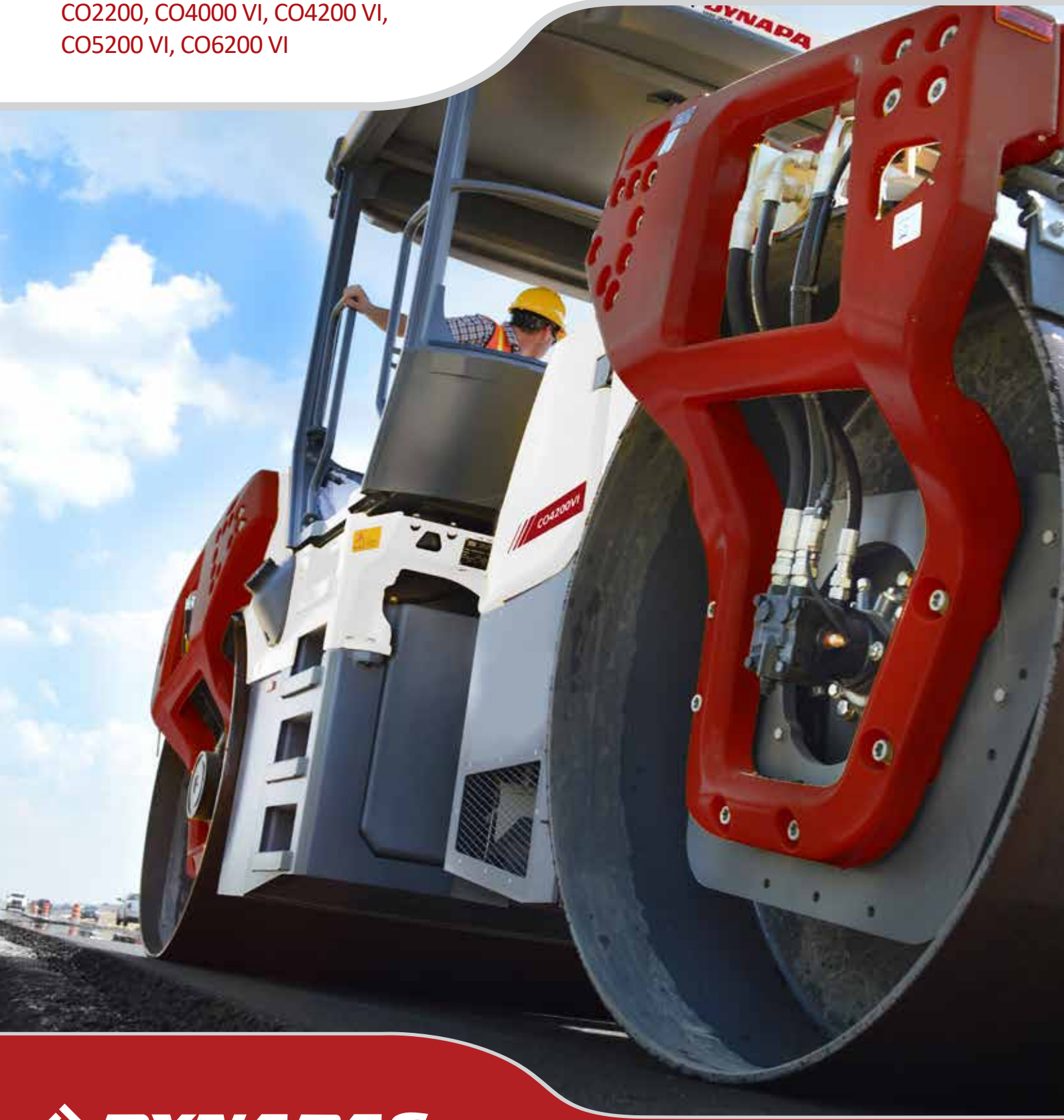
DYNAPAC DOUBLE DRUM ROLLER WITH OSCILLATION

