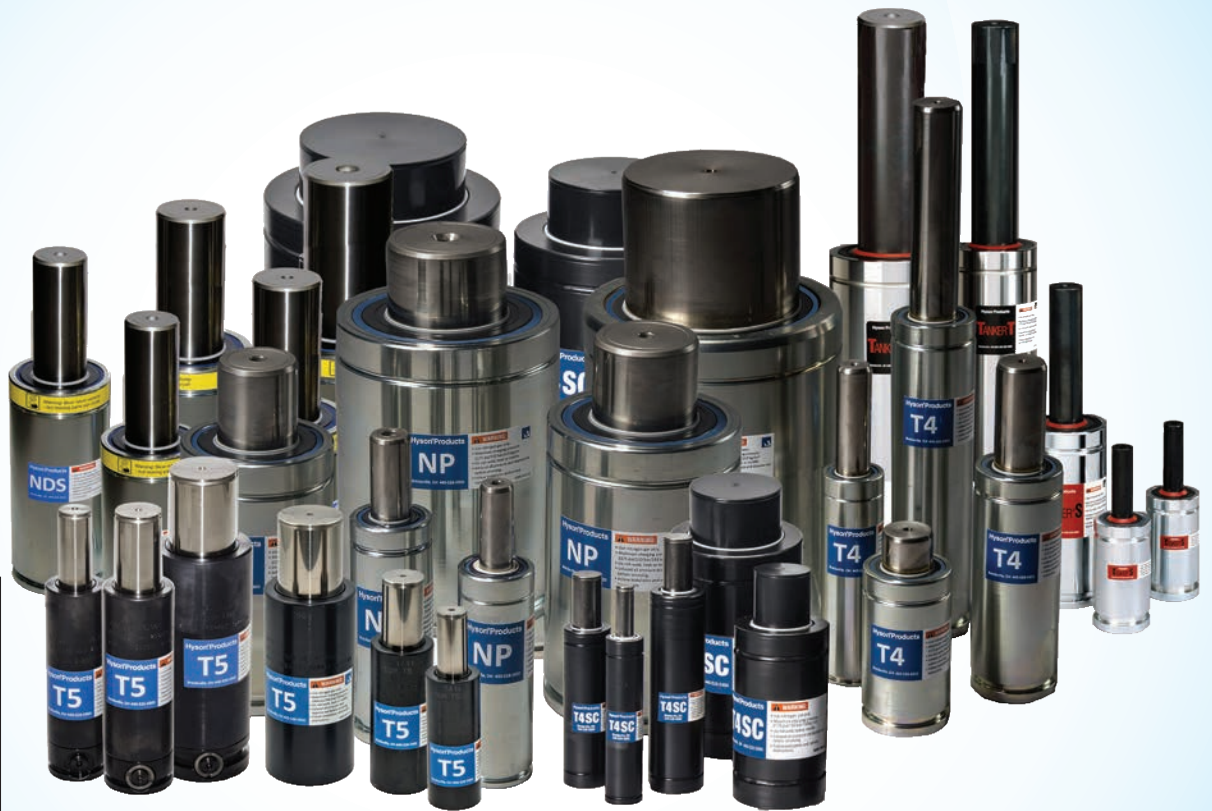


ACAT

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Nitrogen Gas Spring Selection Guide



