

# APV TINED WEEDER

AS 300 M1 / AS 600 M1 / AS 900 M1 / AS 1200 M1

THE ALL-ROUNDER FOR THE MODERN ORGANIC FARM



AMBITION. PASSION. VISION.



# YOUR BENEFITS OF THE TINED WEEDER

## HOW IT WORKS

The tines penetrate the soil while harrowing to a maximum depth of 2-3 cm to break up and crumble the upper soil crust. This ensures better soil aeration and the capillary action is interrupted. The primary focus of the harrow is on controlling unwanted weeds. While the tines sweep over the soil, the weeds, which are still in threads or germinating stage, are being buried or pulled out, and deposited on the surface. They wither and die off. This means that approximately 90% of the weed germs are getting decimated.



## DISTINCTIVE FEATURES OF THE TINES

The 7 mm tines take care of the crucial work. They are arranged in 6 rows with a tine spacing of 31.25 mm, which is a result of extensive long term testing to achieve a uniform working pattern across the entire working width from one harrow section to the next. Take advantage of a longer service life of the Tined Weeder due to 20 mm longer wear tips of our tines compared to our competitors. Furthermore, the higher bend angle ensures an ideal harrow result.



## COMBINATION OPTIONS

The Tined Weeder can be combined with the Pneumatic Seeders from MDP to PS 500 M2 and with the Single Disc Spreader ES 100 M1 Classic.



# OUR FOCUS ON EFFICIENCY



## EXACT

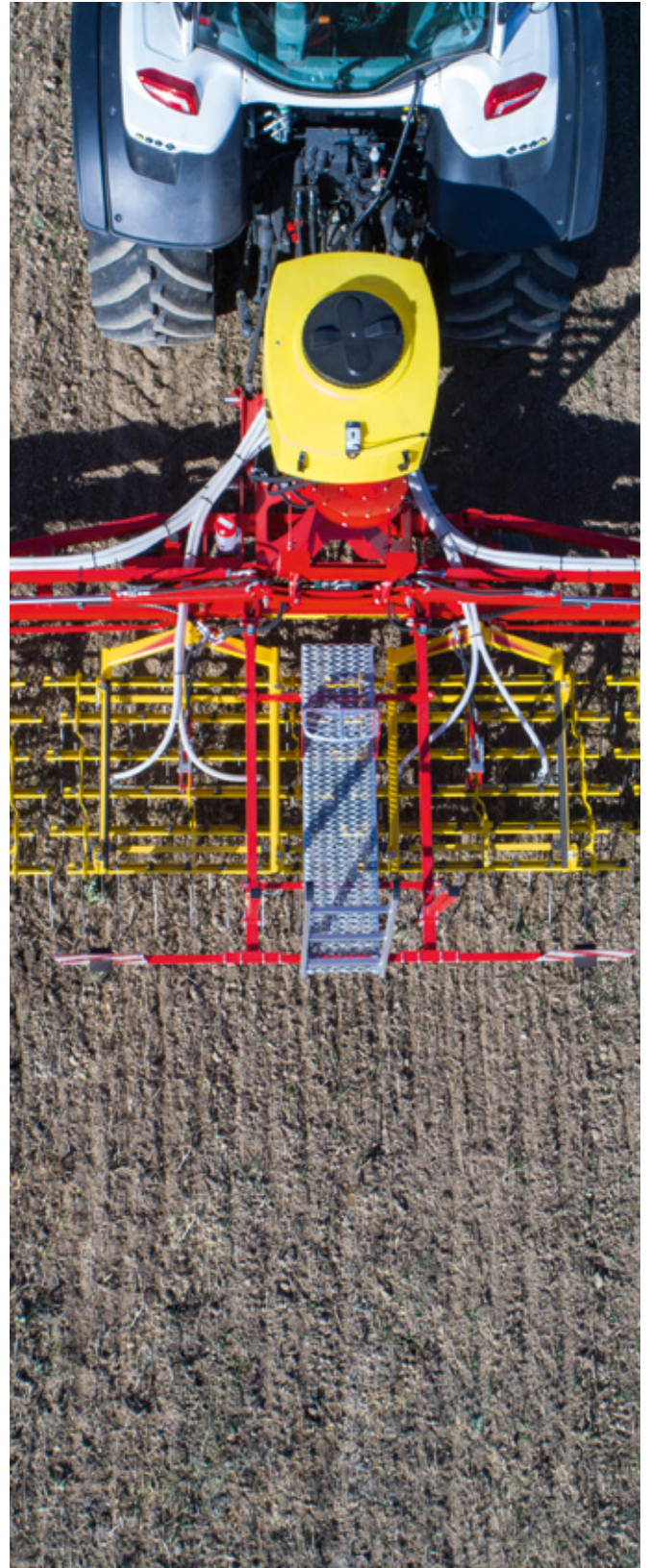
- Uniform work pattern.
- Independent ground adaptation of each individual harrow section to the contours of the soil.
- Greater bend angles of the tines for excellent harrow results.
- Constant ground adaptation of the harrow sections through chain suspension.
- Individual suspensions and lateral compensation of each individual fork ensures uniform application of pressure by the forks on the harrow sections on undulating ground.