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



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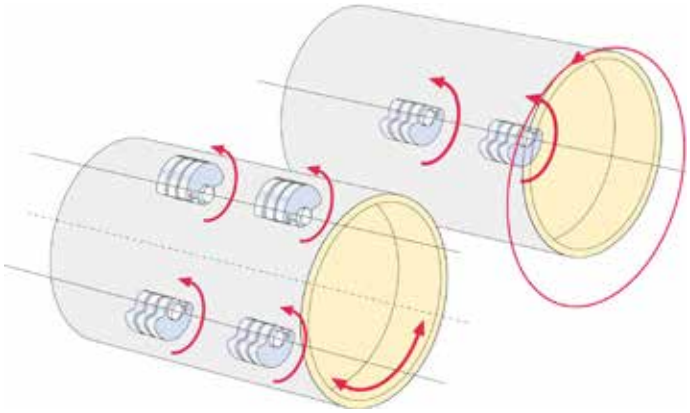
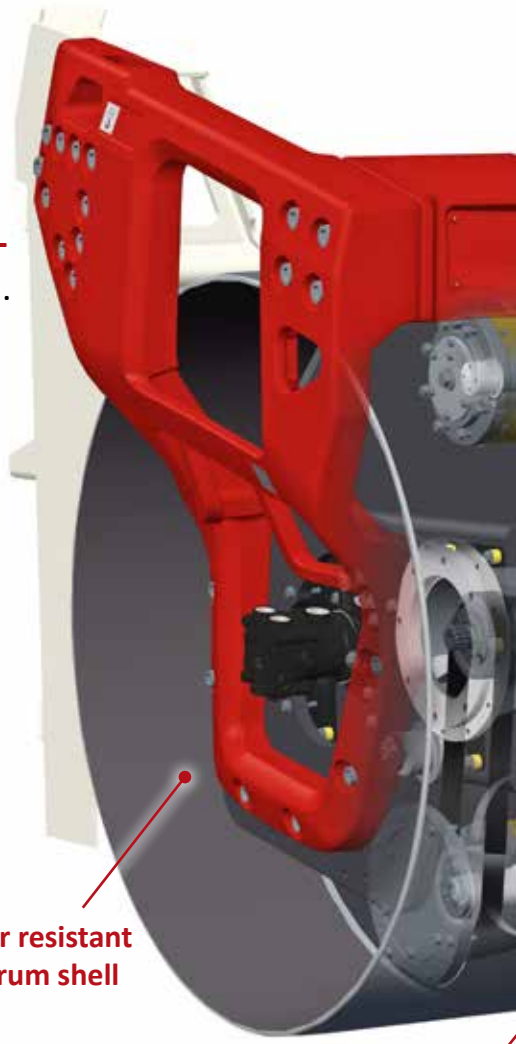
Together with the high vibration frequency concept on the large asphalt tandem rollers Dynapac also offers the oscillation concept. Meeting the special needs of the oscillation compaction concept, Dynapac has focused on **wear resistance and serviceability** in order to supply a long lasting and user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

