

NORTH AMERICA

AGRICULTURAL

2025.0

**INNOVATION
ALWAYS AHEAD**

TMC  **CANCELA**[®]

Javier Cancela



TMC CANCELA 'S GENERAL CONDITIONS

TECHNICAL DATA

_ The technical data in this document is only indicative. TMC CANCELA reserves the right to make any changes to the products without notice.

EC DECLARATION OF CONFORMITY

_ The TMC CANCELA equipment and machines are in accordance with the current Machinery Directive 2006/42/EC (with application from 29/12/2009, replacing the old Directive 98/37/EC).

_ Each machine is accompanied by the EC Declaration of Conformity, the Certificate of Manufacture and the User's Manual, being responsibility of the reseller agent the delivery to the end user.

The information and photographic material contained in this document is indicative.

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The usage of this price list is only reserved for the TMC Cancela authorized dealers and distributors.



MANUFACTURING WITH EXCELLENCE

Javier Cancela

GUIDE

PRODUCT IMAGE

PRODUCT NAME

GENERAL FEATURES



TVS-R

MULCHER

- 1 Body built in high strength steel.
- 2 Pick-up wheels with an hydraulic drive and speed adjustment.
- 3 Rear wheels with hydraulic adjustment.
- 4 Drawbar with a special connection for both drive lines.
- 5 Rake with tines for feeding.
- 6 Mulching system with an open mulching cavity (Patent).
- 7 Rotor with fixed hammers with a patented mulching system.
- 8 Transmission with 4 belts.
- 9 Gearbox with free wheel with a drive shaft of 1.316" 2x-vel double drive line.
- 10 Input to 540 rpm in option 1000 rpm by inversion of pulleys (PS system).
- 11 Replaceable counterblades made in wear-resistant steel.
- 12 PTO shafts included.



P PTO shaft

70V 70V max

33 33" max

HARDOX Hardox

ACE ACE

HOV HOV

PS PS

PS PS



QR CODE (MEDIA)

TECHNICAL DATA

PAGE NUMBERING

MACHINE GROUP

INDUSTRIAL PAPER 7000

	TPS-R-150	TPS-R-180	TPS-R-200
150/170	180/170	200/170	
150/140	180/140	200/140	
150/110	180/110	200/110	
150/80	180/80	200/80	
150/50	180/50	200/50	
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150/-1940	180/-1940	200/-1940	
150/-1970	180/-1970	200/-1970	
150/-2000	180/-2000	200/-2000	



ICONOGRAPHIC FEATURES

TMC CANCELA SYSTEMS



ESB (EXTERNAL SHAFT BEARING)

Built-in system applied to the side extension shafts of the gearbox and drive lines. The bearing of the transmission extension is positioned on the side of the frame ensuring a very close distance between the pulley and this bearing, reducing dramatically the bending in the shaft. This will increase the life of the shaft, reduce the bearing loads and consequently also decrease the temperature in the drive line.



SIDESTEP

System for overcoming obstacles on the sides of forestry and agricultural mulchers. The pulleys surround plates are rigid and the reinforcement fairings make a wedge effect ensuring the lateral rigidity while avoiding obstacles snagging during work. This system reinvented traditional caps that did not act like a real protection, only made the barrier function between pulleys and the environment, but the impacts in some cases bended the cover causing serious problems to the drive line. With the Sidestep, the impacts to the sideways of the machines translate into simple happenings of daily work without any inconvenience to the integrity of the drive line.



ALE (HIGH STRENGTH STEEL)

The steel has two main parts in their behavior, the elastic and plastic. The elastic part is a steel enabling a deformation and subjecting this to recover its initial properties. When we apply a force in the steel and it crosses the line between elastic and plastic, it will be deformed permanently. Each steel has a load value in the passing of the elastic to the plastic zone. The high strength steels have a high values in this load. The A.L.E. cold forming steel has a yield stress value (point from which appears the deformation), which duplicates the value of a traditional steel. TMC Cancela incorporates A.L.E. steel in the frame of its machines to provide an extra quality, avoiding cracks and breaks in the most demanding working conditions.



