 10 150 10 150 10 150 10 150 11 150 11 150	rchiabile massima su b GLI ORGANI DI TRAJ 5692-3 (anelli di logga 5692-3 (anelli di logga 5692-3 (anelli di agga 5692-3 (anelli di agga 5692-2 (anelli di agga 5692-2 (anelli di agga 5692-2 (anelli di ano 8755 (occhiane dei lin 1 1122 (occhiane dei lin	NO ncie girevoli a form ncie girevoli a form ncie girevoli a form ppiamiento attacci none di 40 mm) none di 50 mm, ci	na di X foro di 35 m na di Y foro di 50 m na di Z foro di 68 m o di 40 mm) ompetibile solo con	vn) vn) Ita norma tSO 6485-2 e for	na di A – non automatice)			
KOTE PER 3) 150 4) 150 5) 150 5) 150 7) 150 7) 150 7) 150 7) 150	chiabile massima su b GLI ORGANI DI TRAJ 5092-3 (anelli di agga 5092-3 (anelli di agga 5092-3 (anelli di agga 5092-2 (anelli di agga 5192-2 (anelli di acco 8755 (occhione del lin 1102 (occhione del lin 5592-3 (anelli di agga	NO ncie girevoli a form ncie girevoli a form ppiamente affact mone di 40 mm) none di 50 mm, ci ncie girevoli a form	na di X foro di 35 m na di Y foro di 55 m na di Z foro di 68 m o di 40 mm) ampatbile solo con na di X foro di 35 m	vm) vm) vm) ila norma tSO 6489-2 a for vm)	na di A = non automatice)			
IOTE PER 13 ISO 40 ISO 50 ISO 51 ISO 71 ISO 130 ISO 131 ISO 140 ISO	rchiable massima su b GLI ORGANI DI TRAJ 5002-3 (anelii di apga 5002-3 (anelii di apga 5002-3 (anelii di apga 5002-2 (anelii di apga 5002-2 (anelii di apga 1102 (occhiane del fin 1102 (occhiane del fin 5002-3 (anelii di apga 5002-2 (anelii di apga 5002-2 (anelii di apga	NO ncio girevoli a forn ncio girevoli a forn ppiamento attacco none di 40 mm) none di 50 mm, ci ncio girevoli a forn ppiamento attacco	na di X foro di 35 n na di Y foro di 50 n na di Z foro di 68 n o di 40 mm) sepatbile solo con na di X foro di 35 n o di 40 mm)	vm) vm) Ita norma ISO 6489-2 a for vm)	na di A – non automatice)			
ACTE PER 33 150 40 150 53 150 53 150 53 150 73 150 150 150 151 150 151 150 151 150	chiable massima su b GLI ORGANI DI TRAI 5092-3 (aneli di logga 5502-3 (aneli di agga 5502-3 (aneli di agga 5502-3 (aneli di agga 5575 (occhiane del lin 8775 (occhiane del lin 5502-3 (aneli di agga 5502-3 (aneli di agga 5502-3 (aneli di agga	NO nois girevoli a form nois girevoli a form nois girevoli a form nois girevoli a form poisamento attacci none di 50 mm, ci nois girevoli a form pojsamento attacci mone toro di 40 m	na di X foro di 35 m na di Y foro di 50 m na di Z foro di 68 m o di 40 mm) senpatibile solo con na di X foro di 35 m o di 40 mm)	vm) vm) ita porma ISO 6489-2 a fon vm)	na di A – non automation)			
ACTE PER 15 150 15 1	chiable massima su b GLI GRGANE DI TRAM 5052-3 (anelii di apga 5052-3 (anelii di apga 5552-3 (anelii di apga 5552-3 (anelii di apga 8755 (occhiane del in 1102 (occhiane del in 1102 (occhiane del in 1102 (occhiane del in 2552-3 (anelii di apga 5552-3 (anelii di apga 5552-3 (anelii di apga 2555) (occhiane del in 2755 (occhiane del in 2434)-2005 (diametri	NC ncio girevoli a form ncio girevoli a form ocio girevoli a form opiamento attacco none di 40 mm, o ncio girevoli a form opiamento attacco ncio girevoli a form opiamento attacco o della sferra di 80	na di X foro di 35 m na di Y foro di 50 m na di Z foro di 68 m o di 40 mm) ampatibile solo con na di X foro di 35 m o di 40 mm) m) mm)	vm) vm) vm) las norma ISO 6489-2 a for nm)	na di A = non automatico)			
ACTE PER 3) 150 4) 150 5) 150 5) 150 5) 150 7) 150 7) 150 7) 150 110 150 (10) 150 (10) 150 (20) 150 (21) 150	chiable massima su b GLI ORGANI DI TRAI 5002-1 (aneli di logga 5502-1 (aneli di agga 5502-1 (aneli di agga 5502-1 (aneli di agga 5525 (occhiane del li 1102 (occhiane del li 5502-2 (aneli di agga 5502-2 (aneli di agga	NO nois girevoli a form nois girevoli a form nois girevoli a form oppiamente attacc none di 50 mm, ci nois girevoli a for none di 50 mm, ci nois girevoli a form oppiamente attacc none toro di 40 mm della state di 80 ancio foro di 50 m	na di X foro di 35 m na di X foro di 55 m na di Z foro di 68 m o di 40 mm) ampatbile solo con na di X foro di 35 m o di 40 mm) m) mn) mn)	vn) vn) Ia norma 190 6485-2 a fon vn)	na di A = non automatice)			
ATTE PER 15 150 15 1	chiable massima su b GLI CRCANE DI TRAM 5002-3 (aneli di apga 5002-3 (aneli di apga 20125) (soctione del la 20125) (soctione del la 20125) (soctione del la 20126) - 1 (aneli di apga 5002-1 (aneli di apga 5002-1 (aneli di apga	NO ncis piravoli a forn ncis piravoli a forn ncis piravoli a forn oppiramento attacci nane di 50 mm, ci ncis piravoli a forn oppiramento attacci oppiramento attacci opiramento attacci op	na di X foro di 35 m na di Y foro di 50 m na di Z foro di 60 m o di 40 mm) smpatbila solo con na di X foro di 25 m oli 40 mm) mih ma di Y foro di 50 r	eng eng eng ita norma tSO 6485-2 a fon eng edo di 30 mmg nmg	na di A = non automation)			
ATTE PER 3) 150 4) 150 5) 150 5) 150 5) 150 13) 150 13] 150 13] 150 13] 150 13] 150 13] 150 13] 150 13] 150 150 150 150 150 150 150 150	chiable massima tu b GLI CRGANI DI TRAJ 5052-3 (anelli di agga 5052-3 (anelli di agga 5052-3 (anelli di acco 8755 (occhiane dei lin 5552-3 (anelli di acco 5552-3 (anelli di aggi 5552-3 (anelli di aggi 2552-2 (anelli di aggi 2552-3 (anelli di aggi 2552-3 (anelli di aggi 5552-3 (anelli di aggi 5552-3 (anelli di aggi 5552-3 (anelli di aggi 5552-3 (anelli di aggi	NO noic girevoli a forn noic girevoli a forn oppiamento attacc none foro di 40 mm, optiamento attacc none foro di 40 m ancio girevoli a for ancio girevoli a for ancio girevoli a for	na di X foro di 25 m na di Y foro di 50 m na di Y foro di 50 m na di Z foro di 61 m o di 40 mm) sungatbile solo con ad 51 foro di 35 m maj maj maj maj maj maj maj maj maj ma	uni) uni) uni la norma ISO (485-2 a fon uni) adio di 30 mm) ani) ani)	na di A – non automatico)			
ATTE PER 3) 150 4) 150 5) 150 5) 150 5) 150 15) 150 15) 150 15) 150 15] 150	Childele massima su b GLI CRCANI DI TAM 5902-3 (aneli di logga 5902-3 (aneli di agga 5902-3 (aneli di agga 5902-3 (aneli di agga 8555 (sochiane del la 5952-3 (aneli di agga 5952-3 (aneli di agga 5952-3 (aneli di agga 5952-3 (aneli di agga 5955) (sochiane del la 5955 (sochiane del la 5955 (sochiane del la 5955 (sochiane del la 5955) (aneli di agga 5952-3 (aneli di agga	NO ncic giravoli a forn ncic giravoli a forn ncic giravoli a forn pojamento attorci pane di 50 mm, or pojgiamento attorc mone foro di 40 m o della sifera di 50 monio giravoli a for ncic giravoli a for ncic giravoli a for ncic giravoli a for ncic foro di 50 m ncic foro di 50 m	na di X foro di 35 m na di X foro di 35 m na di Y foro di 50 m o di 40 mm) ampatble solo con na di X foro di 25 m o di 40 mm) mgi mgi mgi mgi mgi mgi danetro dell'an n, danetro dell'an n, danetro dell'an	enij nnj nnj elio di 30 mm) elio di 30 mm) mm) uelo di 30 mm) dio da 30 mm) dio da 30 mm)	na di A = non automatico)			
IOTE PER 3) ISO 4) ISO 5) ISO 5) ISO 5) ISO 7) ISO 70 I	Childelle massima su b GLI CRCARN DI TRAM- 5002-3 (smell di agga 5002-3 (smell di agga 2003-3 (smell di agga 5003-3 (smell di agga	NO ncio piervoli a form ncio piervoli a form ncio piervoli a form ncio piervoli a form sone di 50 mm, ci ncio piervoli a form popiamento attacci ncio piervoli a for ancio foro di 50 mm ncio foro di 50 mm ancio foro di 50 mm ancio foro di 50 mm ancio foro di 50 mm ancio foro di 50 mm	na di X foro di 35 m na di Y foro di 50 m no di ali Z foro di 60 m na di X foro di 60 m ma di X foro di 35 m ma di X foro di 50 m ma di Y foro di 50 m, diametro dell'an ma di Y foro dell'an ma di Y foro dell'an	unij uni) uni te norma ISC 6485-2 a fon unij unito di 30 mmij unito di 30 mmij unito da 30 a 41 mmij unij	na di A – non automatico)			
IOTE PER 13 ISO 14 ISO 15 I	chiable massima su b GLI CRCAAN DI TRAN- 5902-3 (areal di agan 5902-3) (areal di agan 5902-3) (areal di agan 5902-3 (areal di agan 5902-3 (areal di agan 5902-3 (areal di agan 5902-3 (areal di agan 2905-1 (areal di agan 5905-1 (areal di agan 5905-1 (areal di agan 5905-1 (areal di agan 5905-2 (areal di agan	NO nicio pievola a form nicio pievola a form nicio pievola a form nocio pievola a form nocio pievola a form nocio pievola a form nicio pievola a forma nicio pievola a formanico forma della silenza 46 50 monito forma di 50 me nicio pievola a forma nicio pievola 30 me nicio pievola 10 me nic	na di X foro di 35 m na di X foro di 35 m na di Y foro di 50 m o di 40 mm) ampatble solo con na di X foro di 36 m m) m, diametro dell'an n, diametro dell'an n, diametro dell'an n, diametro dell'an n, diametro dell'an na di Y foro di 50 m na di Y foro di 50 m	enij enij ila norma tSO 6488-2 a for enij elio di 30 mmij elio di 30 mmij elio da 30 mmij elio da 30 a 41 mmij enij elio da 44 mmij elio da 44 mmij elio da 44 mmij elio da 44 mmij	na (j A - nor automatice) Chi VERTICALI MASSIM	I AMMISSIB	LI SUI GANCI DI TRA	avo
