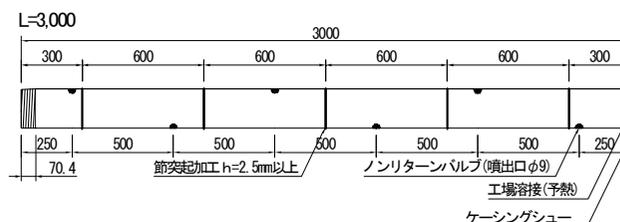
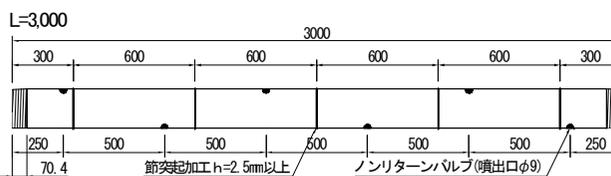
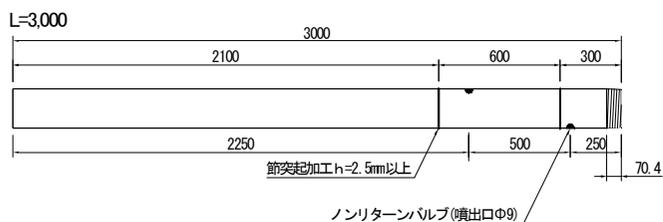
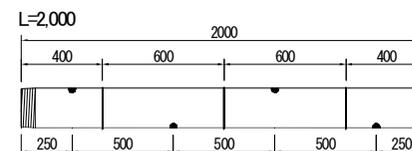
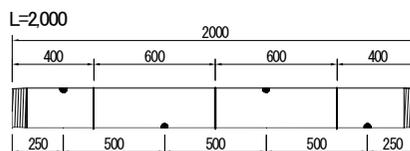
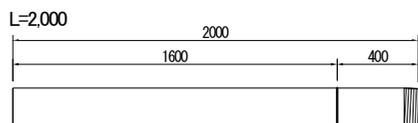
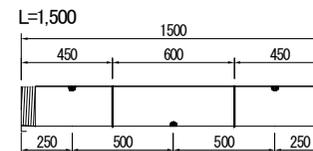
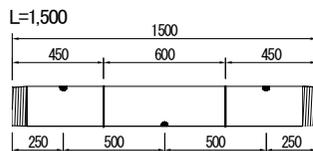
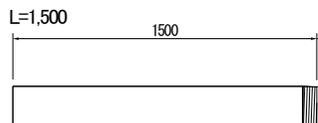
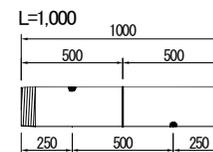
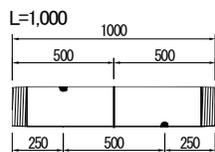
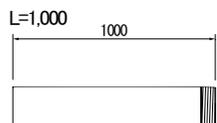


第2編 ST マイクロパイル工法参考資料

参考資料 1. STマイクロパイルφ165.2mm標準鋼管図(タイプ-I用)

規格・寸法		φ165.2 mm t = 7.1 mm					
単杭長 (m)	素管重量 (kg/本)	上杭		中杭		下杭	
		節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)
1.0	27.7	無し	無し	1	2	1	2
1.5	41.6	無し	無し	2	3	2	3
2.0	55.4	1	無し	3	4	3	4
3.0	83.1	2	2	5	6	5	6



