

CHISEL CULTIVATORS **DUOLENT DX**



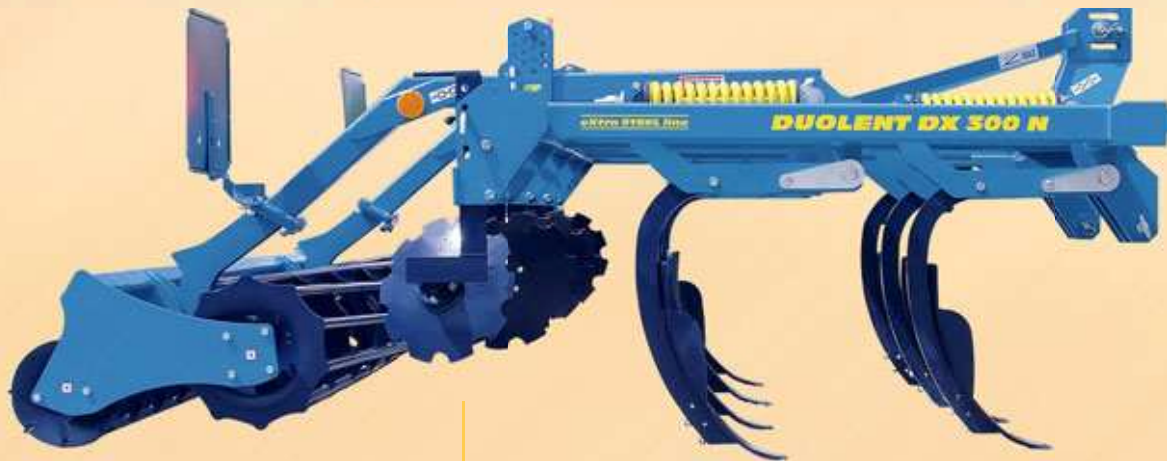
The DOULENT Tine cultivator is a very universal cultivator intended for stubble working after harvest or for loosening up to the depth of 35 cm. The machine is equipped with two rows of chisel tines that can be supplemented with wings. In this way stubble working can be done at an even working depth (max. working depth 20 cm with wings fitted) with a very low draught requirement. When working to a greater depth, it is possible to work without the wing's so that the draught of the machine does not substantially increase and the same HP tractor can be used. When required, tines can be removed to reduce the draught needed to pull the Doulent. Folding machines can also work in the folded/transport position. The working width can be decreased by folding the machine into transport position. This allows very hard/ compacted soil to be worked to the max depth required with a less powerful tractor. The DUOLENT cultivator is equipped with tines of time-tested construction secured by a large spring (non stop) with a Brake back force of 450 kg. The shape of the points provides a very low draught requirement and a great mixing effect. Because of the layout of the machine it hardly ever gets blocked, even under the most difficult conditions. The final quality of work is also very good because of the levelling discs behind the tines. These discs do not only level the soil after the tines, but they also create a good tilth. Proper selection of the type of the rear roller is also very important as it is responsible to a large extent for the finished work quality. The roller compacts as well as crumbles and levels the soil. The selection of the roller depends on the type of soil and the method of use of the machine.

ADVANTAGES

- Simple construction
- 3 point linkage version
- Hydraulic folding to transport width of 3 m
- Possibility to work with folded machine (NS version)
- Heavy duty frame (profile 100 x 100 x 8)
- The shape and spacing of the tines provides free flow for plant residues
- Great working depth
- Relatively low draught
- Excellent penetration of tines into soil
- High work output

Number of tine rows	2
Row distance	780 mm
Under frame clearance	880 mm
Tine spacing	420 mm
Point width	75 mm / 440 mm with wings
Working depth	max. 350 mm
Tine protection	spring (non stop)
Brake back force (tine)	450 kg
Levelling device	discs ø 460 mm
Rollers	tubular, double, segmented, cross-kill, LTX

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rear roller, more on page 14

levelling discs

chisel tines in two rows



Chisel points without wings provide very deep penetration up to the depth of 35 cm with low draught requirement.



Chisel with wings for real soil working/loosing in the depth of up to 20 cm.



Rear double roller for perfect breakage of clods.



Optimized shape of the chisel point provides excellent mixing effect.

Technical parameters	unit	Duolent DX 210 N	Duolent DX 300 N	Duolent DX 350	Duolent DX 380 NS	Duolent DX 460 NS	Duolent DX 550 NS
Working width	m	2,1	3	3,5	3,8	4,6	5,5
Transport width	m	2,1	3	3,5	2,1	3	3
Working depth	cm	max. 35	max. 35	max. 35	max. 35	max. 35	max. 35
Tractor power required*	kW/HP	from 65/90	from 90/120	from 105/140	from 120/160	from 150/200	from 180/240
Performance	ha/hour	1,7-2,5	2,4-3,6	2,8-4,2	3-4,6	3,7-5,5	4,4-6,6
Working speed	km/hour	8-12	8-12	8-12	8-12	8-12	8-12
Number of tines	pcs	5	7	9	9	11	13
Weight**	kg	1060	1375	1585	2220	2515	2870

* Recommended performance can vary according to soil conditions.

** Weight with the double roller.

N – mounted machine, NS – semi-mounted machine