IOTE PER 13 ISO 14 ISO 15 ISO 15 ISO 15 ISO 13 I	Childee massima su b GLI CREANI DI TRAN 58023 Speele di aggia 58023 Guerdi di aggia 58023 (Laveli di aggia 58022 Curvell di acco 5855 (Loccione dei la 1102 (Loccione dei la 1102 (Loccione dei la 1102 (Loccione dei la 1555 (Loccione dei la 24347 2005 (Sameti 58023 (Laveli di aggi 58023 (Laveli di aggi 58023 (Laveli di aggi 58023 (Laveli di aggi 2003) (Laveli di aggi 2004) (Laveli di aggi 2005) (Laveli di aggi 2004)	NO ncio ginevoli a form ncio ginevoli a form ocio ginevoli a form ocio ginevoli a form one di 50 mm, ci ncio ginevoli a form one di 50 mm, ci ncio ginevoli a for ancio toro di 50 m ancio foro di 50 m ancio foro di 50 m ancio ginevoli a for ancio foro di 50 m ancio foro di 50 m ancio ginevoli a for ancio foro di 50 m	na di X foro di 35 n na di Y foro di 50 n o di 40 mm) ampatbala solo di 61 n o di 40 mm) ampatbala solo di 51 n, diametro dall'an ma di Y toro di 50 n, diametro dell'an ma di Y foro di 50 m PUN2204E 0012	vnij vnij vnij vla norma ISO 6485-2 a fon vnij velo di 30 mmij velo di 30 mmij	na di A - non automatico) CHI VERTICALI RASSIM TECNICAMENTE	I AMMISSIÐ	LI SUI GANCI DI TRA	avi
IOTE PER 13 ISO 14 ISO 15 I	chiable massima su b GLI CRCARM IDI TRAM 5902-3 (anell Gi agan 5902-3) (anell Gi agan 5902-	NO ncic ginevoli a form ncic ginevoli a form ncic ginevoli a form oppiamento attacco mone di 40 mm, ci ncic ginevoli a forn ncic ginevoli a for ncic ginevoli a for odda stiera di 50 ancio foro di 50 m ancio foro di 50 m ancio ginevoli a for ancio ginevoli a for ancio ginevoli a for filmancio ginevoli a for ett. AMMISSIBILI I PNEUMATICI PNEUMATICI	na di X foro di 35 m na di Y foro di 50 m na di Y foro di 50 m o di 40 mm) ampatbile solo con na di X foro di 30 m m) m, danetro dell'am n, danetro dell'am n, danetro dell'am n, danetro dell'am nd Y foro di 50 N FUNZIORI	enj mj mj sto si 30 mmj eto si 30 mmj eto si 30 mmj eto si 30 mmj mnj La Gostan Turka - CARD Maria Ala Sana Administra - Sana	na di A - non avionatico) Chi <u>VERTICALI MASSIMI</u> TECNICAMENTE TECNICAMENTE	I AMMESSIB	LI SUI GANCI DI TRA	80
OTE PER 3) 150 4) 150 5) 150 5) 150 5) 150 5) 150 7) 150 70 100 70 150 70 15	Childele massima su b GLI CREANI DI TRAVI SEG23 (anexil di aggin SEG23 (anexil di aggi SEG23 (anexil di a	NO nicio ginevoli a form nicio grevoli a form nicio grevoli a form popiamente attacci nicio grevoli a form appiamente attacci none dio 40 mm) none di 50 mm, o nicio grevoli a for ancio foro di 50 m ancio foro di 50 m nicio foro di 50 m ancio grevoli a for ancio foro di 50 m ancio grevoli a for ancio foro di 50 m	na di X foro di 35 n na di Y foro di 50 n o di 40 mm) ampatbala solt otto di 8 n o di 40 mm) ampatbala solt otto di 8 n n, dametro dall'an ma di Y foro di 50 n m, dametro dell'am ma di Y foro di 50 n N FUNZIONE DEI POSTERIORI	ni) ni) ni) alo di 30 mmi mi) alo di 30 mmi alo di 30 mmi	na di A - non automatico) con viertica il Mastema Tecnocamente les Aste 2005 (27)	I AMMISSIBI	LI SUI GANCI DI TRA	80
IOTE PER 13 ISO 4 ISO 5 ISO	Clubele massime up b Clubele massime up b Clubele Annual III (Marchine Clubele Sector 3 (arrel 6 ingate Sector 3 (arre	NO NO concipievola a form concipievola a form	na di X foro di 25 n na di Y foro di 50 n na di Y foro di 50 n na di X foro di 50 n o di 40 mm] ampatble solt oto di 5 n a di 40 mm] mm a di X foro di 50 n ma di Y foro di 50 n POSTERIORI Indice di Carlo I	ani no ila noma ti O (446-2 a fon noj esto di Xo me) esto di Xo me) di di di Xo me) di di d	na di A - non automatico) Chi VERTICALI MASSIM TECNICAMENTE TECNICAMENTE MAX	I AMMISSIBI	LI SUI GANCI DI TRA	80
INTE PER 13 150 4 150 5 150	childe massima su b GLI DEGANE DI TINAN 500-3 [smell di loggi 500-3 [smell di loggi 500-3 [smell di loggi 500-3 [smell di loggi 500-2 [smell di loggi 500	NO NO considered a form considered a form consid	na di X foro di 35 m ad 47 foro di 50 m na di 2 foro di 50 m na di 2 foro di 60 m ad 62 mm) ang di 50 solo com na di X foro di 55 m ad 64 mm) mg mg mg mg mg mg mg mg mg mg mg mg mg	413 413 413 413 414 415 415 415 415 415 415 415	ng di A - non avtornatico) CHI VERTICALI MASSIM TECNICAMENTE (KASSEL ou 1900)	I AMMISSIBI	LI SUI GANCI DI TRA	an0
OTE PER 13 150 14 150 15 15	CLI ORIGANE DI TINAI       SOLO RIGANE DI TINAI       SOLO SI CANEL DI TINII       SOLO SI CANEL DI TINII	NO NO consideration of the second second constraints of the second second popularities of the second	na di X foro di 33 m na di X foro di 50 m o di 40 mm) unpetible solo tori an a di X foro di 50 m mini mini n, diametro dell'ari na di Y foro di 50 m na di Y foro di 50 m na di Y foro di 50 m Ni FURZIONE DEL PORTERIORI Indice di canto n 14) Ad	eni mi mi mi mi mi mi mi mi mi m	na di A – non automatico) CHI VERTICALI MASSIM TECNICAMENTE RASSE dati SOST (27) MASS SOST	I AMWISSIBI	LI SUI GANCI DI TRA	and
OTE PER 13 150 4) 150 5) 150 50 50 50 50 50 50 50 50 50	Childee massima su to A       GLI DRGARE DT TRAN       SIGO 2 (sent) di aggi       SIGO 2	NO NO NO NO NO NO NO NO NO NO NO NO NO N	na di X foro di 31 n na di X foro di 30 n di 40 mm) ng mm) ng ng ng ng ng ng ng ng ng ng thread di 10 n ng thread di 10 n n thread di 10 n thread di 10 n n thread di 10 n thread di 10 n n thread di 10 n n thread di 10 n thread di	413 413 413 413 414 415 415 415 415 415 415 415	na di A - non automatece) Cen VERTICALI MASSIM TECHCAMENTE (PASSE dat 1903 (27) 1903 1903 1903 1903	I AMMESSIB	LI SUI GANCI DI TRA	80
OTE PER 30 ISO 40 ISO 51 ISO 51 ISO 51 ISO 71 IS	ccl) color-back bit TheA       ccl) color-back bit TheA       setters 1, setters 1	NO mode a lancost en especial a lancost en especial a lancost es este de 40 mm2, es este de 40 mm2, es es este de 40 mm2, es es este de 40 mm2, es es es este de 40 mm2, es	ad X force di 33 m       ad X force di 30 m       ad X force di 30 m       ad X force di 40 m       aggatalia solo con di 40 m       aggatalia solo con di 5 m       ad X force di 50 m       mmi       mi       ad Y force di 50 mm       ad Y force di 50 mm       mai Y force di 50 mm       mai Y force di 50 mm       POSTERADRI       ride di 42 m       142 Ad       142 Ad       143 Ad	ni) ni) ni) alo di 30 mni) mi) alo di 30 mni) alo di 30	na di A - not autoratico] CHI VERTICALI BASSIM TECNICAMENTE ANA MAX 500 500 500	I AMMESSED	LI SUI GANCI DI TRA	80
COTE PER 30 ISO 40 ISO 50 ISO 51 ISO 51 ISO 51 ISO 71 ISO 71 ISO 71 ISO 71 ISO 73 ISO 73 ISO 73 ISO 74 ISO 73 ISO 73 ISO 74 ISO 75 ISO 73 ISO 73 ISO 74 ISO 75 I	Call Long Annu Russima sub       Sel20-3 (Long Annu Russima sub       Sel20-4 (Long Annu Russima sub       Sel20-5 (Long Ann	NO NO NO NO NO NO NO NO NO NO NO NO NO N	ta d X foro d 33 m ad X foro d 50 m ad 5 foro d 50 m ad 5 foro d 50 m ad 5 foro d 50 m ad 40 mm ad 40 mm b (daneto dd 20 mm ad 40 mm b (daneto dd 20 mm) ad 40 mm b (daneto dd 20 mm) ad 40 mm b (daneto dd 20 mm) ad 40 mm b (daneto dd 20 mm) b (	ani) ani) la noma tiO (446-2 a fan ani) abb di Xin mni) ani) abb di Xin mni) abb di Xin	na di A - non automatico) Chi VERTICALI MASSIM TECNICAMINITE TECNICAMINITE MAX 1400 500 500 500 500	I AMMISSIBI	LI SUI GANCI DI TRA	ao
COTE PER. 30 ISO 40 ISO 51 ISO 51 ISO 51 ISO 51 ISO 71	Clubble massima to be       021,000_AMB (2014)       5600-3 (smelf 61 apps)       5600-3 (smelf 61 apps)       5610-3 (smelf 61 apps)	NO recipient a function and the second and the seco	na di X foro di 35 m and di Y foro di 50 m ana 37 foro di 60 m ang attabas da to moni ang attabas da to moni ma di Y ton di 50 m POSTERIORI Indea di catto mi 149 AA 149 AA 149 AA 151 AA	eti eti a. noma ti Qi 648i-2 e fon eti a. do di 20 enni) eti a. do di 20 enni eti a. do di 20 enni eti a. do di 20 e fini eti a. do di 20 e fin	ng di A - non automatico) CHI VERTICALI MASSIM TECNICAMENTE VIII (27) 7001 (27) 7001 (27) 7000 7000 7000 7000 7000 7000 7000 7	I AMMESSED	LI SUI GANCI DI TRA	ar0
