RT Series high-capacity rooftop mounting solutions

As capacity demands and the number of mobile devices increase, network operators are looking to expand and densify their RF footprint. In urban and suburban areas, adding traditional macro sites is often not an option. Current rooftop mounts, with antennas, remote radio units (RRUs), filters and combiners needing to be placed, have been challenged to handle the necessary weight. As a result, operators are challenged to find more innovative ways to accommodate more RF equipment in smaller urban spaces.

As a trusted partner with many of the world's largest, most advanced wireless networks, CommScope has supported efficient rooftop deployments for over four decades. We understand the challenges of increased tower loading and compressed installation windows. The latest addition to our legacy is the RT Series of high-capacity rooftop mounting solutions.

Flexible, high-capacity rooftop mounts

CommScope's RT Series offers a complete line of high-capacity, pipe-sector frames designed for today's top-heavy rooftop deployments. The flexible, sturdy design enables you to support increased loads while maintaining a lower effective projected area (EPA) than traditional angle-based rooftop frames.

All RT Series rooftop mounts feature heavy-duty, 2-7/8 in (OD) face pipes and antenna pipes. All mounts are designed and engineered to meet both AT&T and TIA-5053 standards for frames with up to five antenna pipes (face-width dependent). Each RT high-capacity frame features built-in mechanical adjustments for varying roof pitches. Select from single and dual frame designs to maximize your load bearing capabilities.

Features
- Ballasted and non-ballasted models
- Rated for up to five antennas
- 7.5 ft, 10.5 ft, 12.5 ft, and 14.5 ft face options
- Dual and single frame designs
- Rated to AT&T and TIA-5053 standards
- Mechanically adjusts to varying roof pitches
- Heavy-duty 2-7/8 in (OD) face and antenna pipes

Non-penetrating roof frames–RT-NF Series

Penetrating roof frames–RT-SF Series

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RT Series ordering information

The RT Series mounts are available in both penetrating and non-penetrating frame designs. Multiple face-size and pipe-count options are offered as a single part number for simplified ordering.

Penetrating rooftop pipe frames–RT-SF Series

Description	Pipes included	Part number
7.5 ft face	(2) 2-7/8 in OD x 96 in	RT-SF7-2-96
	(2) 2-7/8 in OD x 126 in	RT-SF7-2-126
	(3) 2-7/8 in OD x 126 in	RT-SF7-3-96
	(3) 2-7/8 in OD x 96 in	RT-SF7-3-126
10.5 ft face	(3) 2-7/8 in OD x 96 in	RT-SF10-3-96
	(3) 2-7/8 in OD x 126 in	RT-SF10-3-126
	(4) 2-7/8 in OD x 96 in	RT-SF10-4-96
	(4) 2-7/8 in OD x 126 in	RT-SF10-4-126
12.5 ft face	(3) 2-7/8 in OD x 96 in	RT-SF12-3-96
	(3) 2-7/8 in OD x 126 in	RT-SF12-3-126
	(4) 2-7/8 in OD x 96 in	RT-SF12-4-96
	(4) 2-7/8 in OD x 126 in	RT-SF12-4-126

Penetrating Roof Frames–RT-SF Series

Dual penetrating rooftop pipe frames–RT-DSF Series

Description	Pipes included	Part number
12.5 ft face— dual frame	(3) 2-7/8 in OD x 96 in	RT-DSF12-3-96
	(3) 2-7/8 in OD x 126 in	RT-DSF12-3-126
	(4) 2-7/8 in OD x 96 in	RT-DSF12-4-96
	(4) 2-7/8 in OD x 126 in	RT-DSF12-4-126
14.5 ft face— dual frame	(3) 2-7/8 in OD x 96 in	RT-DSF14-3-96
	(3) 2-7/8 in OD x 126 in	RT-DSF14-3-126
	(4) 2-7/8 in OD x 96 in	RT-DSF14-4-96
	(4) 2-7/8 in OD x 126 in	RT-DSF14-4-126

Dual penetrating roof frames–RT-DSF Series

Non-penetrating rooftop pipe frames–RT-NF Series

Description	Pipes included	Part number
7.5 ft face with ballast tray	(2) 2-7/8 in OD x 96 in	RT-NF7-2-96
	(2) 2-7/8 in OD x 126 in	RT-NF7-2-126
	(3) 2-7/8 in OD x 96 in	RT-NF7-3-96
	(3) 2-7/8 in OD x 126 in	RT-NF7-3-126
10.5 ft face with ballast tray	(3) 2-7/8 in OD x 96 in	RT-NF10-3-96
	(3) 2-7/8 in OD x 126 in	RT-NF10-3-126
	(4) 2-7/8 in OD x 96 in	RT-NF10-4-96
	(4) 2-7/8 in OD x 126 in	RT-NF10-4-126
12.5 ft face with ballast tray	(3) 2-7/8 in OD x 96 in	RT-NF12-3-96
	(3) 2-7/8 in OD x 126 in	RT-NF12-3-126
	(4) 2-7/8 in OD x 96 in	RT-NF12-4-96
	(4) 2-7/8 in OD x 126 in	RT-NF12-4-126

Non-penetrating rooftop pipe frames–
RT-NF Series

Dual non-penetrating rooftop pipe frames–RT-DF Series

Description	Pipes included	Part number
12.5 ft face— dual frame and ballast tray	(3) 2-7/8 in OD x 96 in	RT-DF12-3-96
	(3) 2-7/8 in OD x 126 in	RT-DF12-3-126
	(4) 2-7/8 in OD x 96 in	RT-DF12-4-96
	(4) 2-7/8 in OD x 126 in	RT-DF12-4-126
14.5 ft face— dual frame and ballast tray	(3) 2-7/8 in OD x 96 in	RT-DF14-3-96
	(3) 2-7/8 in OD x 126 in	RT-DF14-3-126
	(4) 2-7/8 in OD x 96 in	RT-DF14-4-96
	(4) 2-7/8 in OD x 126 in	RT-DF14-4-126

Dual non-penetrating rooftop pipe frames–
RT-DF Series

Rising to help you meet your challenges

For over 40 years, CommScope has been a constant force of change in the wireless industry. We have played a role in nearly every major breakthrough involving network infrastructure. We don't just understand how the industry is evolving, we anticipate it. As a result, we keep you ready for whatever is next.

For more information on our portfolio of RT Series high-capacity rooftop mounting solutions, contact your CommScope representative. Or visit us online at commscope.com.

Together, we're building a brighter, more connected future.

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com.

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