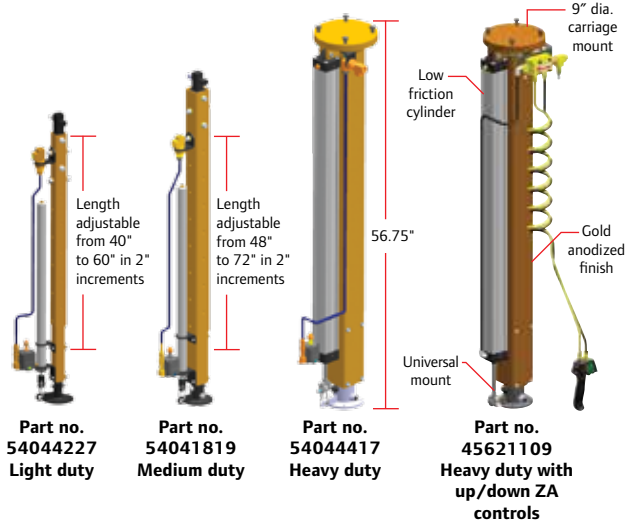


## The Ingersoll Rand Torque Tube

### ADVANTAGE

- **Guided lifting** — Cylinder guides up/down motion, preventing load from swinging
- **Effortless vertical travel** — Super linear bearings provide smooth, effortless motion
- **Versatility** — Four models available for both torque reaction and lifting applications
- **Torque reaction** — 4 Delrin® wheels for torque reaction and side loading in all four directions
- **Adaptable** — Universal mounting plate for bolt-on integration of tool holders and handling devices



Torque tube with integrated vacuum handling device

## Torque tube models

Part No.	Description	Torque Capacity ft-lbs (Nm)	Lift Capacity		Weight lb (kg)	Travel in (mm)	Control
			lbs @ 100 psi	kg @ 7 kg/cm <sup>2</sup>			
54044227	IRZ-TT-100	74 (100)	60	27	40 (18)	20 (508)	BA regulator
54041819	IRZ-TT-250	184 (250)	60	27	50 (23)	24 (610)	BA regulator
54044417 <sup>1</sup>	IRZ-TT-500	368 (500)	100	45	75 (34)	36 (914)	BA regulator
45621109 <sup>1,2</sup>	IRZ-ZA-500	368 (500)	150	68	80 (36)	36 (914)	ZA Up/Down

<sup>1</sup> Carriage mount option only.

<sup>2</sup> Accommodates offset loads to 24" (609 mm). Consult factory for special applications.

## Optional cylinder air supply

Part No.	Description
90050	Cylinder air supply package

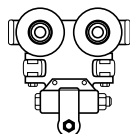
Includes regulator assembly and all required hose fittings to supply cylinder.

## Suspension options:

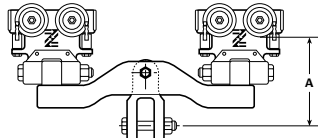
### Suspension kits – single and dual trolleys

Rail Profile	Part No.	"A" Dimension in (mm)	Weight lb (kg)
<b>SINGLE TROLLEY – USE FOR 80 NM OR LESS APPLICATIONS</b>			
ZRA2	16610	4.75 (120)	4.50 (2)
ZRAS2/3	16600	4.75 (120)	4.50 (2)
KBK-II/III	16615	4.75 (120)	4.50 (2)
ETA-8	16635	4.75 (120)	4.50 (2)
T-Rail	16620	3 (76.2)	15 (6.8)
<b>DUAL TROLLEY – UP TO 150 NM APPLICATIONS</b>			
ZRAT	16755	6.48 (165.0)	10.50 (4.76)
ZRA1	16705	6.13 (156.0)	10.50 (4.76)
ZRA2	16710	6.76 (172.0)	10.50 (4.76)
ZRAS2/3	16700	6.76 (172.0)	10.50 (4.76)
KBK-I	16725	6.13 (156.0)	10.50 (4.76)
KBK-II/III	16715	6.76 (172.0)	10.50 (4.76)
ETA-4	16744	6.13 (156.0)	10.50 (4.76)
ETA-8	16735	6.76 (172.0)	10.50 (4.76)

Note: For use on torque tube part no. 54044227 and 54041819.



Suspension kit, Single trolley  
Use for 80 Nm or less

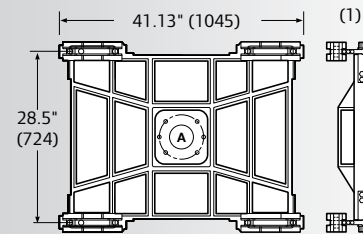


Suspension kit, Dual trolley  
Use for 150 Nm or less

## Carriages

Description	Part No.
Carriage — basic, no trolleys	40710
Carriage assembly — T-rail / I-beam	40709
Carriage assembly — ZRA2 (reaction trolley)	30028-1
Carriage assembly — ZRS2 / ZRS3	30028-2
Carriage assembly — ZRA1	30028-3
Carriage assembly — ETA-8 (reaction trolley)	30028-4
Carriage assembly — KBK2	30028-5

Note: For use on part no. 54044417 and 45621109  
Lightweight ALMAG casting. Basic carriage weighs 60.0 lb (27.3 kg)  
Each carriage ass'y drawing has info for both high and low profile assemblies.



A = 1/2" bolts (6), Holes on a 7.5" bolt circle as shown  
9/16 drill thru on a 7.5" bolt circle.

Standard tool holders available.  
Refer to assembly catalog: IRPS-1007-052