COTTE PER. 30 ISO 40 ISO 51	Col. LonGAM. EX. This       S012-3 (sentEl 4) space       S012-4 (sentEl 4) space       S012-3 (sentEl 4) space       S012-4 (sentEl 4) space       S012-3 (sentEl 4) space       S012-4 (sentEl 4) space       S012-4 (sentEl 4) space       S012-4 (sentEl 4) space       S013-4 (sentEl 4) space       S013-4 (sentEl 4) space       S014-4 (sentEl 4) space       S014-4 (sentEl 4) space       S014-4 (sentEl 4) space       S014-4 (sentEl 4) space <t< td=""><td>NO moto a susceria e de conserver a la motoria e la moto con parecia a funciona de la motoria a la motoria de la</td><td>te d X fors d 33 m as d X fors d 50 m as d 7 fors d 51 m as d 7 fors d 51 m as d 40 mm) m, dameto dell'am as d 40 mm a, dameto dell'am as d 40 mm as d 14 to d 50 m FUR2ICHE DEI Index d Carlos d 140 AB 148 AB 148 AB 151 AB</td><td>HI HI H</td><td>na di A - not Bubthalioti Chi VIATICALI MASSIM TICONCUMENTE NOS 1007 1007 1007 1007 1007 1007 1007 100</td><td>I AMMISSIÐ</td><td>LI SUI GANCI DI TRA</td><td>a0</td></t<>	NO moto a susceria e de conserver a la motoria e la moto con parecia a funciona de la motoria a la motoria de la	te d X fors d 33 m as d X fors d 50 m as d 7 fors d 51 m as d 7 fors d 51 m as d 40 mm) m, dameto dell'am as d 40 mm a, dameto dell'am as d 40 mm as d 14 to d 50 m FUR2ICHE DEI Index d Carlos d 140 AB 148 AB 148 AB 151 AB	HI H	na di A - not Bubthalioti Chi VIATICALI MASSIM TICONCUMENTE NOS 1007 1007 1007 1007 1007 1007 1007 100	I AMMISSIÐ	LI SUI GANCI DI TRA	a0
OTE PER 31 1500 41 1500 51	CLI ORGANE CALL     CLI ORGANE CALL       SED 2 (and GLANE CALL     SED 2 (and GLANE CALL <t< td=""><td>NO cost a sumon en cost a sumon en cos previs à la morcio general a morcio fanta del morcio fano de se del sumo de se de se</td><td>na di X foro di 35 m and di Y foro di 50 m an di 7 foro di 50 m an di 7 foro di 60 m angletible solo tori and 6 k foro and 6 k formal mi ma di Y foro di 50 m and 6 k foro di 50</td><td>HIG HIG SHOP AND AND AND AND AND AND AND AND AND AND</td><td>na di A - non automatori Celi VERTICALI BASSIM TECHCAMENTE ROST (27) ROST (27) ROST (27) Stoo Stoo Stoo Stoo Stoo Stoo Stoo Sto</td><td>I AMMISSIBI</td><td>LI SUI GANCI DI TRA</td><td>80</td></t<>	NO cost a sumon en cost a sumon en cos previs à la morcio general a morcio fanta del morcio fano de se del sumo de se	na di X foro di 35 m and di Y foro di 50 m an di 7 foro di 50 m an di 7 foro di 60 m angletible solo tori and 6 k foro and 6 k formal mi ma di Y foro di 50 m and 6 k foro di 50	HIG HIG SHOP AND	na di A - non automatori Celi VERTICALI BASSIM TECHCAMENTE ROST (27) ROST (27) ROST (27) Stoo Stoo Stoo Stoo Stoo Stoo Stoo Sto	I AMMISSIBI	LI SUI GANCI DI TRA	80
OTE PER 13 (30) 15 (30) 15 (30) 15 (30) 15 (30) 15 (30) 15 (30) 16 (30) 17 (30) 17 (30) 18	ccl ordigate massima so to       ccl ordigate D TRAN       5602-3 (swelf & logge       1102 (socihare del le       5602-3 (swelf & logge	NO moto garend a functional sector of control garend a function control garend a function control garend a function control garend a function end sector and sector and sector and sector and sector and sector and sector and sector provide a function provide and sector and sector provide and sector and sector provide and provide and provide and provide and provide and provide and provide	na di X foro di 35 m na di X foro di 50 m na di X foro di 61 m na di Z foro di 61 m di 40 mmi organibale solo non manj negli angli angli angli angli angli angli negli angli angli angli angli angli angli angli angli angli negli angli a	ni) ni) ni) alo di 30 mni) mi) alo di 30 mni) alo di 30 mni) alo di 30 mni) alo di 30 nni) di 30 al 31 mni) alo di 30 al 41 mni) mdi MdSA MdSAM Adda Jose Li P alo di 30 mni) di 30 al 41 mni) mdi di 30 al 41 mni) di 30 al 41 mni)	na di A - not autoratico] CHI VERTICALI BASSIM TECNICAMENTE 2003 2003 2003 2003 2003 2003 2003 200	I AMMISSIÐ	LI SU GANCI DI TRA	80
Alter     PER       VOTE     PER <td>Call Long Annu Russima sub       Sel20-3 (Lone GAN LD TRAAL       Sel20-3</td> <td>NO cost a sumoor or cost a sumoor cost a sumoo</td> <td>na di X foro di 35 n na di X foro di 50 n na di X foro di 50 n na di Z foro di 61 n di 60 nm) megatiba coli tori di 61 nm di 61 nm di 70 nm ma) nm) na di X foro di 51 nm di Y foro di 51 nm ma di Y foro di 50 nm ma di 10 nm ma di Y foro di 50 nm ma di 10 nm ma</td> <td>ni) ni) si anoma rj0 648i-2 a ton ni) si a do mel si ado do do mel si ado do do do do si ado do do do do do si ado do do do si ado do do do do do si ado do do do si ado do do do si ado do do do do si ado do do do do si ado do do do do si ado do do do do si ado do do do do do si ado do do do si ado do do do si ad</td> <td>na gi A - non Budinalisti cun veritticada la Bastellar Technicada and Rost (12) Socio Soci</td> <td>I AMMISSIBI</td> <td>LI SUI GANCI DI TRA</td> <td>ao</td>	Call Long Annu Russima sub       Sel20-3 (Lone GAN LD TRAAL       Sel20-3	NO cost a sumoor or cost a sumoor cost a sumoo	na di X foro di 35 n na di X foro di 50 n na di X foro di 50 n na di Z foro di 61 n di 60 nm) megatiba coli tori di 61 nm di 61 nm di 70 nm ma) nm) na di X foro di 51 nm di Y foro di 51 nm ma di Y foro di 50 nm ma di 10 nm ma di Y foro di 50 nm ma di 10 nm ma	ni) ni) si anoma rj0 648i-2 a ton ni) si a do mel si ado do do mel si ado do do do do si ado do do do do do si ado do do do si ado do do do do do si ado do do do si ado do do do si ado do do do do si ado do do do do si ado do do do do si ado do do do do si ado do do do do do si ado do do do si ado do do do si ad	na gi A - non Budinalisti cun veritticada la Bastellar Technicada and Rost (12) Socio Soci	I AMMISSIBI	LI SUI GANCI DI TRA	ao
NOTE     PERA       NOTE <td>Clubble measures     <thmeasures< th="">     measures     measures</thmeasures<></td> <td>NO NO NO NO NO NO NO NO NO NO NO NO NO N</td> <td>In d X fore di 35 m a di X fore di 50 m a di 7 fore di 50 m a di 7 fore di 61 m a di 7 fore di 50 m a di 7 fore di 70 m a di 70 m di 70 m a di 70 m a di 70 m di 7</td> <td>eli suoma tilo (448-2 e for ing) elio di 30 em) mi) elio di 30 em) mi) elio di 30 em) elio di 30</td> <td>ng di A - non automatico) CHI VERTICALI MASSIM TECNICAMENTE (NASSE nui 1900) 1900 1900 1900 1900 1900 1900 190</td> <td>I AMMESSED</td> <td>LI SUI GANCI DI TRA</td> <td>ar0</td>	Clubble measures     measures <thmeasures< th="">     measures     measures</thmeasures<>	NO NO NO NO NO NO NO NO NO NO NO NO NO N	In d X fore di 35 m a di X fore di 50 m a di 7 fore di 50 m a di 7 fore di 61 m a di 7 fore di 50 m a di 7 fore di 70 m a di 70 m di 70 m a di 70 m a di 70 m di 7	eli suoma tilo (448-2 e for ing) elio di 30 em) mi) elio di 30 em) mi) elio di 30 em) elio di 30	ng di A - non automatico) CHI VERTICALI MASSIM TECNICAMENTE (NASSE nui 1900) 1900 1900 1900 1900 1900 1900 190	I AMMESSED	LI SUI GANCI DI TRA	ar0
0TE PER 0TE 2015 0TE 201	Clubble measures     Display       Set20-3 (swelf & logge     Set20-3 (swelf & logge       Set20-3 (swelf & logge     Set20-3 (swelf & logge </td <td>коо в висот е песо в висот е коо в речота в от посе речота в тот со речота в тот со речота в тот со речота в тот на песо речота в тот на песо речота в тот на песо в 30 нат, на песо в 30 нат, на песо в 30 нат, на песо в 10 на тот на бата на на песо на песо в тот 45 ла на песо вот 45 ла на песо речота в на песо вот 45 ла на песо речота в на песо речота на песо речота на</td> <td>na di X foro di 35 n na di X foro di 50 n na di X foro di 61 n na di Z foro di 61 n di 40 nmi mengalina folia foro di 61 n ndi menj n, dameto dell'an na di Y toro di 50 n ng dameto dell'an ng di Y toro di 50 n regularizzazione di 10 n ng di Y toro di 50 n ng di 10 n ng di Y toro di 50 n ng di Y toro di 50 n ng di Y toro di</td> <td>ni) ni) ni) ni) abo 30 mni) ni) abo 30 mni) ni) abo 30 mni) ni) abo 30 mni) mi) abo 30 mni) abo 30 mni</td> <td>ng (j A - not Bultinafiet) Crit VERTICALI BASSIM TECHICANI BASSIM TECHICANI BASSIM Solo Solo Solo Solo Solo Solo Solo Sol</td> <td>I AMMISSIO</td> <td>LI SUI GANCI DI TRA</td> <td>a0</td>	коо в висот е песо в висот е коо в речота в от посе речота в тот со речота в тот со речота в тот со речота в тот на песо речота в тот на песо речота в тот на песо в 30 нат, на песо в 30 нат, на песо в 30 нат, на песо в 10 на тот на бата на на песо на песо в тот 45 ла на песо вот 45 ла на песо речота в на песо вот 45 ла на песо речота в на песо речота на	na di X foro di 35 n na di X foro di 50 n na di X foro di 61 n na di Z foro di 61 n di 40 nmi mengalina folia foro di 61 n ndi menj n, dameto dell'an na di Y toro di 50 n ng dameto dell'an ng di Y toro di 50 n regularizzazione di 10 n ng di Y toro di 50 n ng di 10 n ng di Y toro di 50 n ng di Y toro di 50 n ng di Y toro di	ni) ni) ni) ni) abo 30 mni) ni) abo 30 mni) ni) abo 30 mni) ni) abo 30 mni) mi) abo 30 mni) abo 30 mni	ng (j A - not Bultinafiet) Crit VERTICALI BASSIM TECHICANI BASSIM TECHICANI BASSIM Solo Solo Solo Solo Solo Solo Solo Sol	I AMMISSIO	LI SUI GANCI DI TRA	a0
