

Parameter	Description	Lower boundary	Upper boundary
N_L	Number of legs	3	4
N_X	Number of bays	3	5
R_{foot}	Foot radius	6.792 m	12.735 m
ξ	Head-to-foot radius ratio	0.533	0.733
L	Overall jacket length		70.0 m
L_{MSL}	Transition piece elevation over MSL		20.0 m
L_{OSG}	Lowest leg segment height		5.0 m
L_{TP}	Transition piece segment height		4.0 m
q	Ratio of two consecutive bay heights	0.640	1.200
x_{MB}	Mud brace flag		true
D_L	Leg diameter	0.960 m	1.440 m
γ_b	Leg radius-to-thickness ratio (bottom)	12.0	18.0
γ_t	Leg radius-to-thickness ratio (top)	12.0	18.0
β_b	Brace-to-leg diameter ratio (bottom)	0.533	0.800
β_t	Brace-to-leg diameter ratio (top)	0.533	0.800
τ_b	Brace-to-leg thickness ratio (bottom)	0.350	0.650
τ_t	Brace-to-leg thickness ratio (top)	0.350	0.650
E	Material Young's modulus	$2.100 \times 10^{11} \text{ N m}^{-2}$	
G	Material shear modulus	$8.077 \times 10^{10} \text{ N m}^{-2}$	
ρ	Material density	$7.850 \times 10^3 \text{ kg m}^{-3}$	