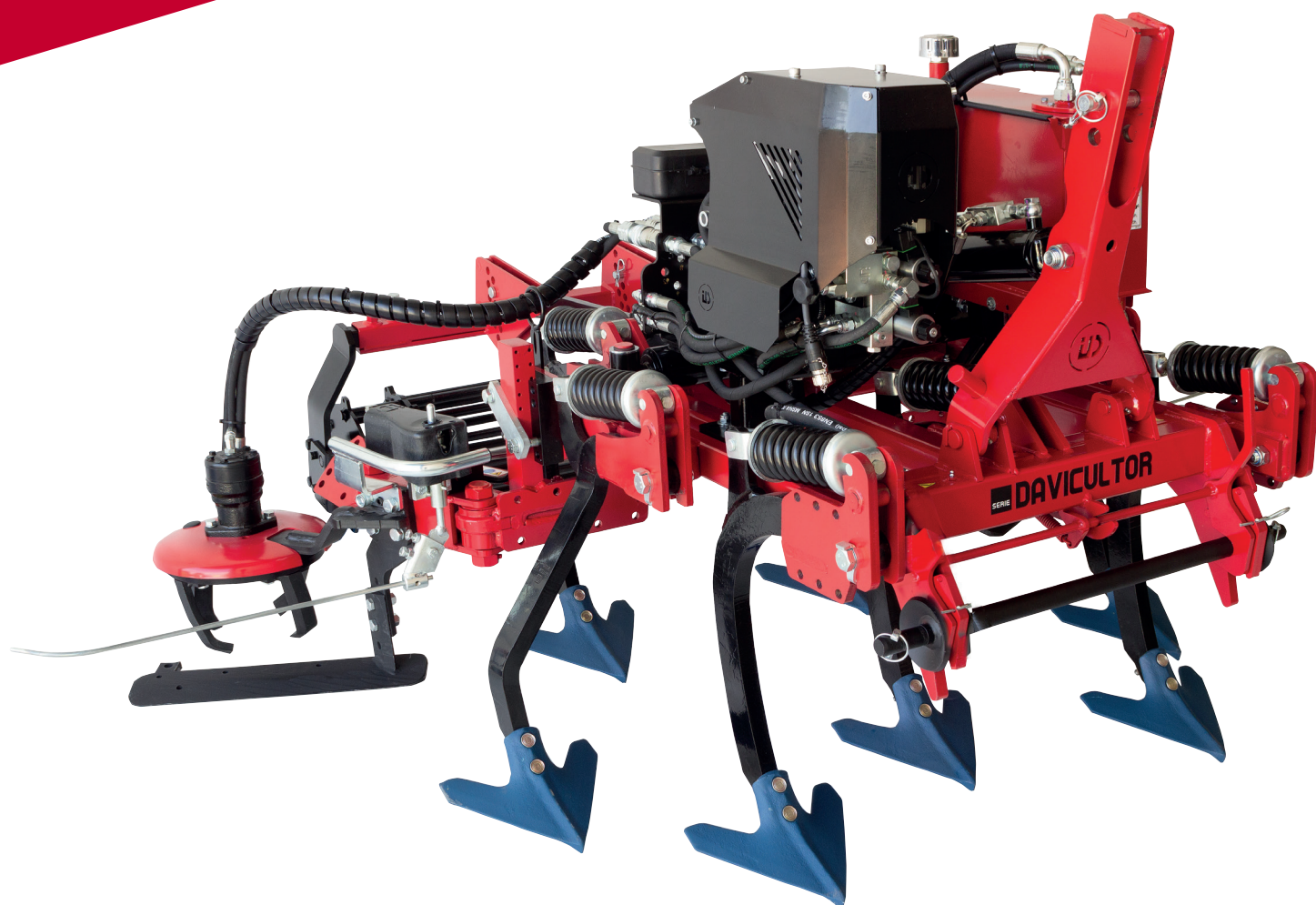


DAVICULTOR

EN

Cultivators with hydraulic width adjustment and in-row weeder



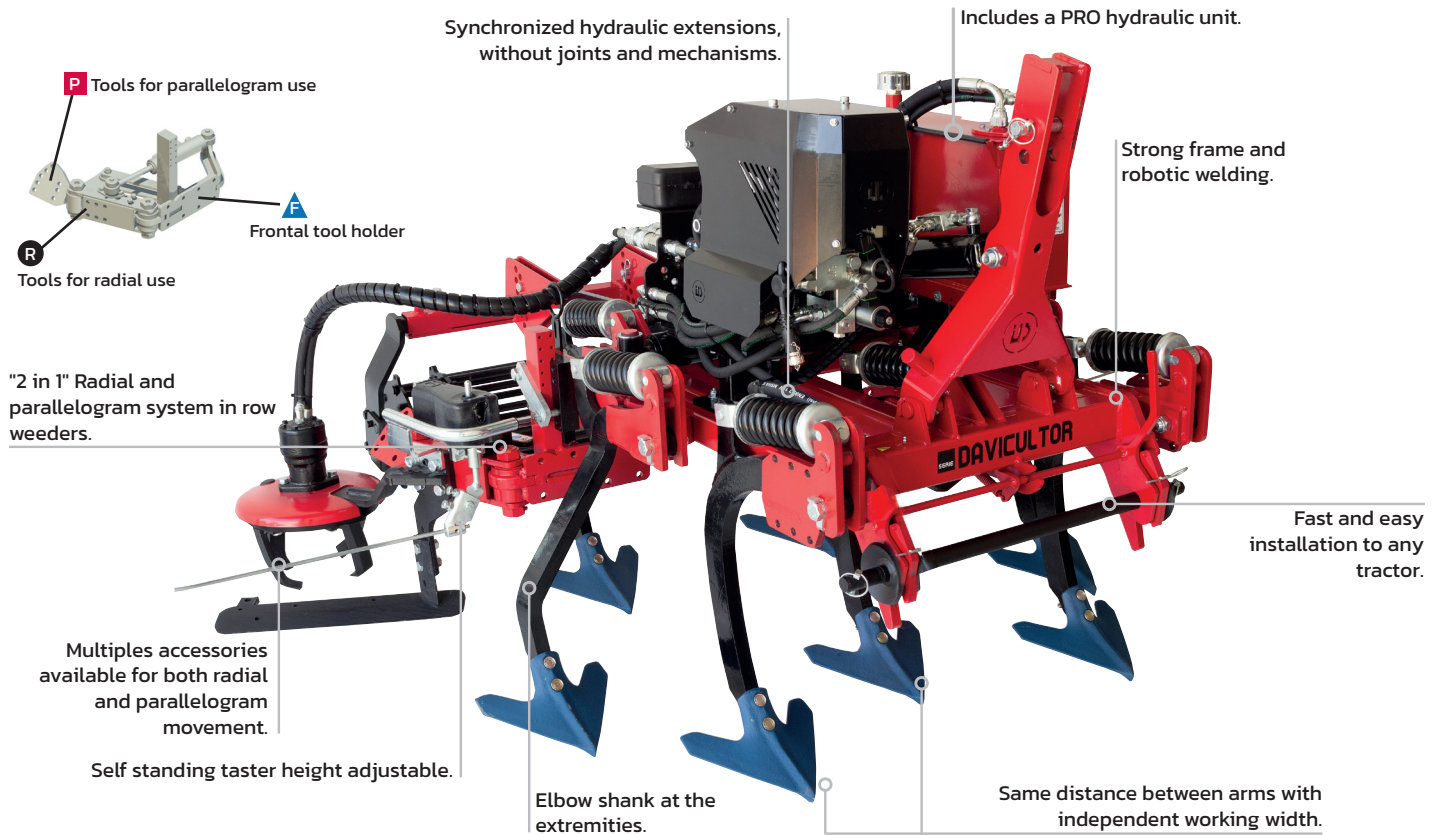
DAVID
SMART FARMING SOLUTIONS

SERIE

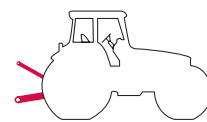
DAVICULTOR



Cultivators with hydraulic width adjustment and in-row weeder, specially designed for primary tillage in vineyards and orchards.



PICTURE MODEL:
CXH7-P + TH-EC + RA30-12-P



Versatility

- The widest range of products and accessories on the market. A custom configuration to suit your needs.
- Multiple tools for the in-row weeder that allow both surface working and tillage up to 20 cm deep.
- The ID-CONTROL joystick allows to control all the machines manufactured by ID David and equipped with the ID-PLUS or ID-MICRO technology.