NOTE     PERA       VICTE     PERA       VICTE     PERA       VICTE     PERA       VICTE     PERA       VICTE     VICTE       VICTE	ccl and game     Building State       ccl and Game     Difference       setted and game     Setted and game	NO NO Consequences allowed a form concerption of an one consequences and consequences and consequences and consequences and consequences and consequences of period a form on consequences and consequences of consequences and consequences of consequences and consequences and cons	na di X foro di 35 n na di X foro di 50 n na di 7 foro di 50 n na di 7 foro di 50 n na di 7 foro di 50 n ngataba soli roro di 11 n ngataba soli roro di 11 n ndi 11 n na di X foro di 50 n n, daneto diffan na di Y foro di 50 n n, daneto diffan na di Y foro di 50 n n, daneto diffan ndi 0051ENONI indee di carlo - 143.0.1 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.00 149.0.000 149.0.0000000000000000000000000000000000	High High State (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	na di A - non automatoro Cel VERTICALI BASSIM TECNCAMENTE RASEL RASEL RASE Stoo Stoo Stoo Stoo Stoo Stoo Stoo St	I AMMESSED	LI SUI GANCI DI TRA	80
NOTE PERA       VOTE PERA       150 150	ccl bible measures to to       ccl DeGAM D TRAN       5603 J centel di appa       5603 J centel di acco       5603 J centel di app       5603 J centel di aco       5603 J centel	NO NO NO NO NO NO NO NO NO NO NO NO NO N	na di X. foro di 35 n na di X. foro di 50 n na di Y. foro di 50 n na di Y. foro di 50 n na di 70 nmi mpatbhe solo con ad 51 , foro di 51 n di 60 nmi) ni mi mi mi mi mi mi mi mi mi mi mi mi mi	ni) ni) sis noma tSO 548i-2 a for ni) allo di 30 mni) allo di 30 mni)	ng di A - not autoratice) CHI VERTICALI BASSIM TECNICAMENTE MAX 560 560 560 560 560 560 560 560 560 560	I AMMISSIO	LI ŞU GANCI DI TRA	80
OTE PER 0 (150 PER 1 (2000) 0 (150) 0 (150 PER 1 (2000) 0 (1	Cluster     Cluster <t< td=""><td>NO NO Conception and a form conception and and conception and and conception and and conception and conception and conception and conception concep</td><td>as di Xioro di 35 m       as di Xioro di 35 m       as di Yioro di 30 m       as di Yioro di 30 m       a di Amoria       as di Xioro di 10 m       as di Xioro di 10 m       aggi di amori       aggi di amori</td><td>ni) ni) ni) ni) ni) ni) ni) ni)</td><td>ng () A - not Bullhallot() Cell VERTICALI BASSIBN TECHCAMAINTE POST (27) 440 540 540 540 540 540 540 540</td><td>AMMESSID</td><td>LI SUI GANCI DI TRA</td><td>æ</td></t<>	NO NO Conception and a form conception and and conception and and conception and and conception and conception and conception and conception concep	as di Xioro di 35 m       as di Xioro di 35 m       as di Yioro di 30 m       as di Yioro di 30 m       a di Amoria       as di Xioro di 10 m       as di Xioro di 10 m       aggi di amori	ni) ni) ni) ni) ni) ni) ni) ni)	ng () A - not Bullhallot() Cell VERTICALI BASSIBN TECHCAMAINTE POST (27) 440 540 540 540 540 540 540 540	AMMESSID	LI SUI GANCI DI TRA	æ
NOTE PERR     180       NOTE PERR <td>Clubble measures     Clubble measures       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)       2000 CHARNE (Clubble)     2000 CHARNE (Clubble)       2000 CHARNE (Clubble)     2000 CHARNE (Clubble)       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)</td> <td>NO     Balance et al.       NO     Concil gibrerol à lution co prevoi à lution con pagnament attaccement lution de la catalance de la catalance lution de la catalance de la catadance de la catadance de la catalance de la catadan</td> <td>Na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 30 m as di Ziono di 11 m as di Xiono di 11 m as di Xiono di 11 m ano mante di Xiono di 20 m m mante di Xiono di 20 m m mante di Xiono di 20 m m, diameto dell'an mante di Yiono di 20 m m, diameto dell'an mante di Yiono di 20 m m di 12 di 20 m 10 di 20 m</td> <td>eni eni eni eni eni eni eni eni</td> <td>ng di A - not autonatico) CHI VERTICALI MASSIM TECNCAMENTE NASSE nu 1900 1900 1900 1900 1900 1900 1900 190</td> <td>AMMISSIBI</td> <td>LI SUI GANCI DI TRA</td> <td>80</td>	Clubble measures     Clubble measures       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)       2000 CHARNE (Clubble)     2000 CHARNE (Clubble)       2000 CHARNE (Clubble)     2000 CHARNE (Clubble)       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)       2010 CHARNE (Clubble)     2010 CHARNE (Clubble)	NO     Balance et al.       NO     Concil gibrerol à lution co prevoi à lution con pagnament attaccement lution de la catalance de la catalance lution de la catalance de la catadance de la catadance de la catalance de la catadan	Na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 30 m as di Ziono di 11 m as di Xiono di 11 m as di Xiono di 11 m ano mante di Xiono di 20 m m mante di Xiono di 20 m m mante di Xiono di 20 m m, diameto dell'an mante di Yiono di 20 m m, diameto dell'an mante di Yiono di 20 m m di 12 di 20 m 10 di 20 m	eni eni eni eni eni eni eni eni	ng di A - not autonatico) CHI VERTICALI MASSIM TECNCAMENTE NASSE nu 1900 1900 1900 1900 1900 1900 1900 190	AMMISSIBI	LI SUI GANCI DI TRA	80
NOTE PER     100	Clubble measures     Display       CUI, ORGANE (CUI, DUTRAL     Septo-3 (swelf, Gi appa       Septo-3 (swelf, Gi appa     Septo-3 (swelf, Gi appa       Septo-4 (swelf, Gi appa     Septo-4 (swelf, Gi appa       Septo-5 (swelf, Gi appa     Septo-4 (swelf, Gi appa       Septo-6 (swelf, Gi appa     Septo-4 (swelf, Gi appa       Septo-6 (swelf, Gi appa     Septo-6 (swelf, Gi appa       Septo-7 (swelf, Gi appa     Septo-6 (swelf, Gi appa       Septo-6 (swelf, Gi appa     Septo-6 (swelf, Gi appa       Septo-6 (swelf, Gi appa     Septo-6 (swelf, Gi appa       Septo-6 (swelf, Gi appa </td <td>NO NO Conception and the second and the conception and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second</td> <td>na di X. foro di 35 n na di X. foro di 50 n na di Y. foro di 50 n na di Y. foro di 50 n na di A. foro di 10 n di 60 nnj mpetible solo con ad X. foro di 50 nnj ni, diameto dell'an na di Yoro di 50 n, diameto dell'an na di Yoro di 50 n, diameto dell'an na di Yoro di 50 no di 50 nnj hole di conci n 140 AA 140 AA</td> <td>ni) ni) ni) alb 30 mni) alb 30 mni) mi) alb 30 mni) alb 30 mni)</td> <td>ng (j Å - not Bubthaffet) CHI VERTICALI BASSIM TECNICAMENTE TECNICAMENTE TECNICAMENTE SOLO SOLO SOLO SOLO SOLO SOLO SOLO SOL</td> <td>AMM/SSID</td> <td>LI SUI GANCI DI TRA</td> <td>an)</td>	NO NO Conception and the second and the conception and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second	na di X. foro di 35 n na di X. foro di 50 n na di Y. foro di 50 n na di Y. foro di 50 n na di A. foro di 10 n di 60 nnj mpetible solo con ad X. foro di 50 nnj ni, diameto dell'an na di Yoro di 50 n, diameto dell'an na di Yoro di 50 n, diameto dell'an na di Yoro di 50 no di 50 nnj hole di conci n 140 AA 140 AA	ni) ni) ni) alb 30 mni) alb 30 mni) mi) alb 30 mni) alb 30 mni)	ng (j Å - not Bubthaffet) CHI VERTICALI BASSIM TECNICAMENTE TECNICAMENTE TECNICAMENTE SOLO SOLO SOLO SOLO SOLO SOLO SOLO SOL	AMM/SSID	LI SUI GANCI DI TRA	an)
