

IP 4 M HR PP Duct – Technical Properties

The given properties are based on FIB Bulletin 7 requirements asking the manufacturer to establish minimum bending radius for their duct for use in bonded PT applications.

Remark: One size larger duct ID should be selected in case of long tendons (>80 m) or if the strands are installed after concreting.

	Strands 0.6" = 15.24 mm		
Material		M HR PP	M HR PP
Type	Max Tendon Unit	Min Bending Radius	Min tangent Length
IP 4			
Duct ID		m	m
59			
59	7	3.2	1.0
76	12	3.5	1.0
85	15	3.9	1.2
100	19	4.1	1.5
100	22	4.3	1.5
115	31	4.4	1.5
130	37	4.7	1.5
130	43	5.1	1.5
150	55	7.7	1.5
72/21	6-4		

Friction Coefficient average is 0,14

Wobble Factor with support 0,001

Wobble Factor without support 0,003

Recommended Tendon support spacing 0,5 – 0,6 m