SABRE TOWERS AND POLES

Products and Services

Sabre Industries™
Towers and Poles

Nabatech
Cambridge, Ontario
Sabre Industries, Inc.
Sioux City, IA
Sabre Industries, Inc.
Alvarado, TX

Sabre Towers and Poles, the tower division of Sabre Industries, Inc., designs and manufactures guyed towers, self-supporting towers, monopoles and concealment structures. As one of the largest tower providers in the world, we manufacture thousands of tower structures every year. We have experience working in all climates, and have supplied towers to multiple customers in Canada for use in a variety of applications including wireless, renewable energy, and broadcast.

Sabre operates tower and monopole manufacturing facilities in Sioux City, Iowa, and Alvarado, Texas. With nearly 800,000 square feet of manufacturing and related facilities spread out over 336 acres, Sabre has the capacity to meet your needs. Our Sioux City location is home to our tower manufacturing facilities along with our division headquarters. The Texas facility is dedicated to the manufacture of tubular steel poles. These two plants combined have a manufacturing capacity of 169 million pounds of steel structures annually. Sabre's central locations allow us to offer cost-effective shipping both domestically and internationally.

Sabre Towers and Poles' professional staff has the ability to design and manufacture any type of tower no matter how stringent the requirements. Our in-house experienced, structural engineers are capable of certifying a wide range of structures. We maintain in-country partnerships with Canadian tower engineering consulting companies that allow us to provide sealed drawings in all Canadian provinces and territories. Each of our tower and monopole products come with complete instruction manuals and erection drawings to ensure easy, accurate assembly and installation.

In addition to designing and manufacturing towers and monopoles, Sabre Towers and Poles works directly with Nabatech Communications, Ltd. to offer our Canadian customers complete turnkey construction, foundation and tower installation, and antenna and line installation.

Sabre Towers and Poles is committed to providing you with quality products at competitive prices. All of our processes and manufacturing procedures are in accordance with AWS, AISC, CWB and many other nationally recognized standards. Our facilities and welders have been Canadian Welding Bureau certified since 2005.

To find out how our experience can work for you, contact our Canadian sales force at Nabatech Communications, Ltd. by phone at 519-621-7491, via email at sales@nabatech.com or by fax at 519-621-3597. Sabre Towers and Poles' sales force in Sioux City, Iowa, can be contacted toll free at 800-369-6690, via email at towerinfo@sabreindustries.com or by fax at 712-279-0814.

SELF-SUPPORTING TOWERS

Sabre's custom-engineered, self-supporting towers are capable of carrying moderate to heavy accessory loads. Available with either tubular or solid round legs, they are appropriate for nearly all communication applications. These towers feature construction step bolts on each leg to the 15' spread level, and come individually packed with each set of section bracing clearly identified. Towers with internal or external climbing ladders are also available. All steel parts are hot-dip galvanized to ensure uncompromising integrity in the most severe climates, and a factory applied finish coat is available upon request.

S3R SELF-SUPPORTING TOWERS

(Three-legged, solid round leg, angle braced, knock down section towers)

Sabre's S3R towers provide maximum strength and reliability. For customers in coastal areas, the solid round legs and angle bracing eliminate the concern for possible internal rust and corrosion. They are engineered in heights that meet your specifications.

S3TL SELF-SUPPORTING TOWERS

(Three-legged, tubular leg, angle braced, knock down section towers)

These widely used self-supporting towers feature tubular legs and angle bracing, making them less expensive because of their improved strength-per-pound ratio. Splice plates are specifically designed to ensure that the interior of the leg is capable of being properly galvanized. Custom-engineered, our self-supporting towers are available in heights that meet your specifications.

GUYED TOWERS

Sabre's custom-engineered guyed towers are designed to carry light to heavy accessory loads. Featuring all welded or knock down sections, these towers provide maximum strength while eliminating concern for possible internal rust and corrosion when used in coastal areas. Our knock down towers are exceptionally easy to modify for additional antenna loads, and are ideal when shipping space is a concern or extra heavy loads are anticipated.

