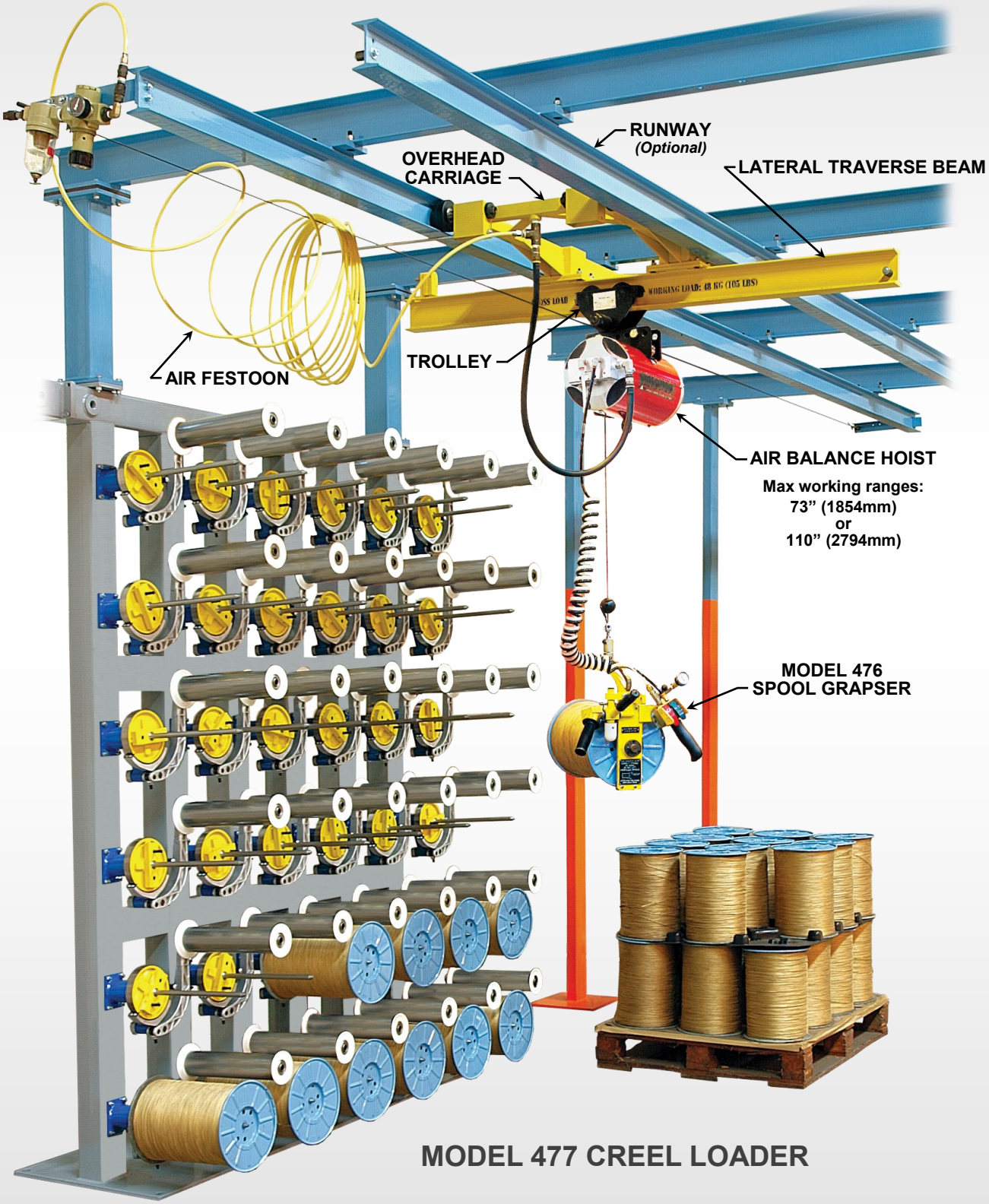
Creel Loading Systems

WITH AIR BALANCE HOIST AND MODEL 476 SPOOL GRASPER



MODEL 477 CREEL LOADER

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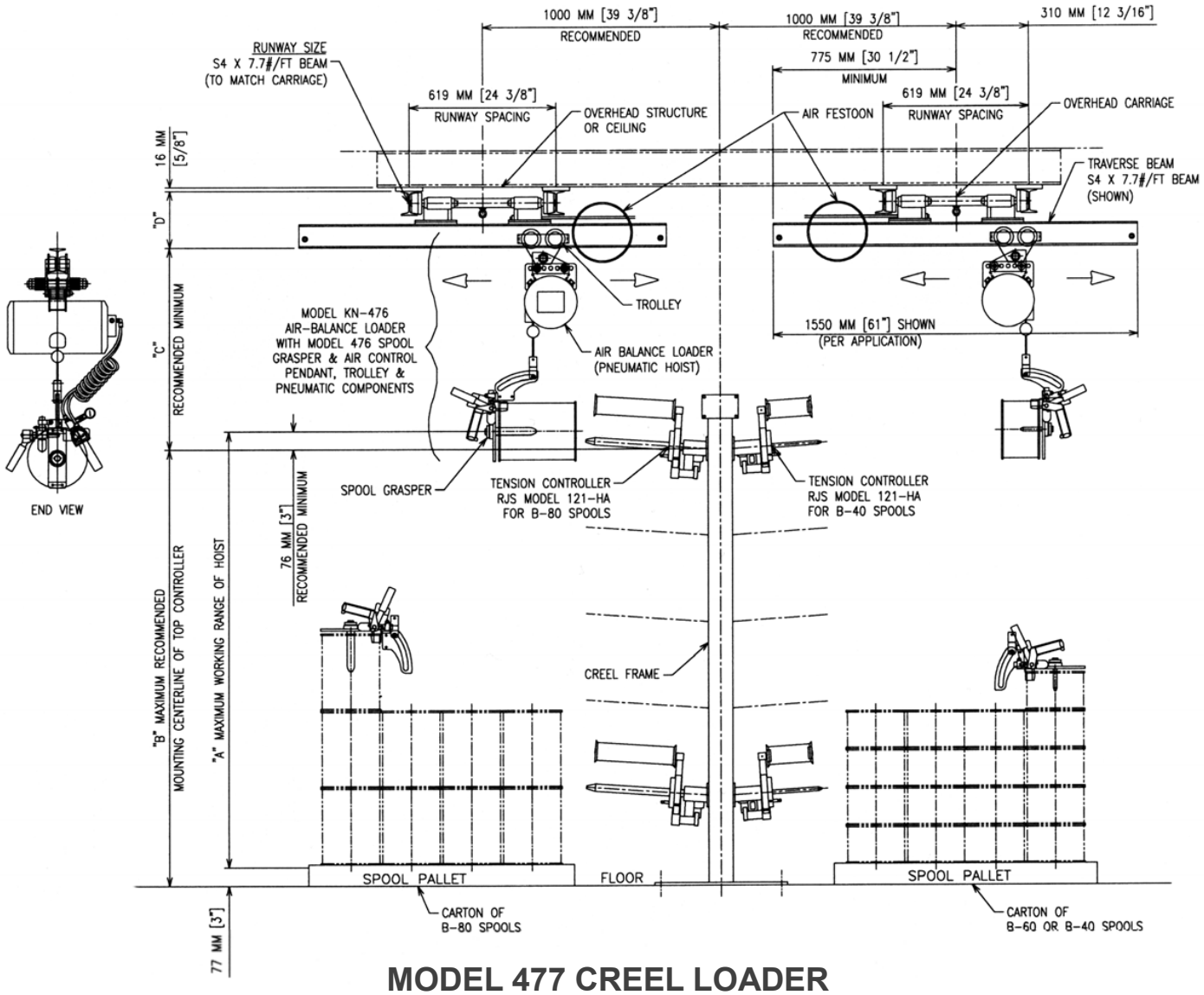


MODEL 477 CREEL LOADER

MODEL	"A" MAX WORKING RANGE		"B" MAX HEIGHT		"C"		"D"	
KN	1854 mm	73"	1854 mm	73"	855 mm	33-11/16"	* 240 mm	* 9-7/16"
KN-1	2794 mm	110"	2794 mm	110"	906 mm	35-11/16"		