Reliability

- Components and materials of high quality from certified manufacturers.
- The maintenance is reduced to a minimal due to the total absence of joints and ball joints as well as the heavy duty width extensions.
- Experience in the manufacture of electrohydraulic undervine weeders since 1974.

Exclusivity

- The exclusive undervine weeder that combines the "parallelogram-radial" movement.
- Opportunity to work between plants starting from 1 cm diameter thanks to our adjustable and progressive electronic sensor, the arm is moving at the right time to save the plant.
- The special position of the tines makes possible to work always at the same distance between them, whether the cultivator is completely extended or narrowed, avoiding jamming.

Safety

- As standard all models are fitted with an exclusive safety locking system in case of faults.
- Enables route deviations up to 30 cm in the plantation rows.
- Our equipment incorporates easy, comfortable and safe tool replacement systems.

Effectiveness

- Time is valuable, it is possible to work up to 12 km/h with a standard soil conditions.
- The easy adjusting of hydraulic pressure of the in row weeder assured a perfect work in any type of soil.
- The reinforced structure, hydraulically width adjustable, and the special tines enable to work with different types of ploughshare reaching a working depth of up to 25 cm.

Sustainability

- Ecological alternative to the use of herbicides.
- The low power required allows the use of small tractors with a lower carbon footprint.
- Improves the structure and porosity of the soil.

Standard Equipment

- Includes a PRO hydraulic unit.
- Anti-shock sensor protector.
- Kit of Shank + Spring + Plowshare DAVID by Bellota.
- Hydraulic pressure regulator.
- Electro hydraulic in row weeder.
- Tool kit for sensor regulation.
- Arm "D" and Plough blade to weed manufactured in boron steel.
- Quick connect kit for power tools.
- Security system under damages.
- Standard boron steel plowshare, hardness 50Hrc.
- Adjustable rear roller in height and width.
- Hydraulic width adj. direct to tractor (not available in fixed models).
- Quick attachment.

Remote control type

ID-PLUS

- Includes ID-CONTROL multifunction joystick.
- Includes ON-OFF of powered tools.
- Includes an electronic microcontroller: allows software updates at any time.
- Up to 5 additional electro-hydraulic functions.
- Includes a modular electro-hydraulic system: it allows to increase the number of electro-hydraulic functions.

ID-MICRO






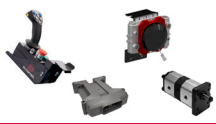
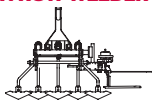
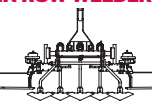
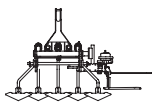
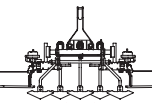
- ! NOT included the ID-CONTROL multifunction joystick.
- Only for customers who already have the ID-CONTROL multifunction joystick.
- Includes ON-OFF of powered tools.
- Includes an electronic microcontroller: allows software updates at any time.
- Up to 5 additional electro-hydraulic functions.
- Includes a modular electro-hydraulic system: it allows to increase the number of electro-hydraulic functions.

ID-BASIC

- Includes an electric control box.
- Max. 1 additional electro-hydraulic function to choose between: PI-002 / PI-004 / EH-EC / TH-EC / IH-EC
- ! NOT allowed any updates of electro-hydraulic functions.



ID-PLUS DUAL

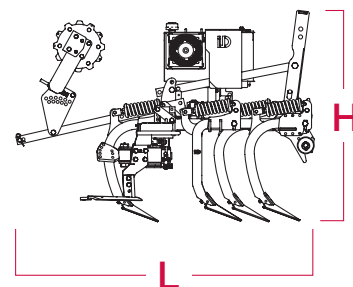
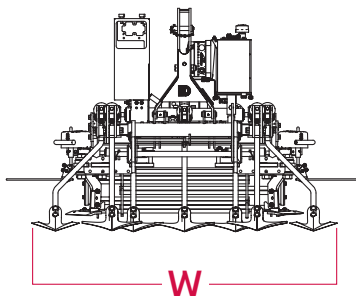
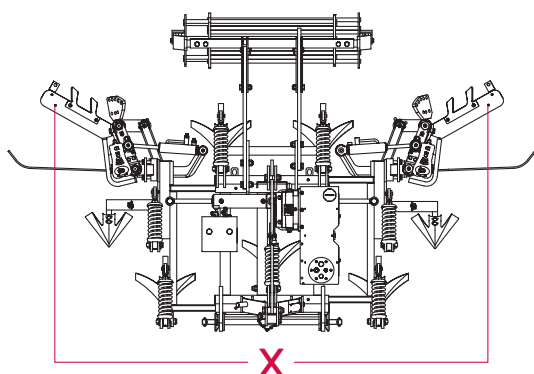
- Includes ID-CONTROL multifunction joystick.
- Includes ON-OFF of powered tools. Includes cooler and double pump.
- Includes an electronic microcontroller: allows software updates at any time.
- Up to 4 additional electro-hydraulic functions.
- Includes a modular electro-hydraulic system: it allows to increase the number of electro-hydraulic functions.

