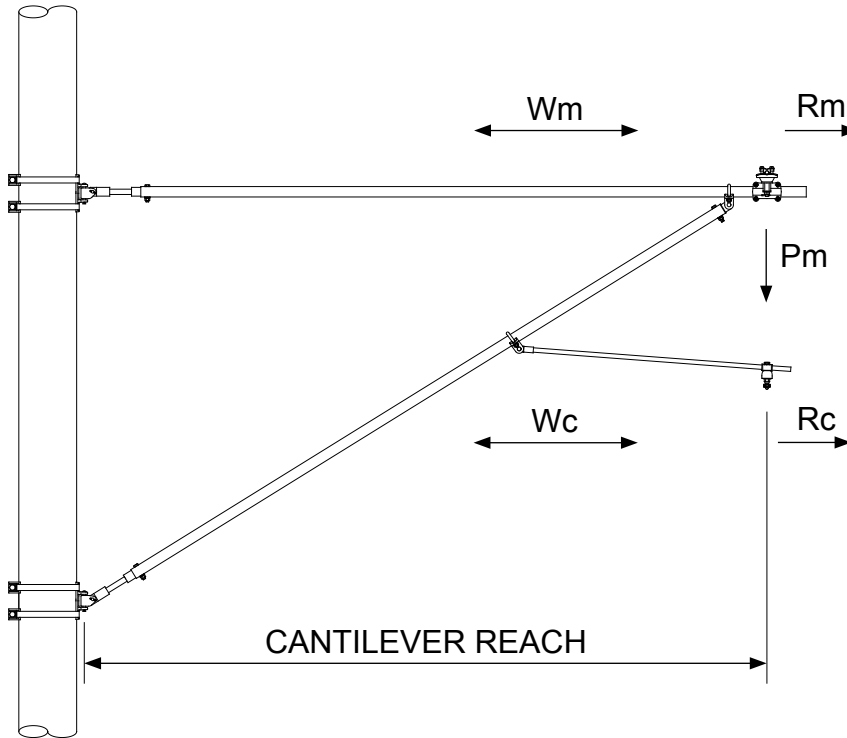


### Loading Diagram



### CANTILEVER SELECTION LOADING TABLE

CANTILEVER TYPES	APPLICATION		MAXIMUM FORCE COMPONENTS (LBS)				
			Pm	Rc	Rm	Wc	Wm
LIGHT DUTY	PULL-OFF	TANGENT & LIGHT CURVE $R \geq 1,640.40$ ft	544.04 lbs	249.54 lbs	409.15 lbs	159.61 lbs	224.81 lbs
	PUSH-OFF	TANGENT & LIGHT CURVE $R \geq 8,999.23$ ft	544.04 lbs	69.69 lbs	105.66 lbs	159.61 lbs	224.81 lbs
MEDIUM DUTY	PUSH / PULL-OFF	TANGENT & LIGHT CURVE $1,640.40$ ft > $R \geq 360.89$ ft	350.70 lbs	499.08 lbs	750.86 lbs	105.66 lbs	143.88 lbs
HEAVY DUTY	PUSH / PULL-OFF	TANGENT & LIGHT CURVE $R \geq 1,640.40$ ft	350.70 lbs	998.15 lbs	1,506.22 lbs	105.66 lbs	143.88 lbs

### CANTILEVER SELECTION LOADING TABLE

CANTILEVER TYPES	APPLICATION		MAXIMUM FORCE COMPONENTS (kN)				
			Pm	Rc	Rm	Wc	Wm
LIGHT DUTY	PULL-OFF	TANGENT & LIGHT CURVE $R \geq 500$ m	2.42 kN	1.11 kN	1.82 kN	0.71 kN	1.00 kN
	PUSH-OFF	TANGENT & LIGHT CURVE $R \geq 2,743$ m	2.42 kN	0.31 kN	0.47 kN	0.71 kN	1.00 kN
MEDIUM DUTY	PUSH / PULL-OFF	TANGENT & LIGHT CURVE $500$ m > $R \geq 110$ m	1.56 kN	2.22 kN	3.34 kN	0.47 kN	0.64 kN
HEAVY DUTY	PUSH / PULL-OFF	TANGENT & LIGHT CURVE $R \geq 110$ m	1.56 kN	4.44 kN	6.70 kN	0.47 kN	0.64 kN

THIS DOCUMENT CONTAINS PROPRIETARY AND CONFIDENTIAL DATA OF IMPULSE NC, INC. NO DISCLOSURE, REPRODUCTION OR ANY USE OF ANY PART THEREOF SHALL BE MADE WITHOUT WRITTEN PERMISSION OF IMPULSE NC, INC.

# Cantilever Options