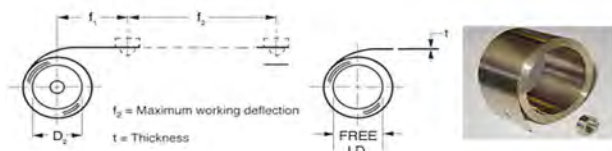


Stock Constant Force Spring Selection Chart

Note: Material: 301 stainless steel, dimensions shown in inches.

The constant force springs listed below are available in small quantities from our stocking distributor, **Stock Drive Products (SDP)**, or in larger quantities direct from our factory. For engineers and designers involved prototype development, who may require quick delivery of small quantities, click on part numbers below to be directed to a page within the *Stock Drive Products* website.

| Part Number | Load | Max. Work | Band | Fatigue Life | Width | Free I.D. | Thickness |
|-----------------------------------|---------------|------------|--------|-----------------|-------|-----------|-----------|
| <i>Dimensions shown in inches</i> | <i>(lbs.)</i> | Deflection | Length | <i>(cycles)</i> | | | |
| A 3X50-SL04D16 | 0.23 | 12" | 16" | 20,000 | 0.250 | 0.516 | 0.004 |
| A 3X50-SK04D15 | 0.32 | 12" | 15" | 13,000 | 0.250 | 0.438 | 0.004 |
| A 3X50-SL05E17 | 0.36 | 12" | 17" | 20,000 | 0.313 | 0.656 | 0.005 |
| A 3X50-SH03C10 | 0.37 | 8" | 10" | 2,500 | 0.188 | 0.219 | 0.003 |
| A 3X50-S K04E15 | 0.40 | 12" | 15" | 13,000 | 0.313 | 0.438 | 0.004 |
| A 3X50-SL05F30 | 0.43 | 25" | 30" | 20,000 | 0.375 | 1.000 | 0.005 |
| A 3X50-SH04C14 | 0.49 | 12" | 14" | 2,500 | 0.188 | 0.297 | 0.004 |
| A 3X50-SK05E16 | 0.49 | 12" | 16" | 13,000 | 0.313 | 0.563 | 0.005 |
| A 3X50-SL06F24 | 0.52 | 18" | 24" | 20,000 | 0.375 | 0.781 | 0.006 |
| A 3X50-SH04D14 | 0.66 | 12" | 14" | 2,500 | 0.250 | 0.297 | 0.004 |
| A 3X50-SL06G24 | 0.70 | 18" | 24" | 20,000 | 0.500 | 0.781 | 0.006 |
| A 3X50-SK06F23 | 0.71 | 18" | 23" | 13,000 | 0.375 | 0.672 | 0.006 |
| A 3X50-SH04E14 | 0.83 | 12" | 14" | 2,500 | 0.313 | 0.297 | 0.004 |
| A 3X50-SL08G31 | 0.93 | 24" | 31" | 20,000 | 0.500 | 1.047 | 0.008 |
| A 3X50-SK06G23 | 0.95 | 18" | 23" | 13,000 | 0.500 | 0.672 | 0.006 |
| A 3X50-SH05E15 | 1.03 | 12" | 15" | 2,500 | 0.313 | 0.359 | 0.005 |
| A 3X50-SK08G30 | 1.26 | 24" | 30" | 13,000 | 0.500 | 0.875 | 0.008 |
| A 3X50-SL10J33 | 1.46 | 24" | 33" | 20,000 | 0.625 | 1.328 | 0.010 |
| A 3X50-SH06F21 | 1.48 | 18" | 21" | 2,500 | 0.375 | 0.438 | 0.006 |
| A 3X50-SK08J30 | 1.58 | 24" | 30" | 13,000 | 0.625 | 0.875 | 0.008 |