2400 SRWD GUYED TOWERS

(24" face, solid round legs, welded 20' section towers)

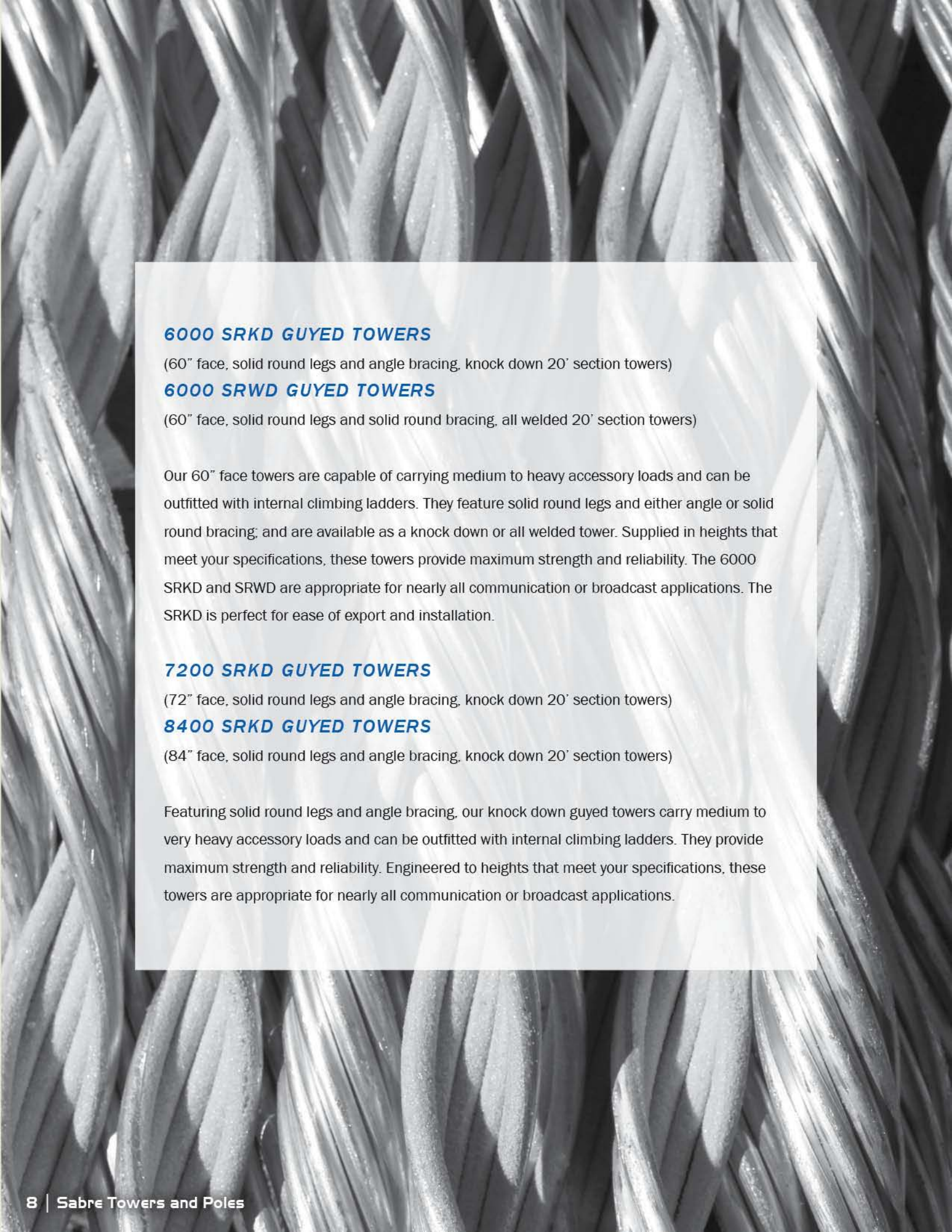
3600 SRWD GUYED TOWERS

(36" face, solid round legs, welded 20' section towers)