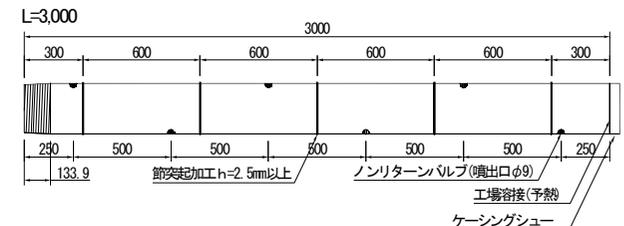
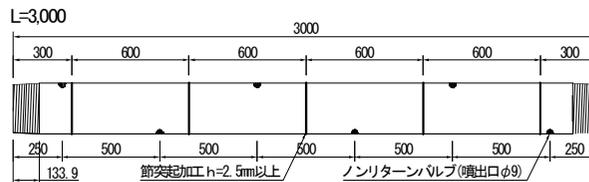
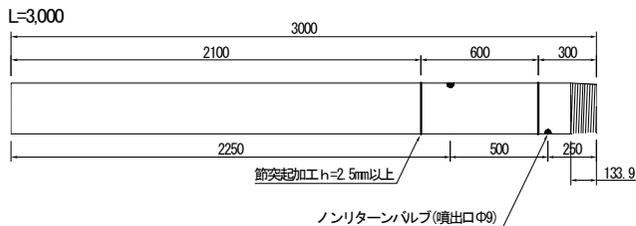
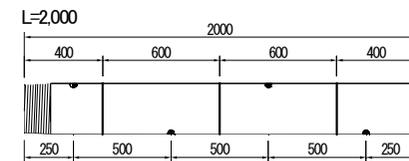
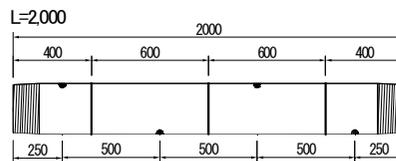
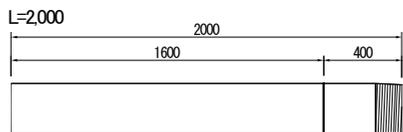
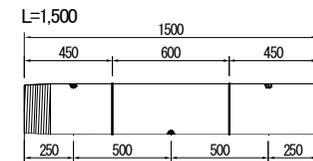
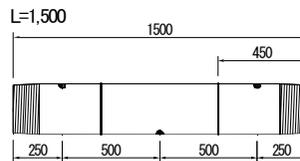
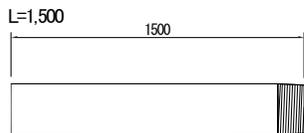
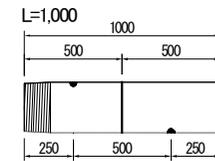
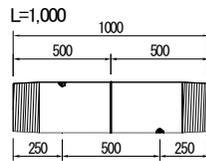
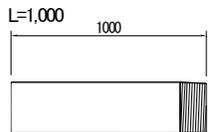
(上杭)

(中杭)

(下杭)

参考資料 2. STマイクロパイルφ216.3mm標準鋼管図(タイプ-I用)

規格・寸法		φ216.3 mm t = 12.0 mm					
単杭長 (m)	素管重量 (kg/本)	上杭		中杭		下杭	
		節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)
1.0	60.5	無し	無し	1	2	1	2
1.5	90.8	無し	無し	2	3	2	3
2.0	121.0	1	無し	3	4	3	4
3.0	181.5	2	2	5	6	5	6