## VERSATILE

- Possibility to mount 6 mm, 7 mm and 8 mm tines.
- Feeler wheels can also be adjusted to the track width.
- AS 600 is extendable to 9 m, AS 900 to 12 m.
- 8" feeler wheels ensure quieter running.

## COMFORTABLE

- Longer service life due to 20 mm longer wear tip of the tines.
- Smooth folding due to curve control and longer hydraulic cylinders.
- Lower link catch tongue for easier coupling of the harrow.
- Easy central tine adjustment per section due to screwless connections.
- Lateral sections are automatically pivoted in due to parallel guidance.





## SPECIFICATIONS

	AS 300	AS 600   AS 900 rigid	AS 900 Scissor folding	AS 1200 Scissor folding
Working width	3 m	6 m   9 m	9 m	12 m
Transport dimensions (folded) in m (HxWxD)	1.50 x 3.00 x 2.20	3.10 x 3.00 x 2.20 3.80 x 3.00 x 2.20	3.55 x 3.00 x 2.40	3.55 x 3.00 x 2.40
Net weight	380 kg	670 kg   950 kg	1,150 kg	1,300 kg
Tine length	450 mm			
Tine diameter	6, 7 or 8 mm			
Tine spacing	31.25 mm			
Number of tines	96 pcs.	192 pcs. 288 pcs.	288 pcs.	384 pcs.
Number of tines per section	48 pcs.			
Mounting category	CAT 2 or CAT 3N			
Feeler wheels (18.5x8.5-8" tyres)	2 pcs.	2 pcs.   4 pcs.	4 pcs.	4 pcs.
Tractor performance	22 kW / 30 HP	44 kW / 60 HP 51 kW / 70 HP	59 kW / 80 HP	66 kW / 90 HP

A double-acting control unit is required for folding

**Scissor folding:** We recommend hydraulic tine adjustment for convenient use and an ideal folding process!

## ITEMS INCLUDED

- Complete implement with 1.5 m wide harrow sections
- Parking supports
- Grab handles on all feeler wheels to adjust height

## APPLICATIONS

- Blind harrowing
- Cereals, maize, grain legumes
- Special crops: Pumpkins, sunflowers, etc.