HDX (WEAR RESISTANT STEEL)

It's a steel that has in its composition many elements which give excellent properties against abrasion and wear without compromising important steel factors such as bending and welding. The wear-resistant values increase steel double lifetime with respect to traditional steel. Wear-resistant TMC Cancela steels incorporate all the elements that are in direct contact with the ground, such as skates, plates, inner shells and counterblades.

INDEX

MULCHERS
10

ANNEX
20

MULCHERS

TPS	MULTIPURPOSE
TRN	GRASS & LAWN
TVS-R TOS-R TOA	PRUNNING RESTS

TPS

MULCHER

- 1 Body built in high strength steel and with an hydraulic shifting three point linkage.
- 2 Rear hood with opening adjustment.
- 3 Sliding skids.
- 4 External rear roller with adjustment on height.
- 5 Rotor with floating hammers assembled to the rotor with bolts of 20 mm / 0.78 inch diameter.
- 6 Protection at front with metallic plates.
- 7 Transmission with 4 belts.
- 8 Gearbox with built-in free wheel. Input to 540 rpm and 1 3/8" Z6 shaft.
- 9 Replaceable counterblades TMC Cancela model C01.
- 10 Lateral deflector and rounded shell to avoid snagging.
- 11 Rear picks (optional).
- 12 PTO shaft included with 1 3/8" Z6 tractor side.


49 cm/19.29 in
**LOW
PROFILE**



MOD.		TPS-180D	TPS-200D	TPS-220D	
TECHNICAL FEATURES					
Working width (m/in)		1.80 / 71	2.00 / 79	2.20 / 86	
Total width (m/in)		2.02 / 80	2.22 / 87	2.42 / 95	
Required input power (HP)		65	70	75	
Max. allowed power (HP)		90			
Rotor/s cutting diameter (mm/in)		385 / 15.1			
Gearbox input speed (rpm)		540			
Nr. of hammers	A01	28	32	34	
Nr. of knives	A03	84	96	102	
Counterblades		2 replaceable rows			
Coupling category		Cat. 1 / Cat. 2			
Nr. of belts - type		4 XPB			
Skids		Fixed bolted (1 position)			
Adjustable height control		Rear roller			
Weight (kg/lbs)		595 / 1,312	655 / 1,444	705 / 1,554	
Hydraulic cylinder stroke (mm/in)		400 / 16			
Working reach  hydraulic (mm/in)		869.5-1,330.5 / 34-52	869.5-1,632.5 / 34-64	948.5-1,832.5 / 37-72	
REF. MOD.		HM7W18-NA	HM7W20-NA	HM7W22-NA	
OPTIONS					
035	Rotor assembled with blades A03				
141	Tines for rake				
233	Rear roller scraper				
OTHERS					
PTO shaft yoke (tractor side)		T1	T2	T3	T4
		1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20

Hammer A01 Standard

Knife A03 Optional

Counterblade C01 Standard



TRN

MULCHER

- 1 Body built in high strength steel with fixed bolted three point linkage.
- 2 Rubber protection at front.
- 3 Internal rear roller with adjustment on height for ground adaptation.
- 4 Sidestep system on body sides.
- 5 Transmission with 6 belts and automatic tensioner.
- 6 Gearbox with built-in free wheel and 1 3/4" Z6 input shaft.
- 7 Rotor with reinforced scoop knives.
- 8 Input to 540 rpm.
- 9 PTO shaft included.



