

THE TOTAL SOLUTION

Caterpillar is a manufacturer that can provide a total solution. Apart from being a one-stop shop for a whole range of machines, work tools and couplers, it also provides financing, maintenance services, training and demos, as well as full documentation, complete technical and spare parts support, and an easy ordering process.



CAT TILTROTATOR CONFIGURATIONS

To learn more or receive a quotation on a new tiltrotator, please fill out the form below

Machine Class

Track							
Wheel							
	2.7 - 4 ton	5 - 6 ton	7 - 10 ton	11 - 16 ton	14 - 19 ton	18 - 24 ton	23 - 32 ton

Tiltrotator Specifications



		TRS4	TRS6	TRS8	TRS12	TRS17	TRS20	TRS26
(HC)S Quick Coupler (size)					(HC)S60	(HC)S60	(HC)S70	(HC)S70 / (HC)S80
Carrier weight	ton	2.7 - 4	5 - 6	7 - 10	11 - 16	14 - 19	18 - 24	23 - 32
Rotation Speed	seconds per 1 full rotation	7	7	7	7	7	7	8
Tilt Angle Range ±	degrees left/right	40	40	40	40	40	40	40
Recommended Max Oil Flow	l/min	25	70	75	91	111	121	134
Working Pressure	Bar	210	250	250	250	250	250	250
Weight (from - till)	kg	114 - 122	163 - 185	310 - 340	500 - 535	625 - 740	750 - 900	900 - 1150
Total Height	mm	700 - 784	818 - 907	949 - 1042	1105	1210 - 1230	1230 - 1260	1335 - 1370
Width	mm	442 - 465	484 - 492	704 - 705	715 - 755	745 - 985	860 - 1260	1335 - 1370
Length	mm	486 - 520	525 - 609	608 - 660	710 - 790	800 - 850	810 - 880	920 - 990

Weights and Dimensions dependent on configuration. Configuration options vary by model. See Technical Specifications for more details. Different coupling configurations are available. Check with your dealer for options.

I am interested in: Purchasing Rental

First name	Company
<input type="text"/>	<input type="text"/>
Last name	Address
<input type="text"/>	<input type="text"/>
Email address	City
<input type="text"/>	<input type="text"/>
Business phone	Country
<input type="text"/>	<input type="text"/>

Learn more
 Receive a quote

FULLY INTEGRATED. FULLY FLEXIBLE.

CAT® TILTROTATORS



ADD VALUE TO YOUR BUSINESSES. Through CVAs, we offer customers the best possible service and support.

www.cat.com

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ALL-ROUND PERFORMER

The Cat® Tiltrotator is an all-round performer. Literally. You can continuously rotate your attachment 360 degrees and tilt it to 40 degrees each side. That's exceptional versatility.

Get the job done faster with this fully integrated, CE compliant solution. It shows up automatically in your machine's monitor and can be controlled using your Cat joystick. Fully flexible, it even connects to an HCS Coupler (only for TRS12 and upper models) so you can pick up an attachment in seconds without ever leaving the safety of your cab.

With the fully integrated, fully flexible Cat® Tiltrotator you can get jobs done quicker and safer, while boosting productivity.

The double acting tilt cylinders fitted with Load Holding Valve (LHV) ensure the load remains securely in position even if the hydraulic system loses pressure due to something like a hose rupture.

The Innovative Lubrication System (ILS) is easy to use and quickly distributes the right amount of grease to the appropriate places.

The worm gearbox is filled with oil to maximize the lubrication and maximize the heat dissipation.

The Rotation Positioning System (RPS) communicates with grade control systems such as Topcon and others via the CANBUS providing both tilting and rotation angles.*

The High Flow Swivel is standard with the TRS12 and larger models providing up to 200L/min at 250 bar for high-flow work tools. Additionally, for Cat NG WHEX models with a second HP line the operator is able to have up to 250L/min at 350 bar.

SecureLock™ is an active safety solution that reduces the risk of swinging or dropped tools. It uses a sensor inside the locking cylinder to check if the tool is correctly connected and securely locked.

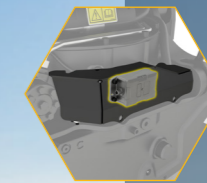
*Precise tilting position requires inertial measurement unit.

INTEGRATED SOLUTION

- to reduce installation time and improved durability
- to visualize the TRS/coupler position on the machine monitor
- to shorten the measure-up process

HYDRAULIC COMPENSATED CIRCUIT

- for improved operator experience with combined tilt & rotation function
- New High flow function to grant up to 200L/min underneath the TRS (Not available for TRS4 - TRS8)



The GS520 Tilt sensor is standard with the new TRS and enables to precisely give the tilt position to the grading system.

MORE FLEXIBILITY, MORE JOBS

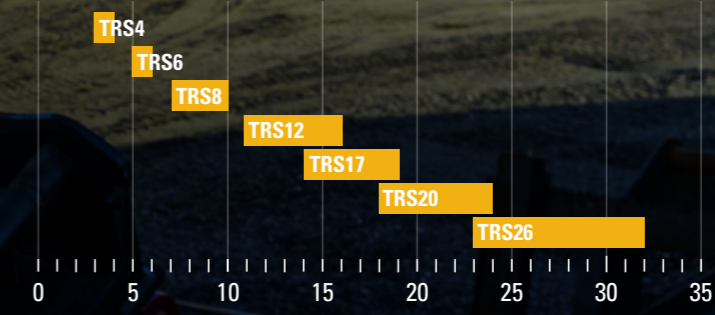
When you fit a Cat® Tiltrotator to your excavator it becomes an efficient tool carrier, giving you access to a wide range of compatible work tools. That means added flexibility on the job site, and the chance to take on more jobs with the same machine – boosting productivity.

MORE TOOLS, MORE CHOICE

To boost machine productivity even more, simply disconnect the Cat Tiltrotator and fit a HCS quick coupler. That way you can attach whatever additional hydraulic work tools you may need, such as hammers or shears. Tiltrotator and HCS: a powerful combination!



CARRIER WEIGHT FROM 3 TON TO 32 TON



ONE-TOUCH HOME

Need to instantly return to a predetermined position? Simply push the Home button. It's that easy.



PULSE AND SHAKE

Spread the material from your bucket evenly every time, thanks to a pulsating and shaking function. And at a speed you can easily adjust.



AUTO GRADE CONTROL

Save time with this function that automatically adapts the tool's tilt angle according to the model in the excavation system.



SWITCH TOOLS QUICKLY

With the HCS Coupler, pick up an attachment in seconds. Boost productivity from the safety and comfort of your cab.