| A 3X50-SH06G21 | 1.97 | 18" | 21" | 2,500 | 0.500 | 0.438 | 0.006 |
| A 3X50-SK10J32 | 1.98 | 24" | 32" | 13,000 | 0.625 | 1.109 | 0.010 |
| A 3X50-SL12K42 | 2.09 | 30" | 42" | 20,000 | 0.750 | 1.578 | 0.012 |
| A 3X50-SK10K32 | 2.37 | 24" | 32" | 13,000 | 0.750 | 1.109 | 0.010 |
| A 3X50-SH08G28 | 2.63 | 24" | 28" | 2,500 | 0.500 | 0.578 | 0.008 |
| A 3X50-SL12P42 | 2.80 | 30" | 42" | 20,000 | 1.000 | 1.578 | 0.012 |
| A 3X50-SK12K40 | 2.84 | 30" | 40" | 13,000 | 0.750 | 1.344 | 0.012 |
| A 3X50-SH08J28 | 3.29 | 24" | 28" | 2,500 | 0.625 | 0.578 | 0.008 |
| A 3X50-SL15P46 | 3.50 | 30" | 46" | 20,000 | 1.000 | 1.984 | 0.015 |
| A 3X50-SK12P40 | 3.79 | 30" | 40" | 13,000 | 1.000 | 1.344 | 0.012 |
| A 3X50-SH10J29 | 4.12 | 24" | 29" | 2,500 | 0.625 | 0.734 | 0.010 |
| A 3X50-SL15R46 | 4.37 | 30" | 46" | 20,000 | 1.250 | 1.984 | 0.015 |
| A 3X50-SK15P42 | 4.74 | 30" | 42" | 13,000 | 1.000 | 1.672 | 0.015 |
| A 3X50-SH10K29 | 4.95 | 24" | 29" | 2,500 | 0.750 | 0.734 | 0.010 |
| A 3X50-SK18P47 | 5.69 | 32" | 47" | 13,000 | 1.000 | 2.000 | 0.018 |
| A 3X50-SL20R54 | 5.83 | 36" | 54" | 20,000 | 1.250 | 2.625 | 0.020 |
| A 3X50-SH12K36 | 5.94 | 30" | 36" | 2,500 | 0.750 | 0.875 | 0.012 |
| A 3X50-SL20S54 | 6.99 | 36" | 54" | 20,000 | 1.500 | 2.625 | 0.020 |
| A 3X50-SH12P36 | 7.92 | 30" | 36" | 2,500 | 1.000 | 0.875 | 0.012 |
| A 3X50-SL25S59 | 8.74 | 36" | 59" | 20,000 | 1.500 | 3.297 | 0.025 |
| A 3X50-SK20S52 | 9.48 | 36" | 52" | 13,000 | 1.500 | 2.219 | 0.020 |
| A 3X50-SH16P38 | 10.60 | 30" | 38" | 2,500 | 1.000 | 1.156 | 0.016 |
| A 3X50-SL25U59 | 11.70 | 36" | 59" | 20,000 | 2.000 | 3.297 | 0.025 |
| A 3X50-SK25S57 | 11.90 | 36" | 57" | 13,000 | 1.500 | 2.781 | 0.020 |
| A 3X50-SL31U69 | 14.40 | 42" | 69" | 20,000 | 2.000 | 4.078 | 0.031 |
| A 3X50-SK25U57 | 15.80 | 36" | 57" | 13,000 | 2.000 | 2.781 | 0.025 |
| A 3X50-SH20R47 | 16.50 | 36" | 47" | 2,500 | 1.250 | 1.469 | 0.020 |
| A 3X50-SK31U68 | 19.60 | 42" | 68" | 13,000 | 2.000 | 3.438 | 0.031 |
| A 3X50-SH20S47 | 19.80 | 36" | 47" | 2,500 | 1.500 | 1.469 | 0.020 |
| A 3X50-SH25S48 | 24.80 | 36" | 48" | 2,500 | 1.500 | 1.828 | 0.025 |
| A 3X50-SH25U48 | 33.00 | 36" | 48" | 2,500 | 2.000 | 1.828 | 0.025 |
| A 3X50-SH31U58 | 40.90 | 42" | 58" | 2,500 | 2.000 | 2.266 | 0.031 |



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