NOTE PERR     1830       VOTE PERR     180       VOTE VERR     180       VOTE VERR <td>Childberg     Constraint     Constrai</td> <td>NO NO Conception and the second and the conception of the second and the second and the second and the second and the second and the second and the second and the second and the second and</td> <td>na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 50 m as di Ziono di 16 m mpatble soli tori and as di Xiono di 16 m mb) mb) mb) mb) mb) mb) mb) mb) mb) mb</td> <td>ni) ni) ni) ni) ni) ni) ni) ni)</td> <td>na g A - nor autorialisti cui vienticati Mastella Tecnicati Mas</td> <td>I ANNISOD</td> <td>LI SUI GANCI DI TRA</td> <td>ao</td>	Childberg     Constraint     Constrai	NO NO Conception and the second and the conception of the second and the second and the second and the second and the second and the second and the second and the second and the second and	na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 50 m as di Ziono di 16 m mpatble soli tori and as di Xiono di 16 m mb) mb) mb) mb) mb) mb) mb) mb) mb) mb	ni) ni) ni) ni) ni) ni) ni) ni)	na g A - nor autorialisti cui vienticati Mastella Tecnicati Mas	I ANNISOD	LI SUI GANCI DI TRA	ao
NOTE PERR     100       NOTE PERR <td>Clubble measures     Description       0.000 CAM DE UTAAL     5600-3 (swelf &amp; spage 5600-3) (swelf 5600-3) (sw</td> <td>NO     Sector Bitterior et al.       NO     Concil gitteriol a litteric ciprevol a littericiprevol a litteric ciprevol a litteric ciprevol a litter</td> <td>Na di Xioro di 35 n na di Xioro di 15 n na di Yioro di 50 n na di Yioro di 50 n di 50 nni) mpatble solo con di 60 nni) ng di materiali anti anti anti ng diameto dall'anti ng di 16 All 16 All</td> <td>ni) ni) sis noma (50 648i-2 e for ni) allo (5 20 mni) mi) allo (5 20 mni) mi) sis (5 20 mni) allo (</td> <td>ng di A - not autonalico] CHI VERTICALI BASSIM TECNICAMINE 2004 2005 2005 2005 2005 2005 2005 2005</td> <td>I AMMISDB</td> <td>LI SUI GANCI DI TRA</td> <td>80</td>	Clubble measures     Description       0.000 CAM DE UTAAL     5600-3 (swelf & spage 5600-3) (swelf 5600-3) (sw	NO     Sector Bitterior et al.       NO     Concil gitteriol a litteric ciprevol a littericiprevol a litteric ciprevol a litteric ciprevol a litter	Na di Xioro di 35 n na di Xioro di 15 n na di Yioro di 50 n na di Yioro di 50 n di 50 nni) mpatble solo con di 60 nni) ng di materiali anti anti anti ng diameto dall'anti ng di 16 All 16 All	ni) ni) sis noma (50 648i-2 e for ni) allo (5 20 mni) mi) allo (5 20 mni) mi) sis (5 20 mni) allo (	ng di A - not autonalico] CHI VERTICALI BASSIM TECNICAMINE 2004 2005 2005 2005 2005 2005 2005 2005	I AMMISDB	LI SUI GANCI DI TRA	80
017E PER. 0176 P	Clubble measures     Display       cull cell_Ank ID TRANS     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 3 (argument 6) approx     Setter 3 (argument 6) approx       Setter 4 (argument 6) approx     Setter 4) approx </td <td>NO NO Concernitive previous a film mode general a film mode de do mode film de de do mode de do mo</td> <td>has dit X.foro dit 35 m       has dit X.foro dit 35 m       has dit Y.foro dit 35 m       has dit Y.foro dit 30 m       has dit Y.foro dit 30 m       mpetable sub con       has dit X.foro dit 30 m       mpetable sub con       militaria       militaria       ma dit X.foro dit 30 m       militaria       militari       militaria</td> <td>High High State St</td> <td>ng () A - not automatics) Crit VERTICALI MASSIM TECHNOLAMONTE WAX 1007 10</td> <td>I ANNISOD</td> <td>LI BUI GANCI DI TRA</td> <td>a0</td>	NO NO Concernitive previous a film mode general a film mode de do mode film de de do mode de do mo	has dit X.foro dit 35 m       has dit X.foro dit 35 m       has dit Y.foro dit 35 m       has dit Y.foro dit 30 m       has dit Y.foro dit 30 m       mpetable sub con       has dit X.foro dit 30 m       mpetable sub con       militaria       militaria       ma dit X.foro dit 30 m       militaria       militari       militaria	High High State St	ng () A - not automatics) Crit VERTICALI MASSIM TECHNOLAMONTE WAX 1007 10	I ANNISOD	LI BUI GANCI DI TRA	a0
Non-     Non- <td< td=""><td>cc) add/set     cc) add/set       set/s     cc) add/set       set/s     cc) add/set       set/s     cc) add/set       set/s     cc/set/set       set/s     cc/set/set/set/set/set/set/set/set/set/set</td><td>NO     NO       NO     NO       Sector garevia a lomoco do garevia a lomoco do garevia a lomoco lomo di So lomoco do do do lomoco do do do lomoco do lomo di So lomoco do do do lomoco do lomo do lomoco do lomoco</td><td>Na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 30 m as di Ziono di 11 m as di Xiono di 11 m as di Xiono di 11 m as di Xiono di 11 m andi moli moli moli as di Xiono di 20 m moli andi Xiono di 20 m moli andi Xiono di 20 m moli di 20 m m m m m m m m m m m m m m m m m m m</td><td>wi3       wi3       wi3</td><td>ng di A - non automatoro Crit <u>VERTICALI MASSam</u> TECNICAMENTE (NASEE ng) 19031 (27) 1903 1900 1900 1900 1900 1900 1900 1900</td><td>I ANNISOR</td><td>LI SUI GANCI DI TRA</td><td>80</td></td<>	cc) add/set     cc) add/set       set/s     cc) add/set       set/s     cc) add/set       set/s     cc) add/set       set/s     cc/set/set       set/s     cc/set/set/set/set/set/set/set/set/set/set	NO     NO       NO     NO       Sector garevia a lomoco do garevia a lomoco do garevia a lomoco lomo di So lomoco do do do lomoco do do do lomoco do lomo di So lomoco do do do lomoco do lomo do lomoco	Na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 30 m as di Ziono di 11 m as di Xiono di 11 m as di Xiono di 11 m as di Xiono di 11 m andi moli moli moli as di Xiono di 20 m moli andi Xiono di 20 m moli andi Xiono di 20 m moli di 20 m m m m m m m m m m m m m m m m m m m	wi3	ng di A - non automatoro Crit <u>VERTICALI MASSam</u> TECNICAMENTE (NASEE ng) 19031 (27) 1903 1900 1900 1900 1900 1900 1900 1900	I ANNISOR	LI SUI GANCI DI TRA	80
2011     PEMA       2011 <td>ccl ordigate massima to to the       sets - ccl ordigate to the       sets - ccl ord to the       sets - c</td> <td>NO NO Conception and the second and the conception and the second and the second and the second and the second and the second and the second and the second and the second and the second</td> <td>Na di X. foro di 35 n na di X. foro di 50 n na di Y. foro di 50 n na di Y. foro di 50 n di 50 nm] mpatble solo con ad X. foro di 50 nm] mp mp mp mp mp mp mp mp mp mp</td> <td>ni) ni) si noma (10 (44)-2 a for ni) alo (10 mi) mi) alo (10 mi) mi) alo (10 mi) alo (1</td> <td>ng di A - not autoradice) CHI VERTICALI BASSIM TECNICALI BASSIM TECNICALI BASSIM MAX 560 560 560 560 560 560 560 560</td> <td>I AMM-SDD</td> <td>LI SUI GANCI DI TRA</td> <td>80</td>	ccl ordigate massima to to the       sets - ccl ordigate to the       sets - ccl ord to the       sets - c	NO NO Conception and the second and the conception and the second and the second and the second and the second and the second and the second and the second and the second	Na di X. foro di 35 n na di X. foro di 50 n na di Y. foro di 50 n na di Y. foro di 50 n di 50 nm] mpatble solo con ad X. foro di 50 nm] mp mp mp mp mp mp mp mp mp mp	ni) ni) si noma (10 (44)-2 a for ni) alo (10 mi) mi) alo (10 mi) mi) alo (10 mi) alo (1	ng di A - not autoradice) CHI VERTICALI BASSIM TECNICALI BASSIM TECNICALI BASSIM MAX 560 560 560 560 560 560 560 560	I AMM-SDD	LI SUI GANCI DI TRA	80
031     150       031     150       041     150       041     150       041     150       041     150       141     150       141     150       151     150       151     150       151     150       151     150       151     150       151     150       151     150       151     150       151     150       151     150       152     151       152     152       152     152       152     152       152     152       152     152       152     152       154     154       154     154       154     154       154     154       154     154       154     154       154     154       154     154       154	Childbergen     Instantion     Construction       5602-3     Jowelf, G. Appard     Septo-3     Septo-3       1002     Jowelf, G. Appard     Septo-3     Septo-3       1002     Jowelf, G. Appard     Septo-3     Septo-3       1002     Jowelf, G. Appard     Septo-3     Jowelf, G. Appard       1002     Jowelf, Jowelf, G. Appard     Septo-3     Jowelf, G. Appard       1002     Jowelf, Jowelf, G. Appard     Appard     Jowelf, G. Appard       1002     Jowelf, Jowelf, G. Appard     Appard     Jowelf, G. Appard       1001     Jowelf, Jowelf, G. Appard     Jowelf, G. Appard     Jowelf,	NO NO Consequent a function of previol a function of previol a function of previol a function of previol a function of previol a func- ment of solution of the	as di Xiono di 35 m       as di Xiono di 25 m       as di Yiono di 50 m       a di Gi mini       angli di solo tori nengi       angli Vioni di Solo tori di Solotototori di Solo tori di Solo tori di Solo tori di Solo	ni) ni) ni) ni) ni) ni) ni) ni)	ng () A - not Bullhallot) Call WEITCALL BASSEN TECHCALLINE CALL BASSEN TECHCALLINE CALL CAL	I ANNISOD	LI DU GANCI DI TRA	æ