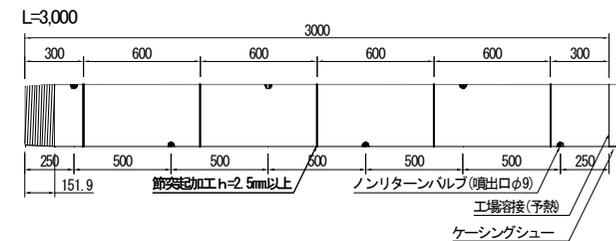
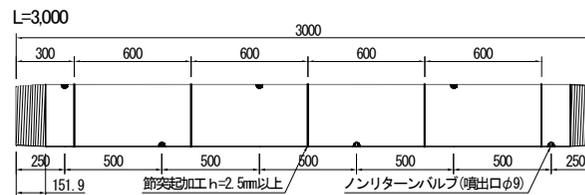
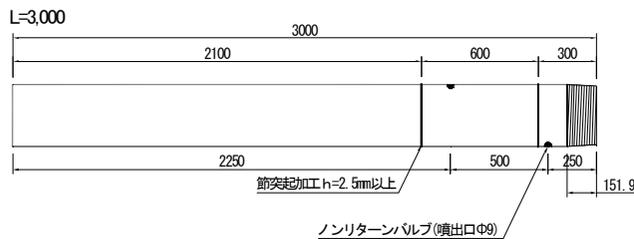
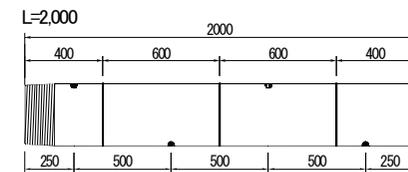
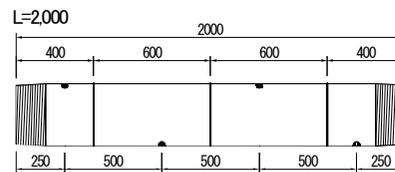
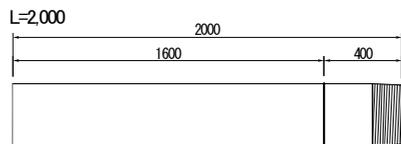
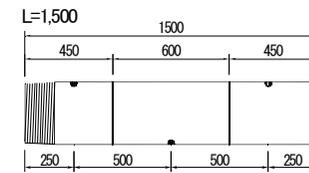
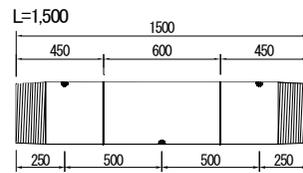
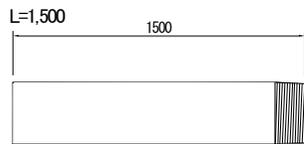
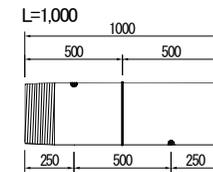
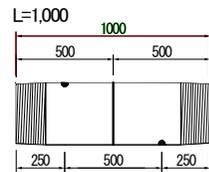
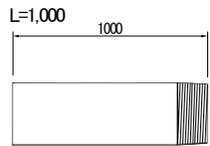
(上杭)

(中杭)

(下杭)

参考資料 3. STマイクロパイルφ267.4mm標準鋼管図(タイプ-I用)

規格・寸法		φ267.4 mm t = 12.0 mm					
単杭長 (m)	素管重量 (kg/本)	上杭		中杭		下杭	
		節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)
1.0	75.6	無し	無し	1	2	1	2
1.5	113.4	無し	無し	2	3	2	3
2.0	151.2	1	無し	3	4	3	4
3.0	226.8	2	2	5	6	5	6



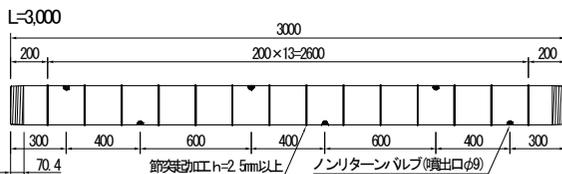
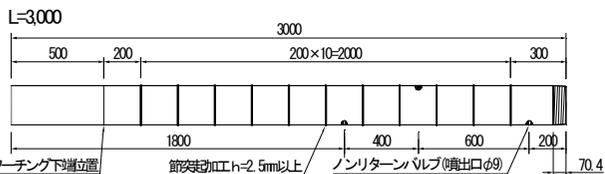
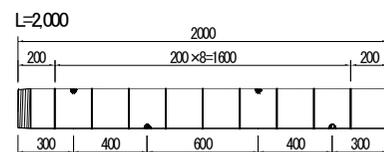
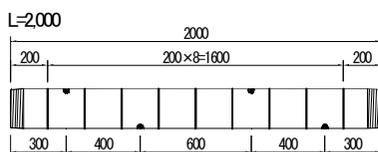
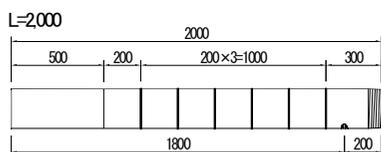
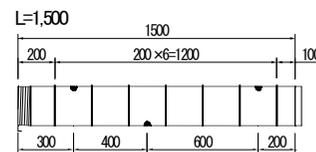
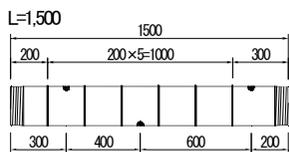
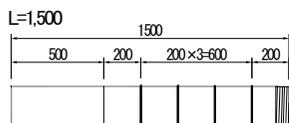
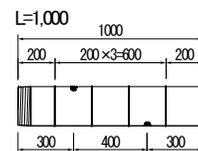
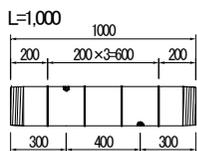
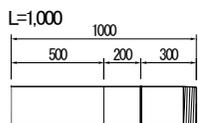
(上杭)

