



Resumo Aço Desenho de vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø8	3758.0	1632	1632
CA-60 Ø5	3949.6	682	682
Total			2314

VB-76	1	08	2	$\frac{883}{2^{30}}$	883	508	1016	4.0		
	2	08	2	$\frac{483}{2^{30}}$	483	549	1098	4.3		
	3	05	26	$\frac{8}{10^8}$	8	80	2080		3.3	
							Total+10%: 9.1			3.6
VB-78	1	08	2	$\frac{886}{2^{30}}$	886	886	1770	7.0		
	2	08	2	$\frac{483}{2^{30}}$	483	952	1904	7.5		
	3	05	54	$\frac{8}{10^8}$	8	80	4320		6.8	
							Total+10%: 16.0			7.5
VB-61	1	08	2	$\frac{531}{2^{30}}$	531	535	1070	4.2		
	2	08	2	$\frac{531}{2^{30}}$	531	576	1152	4.5		
	3	05	16	$\frac{8}{10^8}$	8	80	1280		2.0	
							Total+10%: 9.6			2.2
VB-79	1	08	2	$\frac{396}{2^{30}}$	396	421	842	3.3		
	2	08	2	$\frac{396}{2^{30}}$	396	462	924	3.6		
	3	05	23	$\frac{8}{10^8}$	8	80	1840		2.9	
							Total+10%: 7.6			3.2
VB-60	1	08	2	$\frac{511}{2^{30}}$	511	536	1072	4.2		
	2	08	2	$\frac{511}{2^{30}}$	511	577	1154	4.6		
	3	05	17	$\frac{8}{10^8}$	8	80	1360		2.1	
							Total+10%: 9.7			2.3
								0%:	0.0	182.7
								0%:	452.0	0.0
								Total:	452.0	182.7

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