DESIGNED TO PERFORM, BUILT TO LAST



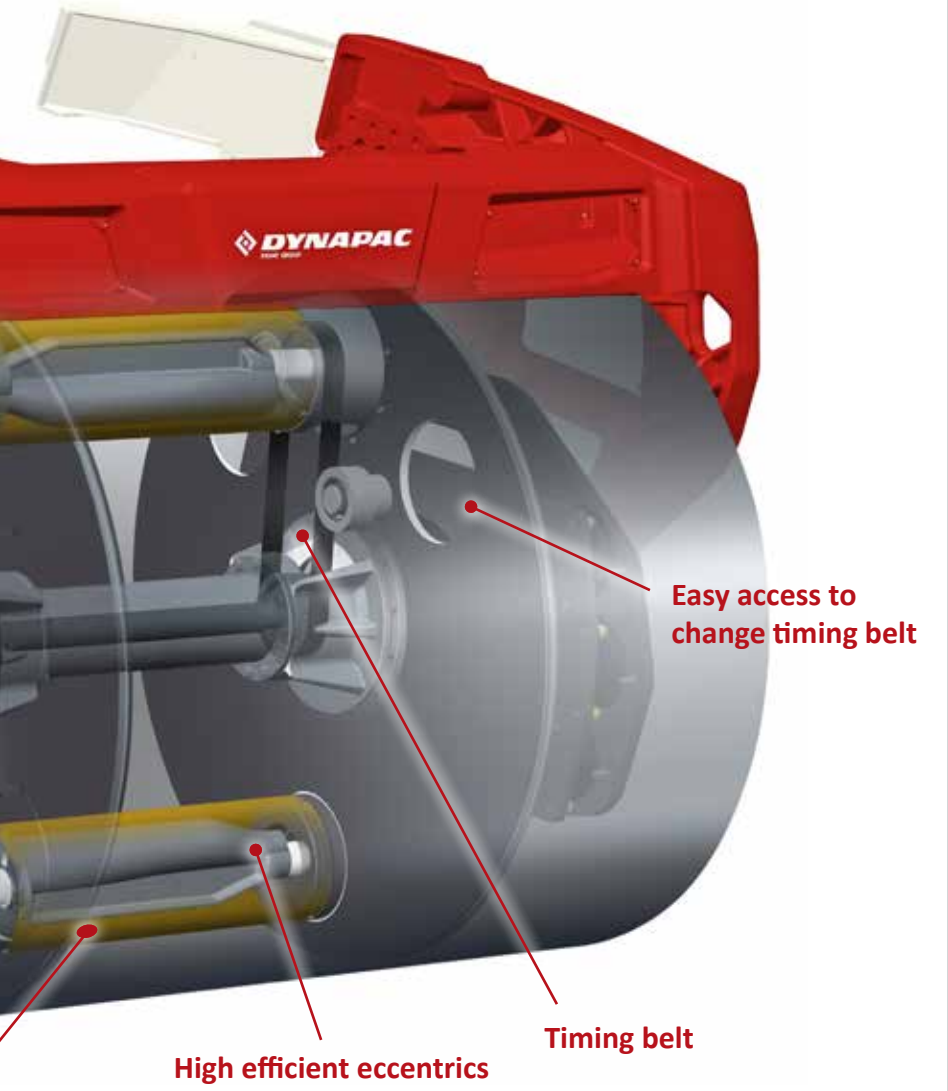
The Dynapac CO2200, CO4000 VI, CO4200 VI, CO5200 VI and CO6200 VI rollers have one vibrating drum with two vibration amplitudes and one oscillating drum. This allow the operator to select the system that is most suitable for the application on hand.



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

Meeting state specification demands that oscillations 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, CO6200 VI
Double drum vibratory / oscillation rollers

	CO2200	CO4200 VI	CO4200 VI	CO5200 VI	CO6200 VI
Drum width, in	59	66	66	77	84
MASSES					
Operating mass , lbs (incl. ROPS)	16,980	21,610	21,830	25,800	27,340
TRACTION					
Speed range, mph	0-7.5	0-7.5	0-7.5	0-7.5	0-7.5
Vertical oscillation	±7°	±7°	±7°	±7°	±7°
Theor. gradeability	42%	45%	40%	34%	32%
COMPACTION					
Centrifugal force, lb high/low amplitude	17,550/15,075	25,425/16,650	28,800/18,900	32,400/20,925	35,325/23,175
Oscillation force, lb	23,175	27,450	27,450	27,450	34,425
Nominal amplitude, in, high/low	0.028/0.012	0,031/0,012	0.031/0.012	0.031/0.012	0.031/0.012
Oscillation tangential amplitude, in	0.055	0,057	0.055	0.051	0,055
Static linear load pli	142/146	162 / 165	167/164	170/166	163/163
Vibration frequency, vpm high/low amplitude	2,880/4,020	3,060/4,020	3,060/4,020	3,060/4,020	3,060/4,020
Oscillation frequency, vpm	2,400	2,400	2,400	2,400	2,400
Water tank, gal	198	185/238	185/238	224/277	224/277

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Your Partner on the Road Ahead

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