DYNAPAC DOUBLE DRUM ROLLER WITH OSCILLATION

CO2200, CO4000 VI, CO4200 VI,
CO5200 VI, CO6200 VI

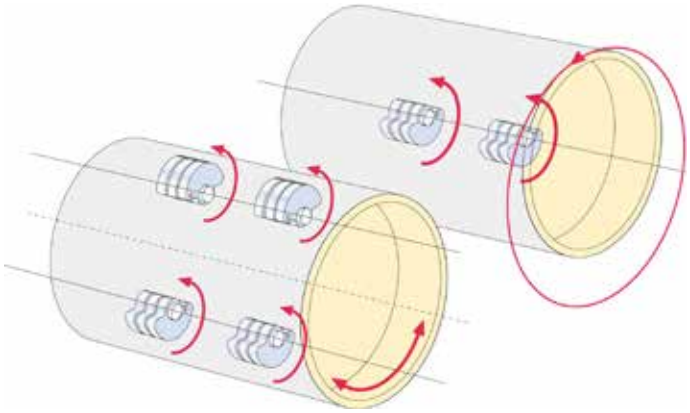


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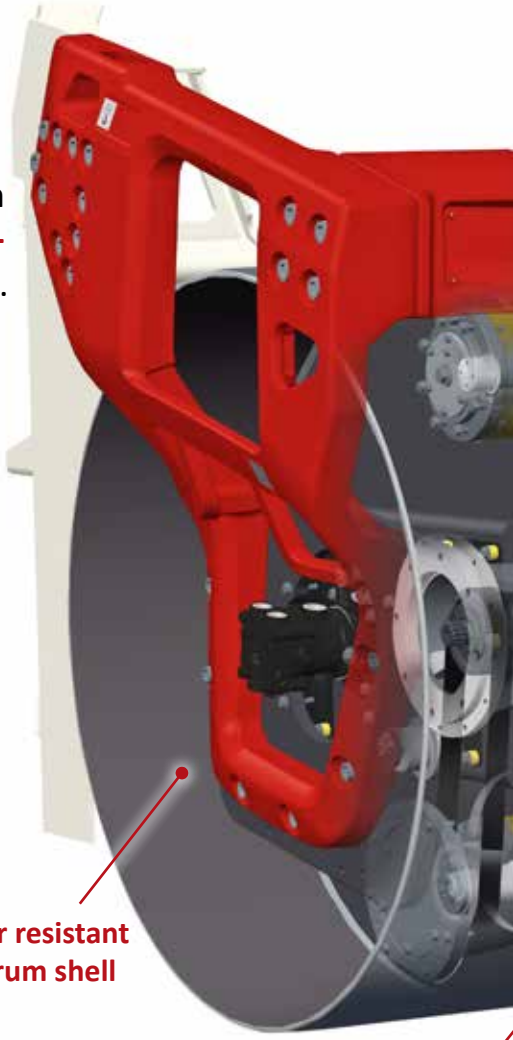
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WhTogether with the high vibration frequency concept on the large asphalt tandem rollers Dynapac also offers the oscillation concept. Meeting the special needs of the oscillation compaction concept, Dynapac has focused on **wear resistance and service-ability** in order to supply a long lasting and user friendly solution.

