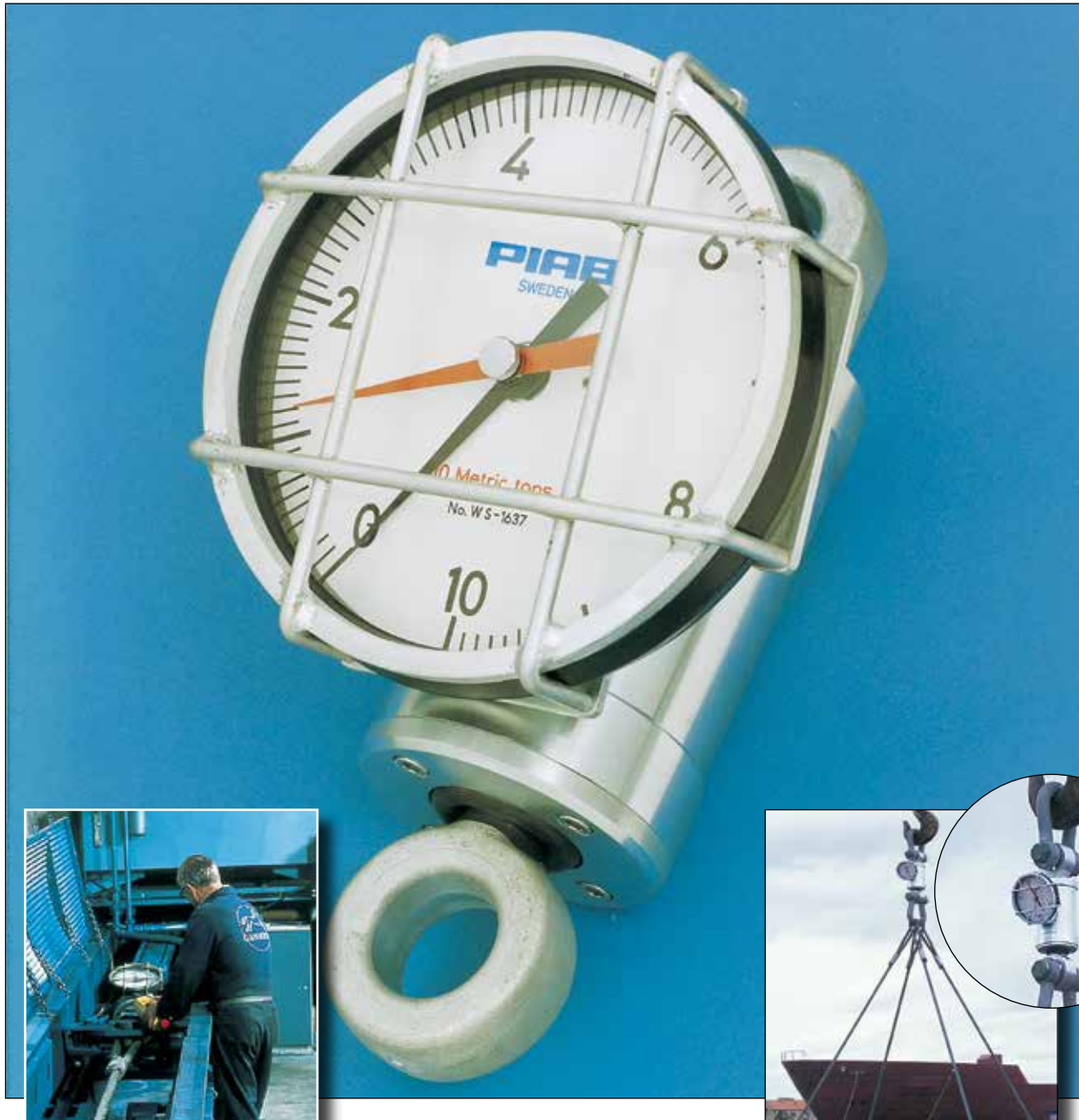


# PIAB Craneweigher



*Rupture test of lifting gear.*

*Weighing in shipyard.*

For weighing and force measurement where the demands for accuracy, reliability and safety are high. The PIAB Craneweigher is constructed for continuous service under the most severe conditions.

## TECHNICAL DATA

### ACCURACY

±0.5% of the max. capacity.

### WORKING TEMPERATURE

Max. 140°F (+60°C).

If the crane weigher is used above objects emitting strong radiant heat, e.g. in foundries, it should be equipped with the heat radiation shield and machine glass.

### TAREING

The crane weigher can be tared to approx. 10% of the full scale.

### SCALE

Ø 11-15/64" inclined 20° to facilitate reading from below. The scale is white lacquered with black graduation. It is also available with intermediate graduation.

### MAX. DEFLECTION

Approx. 330°.