# TINED WEEDER AS

**AS 300 M1 / AS 600 M1 / AS 900 M1 RIGID**

## ADVANTAGES

- The Tined Weeder is the basic model for mechanical weed control
- Tines spill or pull out unwanted weeds
- Uniform work pattern across 10ft, 20ft or 30 ft (3m, 6m or 9m) thanks to the ideal line spacing of exactly 1.2 in (31.25mm)
- Greater bend angle of the tines for optimal harrowing results
- 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines can be mounted
- Uniform application of pressure by the forks to the tine sections on uneven ground

## TECHNICAL DATA

	AS 300 M1	AS 600 M1	AS 900 M1
Working width	10 ft (3m)	20 ft (6m)	30 ft (9m)
Transport dimensions (folded) in ft (H x W x D)	4.9 x 10 x 7.2 (1.50x3.00x2.20m)	10.2 x 10 x 7.2 (3.10x3.00x2.20m)	12.5 x 10 x 7.2 (3.80x3.00x2.20m)
Net weight	838 lbs (380kg)	1,477 lbs (670kg)	2,095 lbs (950kg)
Tine length	17.7 in (450mm)		
Tine diameter	0.28 in (7mm)		
Line spacing	1.2 in (31.25mm)		
Number of tines	96 pcs.	192 pcs.	288 pcs.
Number of tines per section	48 pcs.		
Mounting category	CAT 2 or CAT 3N		
Feeler wheels (18.5x8.5–8" tyres)	2 pcs.	2 pcs.	4 pcs.
Tractor performance	22 kW / 30 HP	44 kW / 60 HP	51 kW / 70 HP

**▲** A single-acting or, at extra cost, a double-acting control unit is required for folding

## STANDARD SCOPE OF DELIVERY

- Complete implement, each with 5 ft (1.5m)-wide tine sections
- Parking supports
- Front feeler wheels with grooved profile, 2 or 4 pieces depending on working width
- Handle on all of the feeler wheels for height adjustment
- 6 rows of tines with 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines
- Mechanical or optional hydraulic tine adjustment



ITEM NO.	TINED WEEDER		
07034-6-022	AS 300 M1 <sup>1</sup> (0.24 in (6mm) tines)	\$	6,349.00
07034-6-023	<b>AS 300 M1<sup>1</sup> (0.28 in (7mm) tines)</b>	<b>\$</b>	<b>6,381.00</b>
07034-6-024	AS 300 M1 <sup>1</sup> (0.32 in (8mm) tines)	\$	6,447.00
07017-6-192	AS 600 M1 <sup>1</sup> (0.24 in (6mm) tines)	\$	10,583.00
<b>07017-6-193</b>	<b>AS 600 M1<sup>1</sup> (0.28 in (7mm) tines)</b>	<b>\$</b>	<b>10,649.00</b>
07017-6-194	AS 600 M1 <sup>1</sup> (0.32 in (8mm) tines)	\$	10,780.00
07016-6-075	AS 900 M1 <sup>1</sup> (0.24 in (6mm) tines)	\$	16,759.00
<b>07016-6-076</b>	<b>AS 900 M1<sup>1</sup> (0.28 in (7mm) tines)</b>	<b>\$</b>	<b>16,857.00</b>
07016-6-077	AS 900 M1 <sup>1</sup> (0.32 in (8mm) tines)	\$	17,054.00

We would be pleased to configure your own custom implement, for example: setup with Pneumatic Seeders. APV offers you many options. Please contact your APV sales representative for more information.

ITEM NO.	TOP-SELLER		
07034-6-025	AS 300 M1 incl. warning signs + LED lighting	\$	7,210.00
07017-6-195	AS 600 M1 incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$	16,089.00
07016-6-078	AS 900 M1 incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$	23,007.00

ITEM NO.	DOUBLE-ACTING FOLDING		
07002-2-107	Double-acting hydraulic cylinder accessories kit	\$	376.00

## COMBINATION OPTIONS

AS 300: can be used with Multi-Metering System MDP 100 M1 with 4 outlets: see page 14 or Single Disc Spreader ES 100 M1 Classic:

AS 600–AS 900: can be used with Pneumatic Seeders with electric fan / electric fan PLUS or hydraulic fan PS 120 M1, PS 200 M1, PS 300 M1 and PS 500 M2:

<sup>1</sup> Transport note: the Tined Weeder is delivered partially assembled on a pallet.



