

PRECISION LOAD CELLS

REDEX SENSORS

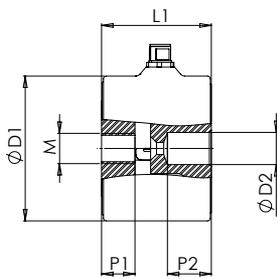
Transducer		SIZE 1			SIZE 2		
		WAT+5	WAT+25	WAT+50	WAT+100	WAT+250	WAT+500
Reference		ME134810-00	ME134802-00	ME134890-00	ME135524-00	ME135525-00	ME135526-00
Load rating (FS)	N	50	250	500	1000	2500	5000
Safe Load limit	%FS		500			300	
Resistance	Ω		350			350	
Excitation	V		5 to 10			5 to 10	
Sensitivity	mV/V		~1.6			~2	
Accuracy Class	%FS		0.3			0.3	
Working Temp	$^{\circ}\text{C}$		10 to 60			10 to 60	

Included connector + shielded cable 5m length

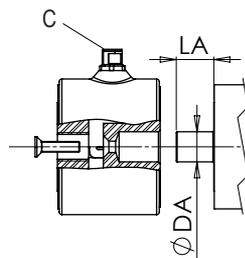


DIMENSIONS | LOAD CELLS & ACCESSORIES

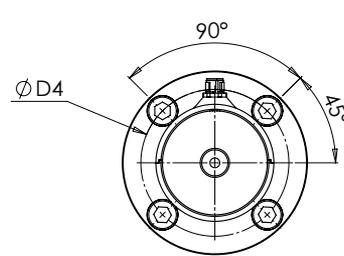
	D1	D2	L1	M	P1	P2	C	DA	LA	D3	D4	L2
SIZE 1	56	12H8	40	M10	11	17	M8	12h6	16	90	75	10
SIZE 2	76.5	17H4	57.5	M16	17.5	23	M12	17h6	21	120	96	16



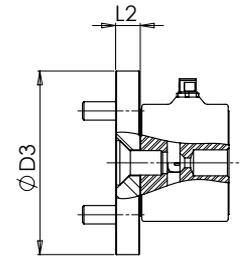
WAT+



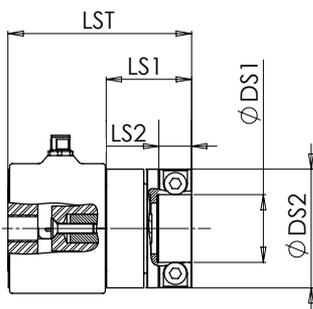
ACCESSORY SHAFT



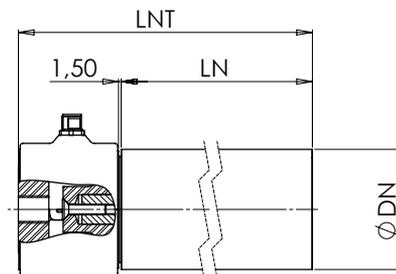
FLANGE



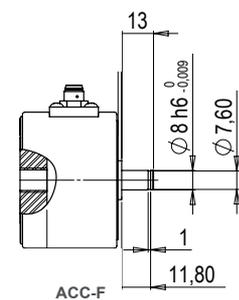
	DS1	DS2	LS1	LS2	LST	DN	LN	LNT
SIZE 1	25H8	50	42.4	13.5	82.4	49.5	100-200-300	41.5 + LN
SIZE 2	40H8	72	54	19	111.5	69.5	200	59 + LN



ACC-S



ACC-N



ACC-F

Accessory	SIZE 1						SIZE 2		
	FLANGE 1	ACC-S	ACC-N100	ACC-N200	ACC-N300	ACC-F	FLANGE 2	ACC2-S	ACC2-N200
Reference	ME134812-00	ME134811-00	ME134813-00	ME134808-00	ME134814-00	ME134803-00	ME135837-00	ME135835-00	ME135836-00

info.usa@redex-group.com
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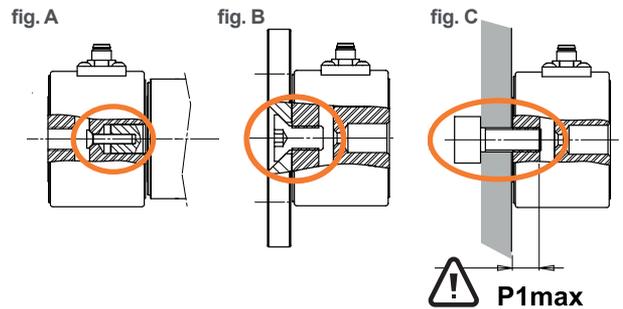
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PRECISION LOAD CELLS