* USING S4 x 7.7 #/FT BEAM FOR RUNWAYS AND TRAVERSE BEAM

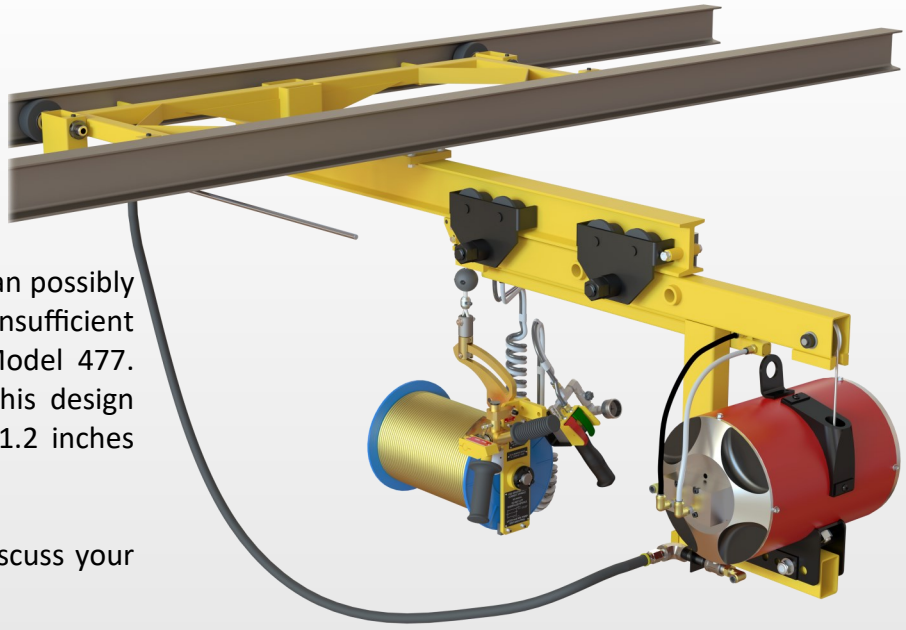
The Model 477 Creel Loader is used for loading B-80, B-60 or B-40 spools of steel cord onto the tension controller spindles of the creel. It is a pneumatically-actuated loader requiring no electrical power. The Model 477 is ergonomically designed to automatically balance the load, eliminating operator fatigue caused by physically handling these heavy spools of steel cord.

The loader consists of 4 major components:

- Air-balance Hoist (Model KN or Model KN-1)
- Carriage Frame & Lateral Traverse Beam
- Air Festoon
- Model 476 Spool Grasping Device with Operating Pendant