						
DAVICULTOR	cm. ud	m	REF.	REF.	REF.	REF.
FIX MANUAL EXTENSION 1 IN ROW WEEDER 	49 2	≥ 1,10	CXF2-1-D	CXF2-2-D	CXF2-3-D	CXF2-4-D
	49 3	≥ 1,40	CXF3-1-D	CXF3-2-D	CXF3-3-D	CXF3-4-D
	55 5	≥ 1,90	CXF5-1-D	CXF5-2-D	CXF5-3-D	CXF5-4-D
FIX MANUAL EXTENSION 2 IN ROW WEEDER 	49 2	1,10-1,50	CXF2-1-P	CXF2-2-P	CXF2-3-P	CXF2-4-P
	49 3	1,40-1,90	CXF3-1-P	CXF3-2-P	CXF3-3-P	CXF3-4-P
	55 5	1,90-2,35	CXF5-1-P	CXF5-2-P	CXF5-3-P	CXF5-4-P
HYDRAULIC EXTENSION 1 IN ROW WEEDER 	55 7	≥ 2,05	CXH7-1-D	CXH7-2-D	CXH7-3-D	CXH7-4-D
	55 7	≥ 2,30	CXH7A-1-D	CXH7A-2-D	CXH7A-3-D	CXH7A-4-D
	55 9	≥ 2,25	CXH9-1-D	CXH9-2-D	CXH9-3-D	CXH9-4-D
	55 9	≥ 2,50	CXH9A-1-D	CXH9A-2-D	CXH9A-3-D	CXH9A-4-D
	55 11	≥ 2,80	CXH11-1-D	CXH11-2-D	CXH11-3-D	CXH11-4-D
	65 11	≥ 3,25	CXH11A-1-D	CXH11A-2-D	CXH11A-3-D	CXH11A-4-D
	65 13	≥ 3,50	CXH13-1-D	CXH13-2-D	CXH13-3-D	CXH13-4-D
HYDRAULIC EXTENSION 2 IN ROW WEEDER 	55 5	1,95-2,35	*CXH5-1-P	*CXH5-2-P	*CXH5-3-P	*CXH5-4-P
	55 7	2,05-2,55	CXH7-1-P	CXH7-2-P	CXH7-3-P	CXH7-4-P
	55 7	2,30-2,80	CXH7A-1-P	CXH7A-2-P	CXH7A-3-P	CXH7A-4-P
	55 9	2,25-2,95	CXH9-1-P	CXH9-2-P	CXH9-3-P	CXH9-4-P
	55 9	2,50-3,20	CXH9A-1-P	CXH9A-2-P	CXH9A-3-P	CXH9A-4-P
	55 11	2,80-3,50	CXH11-1-P	CXH11-2-P	CXH11-3-P	CXH11-4-P
	65 11	3,25-3,95	CXH11A-1-P	CXH11A-2-P	CXH11A-3-P	CXH11A-4-P
	65 13	3,50-4,20	CXH13-1-P	CXH13-2-P	CXH13-3-P	CXH13-4-P

*This model hydraulically extends only the two undervines.

