

# PORTABLE ANTENNAS SPOTS!

## SPOTS! ANTENNA FITMENT GUIDE BY CONNECTOR TYPE

Determine connector type on the following pages and select the proper antenna based on frequency and type below. Field tunable antennas come with cutting chart and cap to allow for tuning to exact frequency.

### PERFORMANCE RATINGS

Performance ratings aid in antenna selection. Generally, the longer an antenna at a given wavelength, the better performance experienced. Whip antennas tend to provide broad banded performance while helical are more narrow banded. "Short" antennas deliver the benefit of small size, but performance will suffer.

\*\*\*\*\* Highest Performance  
\*\* Lowest Performance



### 1/4-32X3/16 - MALE STUD CONNECTOR (MX TYPE)

CODE 10

| LARSEN PN  | CONNECTOR   | FREQUENCY RANGE         | ANTENNA TYPE                    | PERF. RATING | APPROX. LENGTH |
|------------|-------------|-------------------------|---------------------------------|--------------|----------------|
| SPHE10FREQ | 1/4-32x3/16 | Specify Freq. 30-80 MHz | Helical - 1/4 Wave Custom Tuned | ****         | 11"            |
| SPHL10136  | 1/4-32x3/16 | 130-142                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10136  | 1/4-32x3/16 | 132-140                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10140  | 1/4-32x3/16 | 134-146                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10140  | 1/4-32x3/16 | 136-144                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10144  | 1/4-32x3/16 | 138-150                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10144  | 1/4-32x3/16 | 140-148                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10152  | 1/4-32x3/16 | 146-158                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10152  | 1/4-32x3/16 | 148-156                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10156  | 1/4-32x3/16 | 150-162                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10156  | 1/4-32x3/16 | 152-160                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10160  | 1/4-32x3/16 | 154-166                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10160  | 1/4-32x3/16 | 156-164                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10167  | 1/4-32x3/16 | 160-174                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10167  | 1/4-32x3/16 | 162-172                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPHL10221  | 1/4-32x3/16 | 212-230                 | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPHS10221  | 1/4-32x3/16 | 214-228                 | Helical Short - 1/4 Wave        | **           | 3"             |
| SPWH10420  | 1/4-32x3/16 | 395-445                 | Whip - Standard - 1/4 Wave      | *****        | 6"             |
| SPHS10420  | 1/4-32x3/16 | 403-437                 | Helical Short - 1/4 Wave        | **           | 2.75"          |
| SPWH10450  | 1/4-32x3/16 | 425-475                 | Whip - Standard - 1/4 Wave      | *****        | 6"             |
| SPHS10450  | 1/4-32x3/16 | 432-468                 | Helical Short - 1/4 Wave        | **           | 2.75"          |
| SPWH10470  | 1/4-32x3/16 | 450-490                 | Whip - Standard - 1/4 Wave      | *****        | 6"             |
| SPHS10470  | 1/4-32x3/16 | 452-488                 | Helical Short - 1/4 Wave        | **           | 2.75"          |
| SPWH10490  | 1/4-32x3/16 | 470-512                 | Whip - Standard - 1/4 Wave      | *****        | 6"             |
| SPHS10490  | 1/4-32x3/16 | 475-512                 | Helical Short - 1/4 Wave        | **           | 2.75"          |
| SPHL10FT   | 1/4-32x3/16 | Field Tunable 136-221   | Helical - Standard - 1/4 Wave   | ****         | 7"             |
| SPWH10FT   | 1/4-32x3/16 | Field Tunable 400 - 512 | Whip - Standard - 1/4 Wave      | ****         | 7"             |