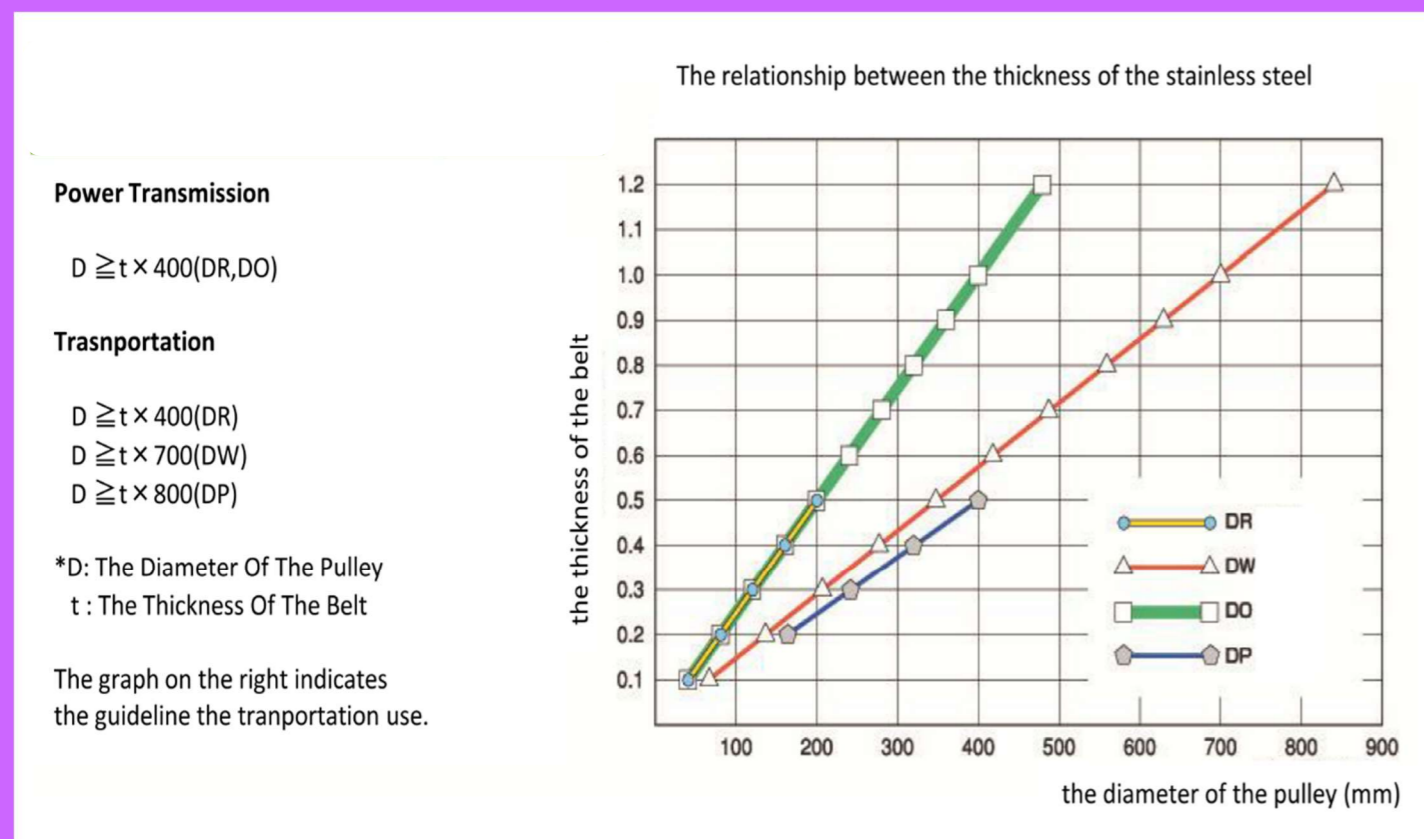


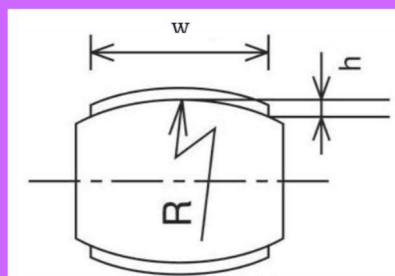
## Belt Material

Item		SUS304H Austenitic stainless steel	SUS301EH Austenitic stainless steel	SUS631 3/4H Martensite stainless steel	SUS632J1 3/4H Martensite stainless steel
Hardness(Hv) of parent material		$\geq 370$	$\geq 490$	More than 400	$\leq 420$
Tensile strength (N/mm <sup>2</sup> )		$\geq 1130$	$\geq 1570$	More than 1180	$\leq 1450$
Thermal expansion ratio	20-100°C	$17,3 \times 10^{-6}/^{\circ}\text{C}$	$16,9 \times 10^{-6}/^{\circ}\text{C}$	$11,8 \times 10^{-6}/^{\circ}\text{C}$	$10,9 \times 10^{-6}/^{\circ}\text{C}$
	20-600°C	$18,7 \times 10^{-6}/^{\circ}\text{C}$	$18,7 \times 10^{-6}/^{\circ}\text{C}$	$13,2 \times 10^{-6}/^{\circ}\text{C}$	$12,1 \times 10^{-6}/^{\circ}\text{C}$