**FLEXI
STEEL**



MOD.	TRN-300	TRN-360	TRN-420	TRN-450
TECHNICAL FEATURES				
Working width (m/in)	3.00 / 118	3.60 / 142	4.20 / 165	4.50 / 177
Total width (m/in)	3.25 / 128	3.87 / 152	4.49 / 177	4.79 / 189
Required input power (HP)	60	60	70	75
Max. allowed power (HP)	200			
Rotor/s cutting diameter (mm/in)	590 / 23	590 / 23	625 / 25	625 / 25
Gearbox input speed (rpm)	540			
Nr. of knives A05	59	70	82	94
Coupling category	Cat. 2			
Nr. of belts - type	6 XPB			
Skids	Adjustable bolted (2 positions)			
Adjustable height control	Rear roller			
Weight (kg/lbs)	1,175 / 2,590	1,245 / 2,745	1,438 / 3,170	1,503 / 3,314
Working reach  mechanical 1 (mm/in)	1,518-1,518 / 60-60	1,818-1,818 / 72-72	2,118-2,118 / 83-83	2,268-2,268 / 89-89
REF. FIXED MODEL	HM3Q30-NA	HM3Q36-NA	HM3Q42-NA	HM3Q45-NA
OPTIONS				
283	Rubber protection at rear			
284	Replaceable internal frame in wear resistant steel (wear liner)			
OTHERS				
PTO shaft yoke (tractor side)	T1	T2	T3	T4
	1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20

Knife A05 Standard



TVS-R

MULCHER

- 1 Body built in high strength steel.
- 2 Pick-up feeder with an hydraulic drive and speed adjustment.
- 3 Rear wheels with hydraulic adjustment.
- 4 Drawbar with a special connection for both drive lines.
- 5 Rake with tines for feeding.
- 6 Mulching system with an open mulching cavity (Patent).
- 7 Rotor with fixed hammers with a patented mulching system.
- 8 Transmission with 4 belts.
- 9 Gearbox with free wheel with a drive shaft of 1 3/8" Z6 and double drive line.
- 10 Input to 540 rpm. In option 1,000 rpm by inversion of pulleys (DS system).
- 11 Replaceable counterblades made in wear resistant steel.
- 12 PTO shafts included.



MOD.		TVS-R-150	TVS-R-180	TVS-R-200	
TECHNICAL FEATURES					
Working width (m/in)		1.50 / 59	1.80 / 71	2.00 / 79	
Total width (m/in)		1.71 / 67	2.01 / 79	2.21 / 87	
Required input power (HP)		80	90	100	
Max. allowed power (HP)		100			
Rotor/s cutting diameter (mm/in)		405 / 16			
Gearbox input speed (rpm)		540 (1,000 as option)			
Nr. of hammers	A06	20 + 20	22 + 22	26 + 26	
Counterblades		2 replaceable rows + 1 fixed row			
Nr. of belts - type		4 XPB			
Adjustable height control		Wheels / Drawbar			
Weight (kg/lbs)		1,280 / 2,822	1,475 / 3,250	1,590 / 3,505	
Working reach	 mechanical (mm/in)	768-768 / 30-30	918-918 / 36-36	1,017-1,017 / 40-40	
REF. MOD.		HM8R15-NA	HM8R18-NA	HM8R20-NA	
OPTIONS					
135	Configuration with gearbox input to 1,000 rpm				
318	Side skirts				
OTHERS					
PTO shaft yoke (tractor side)		T1	T2	T3	T4
		1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20

Hammer A06 Standard



TOS-R

MULCHER

- 1 Body built in high strength steel.
- 2 Double pick-up feeder, both up and down with an hydraulic drive and speed adjustment.
- 3 Support rear wheels with hydraulic height adjustment.
- 4 Drawbar with a special connection for drive lines.
- 5 Gearbox with double free wheel with a drive shaft of 1 3/4" Z6 and double drive line.
- 6 Mulching system with an open mulching cavity (Patent).
- 7 Rotor with fix hammers with a patented mulching system.
- 8 Transmission with 6 belts.
- 9 Hydraulic motors of the pick-up with side extension shafts with bearings to connect the feeding system.
- 10 Input to 540 rpm. In option 1,000 rpm by inversion of pulleys (DS system).
- 11 Replaceable counterblades made in wear resistant steel.
- 12 PTO shafts included.