4400 SRWD GUYED TOWERS

(44" face, solid round legs, welded 20' section towers)

These versatile welded, guyed towers have the ability to carry light to heavy accessory loads. Featuring solid round legs and solid round bracing, they provide maximum strength. Sabre includes a climbing ladder and up to three cable ladders as an integral part of the design to reduce additional installation time. Manufactured in 20' sections, the 2400 SRWD is also available in 5' and 10' sections for international shipping and rooftop installations. Our solid round welded guyed towers are designed in heights to meet your specifications, and appropriate for nearly all communication applications.



6000 SRKD GUYED TOWERS

(60" face, solid round legs and angle bracing, knock down 20' section towers)

6000 SRWD GUYED TOWERS

(60" face, solid round legs and solid round bracing, all welded 20' section towers)

Our 60" face towers are capable of carrying medium to heavy accessory loads and can be outfitted with internal climbing ladders. They feature solid round legs and either angle or solid round bracing; and are available as a knock down or all welded tower. Supplied in heights that meet your specifications, these towers provide maximum strength and reliability. The 6000 SRKD and SRWD are appropriate for nearly all communication or broadcast applications. The SRKD is perfect for ease of export and installation.

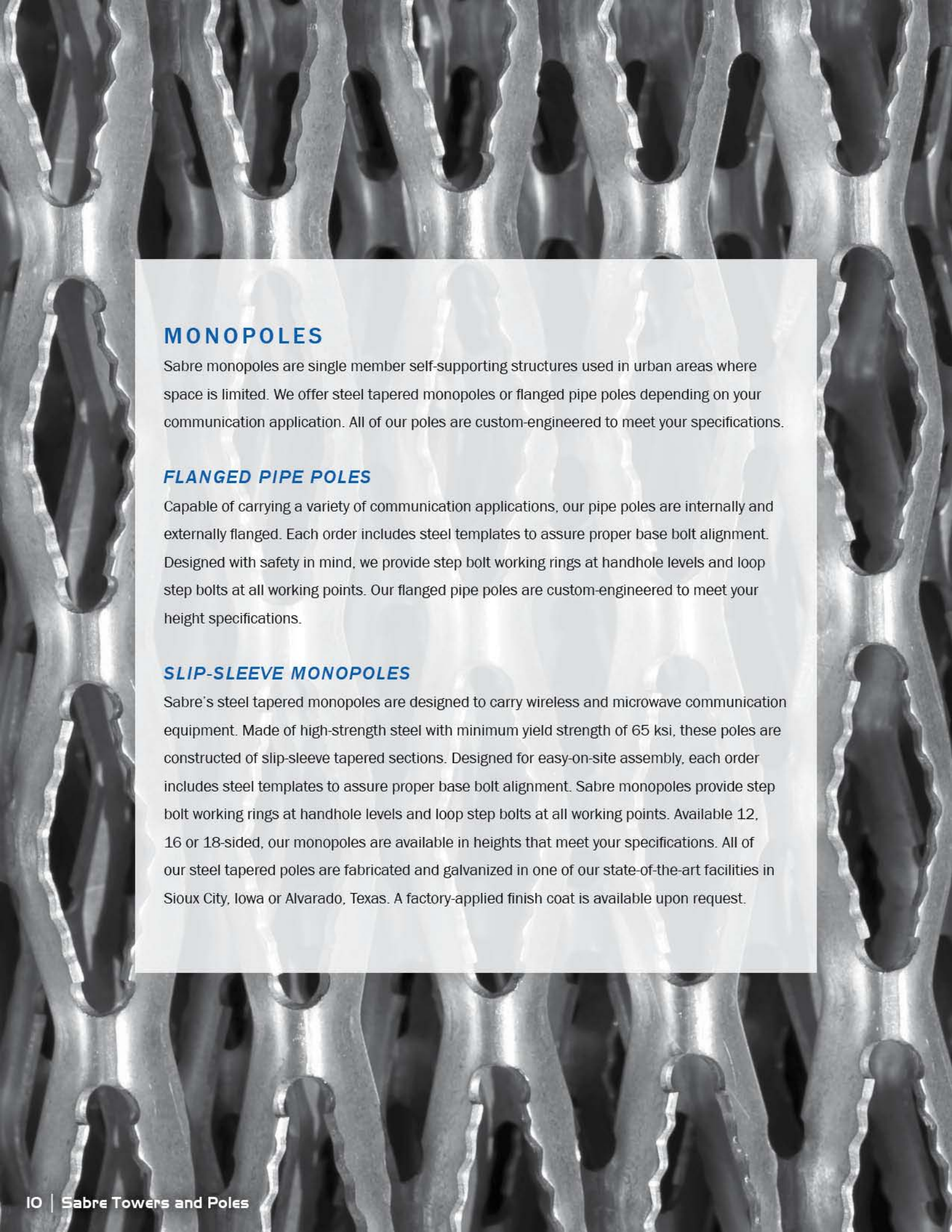
7200 SRKD GUYED TOWERS

(72" face, solid round legs and angle bracing, knock down 20' section towers)

8400 SRKD GUYED TOWERS

(84" face, solid round legs and angle bracing, knock down 20' section towers)

Featuring solid round legs and angle bracing, our knock down guyed towers carry medium to very heavy accessory loads and can be outfitted with internal climbing ladders. They provide maximum strength and reliability. Engineered to heights that meet your specifications, these towers are appropriate for nearly all communication or broadcast applications.



MONOPOLES

Sabre monopoles are single member self-supporting structures used in urban areas where space is limited. We offer steel tapered monopoles or flanged pipe poles depending on your communication application. All of our poles are custom-engineered to meet your specifications.

FLANGED PIPE POLES