DESIGNED TO PERFORM, BUILT TO LAST



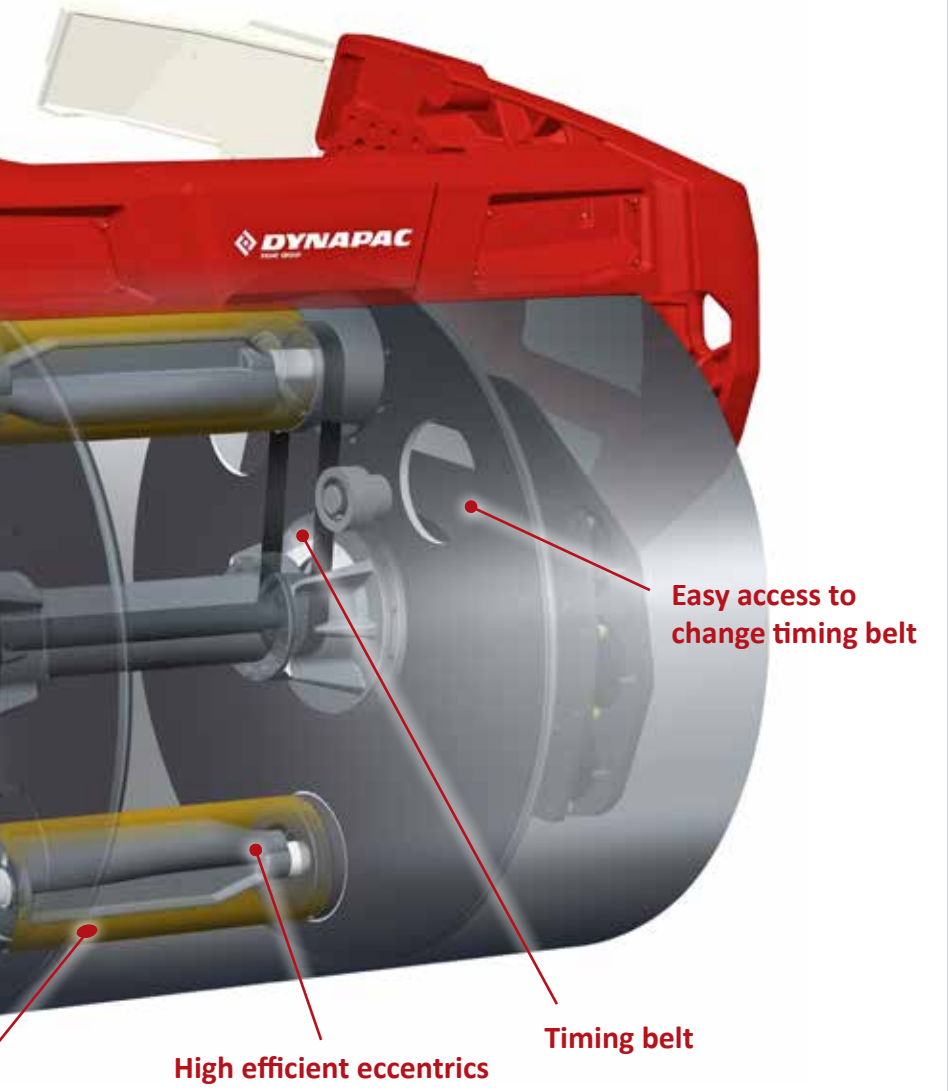
The Dynapac CO2200, CO4000 VI, CO4200 VI, CO5200 VI and CO6200 VI rollers have one vibrating drum with two vibration amplitudes and one oscillating drum. This allow the operator to select the system that is most suitable for the application on hand.



Oscillation has 100% ground contact. No vertical vibration limits risk for damage also on less qualitative aggregates.

Meeting state specification demands that osciall-tions should be used while compacting on bridge decks, near foundations or concrete structures.

Provides great performance on thin asphalt layers.



OSCILLATION

Two rotating eccentric weights placed away from the drum center will generate an oscillatory motion of the drum. This means that, as opposed to the vibration system, the drum does not move its axis of rotation, but rather oscillates around it.

The eccentric weights are driven by timing belts, these belts will eventually need to be replaced. The Dynapac CO2200, CO4000 VI-6200 VI have been designed to make this service operation fast and efficient. On the oscillation drum we have four bolted service covers for easy reach of the timing belts. With every oscillation machine comes a special timing tool that is included. This together with other clever solutions makes it possible to change the timing belt within only two hours.

In order to eliminate excessive wear on the drum shell, the oscillating drum on the CO2200, CO4000 VI-6200 VI has a drum shell made of super durable Hardox steel. The use of a Hardox drum shell will eliminate any wear problems encountered by other oscillating machines on the market.

Hardox in My Body

Hardox® 450

The oscillation drum shell is made of highly wear resistant Hardox steel.

Hardox® 450 is an abrasion-resistant steel with a nominal hardness of 450 HBW.

Hardox® 450, with an extra 50 Brinell hardness over 400 grade, provides better dent and abrasion resistance as well as longer drum life, ensuring many hours of trouble free running.



HARDOX® IN MY BODY



Dynapac CO2200, CO4000 VI, CO4200 VI, CO5200 VI and CO6200 VI
Double drum vibratory / oscillation rollers

	CO2200	CO4000 VI	CO4200 VI	CO5200 VI	CO6200 VI
Drum width, mm	1 500	1 680	1 680	1 950	2130
MASSES					
Operating mass , kg (incl. ROPS)	7 700	9 800	9 900	11 700	12 400
TRACTION					
Speed range	0-12	0-12	0-12	0-12	0-12
Vertical oscillation	±7°	±7°	±7°	±7°	±7°
Theor. gradeability	42%	45%	40%	34%	32%
COMPACTION					
Centrifugal force , kN high/low amplitude	78/67	113/74	128/84	144/93	157/103
Oscillation force, kN	103	122	122	122	153
Nominal amplitude, mm, high/low	0.7/0.3	0.8/0.3	0.8/0.3	0.8/0.3	0.8/0.3
Oscillation tangential amplitude	1,39	1.45	1.4	1.3	1,4
Static linear load kg/cm (front/rear)	25.3/26.0	28.9/29.5	29.8/29.2	30.3/29.7	29.1/29.1
Vibration frequency, Hz high/low amplitude	48/67	51/67	51/67	51/67	21/67
Oscillation frequency	40	40	40	40	40
Water tank, l	750	700/900	700/900	850/1050	850/1050

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Your Partner on the Road Ahead

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