MOD.		TOS-R-180	TOS-R-210		
TECHNICAL FEATURES					
Working width (m/in)		1.80 / 71	2.10 / 83		
Total width (m/in)		2.25 / 89	2.56 / 101		
Required input power (HP)		130	150		
Max. allowed power (HP)		200			
Rotor/s cutting diameter (mm/in)		539 / 21			
Gearbox input speed (rpm)		500 (1,000 as option)			
Nr. of hammers	A06	22 + 22	26 + 26		
Counterblades		2 replaceable rows + 1 fixed row			
Nr. of belts - type		6 XPB			
Adjustable height control		Wheels / Drawbar			
Weight (kg/lbs)		1,720 / 3,790	2,050 / 4,520		
Working reach 	mechanical (mm/in)	918-918 / 36-36	1,068-1,068 / 42-42		
REF. MOD.		HM7M21-NA	HM7M24-NA		
OPTIONS					
135	Configuration with gearbox input to 1,000 rpm				
136	Tines for rake				
318	Side skirts				
OTHERS					
PTO shaft yoke (tractor side)		T1	T2	T3	T4
		1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20

Hammer A06 Standard



TOA

MULCHER

- 1 Body built in high strength steel.
- 2 Double pick-up feeder, both up and down with independent hydraulic drive and speed adjustment.
- 3 Drawbar with special connection for drive lines.
- 4 Support rear wheels with hydraulic height adjustment.
- 5 Gearbox with built-in free wheel and with a drive shaft of 1 3/4" Z6 and double drive line.
- 6 Mulching system with an open mulching cavity (Patent).
- 7 Rotor with fixed hammers with a patented mulching system.
- 8 Transmission with 6 belts.
- 9 Hydraulic motors of the pick-up with side extension shafts with bearings to connect the feeding system.
- 10 Input to 540 rpm. In option 1,000 rpm by inversion of pulleys (DS system).
- 11 Replaceable counterblades made in wear resistant steel.
- 12 PTO shafts included.



MOD.		TOA-210	TOA-240	TOA-300	
TECHNICAL FEATURES					
Working width (m/in)		2.10 / 83	2.40 / 94	3.00 / 118	
Total width (m/in)		2.50 / 98	2.80 / 110	3.40 / 134	
Required input power (HP)		100	100	100	
Max. allowed power (HP)		200			
Rotor/s cutting diameter (mm/in)		545 / 21			
Gearbox input speed (rpm)		540 (1,000 as option)			
Nr. of hammers	A06	26 + 26	30 + 30	38 + 38	
Counterblades		3 replaceable rows + 1 fixed row			
Nr. of belts - type		6 XPB			
Adjustable height control		Wheels / Drawbar			
Weight (kg/lbs)		2,510 / 5,534	2,805 / 6,184	3,215 / 7,088	
Working reach	 mechanical (mm/in)	1,068-1,068 / 42-42	1,218-1,218 / 48-48	1,518-1,518 / 60-60	
REF. MOD.		HM1U21-NA	HM1U24-NA	HM1U30-NA	
OPTIONS					
135	Configuration with gearbox input to 1,000 rpm				
136	Tines for rake				
266	Almond bar counterblades kit				
318	Side skirts				
OTHERS					
PTO shaft yoke (tractor side)		T1	T2	T3	T4
		1 3/8" Z6	1 3/8" Z21	1 3/4" Z6	1 3/4" Z20