Capable of carrying a variety of communication applications, our pipe poles are internally and externally flanged. Each order includes steel templates to assure proper base bolt alignment. Designed with safety in mind, we provide step bolt working rings at handhole levels and loop step bolts at all working points. Our flanged pipe poles are custom-engineered to meet your height specifications.

SLIP-SLEEVE MONOPOLES

Sabre's steel tapered monopoles are designed to carry wireless and microwave communication equipment. Made of high-strength steel with minimum yield strength of 65 ksi, these poles are constructed of slip-sleeve tapered sections. Designed for easy-on-site assembly, each order includes steel templates to assure proper base bolt alignment. Sabre monopoles provide step bolt working rings at handhole levels and loop step bolts at all working points. Available 12, 16 or 18-sided, our monopoles are available in heights that meet your specifications. All of our steel tapered poles are fabricated and galvanized in one of our state-of-the-art facilities in Sioux City, Iowa or Alvarado, Texas. A factory-applied finish coat is available upon request.

CONCEALMENT PRODUCTS

Many communities are imposing strict zoning regulations on new towers and demanding some type of antenna concealment, especially in residential areas. Sabre Towers and Poles has a product that assists you in the zoning approval process. Our slip-sleeve monopoles can be disguised as flagpoles, decorative light poles, or a variety of replica trees. In addition, we offer slimline poles that can be painted in several different colors. For projects that require something specific, our experienced engineering department will work with you to custom engineer a concealment product that blends with your unique situation.

TREE POLES

Sabre monopoles can be concealed in a variety of replica tree poles no matter where your cell site is located. Whether you need a towering mono-pine, an exotic mono-palm, or a leafy mono-elm, we have a tree pole that will blend with every environment. Our full line includes pine, palm, elm, oak and cypress trees. Made of extremely durable materials, our tree poles are designed to withstand even the most severe conditions. Independent laboratories have tested these materials to assure you the best in wind resistance and RF clarity.

