

# Model SDG 25

## Product Description

Pipe Description	Rated Working Pressures for Model SDG 25 Flexible Coupling by Pipe <sup>a, b, c</sup>																				
	Nominal Pipe Size																				
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)	(318)	12 (323.9)
<b>Schedule 40, Cut Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<b>Schedule 40, Roll Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<b>Schedule 30, Cut Groove</b>																	300 (2070)		300 (2070)		300 (2070)
<b>Schedule 30, Rolled Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<b>Thinwall Pipes, Rolled Groove</b>																					
<b>Schedule 10, Rolled Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)						
<b>0.188" Wall, Rolled Groove</b>																	300 (2070)		300 (2070)		300 (2070)
<b>Schedule 10, Swage Groove</b>																					
<b>Lightwall Pipes, Rolled Groove</b>																					
<b>Lightwall Pipes, Swage Groove</b>																					
<b>Schedule 5 Pipe, Rolled Groove</b>																					
<b>EN 10220 (ISO 4200), Cut Groove</b>																					
<i>Thickness F</i>		500 (3450)		500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<i>Thickness G</i>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<b>EN 10220 (ISO 4200), Rolled Groove</b>																					
<i>Thickness D</i>								300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)				300 (2070)		300 (2070)
<i>Thickness E</i>				500 (3450)			500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<i>Thickness F</i>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<i>Thickness G</i>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)		300 (2070)
<b>EN 10255 (BS 1387) Medium, Rolled Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)			500 (3450)							
<b>EN 10255 (BS 1387) Heavy, Rolled Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)			500 (3450)							
<b>Chinese Standard GB/T 3091, Rolled Groove</b>	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	300 (2070)	500 (3450)		300 (2070)		500 (3450)		300 (2070)		300 (2070)		300 (2070)
<b>JIS G3452, Cut Groove</b>																	300 (2070)		300 (2070)		300 (2070)
<b>JIS G3452, Rolled Groove</b>																	300 (2070)		300 (2070)		300 (2070)

**Remarks:**  
a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30  
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall  
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant

## Details

<b>Category</b>	Grooved Couplings, Standard-Flexible
<b>Class of Work</b>	1920 - Coupling & Fitting, All Type
<b>Approval Standard</b>	FM 1920 - Pipe Couplings and Fittings for Aboveground Fire Protection Systems

## Company

**Shield Fire Safety and Security Ltd**  
Unit 3 Endeavor Drive, Basildon, Essex, SS14 3WF, United Kingdom  
United Kingdom  
<http://www.shieldglobal.com>

