

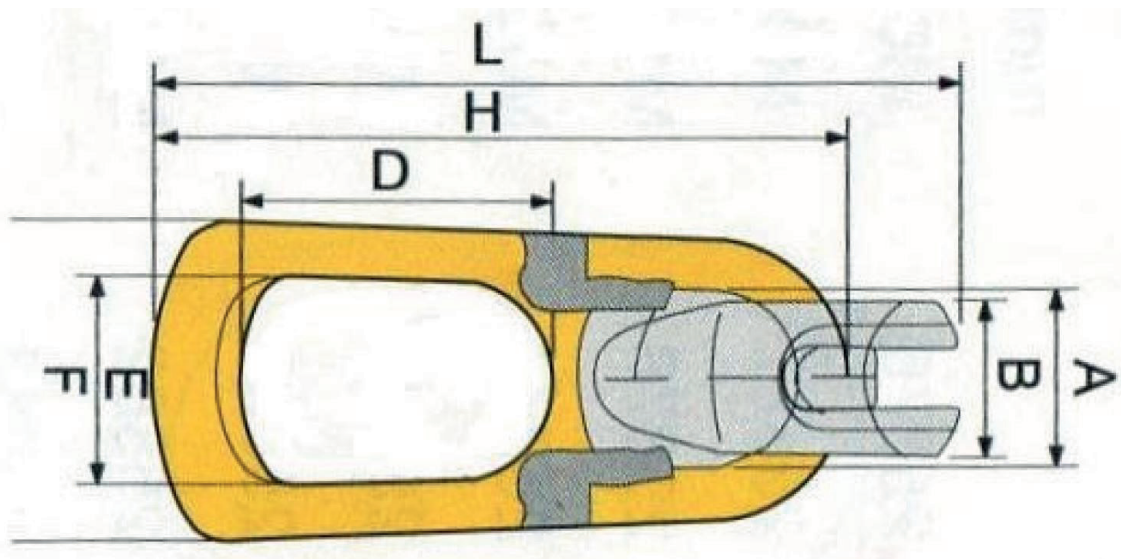
Grade 80 Lifting Clutch - Instructions for use



Description:

The Grade 80 Lifting clutch is designed to engage to the head of a dogbone lifting anchor precast into concrete elements. It consists of two components a spherical head anchor and a lifting link, the design allows a precast panel to be lifted, turned, tilted and rotated under load. The design ensures that only matching components will fit together.

Weights and Dimensions:



Grade 80 Lifting Clutch									
Product Code	WLL	Dimensions (mm)							Net Weight
	tonnes	A	B	D	E	F	H	L	Kg
25251	1-1.3	42	33	71	45	73	157	181	0.9
25252	1.5 - 2.5	49	41	85	57	88	190	220	1.3
25253	3 - 5	70	55	88	69	110	233	271	3.3
25254	6 - 10	92	73	116	83	161	337	386	10
25255	12 - 20	115	110	134	108	182	437	497	20.4

WARNING - Never exceed the Working Load Limit (WLL) - FOS 5:1

Installation and Use

All lifting operations should only be carried out by a suitably trained and experienced person, ensure the area is clear of personnel and obstructions before commencing the lift, large loads should be controlled with tagline(s).

Before use, the lifting clutch should be inspected for deformation, cracking, wear, mechanical or heat damage and corrosion, if in doubt consult a competent person before use.

Do not leave loads suspended for extended periods.

1. Attach to the concrete panel by lowering the lifting clutch into place over the anchor, engage the clutch by rotating the spherical head until the tab rests on the concrete surface.
2. Raise the load, the clutch is designed to take the maximum WLL at 90° to the load surface, if the load is to be tilted or rotated position the clutch to ensure that the load is taken in the direction of the tab on the spherical head. **WARNING** – Do not lift away from the tab, this can cause the clutch to disengage and the load to drop.
3. Once the load is in position and secure, disengage the clutch by releasing the tension and rotating the tab away from the concrete surface.

Inspection and Maintenance

Regular inspections should be carried out and recorded by a competent person in accordance with applicable national standards or at least annually.

Before inspection, the lifting clutch should be clean and free from oil, dirt and rust which may hide defects.

- ☐ Inspect for general condition and repair.
- ☐ Ensure the lifting eye is free to rotate in all directions.
- ☐ Check the anchor head for wear, deformation or cracking.
- ☐ Destroy any item by cutting the lifting eye before disposal.

Particular attention should be paid to the anchor head looking for wear in the slot which engages with the dogbone anchor.

If used in aggressive environments or frequently under full load the period of inspection should be shortened as determined by a competent person.

If in any doubt remove the lifting clutch from service and refer to a suitably qualified person for advice.

The lifting clutch should not be modified or repaired, if in any doubt replace with a new item.