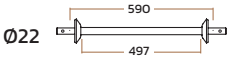
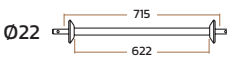
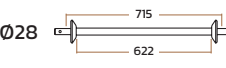
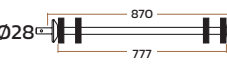
Technical details

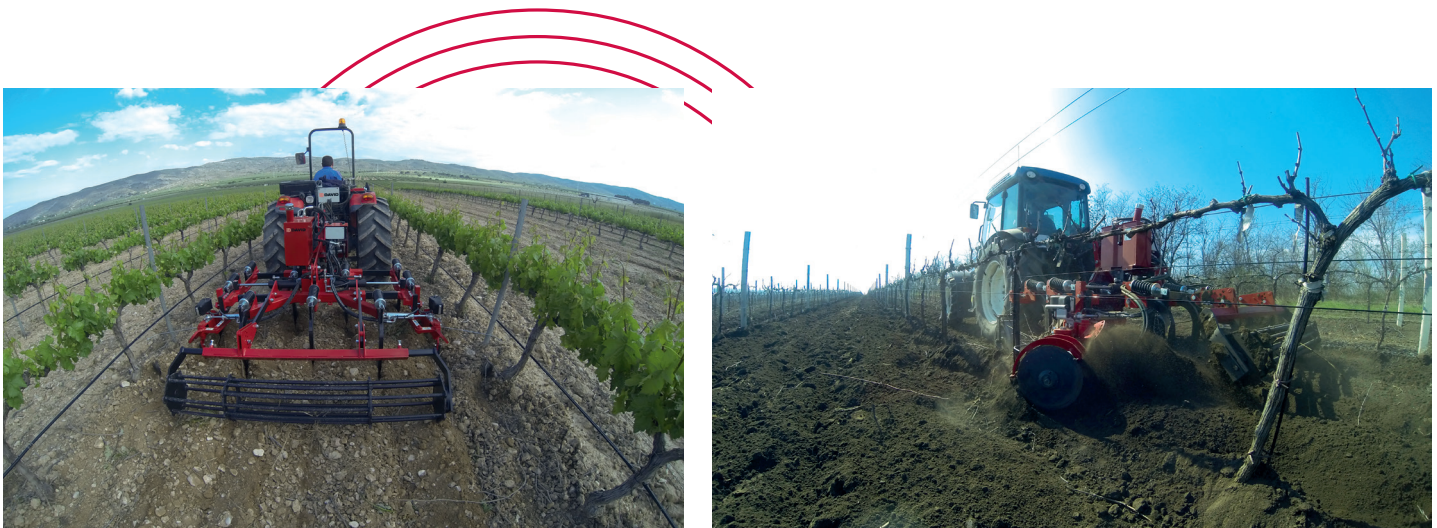
DAVICULTOR		X			L	W	H
	REF.	m	kg	HP	m	m	m
FIX MANUAL EXTENSION 1 IN ROW WEEDER	CXF2-D	≥ 1,10	315	20	1,90	0,70	1,30
	CXF3-D	≥ 1,40	345	25	1,50	0,90	1,30
	CXF5-D	≥ 1,90	425	50	1,60	1,40	1,30
FIX MANUAL EXTENSION 2 IN ROW WEEDER	CXF2-P	1,10-1,50	385	25	1,90	0,70	1,30
	CXF3-P	1,40-1,90	405	30	1,50	0,90	1,30
	CXF5-P	1,90-2,35	485	55	1,60	1,40	1,30
HYDRAULIC EXTENSION 1 IN ROW WEEDER	CXH7-D	≥ 2,05	625	55	1,65	1,70	1,30
	CXH7A-D	≥ 2,30	635	60	1,65	1,85	1,30
	CXH9-D	≥ 2,25	710	70	1,65	1,90	1,30
	CXH9A-D	≥ 2,50	720	75	1,65	2,05	1,30
	CXH11-D	≥ 2,80	800	85	1,65	2,45	1,30
	CXH11A-D	≥ 3,25	810	90	1,65	2,60	1,30
	CXH13-D	≥ 3,50	890	95	1,65	2,95	1,30
HYDRAULIC EXTENSION 2 IN ROW WEEDER	CXH5-P	1,95-2,35	505	55	1,60	1,40	1,30
	CXH7-P	2,05-2,55	690	60	1,65	1,70	1,30
	CXH7A-P	2,30-2,80	700	65	1,65	1,85	1,30
	CXH9-P	2,25-2,95	775	75	1,65	1,90	1,30
	CXH9A-P	2,50-3,20	785	80	1,65	2,05	1,30
	CXH11-P	2,80-3,50	860	90	1,65	2,45	1,30
	CXH11A-P	3,25-3,95	910	95	1,65	2,60	1,30
	CXH13-P	3,50-4,20	955	100	1,65	2,95	1,30

















