

October 2011

POWER TEAM.

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PREDATOR™
By POWER TEAM

PRE-STRESSING & DE-STRESSING WITH **POWER TEAM®**

The use of Power Team High Force Hydraulics enables the pre-stressing and de-stressing of concrete barriers to be completed with ease. This application sees pre-stressed wire strands being covered in concrete before the wire strands and de-stressed once the concrete has cured, the end result being pre-stressed concrete barriers.



A Power Team 20T Stressing Ram (SJ2010DA) was used to stress each individual strand. This Ram is particularly suitable for this application for the following reason:

> The SJ2010DA has a hydraulic system that locks the wedges into the barrel before the ram retracts, this eliminates any slipping of the wire strands when the pressure is released.

> The design of the SJ2010DA eliminates any chance of the rams rotating during the stressing stroke.

> The SJ2010DA Ram fits over the wire strand eradicating the need to thread the wire strands through the centre of the ram, thus reducing the length of overhand required on the wire strands.

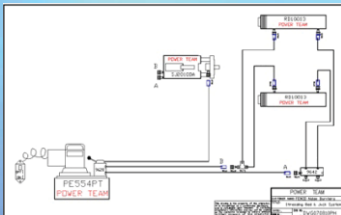
> Ideally suited for work on slab-on-grade where dirt, heat and high volume take their toll.

> Service Repair is simple, components are long lasting and easily replaced.

> All hydraulic fluid controls are interior designed; more efficient and safer operation during tensioning and retraction.



The main beam is held in position by two 100T, 13" stroke double acting rams (RD10013), these two rams are also used in the de-stressing of the wires once the concrete has set. All hydraulic rams involved in this application are driven by the impressive market leading Vanguard pump PE554PT-50-220.



Contact us for more information on how Power Team Tools and Equipment can help you...

handy hydraulic hint

DON'T stress any tendons which contain concrete slurry inside the anchor cavity. Concrete in the anchor cavity will prevent proper seating of the wedges. It is safer and less expensive to clean out concrete slurry than to have to de-tension, repair or replace tendons, or repair the jack.

Want more information?
Contact
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or your
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www.pthydraulics.com.au