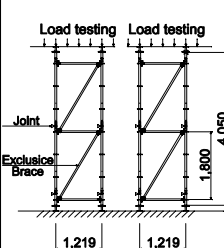
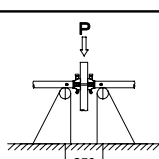
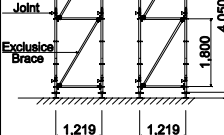
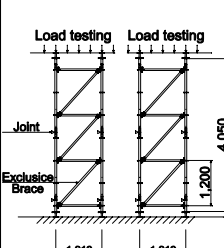
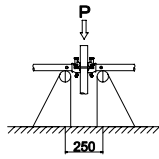
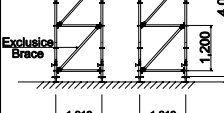
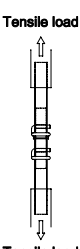
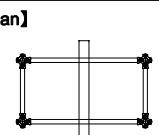
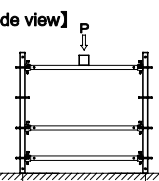
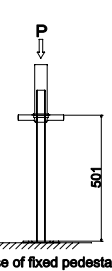


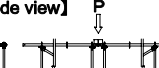
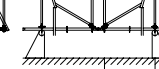
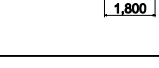
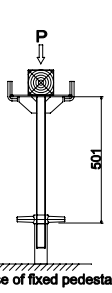


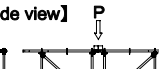
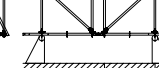
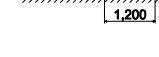


# Strength test result of NK support system (φ48.6)

Allowable load and fracture load test									
No.	Assortment	Test load kN	Test method	Allowable load kN (Safety factor)	No.	Assortment	Test load kN	Test method	Allowable load kN (Safety factor)
1	Compressive strength of vertical (Every 1.8m in height) Lateral support	99.425/vertical (397.7/4vertical)		28.5/vertical (3.48)	6	Joint's bending strength (New type)	30.96		10.0/vertical (3.09)
								13.06	
2	Compressive strength of vertical (Every 1.2m in height) Lateral support	130.875/vertical (523.5/4vertical)		55.5/vertical (2.35)	7	Joint's bending strength	34.27		10.0/vertical (3.42)
								11.63	
3	Vertical's joint (Joint pin: NKJ) tensile strength	55.90		17.0/vertical (3.28)	8	Horizontal bending strength in case of central concentrated load	HL12 L=1.2m 10.37 (20.75/2vertical)		4.5/vertical (2.30)
			HL18 L=1.8m 6.32 (12.64/2vertical)					3.0/vertical (2.10)	
4	Compressive strength of base jack	276.1	 (In case of fixed pedestal)	65.0/vertical (4.24)	9	Brace Strength (H=1.8m)	w=1.829m (NKB1818) 23.52 (94.1/4vertical)		6.0/vertical (3.92)
							w=1.524m (NKB1518)		6.0/vertical
							w=1.219m (NKB1218)		6.0/vertical
							w=0.914m (NKB0918)		6.0/vertical
							w=0.610m (NKB0618)		3.5/vertical
5	Compressive strength of upper jack	186.2	 (In case of fixed pedestal)	65.0/vertical (2.86)	10	Brace Strength (H=1.2m)	w=1.829m (NKB1812)		12.0/vertical
							w=1.524m (NKB1512)		12.0/vertical
							w=1.219m (NKB1212) 25.45 (101.8/4vertical)		12.0/vertical (2.12)
							w=0.914m (NKB0912) 24.22 (96.9/4vertical)		12.0/vertical (2.01)
							w=0.610m (NKB0618) 16.07 (64.3/4vertical)		7.0/vertical (2.29)