

Anti-Corrosion Specifications and Standard Dimensions of Steel Pipes for Construction Piping

Japan Water Steel Pipe Association (WSP) Material excerpt

Classification	Pipe type (standard)	Code		Anti-corrosion specifications		Standard dimensions		Joint
				Inner surface	Outer surface	4m	5.5m	
Firefighting Drainage Air conditioning Industrial water Sewage, etc.	Galvanized steel pipe for water piping (JIS G 3442)	SGPW		Zinc plating	Zinc plating	15~100A	125~300A	Screw joint Welded joint Housing joint Joint with flange MD joint
	Carbon steel pipe for piping (JIS G 3452)	SGP	White pipe	Zinc plating	Zinc plating	15~100A	125~500A	
			Black pipe	—	—	—	15~500A	
	Carbon steel pipe for pressure piping (JIS G 3454)	STPG	White pipe	Zinc plating	Zinc plating	—	15~500A	
			Black pipe	—	—	—	15~500A	
Grooving corrosion-resistant electric resistant welded steel pipe (applicable to the above three pipe types)	Refer to the above three pipe types (SGPW, SGP, STPG).					—	125A or more (STPG is 15~500A)	
Water supply Cooling water	Rigid polyvinyl chloride lined steel pipe for water supply (JWWA K 116)	VA	Rigid polyvinyl chloride	Primary anti-corrosion coating	15~150A	—	Pipe end anti-corrosive joint (For VD and PD, outer surface is coated)	
		VB		Zinc plating				
		VD		Rigid polyvinyl chloride				
	Polyethylene powder-lined steel pipes for water supply (JWWA K 132)	PA	Polyethylene	Primary anti-corrosion coating	15~100A	—		
		PB		Zinc plating				
		PD		Polyethylene				
Hot water supply Cold and hot water	Heat resistant rigid polyvinyl chloride lined steel pipe for water supply (JWWA K 140)	HVA	Heat resistance rigid polyvinyl chloride	Primary anti-corrosion coating	15~100A	—	Heat resistant pipe end anti-corrosive joint	
Firefighting	Rigid polyvinyl chloride coated steel pipe for firefighting (WSP 041)	VS	Zinc plating	Rigid polyvinyl chloride	15~150A	—	Coated joint (Inner zinc plating)	
Drainage	Non-tar-based epoxy resin painted steel pipe for drainage (WSP 032)	NTA	Non-tar-based epoxy resin	Primary anti-corrosion coating	—	32~350A	MD joint Drainage joint Flexible joint for pressure feed drainage steel pipe	
	Rigid polyvinyl chloride lined steel pipe for drainage (WSP 042)	D-VA	Rigid polyvinyl chloride	Primary anti-corrosion coating	—	40~200A	MD joint	

Specifications of Steel Pipes for Construction Piping by Manufacturer

Japan Water Steel Pipe Association (WSP) Material excerpt

Classification	Pipe type (standard)	Code	JFE Steel	NIPPON STEEL*1 (formerly NIPPON STEEL & SUMITOMO METAL CORPORATION)	SEKISUI CHEMICAL	KYOSEI	Others
Firefighting Drainage Air conditioning Industrial water Sewage, etc.	Galvanized steel pipe for water piping (JIS G 3442)	SGPW	○	○	—	—	—
	Carbon steel pipe for piping (JIS G 3452)	SGP	○	○	—	—	—
	Carbon steel pipe for pressure piping (JIS G 3454)	STPG	○	○	—	—	—
	Grooving corrosion-resistant electric resistant welded steel pipe (applicable to the above three pipe types)	MN	MIZONON	SUPER SEAM	—	—	—
Water supply Cooling water	Rigid polyvinyl chloride lined steel pipe for water supply (JWWA K 116)	VA, VB	JLP	VLP	ESLON LP	KEYLON LP	—
		VD	JLP-VD	VLP-VD	—	KEYLON LP-VD	—
	Polyethylene powder-lined steel pipes for water supply (JWWA K 132)	PA, PB	PFP	FLP	—	—	—
		PD	PFP-PD	FLP-PD	—	—	—
Hot water supply Cold and hot water	Heat resistant rigid polyvinyl chloride lined steel pipe for water supply (JWWA K 140)	HVA	—	—	ESLON HTLP	—	—
Firefighting	Rigid polyvinyl chloride coated steel pipe for firefighting (WSP 041)	VS	Firefighting pipe VS	—	—	KEYLON VF	—
Drainage	Non-tar-based epoxy resin painted steel pipe for drainage (WSP 032)	NTA	—	ELP-NTA	—	—	—
	Rigid polyvinyl chloride lined steel pipe for drainage (WSP 042)	D-VA	JDLP	—	ESLON DVLP	KEYLON DL	—

*1 The marking on the pipe is for NIPPON STEEL.