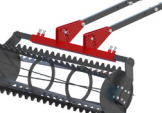

Drawbar


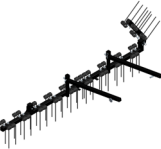

S Standard
 • Optional
 (Replace standard)

					
		REF. BE-2259	REF. BE-2271	REF. BE-2871	REF. BE-2887
FIX MANUAL EXTENSION 1 IN ROW WEEDER	CXF3-D	S			
	CXF5-D		•	S	
FIX MANUAL EXTENSION 2 IN ROW WEEDER	CXF3-P	S			
	CXF5-P		•	S	
HYDRAULIC EXTENSION 1 IN ROW WEEDER	CXH7-D		•	S	
	CXH7A-D		•	S	
	CXH9-D		•	S	•
	CXH9A-D		•	S	•
	CXH11-D		•	S	•
	CXH11A-D		•	S	•
	CXH13-D		•	•	S
HYDRAULIC EXTENSION 2 IN ROW WEEDER	CXH5-P		•	S	
	CXH7-P		•	S	
	CXH7A-P		•	S	
	CXH9-P		•	S	•
	CXH9A-P		•	S	•
	CXH11-P		•	S	•
	CXH11A-P		•	S	•
	CXH13-P		•	•	S



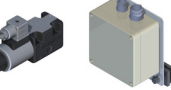


Cultivator Accessories and Options










	DESCRIPTION	OBSERVATIONS		REF.
	Wide plow blade with rib 330x8mm + screws	Standard included	Unitary	GA-1
	Plow blade with rib 275x8mm + screws		Unitary	GN-1
	Double coil tines 70x8mm + screws		Unitary	CM-1
	Supplementary wings 280x8mm + screws	Adaptable to fits in double coil tines	Unitary	AL-1
	Boot+chisel+flat grid 400mm	Adaptable accessory arm		BFR400
	Additional extension (female-female)		120 mm	SE1-HH
	Cultivator reinforced spring	Replace standard spring	Unit	MRC
		Extra	Unit	MRC-1
	Hydraulic 3 point hitch	Directly to the tractor		TH-DT
		Electric control in cab (1 electrovalve)		TH-EC
	Solenoid valve for hydraulic extension Integrated in control box			EH-EC
	Pair of smooth metallic wheels frontal mounting	Adjustable in height		RMD-P
	Adjustable roller Ø27cm	0,60 m	CXF2	ROSE
		0,97 - 1,35 m	CXF3-CXF5	R1SE
		1,17 - 1,57 m	CXH7-CXH7A	R2SE
		1,56 - 2,36 m	CXH9-CXH9A	R4SE
		1,76 - 2,76 m	CXH11 / 11A	R5SE
		2,31 - 3,31 m	CXH13 / 13A	R6SE
*Included as standard Height and width				
	Roller Ø40cm fix helical	0,82 m	CXF3	RFOSY
		1,05 m	CXF5	RF1SY
		1,40 m	CXH7-CXH7A	RF2SY
		1,75 m	CXH9-CXH9A	RF4SY
		2,25 m	CXH11 / 11A	RF5SY
		2,50 m	CXH13 / 13A	RF6SY
*Replaced the adjustable Ø27 roller Adjustable in height				
	Rear plank + Arms + Chains	1,75 m		TT175
		2,25 m		TT225
		2,50 m		TT250
		2,75 m		TT275



	DESCRIPTION	OBSERVATIONS		REF.
	Floating barb rake	0,88 m	CXF3	RPF3
		0,88 - 1,46 m	CXF5	RPF5
		1,48 - 2,06 m	CXH7-CXH7A	RPF7
		1,64 - 2,36 m	CXH9-CXH9A	RPF9
		2,24 - 2,96 m	CXH11 / 11A	RPF11
		2,70 - 3,41 m	CXH13 / 13A	RPF13
	Adapted barb rake behind the roller	0,88 m	CXF3	RP3
		0,88 - 1,46 m	CXF5	RP5
		1,48 - 2,06 m	CXH7-CXH7A	RP7
		1,64 - 2,36 m	CXH9-CXH9A	RP9
		2,24 - 2,96 m	CXH11 / 11A	RP11
		2,70 - 3,41 m	CXH13 / 13A	RP13