(中杭)

(下杭)

参考資料 4. STマイクロパイルφ165.2mm標準鋼管図(タイプ-II用)

規格・寸法		φ165.2 mm t = 12.0 mm					
単杭長 (m)	素管重量 (kg/本)	上杭		中杭		下杭	
		節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)
1.0	27.7	1	無し	4	2	4	2
1.5	41.6	4	無し	6	3	7	3
2.0	55.4	6	1	9	4	9	4
3.0	83.1	11	3	14	6	14	6



フーチング下端位置 節突加工h=2.5mm以上 ノンリターンバルブ(真出口φ9) 70.4

70.4 節突加工h=2.5mm以上 ノンリターンバルブ(真出口φ9)

70.4 節突加工h=2.5mm以上 ノンリターンバルブ(真出口φ9)

工場溶接(予熱)

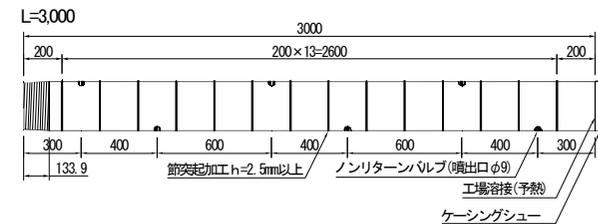
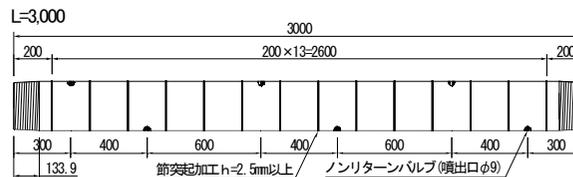
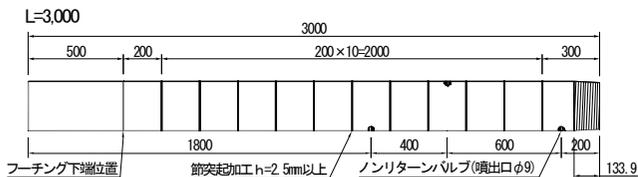
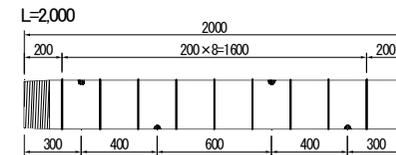
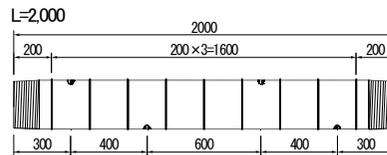
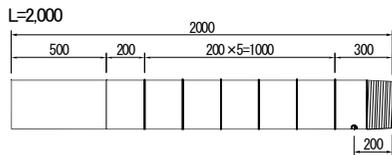
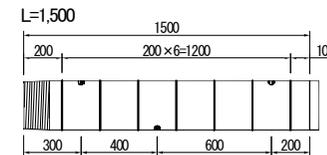
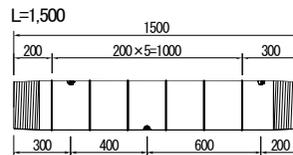
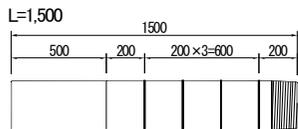
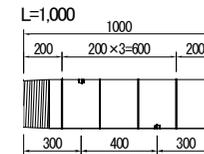
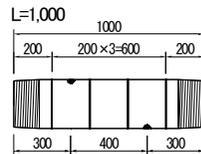
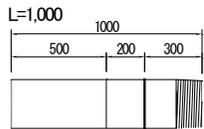
(上杭)