### GRADUATION

The crane weigher can be graduated in kg, kp, N, lb, cwt, etc.



## RANGE OF APPLICATION

The PIAB Crane weigher is an all-weather instrument and may be supplied with remote-reading instruments for weighing and for measuring mechanical forces.

## FUNCTION

The pull rod operates the pointer through a spring loaded floating transmission mechanism. This allows the PIAB Crane weigher to withstand very severe shock loads and rapid unloading. The power-

The PIAB Crane weigher is exceptionally well suited for measurements in breaking tests, as the maximum load pointer remains at the breaking point or maximum value reached.

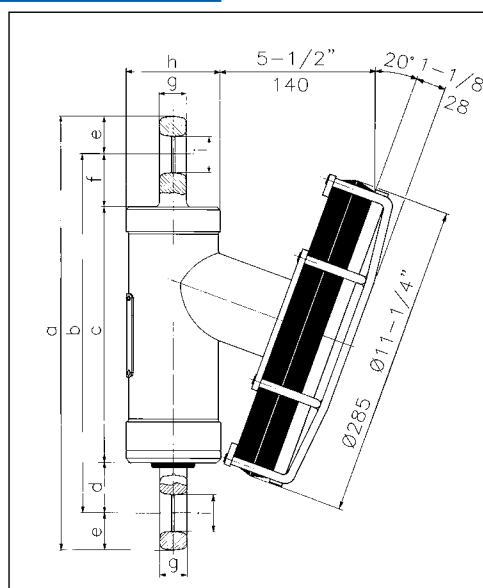
## SAFETY

**Safety factor 5:1. Guaranteed to withstand a load of 5 times full scale reading before rupture. The crane weigher may be overloaded by 100% without impairing the accuracy. The scale is protected by thick acrylic glass and a heavy duty removable wire shield.**

The O-ring of the pull rod is protected by a neoprene rubber membrane. On instantaneous unloading, e.g. breaking test, the return movement of the pull rod is retarded by a specially made spring washer.

*The pull rod movement at full load is approximately 25/64". We reserve the right to change without notice.*

absorbing element consists of specially made Belleville type spring washers, so designed as to be entirely free from wear. The spring washers cannot be overloaded.



ART.NO.	TYPE	CAPACITY	GRADUATION	DEAD WEIGHT	MEASUREMENTS IN INCHES AND (mm)								
					a	b	c	d	e	f	g	h	i
300420	WA	500 kg	5 kg	35 lb (16 kg)	15-9/16" (395)	12-7/8" (327)	9-7/32" (234)	1-49/64" (45)	1-11/32" (34)	1-57/64" (48)	63/64" (25)	3-25/64" (86)	1-19/64" (33)
300421	NWA	5 kN	50 N										
300422	WC	1100 lb	10 lb										
300425	WB	1000 kg	10 kg										
300426	NWB	10 kN	100 N										
300427	WD	2200 lb	20 lb										
300430	WM	2000 kg	20 kg										
300431	NWM	20 kN	200 N										
300432	WN	4400 lb	50 lb										
300435	WO	3000 kg	20 kg										
300436	NWO	30 kN	200 N										
300437	WP	6600 lb	50 lb										
300440	WQ	5000 kg	50 kg	79 lb (36 kg)	19-1/2" (495)	15-5/32" (385)	10-15/64" (260)	2-23/64" (60)	2-11/64" (55)	2-9/16" (65)	1-49/64" (45)	5-55/64" (149)	2-13/64" (56)
300441	NWQ	50 kN	500 N										
300442	WR	11000 lb	100 lb										
300445	WS	10000 kg	100 kg	196 lb (89 kg)	26-37/64" (675)	19-7/8" (505)	11-13/16" (300)	4-1/64" (102)	3-11/32" (85)	4-1/16" (103)	2-3/4" (70)	8-31/32" (228)	3-3/16" (81)
300446	NWS	100 kN	1 kN										
300447	WT	22000 lb	200 lb										
300450	WU	20000 kg	200 kg	196 lb (89 kg)	26-37/64" (675)	19-7/8" (505)	11-13/16" (300)	4-1/64" (102)	3-11/32" (85)	4-1/16" (103)	2-3/4" (70)	8-31/32" (228)	3-3/16" (81)
300451	NWU	200 N	2 kN										
300452	VV	44000 lb	500 lb										
300455	WG	25000 kg	200 kg	196 lb (89 kg)	26-37/64" (675)	19-7/8" (505)	11-13/16" (300)	4-1/64" (102)	3-11/32" (85)	4-1/16" (103)	2-3/4" (70)	8-31/32" (228)	3-3/16" (81)
300456	NWG	250 kN	2 kN										
300457	WH	55000 lb	500 lb										

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