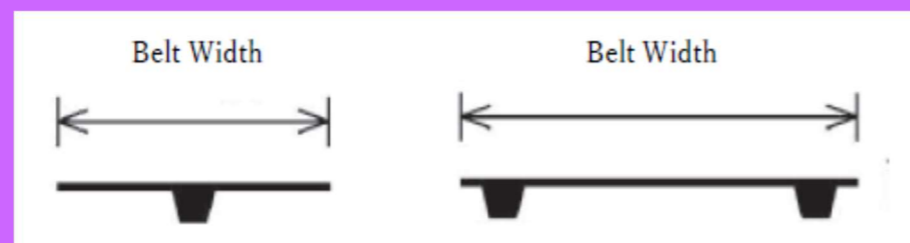
## Recommendation of Pulley Diameter



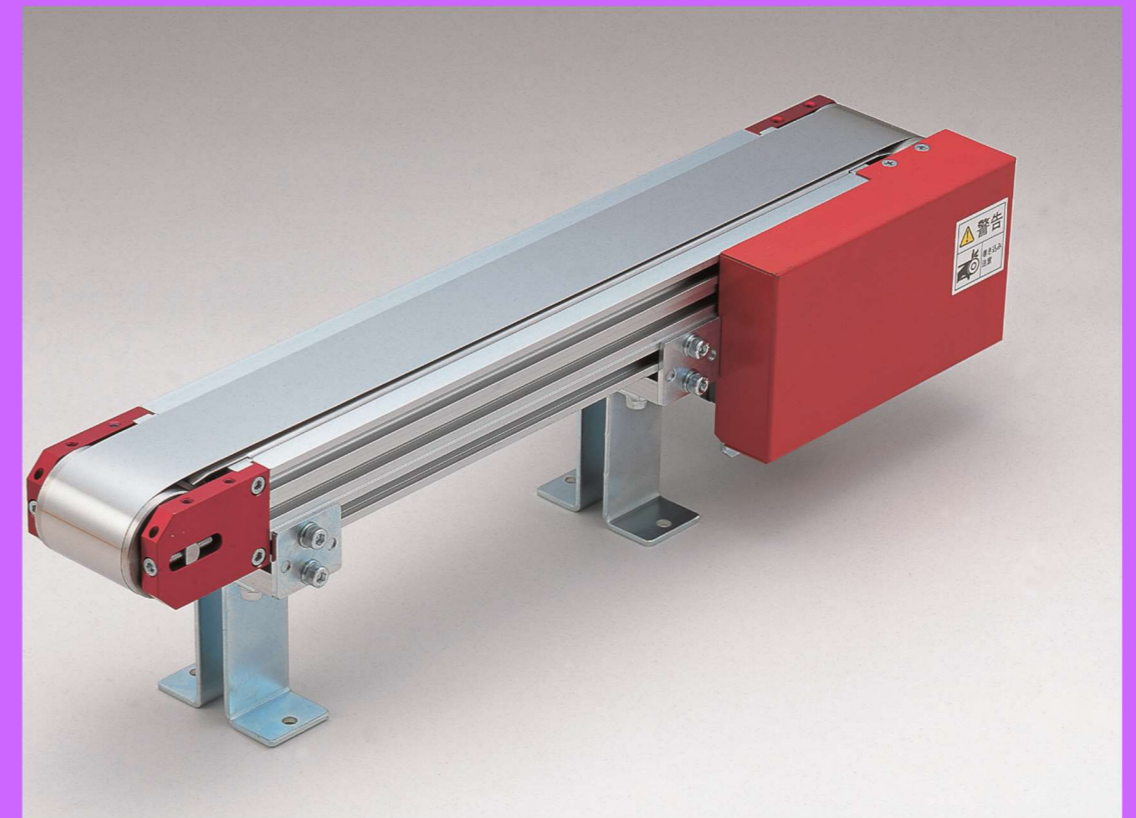
## Belt Tracking by Crown Pulley and V-guides



$w$  = Belt width     $d$  = Pulley outside diameter  
Crown curvature radius  $R = w^2/8 \times h$   
Crown height  $h \approx d / 1000$



## Stainless Steel Belt and Sleeve



### Stainless Steel Belt Inspection Conveyor

Camera image inspection and laser inspection are done continuously on a flat moving bed of stainless steel belt.

