



Ottawa, February 3, 1981

**NOTICE OF APPROVAL - AVIS D'APPROBATION**

D.S.C. FLEXURE BASE SCALE SERIES FB

Manufacturer: D.S.C. Weighing Systems Inc.,  
RR #1, Highway #2  
BRANTFORD, Ontario  
N3T 5L4

Type of Device: A weight platform that is fabricated from steel, it utilizes flexure mounting for the lever system and a single cantilever load cell for sensing weight.

Application: Industrial

<u>MODEL NO.</u>	<u>SIZE</u>	<u>CAPACITY</u>		<u>LOAD CELL</u>
		<u>LB</u>	<u>KG</u>	
FB-2020	20"x20"	50 to 1000	25 to 500	Cantilever type
FB-2025	20"x25"	50 to 1000	25 to 500	
FB-2525	25"x25"	50 to 2000	25 to 1000	
FB-2530	25"x30"	100 to 2000	50 to 1000	
FB-3030	30"x30"	200 to 2000	100 to 1000	
FB-3036	30"x36"	500 to 2000	250 to 1000	
FB-3636	36"x36"	500 to 5000	250 to 2500	
FB-3648	36"x48"	500 to 5000	250 to 2500	
FB-4848	48"x48"	1000 to 5000	500 to 2500	
FB-4860	48"x60"	1000 to 5000	500 to 2500	
FB-6060	60"x60"	1000 to 10000	500 to 5000	
FB-6072	60"x72"	1000 to 10000	500 to 5000	
FB-7272	72"x72"	1000 to 10000	500 to 5000	
FB-6084	60"x84"	1000 to 20000	500 to 10000	
FB-7296	72"x96"	10000 to 20000	5000 to 10000	

Device Description: This platform scale is fabricated as follows:

- (a) The base is made from steel angle iron (sides) welded to rectangular steel tubing (ends) and re-inforced with flat steel bars (side to side) welded into position.
- (b) The weighbridge is fabricated from square steel tubing welded together and covered with a steel deck bolted into place.

Device Description: Cont'd

- (c) The two levers are fabricated from flat steel bars and rectangular steel tubing welded in an "A" frame shape. One A frame lever has an extension on which the load cell is mounted. The load cell is connected to the base frame by a flexible steel cable.

The two levers are interconnected at the center of the scale by a short steel cable mounted on adjustable steel plates (a nose iron).


The lever system utilizes flexure plates at the fulcrum and loading points.

- (d) The FB series of weight platforms are not fitted with level indicators or levelling feet. They are to be bolted into place on a level flat surface when installed.

Conditions of Approval:

Approval is granted under the Weights and Measures Act., S.C. 1970-71-72 Chapter 36, and the Weights and Measures Regulations C.R.C.c., 1605 for use in Canada under the general conditions of the said Regulations, and under any special conditions listed above.

Reference No.: *Q. M.H.* G6922-D89

  
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 John Armstrong  
 Chief  
 Weights and Measures Division  
 Legal Metrology Branch