Hammer A06 Standard



ANNEX

CUTTING TOOLS

PTO_COUPLING

FLEXI STEEL _ORDER FORM

CUTTING TOOLS

Quick guide

KNIFE

A03

 0.8 / 1.8

A05

 0.2 / 0.4

HAMMER

A01

 0.6 / 1.3

A06

 1.4 / 3.1

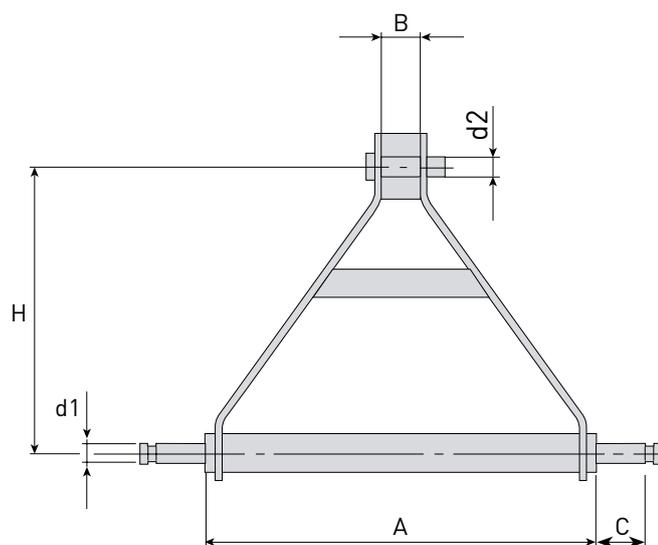
PLEASE, CHECK SPECIAL PRICES DEPENDING ON THE ORDERED QUANTITIES

COUPLING

PTO ROTATION



DIMENSIONS

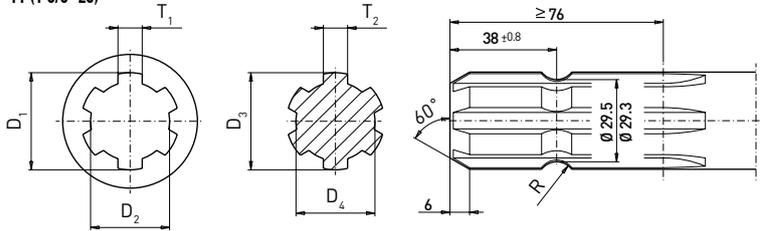


Cat. ISO/DIS 730	1N	1	2N	2	3N	3	4N	4
PTO tractor power	...50 HP	...65 HP	... 125 HP	...125 HP	...250 HP	...250 HP	...475 HP	...475 HP
A (in/mm)	15.7 / 400	26.9 / 683	26.9 / 683	32.5 / 825	32.5 / 825	38.0 / 965	37.5 / 952	45.9 / 1,166.5
B (in/mm)	2.0 / 52	2.0 / 52	2.0 / 52	2.0 / 52	2.0 / 52	2.0 / 52	2.6 / 65	2.6 / 65
C (in/mm)	2.6 / 65	2.6 / 65	2.6 / 65	2.6 / 65	2.9 / 72.5	2.9 / 72.5	3.8 / 96.5	3.8 / 96.5
d1 (in/mm)	0.9 / 22	0.9 / 22	1.1 / 28	1.1 / 28	1.4 / 36.6	1.1 / 36.6	2.0 / 50.8	2.0 / 50.8
d2 (in/mm)	0.7 / 19	0.7 / 19	1.0 / 25.5	1.0 / 25.5	1.3 / 31.75	1.3 / 31.75	1.8 / 45	1.8 / 45
H (in/mm)	14.1 / 360	18.1 / 460	24.0 / 610	24.0 / 610	27.0 / 685	27.0 / 685	27.0 / 685	43.3 / 1,100

PTO

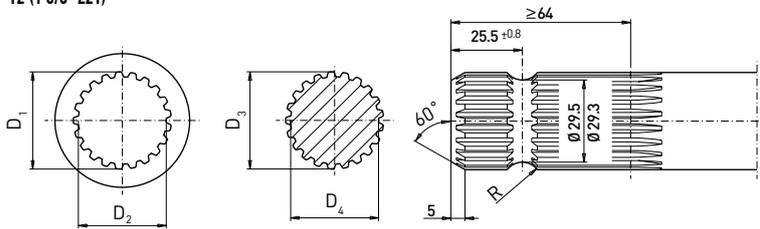
DIMENSIONS

T1 (1 3/8" Z6)