(中杭)

(下杭)

参考資料 5. STマイクロパイルφ216.3mm標準鋼管図(タイプ-Ⅱ用)

規格・寸法		φ216.3 mm t = 12.0 mm					
単杭長 (m)	素管重量 (kg/本)	上杭		中杭		下杭	
		節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)
1.0	60.5	1	無し	4	2	4	2
1.5	90.8	4	無し	6	3	7	3
2.0	121.0	6	1	9	4	9	4
3.0	181.5	11	3	14	6	14	6



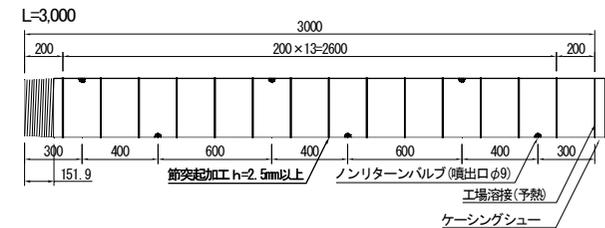
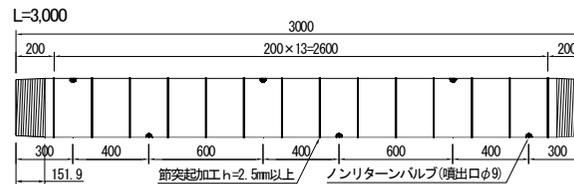
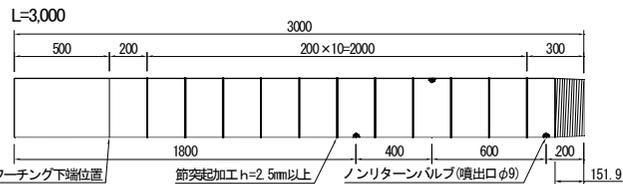
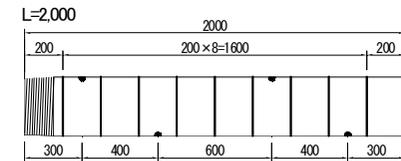
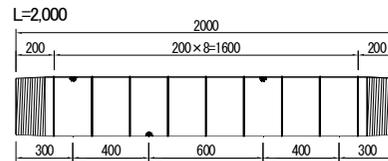
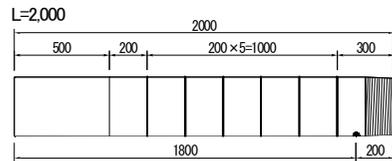
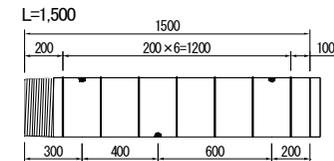
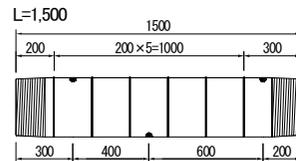
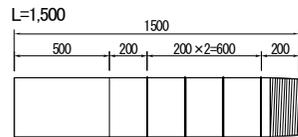
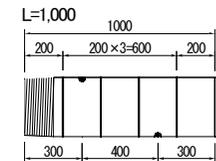
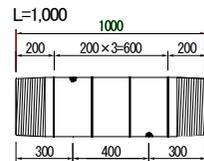
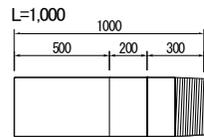
(上杭)

(中杭)

(下杭)

参考資料 6. STマイクロパイルφ267.4mm標準鋼管図(タイプ-II用)

規格・寸法		φ267.4 mm t = 12.0 mm					
単杭長 (m)	素管重量 (kg/本)	上杭		中杭		下杭	
		節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)	節加工 (箇所/本)	バルブ (個/本)
1.0	75.7	1	無し	4	2	4	2
1.5	113.6	4	無し	6	3	7	3
2.0	151.4	6	1	9	4	9	4
3.0	227.1	11	3	14	6	14	6