Pre-installations and updates Accessories and Options

	DESCRIPTION	OBSERVATIONS		REF.
	Upgrade kit for tools quick coupling			KC-002
	Pre-installation in-row weeder left side/ electrohydraulic system			PI-001
	Pre-installation solenoid valve	1 extra function double acting	for ID-BASIC	PI-002
		on/off motorized tools		PI-004

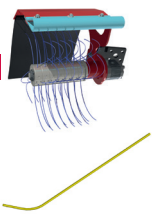




Undervine weeders Accessories and Options

	DESCRIPTION	OBSERVATIONS		REF.
	Standard oil cooler	Adaptable to PRO hydraulic power plant	Intake 12V	A15-01-PRO
	Pressure filter kit + oil cooler	Replaces hydraulic power plant . Not available for ID- PLUS DUAL.	Intake 12V Tractor plugs connection.	 +2 KFP-03
	Hydraulic side slope correction for in-row weeders	Directly to the tractor	Unit	 +2 IH-DT
	*Increases working width of 10 cm Inclination: + 21°, -10°	Electric cabine	Unit	IH-EC
	Grass bend down system		Right	STH-D
			Pair	STH-P
	Ultrasensible kit for sensitive sensor	Ideal vineyards ≤ 1 cm	Unit	KU-1
	Reinforced in row weeder cylinder for hard soil	Replaces standard cylinder. Recommended oil cooler.	Unit	CIA-R

	DESCRIPTION	OBSERVATIONS	REF.
	Distance Control with cable	for ID-PLUS / ID-MICRO	Right MD1-D
			Pair MD1-P
		for ID-BASIC	Right MD2-D
			Pair MD2-P
	Electrohydraulic kit for quick-connection (connection-disconnection)	In row weeder connection-disconnection	Right KER-IA-D
		Not available for ID-BASIC	Pair KER-IA-P






Undervine weeders









Tools for PARALLELOGRAM USE P


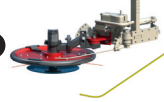
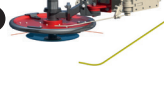


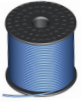
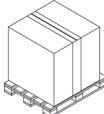
	DESCRIPTION	OBSERVATIONS	REF.
	Shoot remover kit + Sensor rod + String spool 250 mm working width	CXH-3 CXH-5	DBR25-11-D
		CXH-7	Right DBR25-5-D
		CXH-9	
		CXH-11 CXH-13	
		CXH-3 CXH-5	Pair DBR25-6-D
		CXH-7	
		CXH-9	
		CXH-11 CXH-13	
	*Recommended oil cooler Available only for vineyards with at least 40 cm free to the ground or to any obstacle		DBR25-7-D
	Arm B + fixed ploughshare + Sensor rod kit	310x480x400mm	Right BB-VFD
			Pair BB-VFP
	Arm C + adjustable ploughshare + sensor rod kit	410x540x430mm	Right BC-VRD
			Pair BC-VRP
	Arm E + fixed ploughshare with ridging element + sensor rod kit		Right BE-VFD
			Pair BE-VFP
	Retractable extra cleaner blade with spring for ploughshare		Right EM-D
			Pair EM-P

Undervine weeders

Tools for RADIAL USE R

	DESCRIPTION	OBSERVATIONS	REF.
	Arm D + weeding blade + sensor rod kit	Standard included	Right BD-CPD
			Pair BD-CPP
	Kit right weeding blade + sensor rod		Cut 49 cm RCI49D
			Standard 55 cm RCI55D
			Long 65 cm RCI65D
			Cut 49 cm RCI49P
	Kit pair of weeding blade + sensor rod		Standard 55 cm RCI55P
			Long 65 cm RCI65P
	Kit weeding blade made by Tugstene + sensor rod	Right	RCHD55D
	Kit weeding blade made by Tugstene + sensor rod	Pair	Standard 55 cm RCHD55P

