

Main Pipe Design Comparison for HDPE Pipes > 800 mm

	Solid Pipes	Profile Pipes
Available Sizes	16 – 1600 mm	300 – 3600 mm
Norms	ASTM F 714, ISO 161-1, EN 13244, DIN 7077	ASTM F 894, ISO 9969, EN 19568-100, DIN 16961
Classification	SDR Rating related to ratio of pipe outside to wallthickness, which themselves relate to max internal pipe pressure	RSC Rating related to pipe ring stiffness class
Available Pressure Classes	2,5 – 20 bar (depending on sizes) equivalent SDR 41 - 5	
Available Ringstiffness		2 – 16 KN/mm ²
Main application	Pressure	Non pressure / Low pressure
Year of technology introduction	1965	1995
Method for pipe to pipe and pipe to fitting connections	Buttwelding Flange	Buttwelding Flange Electrofusion socket
Method of pipe to other material connection	Flange	Flange
Fittings availability (all kind)	Yes	Yes