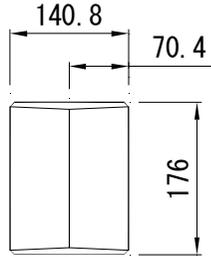
(上杭)

(中杭)

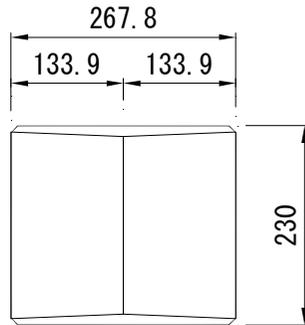
(下杭)

参考資料 7. 標準鋼管カップラー図および頭部処理用支圧板・スチフナ図

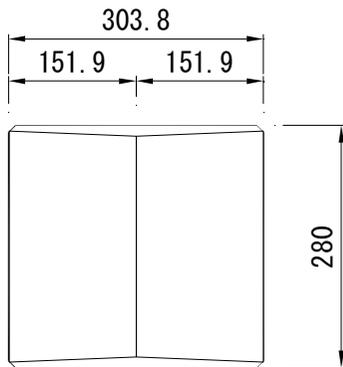
φ165.2専用カップラー (カップラー重量: 4.2kg)



φ216.3専用カップラー (カップラー重量: 14.0kg)

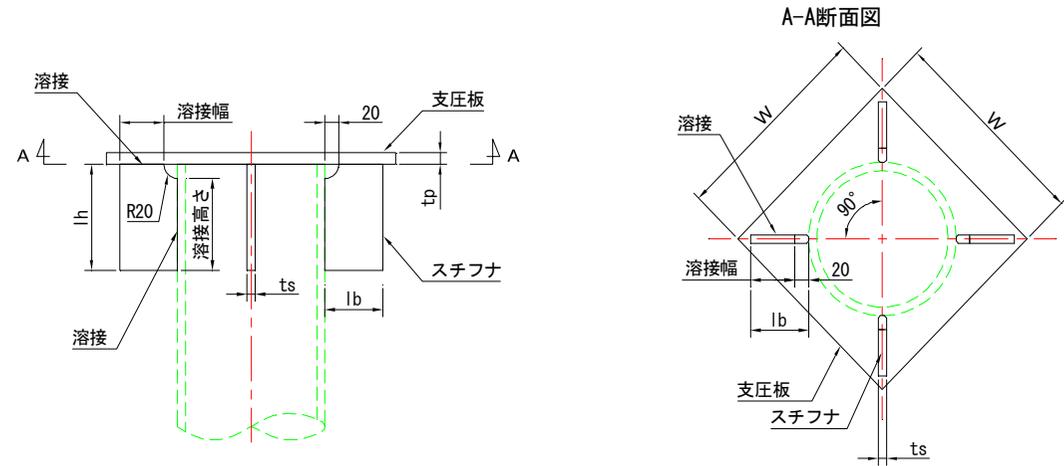


φ267.4専用カップラー (カップラー重量: 19.0kg)

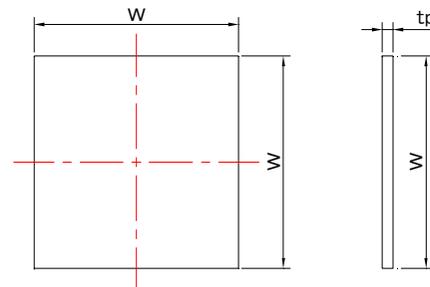


(標準鋼管カップラー図)

規格・寸法		φ165.2mm t=7.1mm	φ216.3mm t=12.0mm	φ267.4mm t=12.0mm	
支圧板	鋼種	SM490	SM490	SM490	
	幅W	mm	250	300	350
	肉厚 tp	mm	12	16	16
スチフナ	鋼種	SM490	SM490	SM490	
	幅lb	mm	60	85	95
	高さlh	mm	130	150	180
	肉厚 ts	mm	9	12	12
標準重量(参考)		kg/個	8.2	16.1	21.9



支圧板



(頭部処理用支圧板及びスチフナ接合図)