

## **KDR GRAVITY FLOW RACK TECHNICAL SPECS**

Upright frames are constructed from pallet rack type columns 2.3" x 2.3" x 14 gauge to provide a maximum load capacity of up to 5,500lbs per rack. Cross beams are designed from structural C channels with welded-on flanges each with a three point drop-in connection to each upright column. This beam and upright construction makes the rack extremely stable as well as sway and impact resistant.

Roller tracks, also manufactured by SSI Schaefer, consist of reinforced galvanized steel and feature high-density, injection molded thermoplastic rollers 1" wide x 1" in diameter. Rollers are spaced on 1.1" centers. Each roller is equipped with an independent steel axle 1/8" thick, providing a load capacity of 26lb. each. That's 250lb. capacity per linear foot for each track! That's more weight than can ever be needed (or supported by any flow levels) but they are designed for strength and resistance to impact loads and wear and tear. The track is also engineered with an anti-spread reinforcement to prevent the rollers from being dislodged in case of impact. This unique design makes the SSI Schaefer roller track, the most vulnerable component of any flow rack system, virtually indestructible. We guarantee the roller performance for five years.

The injection molded clip used to secure the rollers and guides engages a full 1" into and over the top of the rollers and guide rails. The clip is fixed to the levels by a special tongue and groove design incorporated into the bottom of the clip and adjacent beam of the levels. This design provides a very fixed connection and prevents the rollers and guides from twisting or becoming moved or dislodged in case of impact.

Our standard flow levels are constructed of heavy duty steel profiles and can support loads of up to 1,250lbs.

### ***Ergonomic Features***

The rack is simple and easy to put together or reposition. Upright frames ship fully assembled! Cross beams simply drop in to the uprights. The front and rear of each level has only two bolts each and level center support also simply drop in.

Roller tracks and guide rails simply snap and lock in

Levels are supported by clips making installation or repositioning easy.

The sides of the levels are slotted in 1" increments throughout the length so the levels can be adjusted fore-to-aft easily to create the optimum ergonomic picking curve.

Because the independent steel axles provide superior rollability, the angle or tilt of the levels can be as less as 3 degrees. The less angle that is required, the more levels can be stored in a bay. This saves space and further decreases travel distance.