FLAGPOLES

Flagpoles offer another concealment option when zoning is difficult. Often used in urban settings where replica trees do not blend into the environment, flagpoles provide a visually acceptable option to the traditional communications tower. Available in a variety of heights, Sabre's flagpoles are designed to meet or exceed any municipality wind load requirements.

LIGHT POLES

We also offer decorative light poles for concealment purposes. Available in a variety of light fixture applications, these poles conceal antennas inside a RF-friendly radome. Built to the height your specifications require, these light poles offer another option for blending an antenna into the environment.

SLIMLINE POLES

Used in numerous applications including light poles, stadium lights and flagpoles, our slimline poles are perfect for blending into the landscape. They feature internal bolted connections and have the antennas hidden inside the structure. Available in heights that meet your specifications, they can be painted in a variety of colors. Like all of Sabre Towers and Poles' concealment products, our slimline poles are designed to meet or exceed any municipality wind load requirements.

UPGRADING EXISTING CONCEALMENT SITES

Along with providing a variety of new concealment options, Sabre Towers and Poles offers products to rehabilitate existing sites that may have become worn over time. If you have a tree pole that needs some upgrading, we offer replacement branches, palm fronds and new bark. Sabre Towers and Poles' construction group offers complete turnkey services for both new construction and upgrading of current sites.

PRE-ENGINEERED STRUCTURES

Designed for applications where custom-engineered towers are not necessary, our pre-engineered towers are perfect for keeping your project on time and within budget. We offer a pre-engineered lightweight line of both guyed and self-supporting towers. Built for a variety of uses, they are strong enough to handle severe weather conditions, yet light enough for easy installation. Professional engineer-stamped drawings are available for both our pre-engineered towers and their foundations.

LIGHTWEIGHT SELF-SUPPORTING TOWERS

Sabre's pre-engineered, lightweight self-supporting towers are designed to carry lighter loads than our custom-engineered structures. Appropriate for a number of communication applications, these towers vary from ultra-light capabilities to medium duty. All steel parts are hot-dip galvanized to ensure uncompromising integrity in the most severe climates.

S3A SERIES LDA SELF-SUPPORTING TOWERS

These light duty pre-engineered, three-legged self-supporting towers feature a knock down design with angle legs and angle bracing. Designed to meet the needs of Broadband, WISP, and SCADA, they are light enough to be cost effective yet strong enough to maintain your signal path. They are engineered in seven different categories of strength and range in height from 20' to 150'. Our LDA towers are available with two different foundation designs (embedded section and anchor bolts) and three types of antenna mounts (leg, face, and top mast). Each structure includes tower steel and hardware (legs, angles, splice plates and bolts). Foundation designs need to be ordered separately.

S3TL SERIES UL SELF-SUPPORTING TOWERS

These pre-engineered self-supporting towers are lightweight, simple-to-erect towers capable of handling ultra-light accessory loads. They are a three-legged, self-supporting tower that combines all-weld, solid-round legs and bracing sections with knock down, tubular-legged and angle-braced sections. Manufactured in 10' and 20' sections, they are available in heights up to 160'. Each structure includes complete tower steel and hardware, anchor bolts and templates, and step bolts on one leg for tapered sections only. Foundation designs need to be ordered separately.

S3TL SERIES VL SELF-SUPPORTING TOWERS

These widely-used pre-engineered, three-legged self-supporting towers feature tubular legs and angle bracing. The tubular leg design tends to be less expensive than a solid round leg because of its improved strength per pound ratio. Capable of supporting a minimum of 8.3 square feet of Effective Projected Area (EPA), they are appropriate for a number of communication applications. These towers are manufactured in 5', 10', 15' and 20' sections, and are available in heights up to 240'. Each structure comes with complete tower steel and hardware, anchor bolts and templates, leg caps, step bolts on all three legs for sections whose top face width is 15' or greater, and on one leg for sections whose top face width is less than 15'. Foundation designs need to be ordered separately.