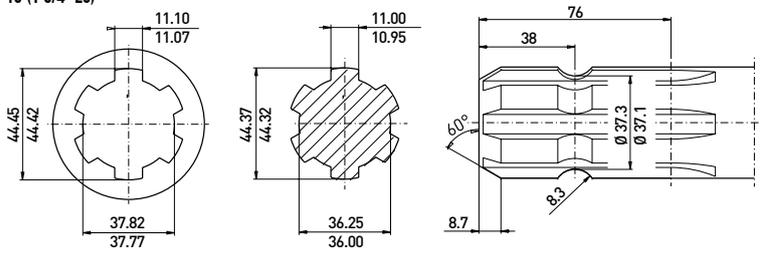
	D1 mm	D2 mm	T1 mm	D3 mm	D4 mm	T2 mm	R mm
DIN 9611*	35,67 35,40	31,90 31,75		34,87 34,47	31,10		7,15 6,65
ISO 500	34,96 34,93	31,90 31,75		34,87 34,85	29,00 28,90	8,64 8,51	7,05 6,55
ASAE S203	34,95 34,90	29,97 29,72	8,76 8,69	34,87 34,70	27,89	8,64 8,51	7,11 6,61

T2 (1 3/8" Z21)

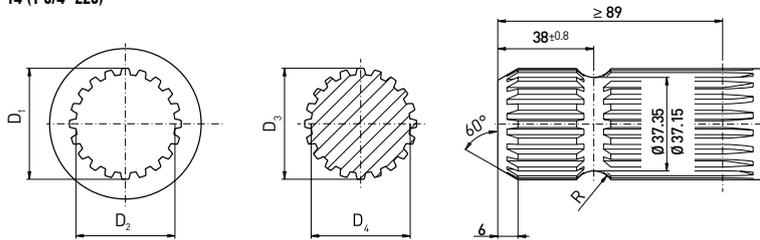


	D1 mm	D2 mm	D3 mm	D4 mm	R mm
DIN 9611*	35,66 35,40	31,90 31,75	34,87 34,47	31,10	7,15 6,65
ISO 500	34,96 34,93	31,90 31,75	34,87 34,85	31,10 30,85	7,05 6,55
ASAE S203	34,96 34,92	31,87 31,75	34,87 34,85	30,68	7,11 6,61

T3 (1 3/4" Z6)

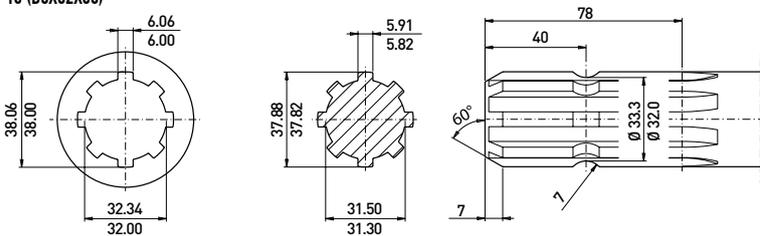


T4 (1 3/4" Z20)



	D1 mm	D2 mm	D3 mm	D4 mm	R mm
DIN 9611*	45,26 45,03	40,28 40,13	44,53 44,13	31,10	8,65 8,15
ISO 500	44,48 44,45	40,35 40,20	44,42 44,40	39,21 38,96	8,65 8,15
ASAE S203	45,10 44,58	40,36 40,23	44,42 44,39	38,96	8,63 8,13

T5 (D8X32X38)





FLEXI[®] STEEL

Javier Cancela

THE STEEL OUR MACHINES NEEDED

INNOVATION ALWAYS AHEAD

For TMC CANCELA, quality is never enough. In our toil for continuous improvement, we decided to go one step further and create a special steel to offer a plus in the structural performance of our equipments. FLEXI STEEL has unique properties and has been developed exclusively for TMC CANCELA, in order to satisfy the shortcomings of the standardized steels on the current market.

Both the specific composition and the mechanical properties were studied and proposed to meet the many requirements of our machines and the highest demands of our customers, committing ourselves always to both the performance of the equipment and the environment.

FLEXI STEEL is a steel made of special alloys, studied and developed together with our R&D department. These alloys allow the steel to regain its original shape after deformations or impacts while supporting much higher loads. This, together with a greater resistance to fatigue than elastic steels on the market, gives our machines a much longer life.

25