



Chemical & Hydrolysis Resistant Belts



Volta **DR** belts have enhanced hydrolysis-resistant properties. They offer key advantages over existing homogeneous belts in many applications: Available with all standard fabrications.



Hydrolytic Resistance

The hydrolytic property of DR prolongs belt hygienic and mechanical lifetime where exposed to chlorinated water, oils, and other fluids during work. DR is compatible with standard cleaning and disinfecting chemicals.



Reduced Cost of Ownership

The durable surface requires significantly less and cooler water, chemicals, and labour for cleaning and disinfecting and facilitates removal of pathogenic or allergenic residue.



Less Belt Failure

DR is available with a hygienic lattice pattern on the underside which increases load-bearing capacity by 20%. Aside from carrying heavier weights, this translates to less strain on conveyor wear parts and motors, extending mechanical lifetime. It also enables a smoother engagement with approved stainless steel and molded plastic drum motors.

The pattern reduces suction caused by residual water after cleaning, thus lowering amps during start-up.



Less Plastic Waste

DR offers longer belt lifetime which equates with less plastic waste. Being homogeneous, it is also easier to recycle. Homogeneous belts are also less prone to shed plastic microparticles making it a healthier choice for food processing.



Energy Saving

Volta SuperDrive™ enables Hygienic Design of conveyors with fewer dirt traps and fewer components. Volta SuperDrive™ belts require comparatively small motors.








Using cooler water to clean, means less energy expended in heating it up.



Certification

DR materials are FDA/EU approved. Volta belts are not just made from food safe compounds, but are also manufactured into mechanically hygienic belts.

Positive Drive Hydrolysis & Chemical Resistant Belts

SuperDrive™									
Belt Code		Top surface	Bottom surface	Coefficient of Friction on UHMW	Thickness (mm)	Minimum Pulley Diam. (Normal Flex)		Max. Pull Force	
						mm	inch	kg/cm width	lb/inch width
FDR-SD-V1		Smooth	Smooth	0.28	3	100mm	4"	6.5	36.3
					4	130mm	5 1/8"	8.6	48.4
FDR-SD-IRT-V1		IRT	Smooth	0.28	4	140mm	5 1/2"	6.5	36.3
FEDR-SD-ITM2-V1		Matt	Embossed	0.22	3	100mm	4"	6.5	36.3
FEDR-SD-ITO50-V1		ITO50	Embossed	0.22	3	100mm	4"	5.5	30.7
DualDrive™									
FDR-DD-V1		Smooth	Smooth	0.28	3	100mm	4"	6.5	36.3
FDR-DD-ITM2-V1		Matt	Smooth	0.28	3	100mm	4"	6.5	36.3
FDR-DD-ITO50-V1		ITO50	Smooth	0.28	3	100mm	4"	6.5	36.3

Fabrication Materials							
Belt Type	Thickness/ Size (mm)	Waved sidewall	Cleats/ Flights	Guides	Electrodes	Skirting	RoundFlex™ Lace
FDR-V1	2	✓				✓	
	4		✓				
	6		✓				
	8		✓				
FEDR-ITO50-V1	2	✓					
	5		✓				
VDR-V1	10			✓			
	13			✓			
	17			✓			
EVDR-V1	7				✓		
	9				✓		
LDR-R V1							✓



To learn more about our new belts and solutions, please contact your local distributor or email us at sales@voltabelting.com

