Solutions That Set New Standards

CALDWELL Since 1888

SL61-020_r1

INSUL-TILT / Enhanced 3/8 BALANCE RANGES and TENSIONING CHART

		TUBE LENGTH														TUBE LENGTH												TUBE LENGTH											
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
WEIGHT (Lbs./Pair)	3.500 - 4.499				2W	2W	2W	2W	3W	3W	3W	3W	4W	4W																									
	4.500 - 5.499				3W	3W	3W	3W	3W	3W	4W	4W	5W	5W							3W	3W	4W	4W	4W	4W	4W												
	5.500 - 6.499				3W	3W	3W	3W	3R	3R	3R	3R	3R	3R	4W	4W	5W	5W	5W	5W	4W	4W	4W	4W	5W	5W	5W												
	6.500 - 7.499				4W	2R	2R	2R	3R	3R	3R	3R	4R	4R	4W	4W	3R	3R	4R	4R	4W	4W	5W	5W	5W	5W	5W	4W	4W	4W	4W	4W	5W	5W	5W				
	7.500 - 8.499	1R	1R	2R	2R	3R	3R	3R	3R	3R	4R	4R	5R	5R	3R	3R	4R	4R	4R	4R	5W	5W	5W	5W	6W	6W	6W	4W	4W	4W	5W	5W	5W	5W	6W					
	8.500 - 9.499	1R	2R	2R	2R	3R	3R	3R	4R	4R	5R	5R	5R	5R	4R	4R	4R	4R	5R	5R	5W	5W	6W	6W	6W	6W	6W	4W	5W	5W	5W	6W	6W	6W	6W					
	9.500 - 10.499	2R	2R	2R	3R	4R	4R	4R	4R	4R	5R	5R	6R	6R	4R	4R	5R	5R	5R	5R	3R	3R	3R	3R	4R	4R	4R	5W	5W	5W	6W	6W	7W	7W	7W					
	10.500 - 11.499	2R	2R	3R	3R	4R	4R	4R	5R	5R	6R	6R	6R	6R	5R	5R	5R	5R	6R	6R	4R	4R	4R	4R	5R	5R	5R	5W	6W	6W	6W	6W	8W	8W	8W					
	11.500 - 12.499	2R	2R	3R	4R	5R	5R	5R	5R	5R	6R	6R	7R	7R	5R	5R	6R	6R	6R	6R	5R	5R	5R	5R	5R	5R	5R	5W	6W	6W	7W	7W	9W	9W	9W					
WEIGHT (Lbs./Pair)	12.500 - 13.499	2R	3R	4R	5R	5R	5R	5R	6R	6R	7R	7R	7R	7R	6R	6R	6R	6R	7R	7R	5R	5R	5R	5R	6R	6R	6R	6W	7W	7W	8W	8W	9W	9W	9W					
	13.500 - 14.499	3R	3R	4R	5R	6R	6R	6R	7R	7R	8R	8R	8R	8R	6R	6R	7R	7R	7R	7R	6R	6R	6R	6R	6R	6R	6R	6W	8W	8W	9W	9W	10W	10W	10W	9G	9G			
	14.500 - 15.499	3R	4R	5R	5R	6R	6R	6R	7R	7R	8R	8R	9R	9R	7R	7R	7R	7R	8R	8R	6R	6R	6R	6R	7R	7R	7R	7W	8W	8W	9W	9W	10W	10W	11W	10G	10G			
	15.500 - 16.499	4R	4R	5R	6R	7R	7R	7R	8R	8R	9R	9R	10R	10R	7R	7R	8R	8R	9R	9R	7R	7R	7R	7R	7R	7R	7R	7W	9W	9W	10W	10W	11W	11W	12W	11G	11G			
	16.500 - 17.499	4R	5R	6R	6R	7R	7R	7R	8R	8R	9R	9R	5G	5G	8R	8R	8R	8R	9R	9R	7R	7R	7R	7R	8R	8R	8R	8W	9W	9W	11W	11W	12W	12W	13W	12G	12G			
	17.500 - 18.499					3G	4G	4G	4G	5G	5G	5G	5G	5G	8R	8R	9R	9R	10R	10R	8R	8R	8R	8R	8R	8R	8R	8W	10W	10W	12W	12W	13W	13W	14W	14G	14G			
	18.500 - 19.499					4G	4G	4G	5G	6G	6G	6G	6G	6G	9R	9R	9R	9R	10R	10R	8R	8R	8R	8R	9R	9R	9R	9W	11W	11W	13W	13W	14W	14W	15W	15G	15G			
	19.500 - 20.499					4G	4G	4G	5G	6G	6G	6G	6G	6G	9R	9R	10R	10R	11R	11R	9R	9R	9R	9R	9R	9R	9R	10W	12W	12W	14W	14W	15W	15W	16W	17G	17G			
	20.500 - 21.499							5G	6G	7G	7G	7G	7G	7G	9R	9R	10R	10R	12R	12R	9R	9R	10R	10R	10R	10R	10R	11W	12W	12W	14W	14W	16W	16W	17W	18G	19G			