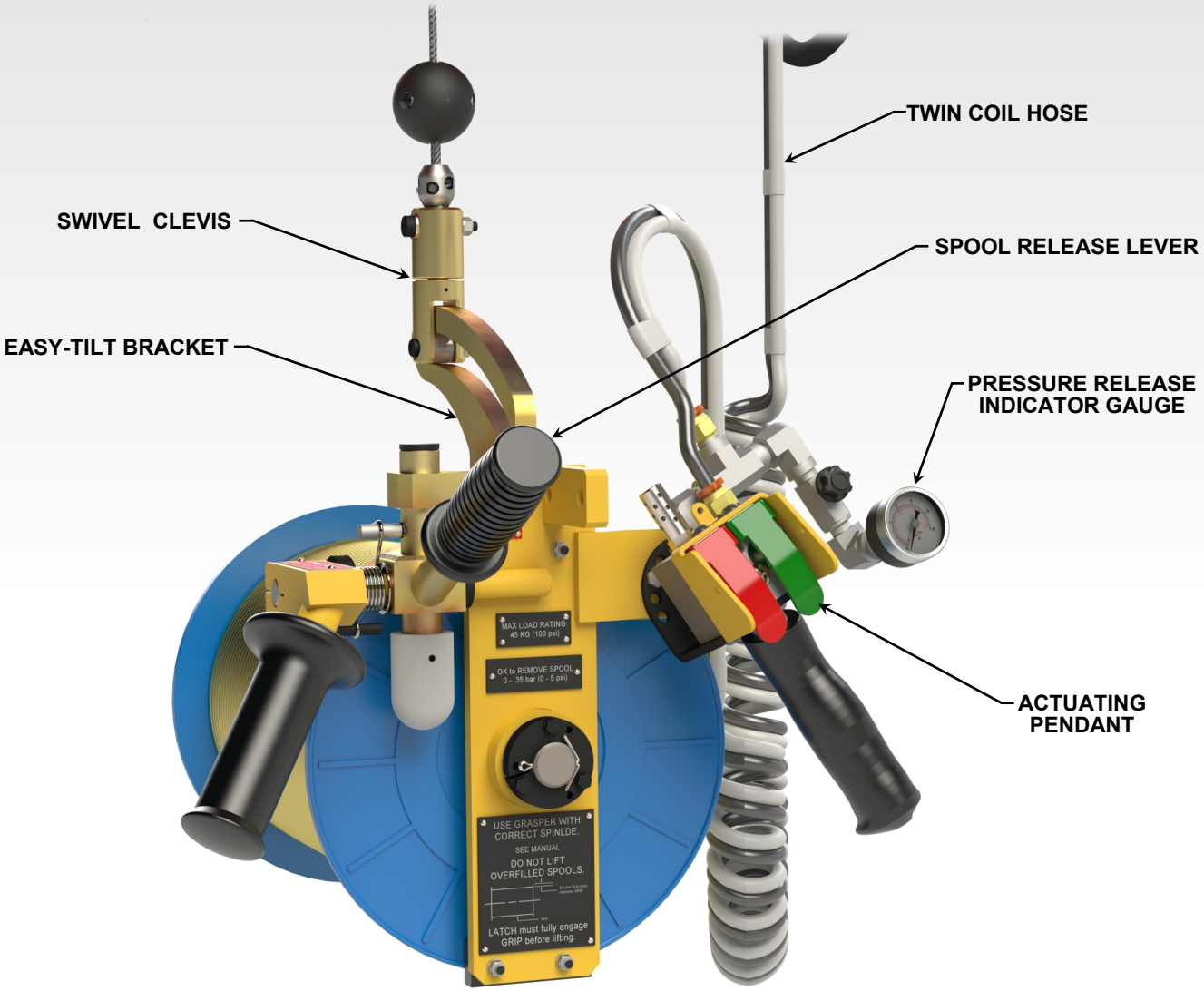
The air-balance hoist automatically balances the load through the entire vertical travel. The operator raises and lowers the grasping device using only two push buttons, up & down. There is an 8 inch (200 mm) window of balance so the operator can adjust location.

ARTICULATING ARM WITH AIR BALANCE HOIST AND MODEL 476 SPOOL GRASPER is a cost effective, manual creel loading solution for creel systems shorter the 20-FT in length. Both sides of a short creel system can be loaded via one centrally located articulating arm. It is retrofittable to RJS creel systems with 10x10 IN top pads on the frames. This design uses the same air balance hoist and spool grasper as the Model 477 Creel Loader. Swivel connections at the center allow full 360° motion without hose tangling. The Articulating Arm is available in two configurations for spool grasper clearance above or next to the creel frame.



The **MODEL 477LP** "low profile" loader can possibly be used in situations where there is insufficient ceiling clearance to use the standard Model 477. (Refer to dimension "C" on page 2.) This design reduces the clearance requirement by 11.2 inches (284 mm).

Contact an RJS sales representative to discuss your particular application.



MODEL 476 SPOOL GRASPER

Designed to fill the need for a low-cost, easy-to-use spool handling device, the Model 476 Spool Grasper is comprised of few components and requires minimal maintenance. There are no power-actuated parts to wear out, and it can be employed with air-balance or motor-driven loaders.

The spools are mechanically retained on the Grasper until released by the operator after loading on the spindle of the tension let-off.

When used with air-balance loaders, a release indicator gauge is provided to confirm that the lifting pressure has fallen sufficiently to allow release of the spool by the operator.

Specify the spool type to be used with the Grasper when ordering: B-80/33, B-80/17, B-60, or B-40. The Grasper is easily converted to accept any of these spool types. If multiple spool types are used, easily changeable components are available.

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