CALDWELL

SL61-020_R0

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

		TUBE LENGTH													
		7	8	9	10	11	12	13	14	15	16	17	18	19	20
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	
	5.500 - 6.499				3W	3W	3W	3W	3R	3R	3R	3R	3R	3R	4W
	6.500 - 7.499				4W	2R	2R	2R	3R	3R	3R	3R	4R	4R	4W
	7.500 - 8.499	1R	1R	2R	2R	3R	3R	3R	3R	3R	4R	4R	5R	5R	3R
	8.500 - 9.499	1R	2R	2R	2R	3R	3R	3R	4R	4R	5R	5R	5R	5R	4R
	9.500 - 10.499	2R	2R	2R	3R	4R	4R	4R	4R	4R	5R	5R	6R	6R	4R
	10.500 - 11.499	2R	2R	3R	3R	4R	4R	4R	5R	5R	6R	6R	6R	6R	5R
	11.500 - 12.499	2R	2R	3R	4R	5R	5R	5R	5R	5R	6R	6R	7R	7R	5R
WEIGHT (Lbs./Pair)	12.500 - 13.499	2R	3R	4R	5R	5R	5R	5R	6R	6R	7R	7R	7R	7R	6R
	13.500 - 14.499	3R	3R	4R	5R	6R	6R	6R	7R	7R	8R	8R	8R	8R	6R
	14.500 - 15.499	3R	4R	5R	5R	6R	6R	6R	7R	7R	8R	8R	9R	9R	7R
	15.500 - 16.499	4R	4R	5R	6R	7R	7R	7R	8R	8R	9R	9R	10R	10R	7R
	16.500 - 17.499	4R	5R	6R	6R	7R	7R	7R	8R	8R	9R	9R	5G	5G	8R
	17.500 - 18.499					3G	4G	4G	4G	5G	5G	5G	5G	5G	8R
	18.500 - 19.499					4G	4G	4G	5G	6G	6G	6G	6G	6G	9R
	19.500 - 20.499					4G	4G	4G	5G	6G	6G	6G	6G	6G	9R
	20.500 - 21.499							5G	6G	7G	7G	7G	7G	7G	9R
WEIGHT (Lbs./Pair)	21.500 - 22.499							5G	6G	7G	7G	7G	7G	7G	8G
	22.500 - 23.499								7G	8G	8G	8G	8G	8G	9G
	23.500 - 24.499								7G	8G	8G	8G	8G	8G	9G
	24.500 - 25.499											5Y	5Y	9G	10G
	25.500 - 26.499											5Y	5Y	9G	10G
	26.500 - 27.499											6Y	6Y	7Y	7Y
	27.500 - 28.499											6Y	6Y	7Y	8Y
	28.500 - 29.499											7Y	7Y	7Y	8Y
	29.500 - 30.499											7Y	7Y	7Y	9Y
WEIGHT (Lbs./Pair)	30.500 - 31.499											7Y	8Y	8Y	9Y
	31.500 - 32.499											8Y	8Y	8Y	9Y
	32.500 - 33.499											8Y	8Y	8Y	10Y
	33.500 - 34.000											8Y	9Y	9Y	10Y
	34.001 - 38.000	<-- Enhanced 3/8 -->										GY	GY	GY	GY
	38.001 - 42.000											GYO	GYO	GYO	GYO

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

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

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.

Drawn: GM
Date: 08/27/2010