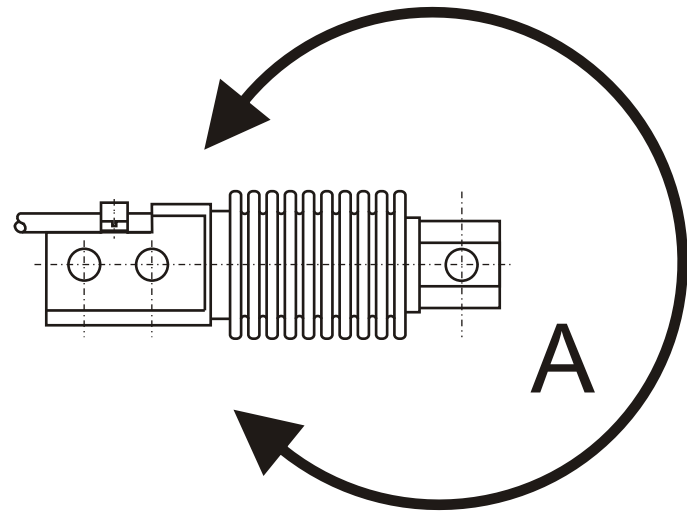


NOTE:- LOAD CELLS AT "A" AND "B" ARE SHOWN ORIENTATED ALONG THE AUGER AXIS BUT CAN ALSO BE ORIENTATED ACROSS THE AXIS.

UPLIFT LIMIT NOTE:- AT EACH LOAD CELL A HEAVY BOLT SHOULD BE LOCATED MOUNTED IN THE BASE FRAME AND PASSING THROUGH A 10mm CLEARANCE HOLE IN THE AUGER FRAME TO ALLOW LATERAL MOVEMENT FREEDOM. IT SHOULD INCLUDE A LOCK NUT AND WASHER ABOVE AND BELOW THE AUGER FRAME TO LIMIT UPLIFT OF THE AUGER TO 2mm MAXIMUM. THE LOWER WASHER AND BOLT ARE IN PLACE TO SUPPORT THE AUGER IN THE UNLIKELY EVENT OF LOAD CELL FAILURE OR CHANGEOVER.

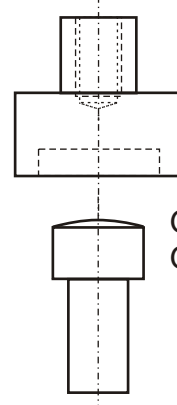
USE LOAD BUTTON AND GUIDED BEARING PLATE AT "C" WITH THE PLATE ORIENTATED TO LIMIT CROSS AXIS MOVEMENT AND ALLOW THERMALLY INDUCED MOVEMENT.

AUGER IS "SEMI FIXED" AT "A" AND ROTATES AT THIS POINT



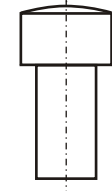
A

USE LOAD BUTTON AND LOAD CUP AT "A" TO ACT AS A "SWIVAL"

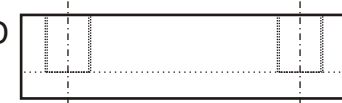


GK-LC21S LOAD CUP

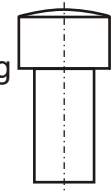
GK-LB21S LOAD BUTTON for 50kg~200kg
GK-LB35S LOAD BUTTON for 350kg & 500kg



GK--GBP21S GUIDED BEARING PLATE



GK-LB21S LOAD BUTTON for 50kg~200kg
GK-LB35S LOAD BUTTON for 350kg & 500kg



THERMAL EXPANSION/CONTRACTION RESULTS IN ALONG AXIS MOTION HERE
For long Augers length change can be 4mm



ROTATION AT "A" RESULTS IN ACROSS AXIS MOTION HERE

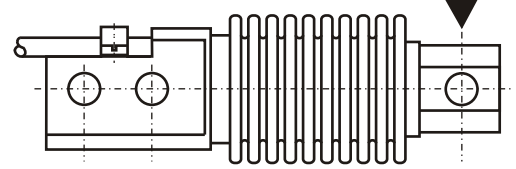


MOTOR

AUGER/SCREW FEEDER

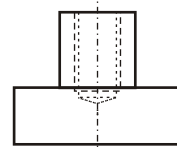
C

THE SHORT DISTANCE TO "A" RESULTS IN VERY SMALL THERMAL MOVEMENT AT "B"



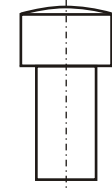
B

USE LOAD BUTTON AND BEARING PLATE AT "B" TO ALLOW FREE MOVEMENT



GK-FBP21S FLAT BEARING PLATE

GK-LB21S LOAD BUTTON for 50kg~200kg
GK-LB35S LOAD BUTTON for 350kg & 500kg



ROTATION AROUND "A" PRODUCES SMALL ALONG AXIS MOTION AT "B"



Load Cell at "C" is orientated in the direction of least sensitivity to restraining force which is along the axis of the cell.

1	Added GK-LB35S for 200&350kg	5-7-07	BG
REV	AMENDMENT	DATE	NAME



GEDGE SYSTEMS

488 Church Street, Richmond, Victoria, Australia
Phone +61 3 9429 8396 Fax +61 3 9429 8097

Material	Orientation & Location of GK2101S Components in Auger Weighing		A3
Tolerances:- +/-0.20mm Unless Stated. Dimensions mm	DRAWN BG	DrgNo	REV 1
	DATE 14-05-07	18153	
	APPROVED BG		
	GS P/No see drawing	SCALE	SHEET 1 of 1