REXNORD

TEST RESULTS

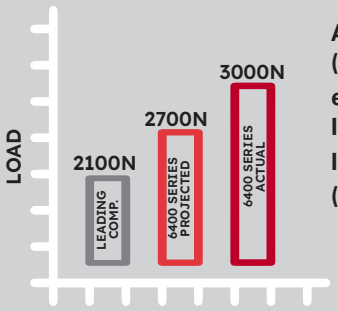
REXNORD® 6400 SERIES KLEANTOP® PLASTIC SPIRAL CAGE BELT

TECHNICAL STRENGTH TEST RESULTS

Regal Rexnord has performed a series of four stringent tests on the Rexnord® 6400 Series Kleantop® Plastic Spiral Cage Belt in order to validate the belt's strength and capacity under several different conditions. The following data summarizes our findings from those tests.

A CURVE ULTIMATE LOAD TENSILE TEST

A vigorous corner pull test designed to test the ultimate strength of the belt replicating an 18" (45.72 cm) wide chain and a turn ratio of 1.6

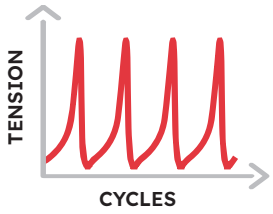


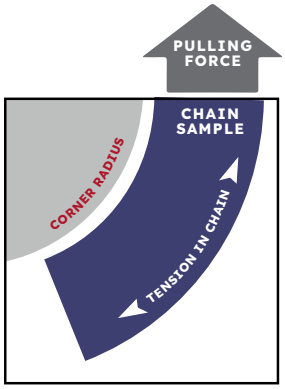
Actual load capacity 3000N (675 lbs.), surpassing our expected load of 2700N (607 lbs.), and our competition's load capacity of 2100N (472 lbs.)

B CURVE FATIGUE TENSILE TEST

A curve fatigue test replicating a 32" (81.28 cm) wide chain and a corner ratio of 1.6

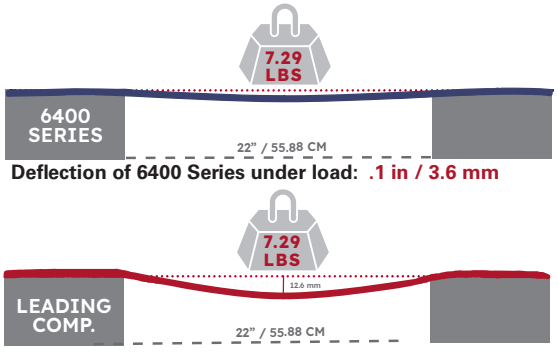
A load of 675 lbs. / 3000N was used to test curve fatigue. Testing met the target of 100K load cycles





C LATERNAL STIFFNESS TEST

A rigidity test designed to measure the strength and deflection of the chain when weight is added



Deflection of 6400 Series under load: .1 in / 3.6 mm

Deflection of leading comp. under load: .5 in / 12.6 mm

D DYNAMIC DUTY CYCLE CONVEYOR TEST

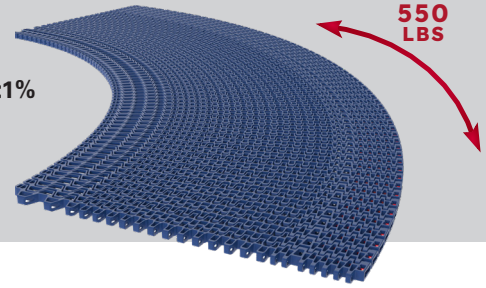
A dynamic side-flexing endurance load test on a 90-degree corner track at a specific load on a single belt

Started loading cycles with 500 lbs. / 2224N, gradually increased to 550 lbs. / 2446N

Over 200K total load cycles to date and still running

Elongation at <1%

Minimal Wear & Dusting



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