WEIGHT (Lbs./Pair)	21.500 - 22.499							5G	6G	7G	7G	7G	7G	7G	8G	8G	8G	8G	9G	9G	10R	10R	10R	10R	11R	11R	11R	12W	13W	13W	15W	15W	17W	17W	18W	19G	21G			
	22.500 - 23.499								7G	8G	8G	8G	8G	8G	9G	9G	9G	9G	10G	10G	11G	11G	13G	13G	14G	14G	15G	15G	17G	17G	19G	19G	20G	20G	21G	21G	23G			
	23.500 - 24.499								7G	8G	8G	8G	8G	8G	9G	9G	9G	9G	10G	10G	11G	11G	13G	13G	15G	15G	16G	16G	18G	18G	20G	20G	21G	21G	22G	23G	14Y	15Y	15Y	16Y
	24.500 - 25.499											5Y	5Y	9G	10G	10G	10G	10G	11G	11G	12G	12G	14G	14G	16G	16G	16G	16G	19G	19G	22G	22G	22G	22G	24G	24G	15Y	15Y	16Y	16Y
	25.500 - 26.499											5Y	5Y	9G	10G	10G	11G	11G	12G	12G	13G	13G	14G	14G	16G	16G	17G	17G	20G	20G	23G	23G	23G	23G	25G	25G	16Y	16Y	17Y	17Y
	26.500 - 27.499											6Y	6Y	7Y	7Y	8Y	9Y	10Y	10Y	11Y	11Y	11Y	11Y	12Y	12Y	12Y	12Y	12Y	13Y	13Y	13Y	13Y	13Y	14Y	15Y	16Y	16Y	17Y	17Y	18Y
	27.500 - 28.499											6Y	6Y	7Y	8Y	9Y	10Y	11Y	11Y	12Y	12Y	12Y	12Y	13Y	13Y	13Y	13Y	13Y	13Y	14Y	14Y	14Y	14Y	15Y	16Y	17Y	17Y	18Y	18Y	19Y
	28.500 - 29.499											7Y	7Y	7Y	8Y	9Y	10Y	11Y	12Y	12Y	12Y	12Y	13Y	13Y	13Y	13Y	13Y	13Y	14Y	15Y	15Y	15Y	15Y	16Y	17Y	17Y	18Y	19Y	19Y	19Y
	29.500 - 30.499											7Y	7Y	7Y	9Y	10Y	11Y	12Y	12Y	13Y	13Y	13Y	13Y	14Y	14Y	14Y	14Y	14Y	15Y	15Y	16Y	16Y	16Y	17Y	17Y	18Y	19Y	19Y	20Y	20Y
WEIGHT (Lbs./Pair)	30.500 - 31.499											7Y	8Y	8Y	9Y	10Y	11Y	12Y	13Y	13Y	14Y	14Y	14Y	14Y	14Y	15Y	15Y	15Y	16Y	16Y	17Y	17Y	17Y	18Y	18Y	19Y	20Y	20Y	21Y	21Y
	31.500 - 32.499											8Y	8Y	8Y	9Y	11Y	12Y	13Y	13Y	14Y	14Y	14Y	15Y	15Y	15Y	16Y	16Y	16Y	16Y	17Y	18Y	18Y	18Y	19Y	19Y	20Y	20Y	21Y	21Y	22Y
	32.500 - 33.499											8Y	8Y	8Y	10Y	11Y	12Y	13Y	14Y	14Y	15Y	15Y	16Y	16Y	16Y	17Y	17Y	17Y	17Y	18Y	18Y	18Y	18Y	19Y	20Y	20Y	21Y	21Y	22Y	22Y
	33.500 - 34.000											8Y	9Y	9Y	10Y	11Y	12Y	14Y	14Y	15Y	16Y	16Y	17Y	17Y	17Y	18Y	18Y	18Y	18Y	19Y	19Y	19Y	19Y	20Y	20Y	21Y	21Y	22Y	23Y	23Y
WEIGHT (Lbs./Pair)	34.001 - 38.000	<-- Enhanced 3/8 -->										GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY	GY
	38.001 - 42.000											GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO	GYO

KEY

W = White Tip
R = Red Tip
G = Green Tip (HD) Heavy Duty
Y = Yellow Tip (SHD) Super Heavy Duty
GY = Gray Tip (Enhanced Pre Tensioned)
GYO = Gray Tip w/Orange Rod (Enhanced Pre Tensioned)

NOTES:

1. Figures listed above represent the number of turns applied to the balance rod with the rod fully retracted.
2. Values above are based upon testing per AAMA 902
3. A pair of balances is required to balance the sash weight shown.