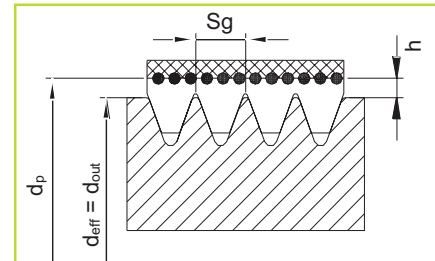
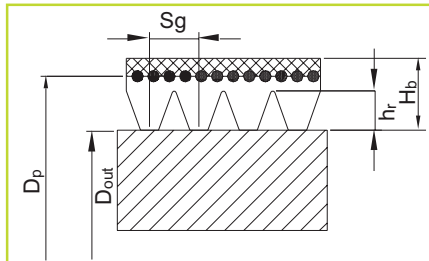


BELT CROSS SECTIONS AND DIMENSIONS

**MEGADYNE
PV BELTS**

PV belts are divided in five different profiles to cover the needs of a wide range of applications. The dimensions and properties of each profile, are summarised in the following table:



D_p : The pitch diameter is used to calculate the transmission ratio and the belt speed.

D_{eff} : For grooved pulleys, the effective diameter is equal to the outside diameter.

D_{out} : Depending if the pulley is flat or grooved the value h or h_r have to be added in order to calculate the pitch diameter of the pulleys.

		PH	PJ	PK	PL	PM
Belt dimensions	S_g [mm]	1.6	2.34	3.56	4.70	9.40
	H_b [mm]	2.6	3.4	4.6	6.6	12.8
	h [mm]	0.8	1.2	2.0	3.0	4.0
	h_r [mm]	1.2	1.7	2.5	4.75	6.3
Drive parameters	Max. belt speed [m/s]	60	55	55	50	40
	Weight per rib [kg/m]	0.0045	0.0085	0.0177	0.0354	0.1171
	Min. pulley diameter [mm]	13	20	45	75	180
	Min. diameter for external flat idlers [mm]	40	50	65	150	300
	Min. diameter for internal flat idlers [mm]	22	38	52	76	180

TABLE 1. Basic design data

For further information regarding belt dimensions, please consult ISO 9982.

APPLICATION EXAMPLES

	PH	PJ	PK	PL	PM
	Household appliances	Dryers	Washing machines		
	Magnetic agitators	Fitness equipments	Laundry machines		
	Automatic doors	Floor polishers	Small compressors		
	Concrete mixers	Elevator doors	Lift appliances, etc..		
	Tractors	Elevators	Pumps & compressors		
	Lifting equipment	Fans	Wood saws, etc...		
	High pressure cleaners	Flour mills	Crushers		
	Piston compressors	Escalators	Brick machinery, etc...		
	Paper industry	Hammer mills	Turbines		
	Quarries	Granulators	Excavators, etc...		

TABLE 2. Application examples of PV Belts

