

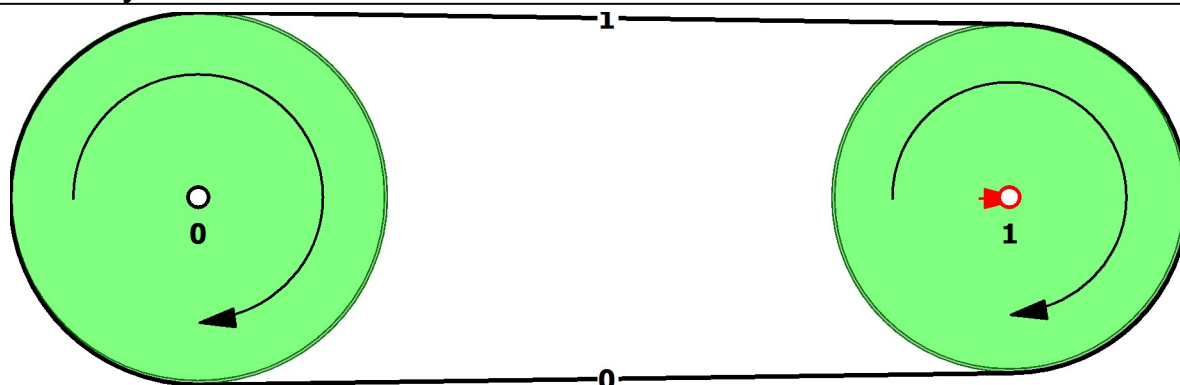
Belt

Eagle NRG

Belt part number: W 896
Belt speed; Mass: 9.0 m/s; 0.142 kg/m
Belt power rating: 21.4 kW
Center Distance: 261.97 mm

Belt width, Pitch: 32.0 mm; 8 mm
Belt noise: 57 dB(A)
Required; Actual service factor: 1.7; 1.9
Annual Energy Used (\$); Energy Costs: 14904; 0.15 €/kWh

Belt drive layout



Pulley

Pulley	X [mm]	Y [mm]	Teeth	Diameter [mm]	Flange diameter [mm]	Speed [revs/min]	Width [mm]	Weight [kg]
0	0.0	0.0	48	122.2	/	1400.0	49.0	3.7
1	262.0	0.0	45	114.6	/	1493.3	49.0	3.2

Pulley	Sprocket part number & bushing	Shaft size [mm]/[mm]	Absorbed power [kW]	Required service factor	Side	Type
0	W 48 S-MPB	N/A	11.0	N/A	Inside	Fixed
1	W 45 S-MPB	N/A	11.0	1.7	Inside	Fixed

Hub loads & tensioning

Span	Operating hub load (used) [N]	Installation hub load (new; used) [N]	Deflection force (new; used) [N]	Deflection [mm]	Span length [mm]	Frequency (new;used) [Hz]
0	1407.8	2002.6; 1430.4	69.9; 52.0	4.1	261.9	160.5; 135.7
1	1407.8	2002.6; 1430.4	69.9; 52.0	4.1	261.9	160.5; 135.7

Installation strand tension

Installation strand tension (new, used): 1001.4 N 715.3 N

Comments

Recommended center distance movement for installation and take up: -10.1 mm 3.0 mm

Check shaft lengths!

Ensure Driver and Driven bearings can handle hub load!

Drive must be properly aligned to give intended service life!

Speed-up drive! The required service factor has been increased!

The belt and sprocket may not be a stock item. Contact your sales representative for availability and lead time!