

CALCULATION OF ALLOWABLE SPAN OF IPE BEAMS

input datas								
choose stringer width	(inches)	1,50	2,50	2,50	3,00	3,50	4,00	4,50
choose stringer height	(inches)	7,25	5,50	7,25	9,25	11,25	12,25	13,25
distance of stringers	(inches)	25,00	25,00	25,00	25,00	25,00	25,00	25,00
thickness of deck	(inches)	1,00	1,00	1,00	1,00	1,00	1,00	1,00
live load	(pounds per square foot)	100,00	100,00	100,00	100,00	100,00	100,00	100,00
allowable deflection under live load= span / x	x =	360,00	360,00	360,00	360,00	360,00	360,00	360,00
allowable span:	(inches)	121	109	143	194	249	283	318