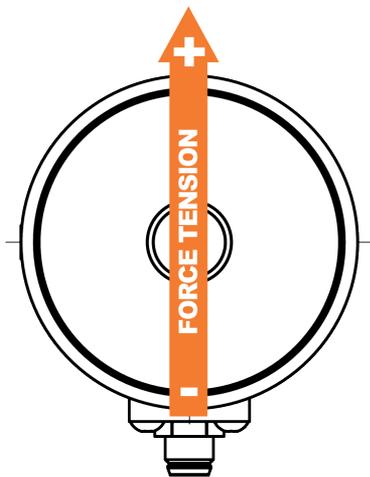
REDEX SENSORS

ASSEMBLY PRECAUTIONS FOR MOUNTING & ACCESSORIES F / S / N & FLANGE

	Size	fig. A	fig. B	fig. C
Screw type (class 8,8)	Size 1	FHc M4*16	FHc M10*13	M10
	Size 2	FHc M6*25	FHc M16*30	M16
Tightening torque (max value)	Size 1	1.5Nm	25Nm	25Nm
	Size 2	5Nm	105Nm	105Nm



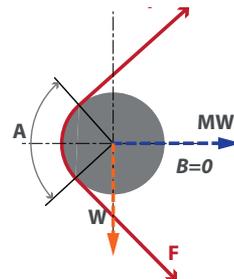
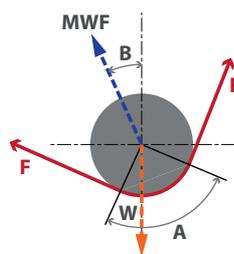
LOAD DIRECTION



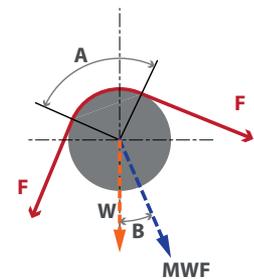
CALCULATIONS

$$MWF = 3 \cdot F \cdot \sin(A/2) - W \cdot \cos(B)$$

$$MWF = 3 \cdot F \cdot \sin(A/2) + W \cdot \cos(B)$$



$$MWF = 3 \cdot F \cdot \sin(A/2)$$



MWF = Max Working Force on load cell(s)

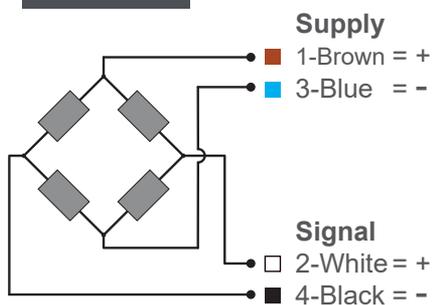
For 2 load cells, the MWF must be divided by 2 to size each load cell

W : Roll / pulley weight

F : Max tension (on the product)

*safety factor 1.5 included

WIRING



Connector

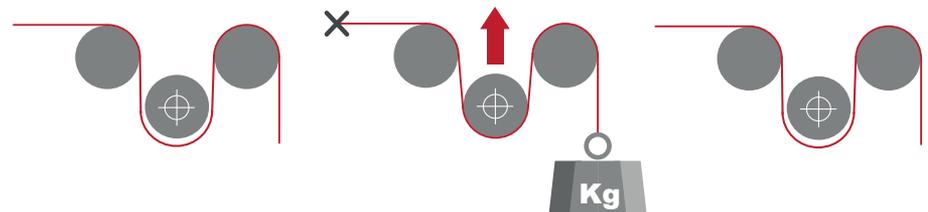
M8 - IEC 61076-2-104 A-Standard
M12 - IEC 61076-2-101 A-Standard

SETTING-UP PRINCIPLES

1 - Release any tension on the product. Set the zero offset

2 - Apply a known tension on the product. Set the value to adjust the gain factor.

3 - Release again any tension on the product and check again the zero value.



IN ASSOCIATION WITH

REDEX Group



DG BLOCK



AMPLIBLOCK+



DGT300+