# TINED WEEDER AS

## AS 900 M1 / AS 1200 M1 SCISSORS FOLDING

### ADVANTAGES

- The Tined Weeder is the basic model for mechanical weed control
- Tines spill or pull out unwanted weeds
- Uniform work pattern across 30 ft or 40 ft (9 or 12 m) thanks to the ideal line spacing of exactly 1.2 in (31.25mm)
- Greater bend angle of the tines for optimal harrowing results
- 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines can be mounted
- Uniform application of pressure by the forks to the tine sections on uneven ground

### TECHNICAL DATA

	AS 900 M1 Scissors folding	AS 1200 M1 Scissors folding
Working width	30 ft (9m)	40 ft (12m)
Transport dimensions (folded) in ft (HxWxD)	11.6 x 10 x 7.9 (3.55x3.00x2.40m)	11.6 x 10 x 7.9 (3.55x3.00x2.40m)
Net weight	2,535 lbs (1,1150kg)	2,866 lbs (1,300kg)
Tine length	17.8 in (450mm)	
Tine diameter	0.28 in (7mm)	
Line spacing	1.2 in (31.25mm)	
Number of tines	288 pcs.	384 pcs.
Number of tines per section	48 pcs.	
Mounting category	CAT 2 or CAT 3N	
Feeler wheels (18.5x8.5–8" tyres)	4 pcs.	
Tractor performance	59 kW / 80 HP	66 kW / 90 HP

**▲** For convenient operation and an optimum folding process, we recommend the hydraulic tine adjustment!

### STANDARD SCOPE OF DELIVERY

- Complete implement, each with 5 ft (1.5m)-wide tine sections
- Parking supports
- Front feeler wheels with grooved profile, 2 or 4 pieces depending on working width
- Handle on all of the feeler wheels for height adjustment
- 6 rows of tines with 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines
- Mechanical or optional hydraulic tine adjustment



ITEM NO.	TINED WEEDER	
07021-6-087	AS 900 M1 scissors folding <sup>1</sup> (0.24 in (6mm) tines) final assembly	\$ 20,648.00
<b>07021-6-088</b>	<b>AS 900 M1 scissors folding<sup>1</sup> (0.28 in (7mm) tines) final assembly</b>	<b>\$ 20,746.00</b>
07021-6-089	AS 900 M1 scissors folding <sup>1</sup> (0.32 in (8mm) tines) final assembly	\$ 20,943.00
07015-6-144	AS 1200 M1 scissors folding <sup>1</sup> (0.24 in (6mm) tines) final assembly	\$ 24,252.00
<b>07015-6-145</b>	<b>AS 1200 M1 scissors folding<sup>1</sup> (0.28 in (7mm) tines) final assembly</b>	<b>\$ 24,383.00</b>
07015-6-146	AS 1200 M1 scissors folding <sup>1</sup> (0.32 in (8mm) tines) final assembly	\$ 24,645.00

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ITEM NO.	TOP-SELLER	
07021-6-090	AS 900 M1 scissors folding incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$ 27,514.00
07015-6-147	AS 1200 M1 scissors folding incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$ 32,969.00

## COMBINATION OPTIONS

Can be used with Pneumatic Seeders with electric fan PLUS or hydraulic fan PS 120 M1, PS 200 M1, PS 300 M1 and PS 500 M2:

<sup>1</sup> Transport note: the Tined Weeder is delivered partially assembled on a pallet.





# CONFIGURATIONS

## AS 600 M1 / AS 900 M1 RIGID

**▲** Pay attention to the correct configuration (CE conformity or UKCA conformity / UKNI conformity)!  
Please contact your APV sales representative if you have any questions.