3843     16001       38     15001       39     1500       39     1500       39     1500       39     1500       39     1500       30     1500       31     1500       31     1500       31     1500       31     1500       31     1500       31     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500       320     1500	Clubble measures     Clubble measures       201, ORGAN EQUIPS, Jurnet & Opport     5603-3 (unret & Opport       5603-3 (unret & Opport     6403-5 (unret & Opport       5613-3 (unret & Opport     5155 (unret & Opport       5613-3 (unret & Opport     5153 (unret & Opport       5613-3 (unret & Opport     5134 Adv       573     524 Adv     513 Adv       573     513 Adv     513 Adv       574     513 Adv	NO     NO       NO     NO       Status     Status       No     Status       Status     Status <td>Na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 30 m as di Ziono di 11 m as di Xiono di 11 m as di Xiono di 11 m ano di Xiono di 12 m m mana di Xiono di 20 m m m mana di Xiono di 20 m m m m m m m m m m m m m m m m m m m</td> <td>All Anno 2010 Addi-2 e for and and b \$30 mm) and b \$30 mm) and b \$30 and and b \$30 and and a \$30 and a \$30</td> <td>ng di A - not automatico) CHI VERTICALI BASSIM TECNCANINTE IN ASSECtual 7000 7000 7000 7000 7000 7000 7000 70</td> <td>I AMM/SSO</td> <td>LI SUI GANCI DI TRA</td> <td>80</td>	Na di Xiono di 35 m as di Xiono di 15 m as di Yiono di 30 m as di Ziono di 11 m as di Xiono di 11 m as di Xiono di 11 m ano di Xiono di 12 m m mana di Xiono di 20 m m m mana di Xiono di 20 m m m m m m m m m m m m m m m m m m m	All Anno 2010 Addi-2 e for and and b \$30 mm) and b \$30 mm) and b \$30 and and b \$30 and and a \$30 and a \$30	ng di A - not automatico) CHI VERTICALI BASSIM TECNCANINTE IN ASSECtual 7000 7000 7000 7000 7000 7000 7000 70	I AMM/SSO	LI SUI GANCI DI TRA	80
38.33     1600       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       39.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500       30.     1500 </td <td>Clubble measures     Display       cull cell_Ank ID TRAN     Setters       Setters     Jernet &amp; Setters</td> <td>NO     Balance et al.       NO     Conce gineval a lum noiso greval a lum distribution greval a lum distr</td> <td>ha di X.foro di 35 m       ha di Y.foro di 50 m       ha di Y.foro di 10 m       ha di X.foro di 10 m       ha di Yon di 10 m       POSTERIORI       Hida A.       140 A.       141 A.       142 A.       142 A.       143 A.       142 A.</td> <td>ni) ni) ni) alb d 30 mni) ni) alb d 30 mni) nii) alb d 30 mni) alb d 30 m</td> <td>ng (j Å - not Judinalice) Chi VERTICALI BASSIM TECNICALI BASSIM</td> <td>I ANNISTR</td> <td>LI BUI GANCI DI TRA</td> <td>2</td>	Clubble measures     Display       cull cell_Ank ID TRAN     Setters       Setters     Jernet & Setters	NO     Balance et al.       NO     Conce gineval a lum noiso greval a lum distribution greval a lum distr	ha di X.foro di 35 m       ha di Y.foro di 50 m       ha di Y.foro di 10 m       ha di X.foro di 10 m       ha di Yon di 10 m       POSTERIORI       Hida A.       140 A.       141 A.       142 A.       142 A.       143 A.       142 A.	ni) ni) ni) alb d 30 mni) ni) alb d 30 mni) nii) alb d 30 mni) alb d 30 m	ng (j Å - not Judinalice) Chi VERTICALI BASSIM TECNICALI BASSIM	I ANNISTR	LI BUI GANCI DI TRA	2
30     1600E     PER.     9     1500       31     1500     1500     1500     1500       35     1500     1500     1500     1500     1500       36     1500	Clubble measures     Clubble measures       Set20-3 (swelf, Si appart)     Set20-3 (swelf, Si appart)       Set20-4 (swelf, Si appart)     Set20-3 (swelf, Si appart)       Set20-5 (swelf, Si appart)     Set20-3 (swelf, Si appart)       Set20-1 (swelf, Si appart)     Set20-4 (swelf, Si appart)       Set20-1 (swelf, Si appart)     Set20-5 (swelf, Si appart)       Set20-1 (swelf, Si appart)     Set20-4 (swelf, Si appart)       Set20-1 (s	NO     NO       NO     NO       Status     Status       No     Status       Status     Status <td>na di X foro di 35 m       na di X foro di 35 m       na di X foro di 36 m       na di X foro di 36 m       mpatble soli tori di m       mpatble soli tori di m       mpatble soli tori di m       ma di X tori di 10 m       mai di X tori di 10 m       mani mai di Y tori di 50 m       ma di Y tori di 50 m       no CostERDANI       10 data       10 data</td> <td>ni) ni) ni) ni) ni) ni) ni) ni)</td> <td>ng () A - not Bullhallot() Cell VERTICALI BASSEM TECHICALI BASSE</td> <td></td> <td>LI SUI GANCI DI TRA</td> <td>ao</td>	na di X foro di 35 m       na di X foro di 35 m       na di X foro di 36 m       na di X foro di 36 m       mpatble soli tori di m       mpatble soli tori di m       mpatble soli tori di m       ma di X tori di 10 m       mai di X tori di 10 m       mani mai di Y tori di 50 m       ma di Y tori di 50 m       no CostERDANI       10 data	ni) ni) ni) ni) ni) ni) ni) ni)	ng () A - not Bullhallot() Cell VERTICALI BASSEM TECHICALI BASSE		LI SUI GANCI DI TRA	ao
38.33     1600E     PER.     90.0     150.0       39.     150.0 </td <td>Clubble measures     Display       021 ORGANE (Clubble)     Setter 3 (Clubble)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 2 (swelf 4)     Setter 3)       5950 - 2 (swelf 4)     Setter 3)       5950 - 2 (swelf 4)     Setter 3)       5950 - 2 (swelf 4)     Setter 4)       5950 - 2</td> <td>NO     Sec. a Barton et al.       NO     Conce ginerol a Interior co prevol a Interior co co prevol a Interior co co prevol a Interior co co so so so mancho prevol a Interior co so so</td> <td>ha di Xioro di 35 m       ha di Xioro di 15 m       ha di Yioro di 30 m       ha di Yioro di 10 m       ha di Xioro di 11 m       mpatha kito con       ma di Xioro di 11 m       mpatha kito con       m, diameto diffari       m, diameto diffari       m, diameto diffari       ma di Yioro di 30 m       POTERNORI       Index di Atan       140 AA       140 AA       142 AA       143 AB       143 AB       144 B       144 B</td> <td>ni) ni) si noma (10 648-2 a for ni) alo d 30 nm) mi) alo d 30 nm) mi) alo d 30 nm) alo d 30</td> <td>ng di A - not autonalice] CHI VERTICALI BASSIM TECNICALI BASSIM 1000</td> <td>I ANVISTO</td> <td>LI ŞU GANCI DI TRA</td> <td>80</td>	Clubble measures     Display       021 ORGANE (Clubble)     Setter 3 (Clubble)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 3 (swelf 4)     Setter 3 (Setter 4)       5950 - 2 (swelf 4)     Setter 3)       5950 - 2 (swelf 4)     Setter 3)       5950 - 2 (swelf 4)     Setter 3)       5950 - 2 (swelf 4)     Setter 4)       5950 - 2	NO     Sec. a Barton et al.       NO     Conce ginerol a Interior co prevol a Interior co co prevol a Interior co co prevol a Interior co co so so so mancho prevol a Interior co so	ha di Xioro di 35 m       ha di Xioro di 15 m       ha di Yioro di 30 m       ha di Yioro di 10 m       ha di Xioro di 11 m       mpatha kito con       ma di Xioro di 11 m       mpatha kito con       m, diameto diffari       m, diameto diffari       m, diameto diffari       ma di Yioro di 30 m       POTERNORI       Index di Atan       140 AA       140 AA       142 AA       143 AB       143 AB       144 B	ni) ni) si noma (10 648-2 a for ni) alo d 30 nm) mi) alo d 30 nm) mi) alo d 30 nm) alo d 30	ng di A - not autonalice] CHI VERTICALI BASSIM TECNICALI BASSIM 1000	I ANVISTO	LI ŞU GANCI DI TRA	80