☐	DESCRIPTION	OBSERVATIONS	REF.
	Retractable extra cleaner blade "V" for blade	Right	EV-D
		Pair	EV-P
	Blade shovel	Right	VO-D
		Pair	VO-P
R	 Kit mini reversible plough kit 2 discs Ø13.5" + sensor rod 250 mm working width	Right	CXH-3 CXH-5 MAD25-11-D
			CXH-7 MAD25-5-D
			CXH-9 MAD25-6-D
			CXH-11 CXH-13 MAD25-7-D
		Pair	CXH-3 CXH-5 MAD25-11-P
			CXH-7 MAD25-5-P
			CXH-9 MAD25-6-P
	*Recommended oil cooler and reinforced cylinder		CXH-11 CXH-13 MAD25-7-P
R	 Kit mini reversible plough kit 3 discs Ø13.5" + sensor rod 350 mm working width	Right	CXH-3 CXH-5 MAD35-11-D
			CXH-7 MAD35-5-D
			CXH-9 MAD35-6-D
			CXH-11 CXH-13 MAD35-7-D
		Pair	CXH-3 CXH-5 MAD35-11-P
			CXH-7 MAD35-5-P
			CXH-9 MAD35-6-P
	*Recommended oil cooler and reinforced cylinder		CXH-11 CXH-13 MAD35-7-P
	Retractable extra cleaner blade for mini harrow disc	Right	EMD-D
		Pair	EMD-P
R	 Kit Rotary hoe Ø300mm + sensor rod	Right	CXH-3 CXH-5 RA30-11-D
			CXH-7 RA30-5-D
			CXH-9 RA30-6-D
			CXH-11 CXH-13 RA30-7-D
		Pair	CXH-3 CXH-5 RA30-11-P
			CXH-7 RA30-5-P
			CXH-9 RA30-6-P
	*Possibility of simultaneous use with weeding blade (not included) Recommended oil cooler + reinforced cylinder		CXH-11 CXH-13 RA30-7-P
R	 Kit Rotary hoe Ø400mm + Sensor rod	Right	CXH-3 CXH-5 RA40-11-D
			CXH-7 RA40-5-D
			CXH-9 RA40-6-D
			CXH-11 CXH-13 RA40-7-D
		Pair	CXH-3 CXH-5 RA40-11-P
			CXH-7 RA40-5-P
			CXH-9 RA40-6-P
	*Possibility of simultaneous use with weeding blade (not included) Recommended oil cooler + reinforced cylinder		CXH-11 CXH-13 RA40-7-P
R	 Kit Rotary hoe Ø500mm + Sensor rod	Right	CXH-3 CXH-5 RA50-11-D
			CXH-7 RA50-5-D
			CXH-9 RA50-6-D
			CXH-11 CXH-13 RA50-7-D
		Pair	CXH-3 CXH-5 RA50-11-P
			CXH-7 RA50-5-P
			CXH-9 RA50-6-P
	*Recommended oil cooler and reinforced cylinder		CXH-11 CXH-13 RA50-7-P

	DESCRIPTION		OBSERVATIONS	REF.		
	Kit string mower Ø400mm + Sensor rod + String reel	CXH-3 CXH-5	Right	GS40H-11-D		
		CXH-7		GS40H-5-D		
		CXH-9		GS40H-6-D		
		CXH-11 CXH-13		GS40H-7-D		
		CXH-3 CXH-5	Pair	GS40H-11-P		
		CXH-7		GS40H-5-P		
		CXH-9		GS40H-6-P		
		CXH-11 CXH-13		GS40H-7-P		
		*Recommended oil cooler				
			Kit string mower Ø500mm + Sensor rod + String reel	CXH-3 CXH-5	Right	GS50H-11-D
CXH-7	GS50H-5-D					
CXH-9	GS50H-6-D					
CXH-11 CXH-13	GS50H-7-D					
CXH-3 CXH-5	Pair			GS50H-11-P		
CXH-7				GS50H-5-P		
CXH-9				GS50H-6-P		
CXH-11 CXH-13				GS50H-7-P		
*Recommended oil cooler						
	Kit string mower Ø600mm + Sensor rod + String reel			CXH-3 CXH-5	Right	GS60H-11-D
		CXH-7	GS60H-5-D			
		CXH-9	GS60H-6-D			
		CXH-11 CXH-13	GS60H-7-D			
		CXH-3 CXH-5	Pair	GS60H-11-P		
		CXH-7		GS60H-5-P		
		CXH-9		GS60H-6-P		
		CXH-11 CXH-13		GS60H-7-P		
		ID PLUS DUAL control required				
			Kit for modification of string mower with boron steel blades	Only available for new machine	Right	KSGSH-D
	Pair			KSGSH-P		
	Square string spool	for mower	45 m	BHN-03		
	Nylon string blue spool	for brush head	90 m	BHN-01		
	Packaging	Basic		EMB-1		
		Airfreight- oceanfreight		EMB-3		

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