BASIC IMPLEMENT		BASIC IMPLEMENT	
AS 600 M1 (0.28 in (7mm) tines)	\$ 10,649.00	AS 900 M1 (0.28 in (7mm) tines)	\$ 16,857.00
VERSIONS		VERSIONS	
AS 600 M1 (0.32 in (8mm) tines)	\$ 10,780.00	AS 900 M1 (0.32 in (8mm) tines)	\$ 17,054.00
AS 600 M1 (0.24 in (6mm) tines)	\$ 10,583.00	AS 900 M1 (0.24 in (6mm) tines)	\$ 16,759.00
OPTIONAL ACCESSORIES		AS 600 RIGID	AS 900 RIGID
Hydraulic tine adjustment		\$ 3,373.00	\$ 5,063.00
Warning signs + LED lighting		\$ 1,092.00	\$ 1,092.00
Expansion to 4 feeler wheels		\$ 1,628.00	-----
PS MOUNTING VERSION 1		AS 600 RIGID	AS 900 RIGID
PS 300 electric fan		\$ 5,819.00	-----
PS 300 hydraulic fan 12 outlets		-----	\$ 11,307.00
Mounting kit for seeder <sup>1</sup>		\$ 157.00	\$ 256.00
Platform kit for seeder <sup>1</sup>		\$ 852.00	\$ 852.00
PS MOUNTING VERSION 2		AS 600 RIGID	AS 900 RIGID
PS 500 hydraulic fan		\$ 11,827.00	-----
PS 500 hydraulic fan 12 outlets		-----	\$ 13,242.00
Mounting kit for seeder <sup>1</sup>		\$ 1,289.00	\$ 1,388.00
Platform kit for seeder <sup>1</sup>		\$ 1,719.00	\$ 1,719.00
Headstock for seeder <sup>1</sup>		\$ 2,608.00	\$ 2,608.00
CONTROL BOXES (OPTIONAL)		AS 600 RIGID	AS 900 RIGID
Control Box 1.2		\$ 940.00	\$ 940.00
Control Box 5.2		\$ 1,847.00	\$ 1,847.00
Control Box 6.2		\$ 3,219.00	\$ 3,219.00
ISOBUS M2 for electric fan		\$ 3,034.00	-----
ISOBUS M2 for electric fan PLUS		\$ 2,183.00	\$ 2,183.00
ISOBUS M2 for hydraulic fan		\$ 2,183.00	\$ 2,183.00
SENSORS (POSSIBLE WITH 5.2 & 6.2 & ISOBUS)		AS 600 RIGID	AS 900 RIGID
Sensor set: wheel sensor + linkage sensor top link		\$ 790.00	\$ 790.00
Calibration button		\$ 166.00	\$ 166.00
Fill level sensor		\$ 434.00	\$ 434.00

<sup>1</sup> Is required for mounting a Pneumatic Seeder





## PRACTICAL EXAMPLE: CONFIGURATION OF THE AS 600 WITH PS 300 ELECTRIC

Version:	AS 600 M1 (0.28 in (7mm) tines)	\$	10,649.00
Optional accessories:	Warning signs + LED lighting	\$	1,092.00
PS mounting version 1:	PS 300 M1 electric fan	\$	5,819.00
	Mounting kit for seeder	\$	1,289.00
	Platform kit for seeder	\$	1,719.00
Control Box:	Control Box 5.2	\$	1,847.00
Sensors:	Sensor set: wheel sensor + linkage sensor top link	\$	790.00
	Fill level sensor	\$	363.00
<b>List price SUM</b>		<b>\$</b>	<b>23,568.00</b>





## AS 900 M1 / AS 1200 M1 SCISSORS FOLDING

▲ Pay attention to the correct configuration (CE conformity or UKCA conformity / UKNI conformity)!  
Please contact your APV sales representative if you have any questions.