### Stainless Steel Belt Features

**Flat    Smooth    Straight    Rigid    Hygiene**

**Limited Elongation    High Responsibility**

**Heat resist    No Lubricant**

**Available in Clean Rooms and Vacuum Chamber**

**DYMCO, LTD.**

<http://www.steelbelt.jp/>    [overseas@dymco.co.jp](mailto:overseas@dymco.co.jp)

3-3-21, Isogo, Isogo-ku, Yokohama, Japan 235-0016



# Products



DW - Welded Endless Belt



Coated Endless Belt



Conveyor RSC-015-50



DP - Perforated Endless Belt



DO - Open Belt



DR - Ring-Rolled  
Seamless Endless Belt



Metal Sleeve

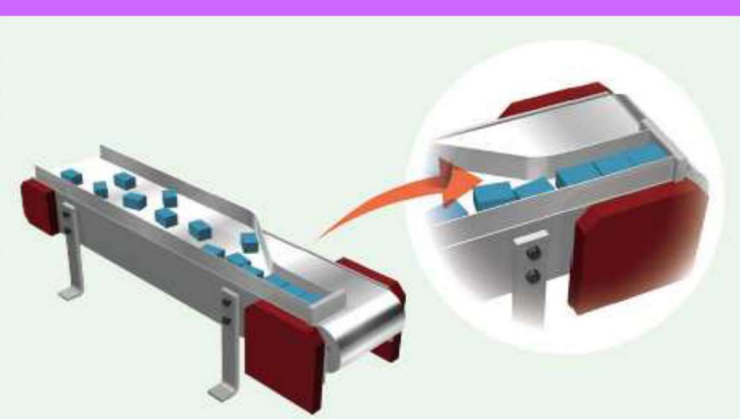
Super Friction Coating



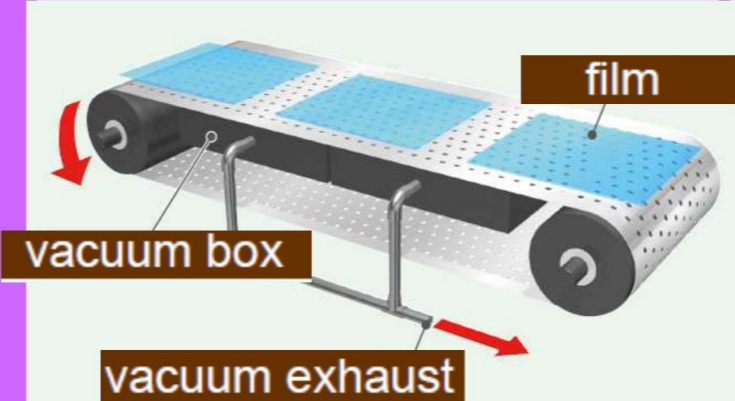
# Applications



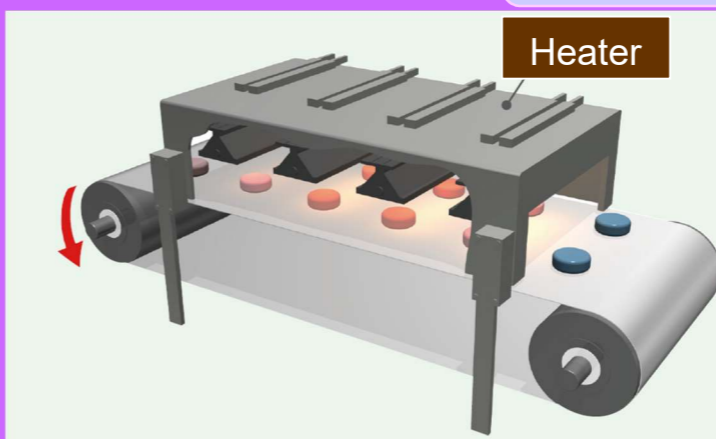
Continuous Image Inspection



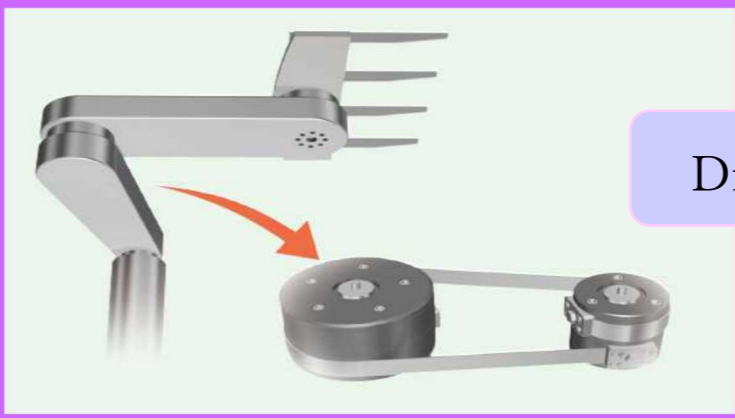
Temporal Stopping



Suction / Vacuum Transport



Heating



Drive Tapes