If it is indicated that certain maintenance and/or repair operations must be carried out by specialized personnel at an authorized workshop, DO NOT carry out do-it-yourself interventions.

To prevent overturns particular attention must be paid to:

#### Tires and wheels

Tires are parts subject to wear, aging and breakage.

It is necessary to periodically check the conditions, the state of wear of the ribs and/or the presence of cuts or incisions in the tread, the integrity of the sidewalls and the onset of anomalous swelling. All this denotes a deterioration of the casing with consequent risk of explosion.

The wheel rims must not show any deformations. All bolts securing the wheel to the axle shaft flange must be mounted and tightened correctly.



**Ballast**: it must be considered that the equipment carried and **semi-carried** at the rear of the tractor, during the lifting and transport phase, always causes a lightening of the front axle of the tractor. This lightening, in the absence of adequate front ballast, can lead to a loss of stability of the tractor with consequent possible longitudinal overturns of the tractor-operating machine complex (wheelie). The weight of the ballasts must be evaluated based on the tables provided by the manufacturer in the technical annex depending on the weight transported at the rear.

#### Brakes

The behavior of agricultural machinery in traffic situations is very different from that of cars, as the loads involved are much greater and road holding is not always perfect. It is therefore necessary to periodically check the efficiency of the brakes, with particular attention to the regularity of braking.

If long braking, skidding, bouncing, etc. occur. it is necessary to have the braking components adjusted and/or replace the worn devices (pads and/or discs).

For correct operation with towed equipment and trailers with a mechanical braking system, it is always necessary to install and use the relevant control, usually located to the right of the driver's seat, connecting it correctly with the relevant steel cable to the braking element of the trailer.



Installation and use of the **trailer brake control** is one of the most neglected operations in agricultural practice.

Considering the braking performance of the tractor alone is very risky as with the same initial speed, the stopping distances of the trailer made up of the tractor and the operator without trailer braking double.

### Risk assessment document (if it is a company with employees or equivalent workers)

The specific risk of overturns must be assessed in the Risk Assessment Document (DVR), taking into account the numerous elements that come into play in determining the occurrence of the most dangerous situations, in particular:

- the characteristics of the agricultural vehicle and the connected equipment: for example, the agricultural tractor has a very high center of gravity compared to the support base, it is generally not equipped with suspensions, elements that favor instability;
- the characteristics of the soil: soft ground (banks, ditches, unstable surfaces) holes, depressions or ditches
- the type of work carried out and the means of movement of the vehicle: for example, the presence of high rear or front overhanging loads or the inertia of towed machines or the need to carry out sudden maneuvers such as turning towards the valley.

Obviously, the situation becomes even more critical if you are working on steep slopes where the tractor's center of gravity could easily leave its support base, causing it to overturn.



The DVR should be a representation of different possible working conditions and the preventative procedures to be adopted. The safety procedures for the use of tractors attached to the DVR must include suitable checks by those in charge, also to verify the effective use of the driver retention systems, providing adequate signage inside the warehouses where the agricultural vehicles are placed which highlights the obligation to use the seat belt.

#### **Safety pills**

#### WHAT TO DO

- drive the tractor only if you are trained to do so, and instructed for both on and off the road, only use tractors equipped with a cab that has anti-tip protection devices and seat belts;
- before each start, check that the protection system (arch and roll-bar) is in the raised position and **fasten your seat belt**; remember that a protective structure is not sufficient if your fastened seat belt is not fastened;
- evaluate the geomorphological characteristics of the land in advance, in particular:
  - slope of the land;
  - pay attention to steering turns and the stability of banks and drains;
  - variability of the terrain in relation to climatic conditions;
  - particular risk conditions such as ditches, obstacles, holes, depressions, waterways;
- use a tractor that has the mechanical characteristics suitable for the type of work to be carried out;
- guarantee that the operating speed is such as to maintain the necessary safety in relation to the conformation of the land on which you are working, such as a slope or slope instablity land;
- always check that the load is securely tied to the floor;
- pay particular attention during maneuvers, especially when there is not full visibility;
- when you drive the tractor, you must always know where all your family members and collaborators are;
- uses the "safe stopping" procedure of the tractor and pay particular attention if the tractor is stopped on an uphill slope;
- keep all screens and protections installed and apply signs and reflectors to towed accessories;
- guarantee regular maintenance by using spare parts with adequate characteristics, using authorized workshops for extraordinary maintenance;
- keep a first aid kit and a dry powder fire extinguisher in the tractor.