LIGHTWEIGHT GUYED TOWERS

Sabre's pre-engineered, lightweight guyed towers are perfect for met assessment or communication applications. Available in either a 12" or 18" face width, they are manufactured in 10' sections and can be used as guyed, freestanding, or wall-bracketed towers. Rooftop applications are also available. All steel parts are hot-dip galvanized to ensure uncompromising integrity in the most severe climates.

1200 TLWD GUYED/FREESTANDING/BRACKETED TOWERS

(12" face, tubular legs, flanged connections and serpentine bracing, 10' section towers)

Sabre's 1200 TLWD towers are 12" face, tubular leg, guyed towers that provide maximum strength and reliability. Appropriate for a variety of communication applications, they are designed for light accessory loads. They feature extra heavy tubular legs, flanged connections and serpentine bracing; and are available in heights up to 200'. Each structure comes with complete tower steel and hardware, complete guying system, and anchor shafts. Foundation designs need to be ordered separately.

1800 TLWD GUYED/FREESTANDING/BRACKETED TOWERS

(18" face, tubular legs, flanged connections and serpentine bracing, 10' section towers)

Sabre's 1800 TLWD towers are 18" face, tubular leg, guyed towers that are designed to carry light to medium accessory loads. Appropriate for a wide variety of communication applications, they are available in heights up to 280'. They feature extra heavy tubular legs, flanged connections and serpentine bracing. Each structure includes complete tower steel and hardware, complete guying system, and anchor shafts. Foundation designs need to be ordered separately.

1800 SRWD FREESTANDING/BRACKETED TOWERS

(18" face, solid round legs, flanged connections and serpentine bracing, 10' section towers)

Built with solid round legs, Sabre's 1800 SRWD towers provide maximum strength and reliability. They have an 18" face width, flanged connections and serpentine bracing. Capable of carrying light to medium accessory loads, they are appropriate for a variety of communication applications. They are manufactured in 10' sections, and are available in heights up to 85' freestanding and 125' bracketed. Each structure includes complete tower steel and hardware. Foundation designs need to be ordered separately.

GROVE

TURNKEY CONSTRUCTION SERVICES

Working in conjunction with Nabatech, Sabre Towers and Poles provides complete turnkey construction services. Our construction department has successfully completed many complex tower projects and offers a variety of services including site construction, foundation and tower installation, and antenna and line installation.

SITE CONSTRUCTION

Sabre has a reputation for on-time performance and worry-free site construction. We provide installation on raw land sites including site clearing, grading and civil work, grounding installation and testing, telephone and electrical services, and fencing. In addition, we supply and install several different types and sizes of shelters.

FOUNDATION INSTALLATION

Our construction department has experience installing foundations for all types of towers and shelters including buried mat, caisson, pad and pier, deadman and rock anchor designs. We have the ability to provide you with the necessary geotechnical soil report complete with boring log and recommendations to make sure you have the foundation design that meets your specific requirements.

TOWER INSTALLATION

Our tower installation experts have erected towers in all types of conditions. Experienced in erecting towers worldwide, we can supply crews that use cranes or gin poles depending on the accessibility of your site.

ANTENNA AND LINE INSTALLATION AND TESTING

Sabre's trained professionals install cellular, UHF, VHF, and microwave antennas along with coax, waveguide, and hard line. We provide all testing and path alignment. Our contractors have extensive experience in the construction of telecommunication systems. We also supply all of the required materials and equipment for a complete installation.

Sabre Industries™
Towers and Poles

2101 Murray Street
PO Box 658
Sioux City, IA 51102-0658

P: 800-369-6690
F: 712-279-0814
E: towerinfo@sabreindustries.com
www.SabreTowersandPoles.com

NABATECH

127-B Sheldon Drive
Cambridge, Ontario N1R 3B1

P: 519-621-7491
F: 519-621-3597
E: sales@nabatech.com
www.nabatech.com

© 2013 Sabre Industries, Inc. - STP 10096