



Cat[®] Tilt-rotators

*TRS10, TRS14,
TRS18, TRS23*

Cat[®] Tilt-rotators help you get the job done faster with the quality you expect from Cat products. Integrated to your excavator, Tilt-rotators are productive, easy-to-use, and add value to your operation. Tilt-rotators are a versatile solution providing enhancements to your operation.

Not all attachments are available in all regions. Consult your Cat dealer for specific configurations available in your region.

Seamless Integration

- When used with wheeled excavators, Tilt-rotators connect to the machine's HP2 circuit leaving the HP1 circuit for an additional attachment ensuring smooth hydraulic flow to both
- Display function integrates into the machine's monitor for wheeled excavators, tracked excavators retrofit kits comes with an additional monitor
- Positioning system connects to Cat GRADE with 3D

Up to 13 Percent More Productivity

- Controls allow for simultaneous tilt, rotation, and machine movement
- Short height maintains consistent breakout force for digging
- Hydraulic quick connect changes attachments in seconds
- Do more work with less attachments and machines

Easy Operation

- Machine joysticks include Tilt-rotator controls, preventing delay between operator command and action
- Oil-filled gear box keeps gears constantly lubricated, extending the life of the rotor
- Lubrication System has one grease point, which can be attached to the machine's greasing
- Innovative Control System has four unique operator settings

Enhanced Versatility

- 40° left and right tilt, plus 360° rotation adds capability to fixed attachments
- Use grapple module without removing bottom attachment
- Mixed configurations enable use of multiple attachment interfaces

Stay Safe

- Grapple module is faster and safer than people manually moving heavy objects
- Operator stays in cab while switching attachments
- Double acting tilt cylinders have built-in load holding valves in the event of pressure loss



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Specifications							
Model	Excavator Class tons	Rotation Speed seconds per 1 full rotation	Tilt Angle Range ± degrees left/right	Recommended Maximum Oil Flow		Working Pressure	
				l/min	gpm	MPa	psi
TRS10	10-16	7	40	95	25.1	25	3,626
TRS14	14-19	7	40	104	27.5	25	3,626
TRS18	18-24	7	40	114	30.1	25	3,626
TRS23	23-30	7	40	125	33.0	25	3,626

Dimensions								
Model	Weight		Total Height		Width		Length	
	kg	lb	mm	in	mm	in	mm	in
TRS10	425-566	937-1,248	1030-1230	40.55-48.43	725-982	28.54-35.12	705-805	27.76-31.69
TRS14	540-669	1,190-1,475	1160-1345	45.67-52.95	810-1017	31.89-40.04	800-850	31.50-33.46
TRS18	666-681	1,468-1,501	1190-1350	46.85-53.15	870-1028	34.25-40.47	800-875	31.50-34.45
TRS23	800-1028	1,764-2,266	1288-1512	50.71-59.53	948-1223	37.32-48.15	920-993	36.22-39.09

Weights and Dimensions dependent on configuration. Configuration options vary by model. See Technical Specifications for more details.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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