BASIC IMPLEMENT		BASIC IMPLEMENT	
AS 900 M1 scissors folding (0.28 in (7mm) tines)	\$ 20,746.00	AS 1200 M1 scissors folding (0.28 in (7mm) tines)	\$ 24,383.00
VERSIONS		VERSIONS	
AS 900 M1 scissors folding (0.32 in (8mm) tines)	\$ 20,943.00	AS 1200 M1 scissors folding (0.32 in (8mm) tines)	\$ 24,645.00
AS 900 M1 scissors folding (0.24 in (6mm) tines)	\$ 20,648.00	AS 1200 M1 scissors folding (0.24 in (6mm) tines)	\$ 24,252.00
OPTIONAL ACCESSORIES		AS 900 SCISSORS FOLDING	AS 1200 SCISSORS FOLDING
Hydraulic tine adjustment	\$ 5,062.00	\$ 6,733.00	
Warning signs + LED lighting	\$ 1,495.00	\$ 1,495.00	
PS MOUNTING VERSION 1		AS 900 SCISSORS FOLDING	AS 1200 SCISSORS FOLDING
PS 300 electric fan PLUS 12 outlets	\$ 8,876.00	-----	
PS 300 hydraulic fan 16 outlets	-----	\$ 11,307.00	
Mounting kit for seeder <sup>1</sup>	\$ 1,212.00	\$ 1,289.00	
Platform kit for seeder <sup>1</sup>	\$ 2,608.00	\$ 2,608.00	
PS MOUNTING VERSION 2		AS 900 SCISSORS FOLDING	AS 1200 SCISSORS FOLDING
PS 500 hydraulic fan 12 outlets	\$ 13,242.00	-----	
PS 500 hydraulic fan 16 outlets	-----	\$ 12,820.00	
Mounting kit for seeder <sup>1</sup>	\$ 763.00	\$ 965.00	
Headstock for seeder <sup>1</sup>	\$ 2,608.00	\$ 2,608.00	
Platform kit for seeder <sup>1</sup>	\$ 2,608.00	\$ 2,608.00	
CONTROL BOXES (OPTIONAL)		AS 900 SCISSORS FOLDING	AS 1200 SCISSORS FOLDING
Control Box 1.2	\$ 940.00	\$ 940.00	
Control Box 5.2	\$ 1,847.00	\$ 1,847.00	
Control Box 6.2	\$ 3,219.00	\$ 3,219.00	
ISOBUS M2 for electric fan PLUS	\$ 2,183.00	\$ 2,183.00	
ISOBUS M2 for hydraulic fan	\$ 2,183.00	\$ 2,183.00	
SENSORS (POSSIBLE WITH 5.2 & 6.2 & ISOBUS)		AS 900 SCISSORS FOLDING	AS 1200 SCISSORS FOLDING
Sensor set: wheel sensor + linkage sensor top link	\$ 790.00	\$ 790.00	
Calibration button	\$ 166.00	\$ 166.00	
Fill level sensor	\$ 434.00	\$ 434.00	

<sup>1</sup> Is required for mounting a Pneumatic Seeder



## PRACTICAL EXAMPLE: CONFIGURATION OF THE AS 1200 WITH PS 500 HYDRAULIC

Version:	AS 1200 M1 scissors folding (0.32 in (8mm) tines)	\$	24,645.00
Optional accessories:	Hydraulic tine adjustment	\$	6,733.00
	Warning signs + LED lighting	\$	1,495.00
PS mounting version 2:	PS 500 M2 hydraulic fan	\$	12,820.00
	Mounting kit for seeder	\$	965.00
	Headstock for seeder	\$	2,608.00
	Platform kit for seeder	\$	2,608.00
Control Box:	ISOBUS M2 for hydraulic fan	\$	2,183.00
Sensors:	Calibration button	\$	166.00
	Fill level sensor	\$	434.00
	<b>List price SUM</b>	<b>\$</b>	<b>54,657.00</b>