#### WHAT NOT TO DO

- do not operate on tractors that do not meet safety requirements;
- do not use the tractor without wearing your seat belt;
- do not travel on terrain with a slope close to overturning limits;
- never load the platform beyond the capacity foreseen by the manufacturer;
- do not tow excessive loads using unbraked devices and never transport people together with livestock, crops or other materials
- do not attach chains, cables, etc. to the safety frame for towing, as this can cause the tractor to overturn; always use the tow bar; do not leave the power take-off connected when not in use;
- do not leave the key in the ignition;
- do not start or maneuver the tractor without being in the drivers seat;
- do not leave the tractor engine running when carrying out activities on the ground or on the tractor;
- never allow anyone to get on the tractor as a passenger, unless the tractor is approved for the purpose (in general, tractors that can carry one or two passengers are also equipped with the relevant seats and seat belts);
- never refuel with the engine running;
- do not replace the wheels (rims and/or tyres) with others of a different size not foreseen in the registration document.

#### Prima di cominciare a usare il trattore è importante controllare che:

- tire pressure is adequate, to reduce the risk of overturns;
- the steps are clean and dry, to reduce the risk of slipping and falling;
- the transmission oil is adequate to protect the transmission system;
- the handbrake is working, to reduce the risk of the tractor skidding/rolling and crushing someone;
- hydraulic oil and lines are in good condition, to reduce the risk of equipment malfunction;
- the cab floor is clean, to reduce the risk of foreign objects obstructing the pedals;
- all windows are clean, to ensure good visibility;
- the brake pedals work, to be able to stop the tractor immediately if necessary;
- the quantity of water in the radiator is adequate, to prevent the engine from overheating;
- the lights and mirrors work correctly, to promote safe driving;
- the engine oil level is adequate to protect the engine.

#### The "safe shutdown" procedure:

- 1. Stop the tractor in a safe place.
- 2. Disengage the gearbox and gears.
- 3. Activate the hand brake.
- 4. Place the tools on the ground.
- 5. Turn off the engine and remove the keys.

#### Competenze e comportamento umani:

If you use a vehicle for agriculture work you must:

- be in possession of a valid driving license for the category of the vehicle driven;
- be able to make the journey and therefore DO NOT:
  - take drugs/substances that cause drowsiness; use the vehicle if you are sleepy or sick;
  - drink alcohol;
  - have tight time constraints (avoid rush hours);
- respect the highway code;
- have prudent driving behavior;
- maintain concentration while driving;
- adapt driving to road conditions;
- be careful of other road users;
- · always keep your seat belt fastened;
- use your cell phone or other communication systems only with speakerphone;
- drive with the lights on where necessary;
- keep the vehicle doors closed and locked.

#### **Emergencies:**

In emergency situation such as a breakdown or collision:

- try to stop the vehicle in a safe place;
- in the event of a collision , if there are injured people, call the national emergency number;
- contact your roadside assistance service;
- if necessary, inform your employer;
- wear a high visibility jacket, secure the area if possible and make sure you are in a safe place.
- do not try to handle the situation alone if it is too difficult or challenging for one person to handle: for example, a vehicle stuck in mud.

#### **INJURIES**

#### Case 1

#### Context

The accident occurred during the olive harvest on a plot of land made up of several terraces approximately 6 meters wide.

To carry out this activity, a tractor-trailer was used, a compressor connected to the power of the tractor itself was located on the rear trailer. The compressor was used to convey compressed air through a plastic tube into the mechanism of a pneumatic plastic rake (olive harvester) the vibrations make the olives fall onto a net spread under the foliage of the plant; the olives were then manually collected from the net and placed into boxes. These actions were repeated plant by plant and each time the tractor with the compressor was moved and the plastic net was spread under the plant.

#### How the injury occurred

While the agricultural worker was moving the tractor to position it under a different plant, the vehicle deviated from the direction of travel, overturning on the cliff and falling onto the lower terrace. The worker was thrown out of the vehicle and crushed by the tractor.

#### What factors led to the accident?

The accident was caused by the following factors:

- an incorrect maneuver that brought the tractor too close to the edge of the terrace;
- the wheels went over the edge and the vehicle overturned on the lower terrace;
- the driver did not have a specific driver's license or training for driving agricultural and forestry tractors;
- the driver also lacked adequate training (State-Region Agreement, 22 February 2012);
- the Risk Assessment Document did not report the safety measures to be adopted for the risk of overturns, in particular the procedures to be implemented based on the conformation of the terrain.

#### What factors led to the serious consequences for the worker's health?

The lack of a retention system and the protection structure around the driver's seat meant that the driver was thrown out and remained trapped under the tractor.

#### What should the agricultural employer/entrepreneur have done?

- Equip the tractor with a driver retention system and a driving position protection structure;
- define the safety measures for the risk of overturns in the Risk Assessment Document, giving particular attention to the procedures to be implemented based on the conformation of the terrain;
- guarantee the vehicle is driven only by drivers to drive tractors and ensure they are given suitable training for their use.

### What should the adequately educated and trained agricultural worker driving the vehicle have done?

- followed the safety procedures indicated in the risk assessment.
- pay attention to the maneuvers to be carried out, in relation to the danger given by the conformation and type of terrain where they are.

#### What are the possible consequences?

Crushing with serious injuries and/or death.

The event could have been avoided or in any case with less serious consequences if the tractor had been equipped with suitable safety systems and the operator appropriately trained in Risk Assessment.







#### Context

The owner of a farm was fertilizing steeply sloping land using a wheeled tractor with a manure spreader.

#### How the injury occurred

While carrying out the operation, due to the steep slope of the terrain, the tractor picked up speed and the driver was no longer able to control and maneuver the vehicle which reached the end of the slope and hit the ground. The driver was thrown out of the cockpit and then crushed by the tractor which overturned.

#### What factors led to the accident?

The accident was caused by the following factors:

- the use of an unsuitable vehicle: given the steep slope of the land, a tracked tractor should have been used which guarantees greater grip on the ground;
- the incorrect execution of the operation: given the steep slope, the trajectory of the vehicle should have been less perpendicular;
- failure to use the engine brake when going downhill in a suitable gear.

#### Quali fattori hanno determinato le gravi conseguenze per la salute del lavoratore?

La mancata trattenuta alla seduta mediante cintura di sicurezza ha determinato che l'operatore, in caso di impatto e rovesciamento, venisse sbalzato fuori dall'abitacolo e quindi schiacciato.

#### What factors led to the serious consequences for the worker's health?

Failure to secure the seat using a seat belt resulted in the operator being thrown out of the cockpit and therefore crushed in the event of an impact or overturning.

#### What should the farmer driving the vehicle have done?

- Use a tracked and non-wheeled tractor;
- use the engine brake by engaging the gear you would use uphill before tackling the slope to prevent the tractor from picking up speed and not being able to manage with the mechanical brake alone;
- identify a more suitable route, carrying out maneuvers less perpendicular to the descent;
- fasten the seat belt, which would have kept him inside the ROPS casing, guaranteeing the safety volume in correspondence with the driving position. The use of a seat belt would probably have prevented the death of the farmer himself.

#### What are the possible consequences?

Crushing with serious injuries and/or death.

The probability of occurrence is high in the presence of steep slopes.

#### Case 3

#### Context

An agricultural worker, after completing hay raking with the aid of a tractor to which the rake was connected, the tractor was moved to a slightly sloped area to remove the rake. The tractor was parked and left with the engine running. The handbrake was not engaged.

#### How the injury occurred

The tractor, due to the slope, began to move and the farmer, trying to stop it, started running, but fell and was caught by the rake which dragged him for 15 meters to a nearby embankment. The tractor overturned and the worker was crushed by it.

#### What factors led to the accident?

The accident was caused by the following factors:

- positioning the tractor without using the braking system;
- positioning the tractor on sloping terrain, even if slight;
- failure to use a chock under a tire.

#### What factors led to the serious consequences for the worker's health?

The serious consequences were caused by the worker's attempt to stop the moving tractor.

#### What should the worker driving the vehicle have done?

Before starting to disconnect the towed implement, the driver should have:

- · choosen a terrain to park the vehicle without a slope;
- stop the tractor and engage the handbrake;
- turn off the tractor engine;
- place a chock under a tire.

#### What are the possible consequences?

Crushing with serious injuries and/or death.





#### **AGRICULTURE WORKING GROUP**

#### Coordinator: Romano Ghetti (USL Umbria 1)

Silvano Rosi Bonci (USL Umbria 1) Marco testa (USL Umbria 1) Stefano Babalini (USL Umbria 1) Lodovica Burani (USL Umbria 1) Sara Ramacci (USL Umbria 1) Ernesto Berrettoni (USL Umbria 1) Maria Chiara Marchetti (USL Umbria 2) Paolo Gubbini (USL Umbria 2) Luciano Bracone (USL Umbria 2) Giancarlo Lupi (USL Umbria 2)

Editorial coordination Stefano Piccardi, Simone Verducci "Communication, simplification of relations between citizens and the regional health services technician to the Management", Health and Welfare Directorate, Umbria Region

Thanks to Kathryn Mary Mahan for her help in traslating the document into English

Rev. march 2024