

## PRE-STRESS

Duty-holder name	
Site Address	
Registered Office Address	
Employee Numbers	

Inspection Item		Y	N	Comments
1	Is there a documented Stressing Policy?			
2	Are all operatives involved in the pre-stressing process suitably and sufficiently trained (e.g. PS1-4) with a record of training available?			
3	Have risk assessments been completed for prestressing activities and which include the effects of dust and noise?			
4	If Y to 3 – have risk assessments been communicated to employees and is a record of training (and refresher training) available?			
5	Is there a documented safe system of work (SSOW) completed for pre-stressing work activities, e.g. off-loading and handling of steel?			
6	If Y to 5 – have safe systems of work been communicated to employees and is a record of training (and refresher training) available?			
7	Is there a procedure for: i. inspecting wires ii. reporting damaged wires iii. the de-tensioning of beds?			
8	Has Manual Handling been risk assessed with suitable and sufficient controls implemented (e.g. jack support)?			
9	Are employees provided with the appropriate PPE (e.g. eye protection, gloves)?			
10	Are pre-start / stressing equipment inspections recorded and available to view?			
11	Is the off-loading, handling and storage of steel coils adequate to ensure failure modes are minimised?			
12	Is a report of thorough examination available for all lifting equipment used during pre-stressing activities?			
13	Are straps on steel coils cut with steel-strapping cutters?			
14	Is the stressing operative provided with a safe location during stressing operation?			

15	Are all other operatives excluded from the work area?			
16	Are warning signs displayed with visual/audible alarms?			
17	Is written instruction provided detailing size of strand and appropriate stressing force?			
18	Are there protection measures in place post stressing at stressing and non-stressing ends?			
19	Are intermediate saddles provided every 5-10 metres?			
20	Are these saddles and anchorage points visually inspected daily?			
21	Are hydraulic jacks maintained and have a maintenance record?			
22	Are hydraulic jacks routinely inspected and have a current calibration certificate (required every 6 months)?			
23	Does the pump have a pressure relief valve to ensure wire / strand is not overstressed?			
24	Are barrels and wedges routinely cleaned and inspected with the aid of magnification?			
25	Is a steel barrel insert tool used to measure barrel wear?			
26	Are spot checks completed alongside an independent inspection of barrels and wedges every 12 months?			
27	Are barrels and wedges stored in a rotational system?			
28	Where lubrication sprays are used, have these been risk assessed?			
29	Is there an extraction system provided where the barrels and wedges are lubricated?			
30	Are rejected items (i.e., barrels and wedges) removed from the production process immediately?			
31	Are records maintained for the cleaning, inspection and discarding of barrels and wedges?			
32	Is an NDT test carried out on all beds every 5 years?			

#### **Additional comments**