HYSON
Metal Forming Solutions™

| Force Ranking per Body diameter | Spring Series Application | Product Line | Model |
|---------------------------------|---|------------------|---|
| Tanker Series | | | |
| 3 | High Force High Contamination Resistance | Tanker T&S | TNKT 1000, TNKT 2400, TNKT 4200, TNKT 6600, TNKS 1000, TNKS 2400, TNKS 4200, TNKS 6600 |
| 4 | High Performance and High Speed | Tanker 400 XP | TNK 400, TNK 400HS |
| T2 Series | | | |
| 4 | Mechanical and Coil Replacement | T2 Mini | T2-50, T2-70, T2-90, T2-180, T2-200, T2SS3-16, T2SS3- 16GM, T2SS2-24 |
| 4 | High Force Compact Height | T2B | T2-750P, T2B-1500, T2B-3000, T2B-5000 |
| T3 Series | | | |
| 3 | HIGH Force SHORTEST Height | T3 | T3-170, T3-320, T3-350, T3-500, T3-750, T3-1000, T3-1500, T3-2400, T3-4200, T3-6600, T3-9500, T3-20000 |
| 3 | HIGH Force Short Height | T3T | T3T-350, T3T-500, T3T-750, T3T-1000, T3T-1500, T3T-2400, T3T-4200, T3T-6600, T3T-9500 |
| T4 Series | | | |
| 3 | HIGH Force Full Height | T4 | T4-750, T4-1000, T4-1500, T4-2400, T4-4200, T4-6600, T4-9500, T4-20000 |
| 1 | HIGHEST Force Short Height | T4SC | T4SC-420, T4SC-740, T4SC-1000, T4SC-1800, T4SC-2900, T4SC-4700, T4SC-7500, T4SC-11800, T4SC-18300 |
| T5 Series | | | |
| 2 | Ultra High Force Compact Design | T5 | T5-500, T5-1000, T5-1900 |
| NP Series | | | |
| 4 | High Force Full Height | NP | NP-500, NP-750, NP-1500, NP-3000, NP-5000, NP-7500, NP-10000 |
| 4 | High Force Compact Height | NPL | NPL-750, NPL-1500, NPL-3000, NPL-5000, NPL-7500 |
| Stock Lifters | | | |
| N/A | Guided Lifting Systems | SL | T2-SLT-170, T2SLE-170, T2SLM-300, T2SRL-800, T2DPL-90, T2DPL-200 |
| Specialty Solutions | | | |
| N/A | High Working Temperatures | T2M, T3M | T2M-16, T2M 24, T3M-300, T3M-500, T3M-750, T3M-1000 |
| | Die Separation | NDS | NDS-3000, NDS-5000, NDS-7500 |
| | Smooth Return Series | SRS | SRS 750, SRS 1500, SRS 3000, SRS 5000 |
| Delay Systems | | | |
| 4 | Controllable Gas Springs | CS2 | CS2 1500, CS2 3000, CS2 5000, CS2 7500 |

| Contact Force N | Contact Force Lbf | Stroke Length mm | Seal Type | Genuinely Hyson Safety Features | | |
|---------------------|----------------------|---------------------|-----------|---------------------------------|-------------------------|-----------------------|
| | | | | Overload Protection | Overpressure Protection | Overstroke Protection |
| 9,630 up to 68,435 | 2,165 up to 15,385 | 13 up to 225 | Bore | N/A | ✓ | N/A |
| 3,940 | 885 | 6.3 up to 76.2 | Bore | ✓ | ✓ | N/A |
| 57 up to 2,000 | 13 up to 450 | 7 up to 125.0 | Rod | ✓ | N/A | ✓ |
| 7,300 up to 49,800 | 1,640 up to 11,200 | 12.7 up to 304.8 | Rod | N/A | N/A | N/A |
| 1,700 up to 200,000 | 382 up to 44,960 | 7 up to 125 | Rod | ✓ | ✓ | ✓ |
| 3,600 up to 95,000 | 810 up to 21,360 | 10 up to 125 | Rod | ✓ | ✓ | ✓ |
| 7,400 up to 200,000 | 1,665 up to 45,000 | 12.7 up to 300 | Rod | ✓ | ✓ | ✓ |
| 4,250 up to 183,000 | 955 up to 41,140 | 6 up to 65 | Bore | ✓ | ✓ | ✓ |
| 5,100 up to 19,200 | 1,150 up to 4,320 | 10 up to 80 | Rod | ✓ | ✓ | ✓ |
| 4,700 up to 106,000 | 1,055 up to 23,830 | 10 up to 300 | Rod | ✓ | ✓ | ✓ |
| 7,400 up to 75,000 | 1,665 up to 16,860 | 12.5 up to 250 | Rod | ✓ | ✓ | ✓ |
| 1,700 up to 7,100 | 382 up to 1,596 | 23 up to 210 | Rod | N/A | N/A | N/A |
| 420 up to 9,200 | 420 up to 2,068 | 10 up to 80 | Rod | ✓ | ✓ | ✓ |
| 30,000 up to 75,000 | 6,500 up to 16,860 | 80 up to 300 | Rod | ✓ | ✓ | ✓ |
| 7,400 up to 50,000 | 1,665 up to 11,250 | 80 up to 300 | Rod | ✓ | ✓ | ✓ |
| 15,000 up to 75,000 | 3,372 up to 16,860 | 4 up to 160 | Rod | N/A | | |

HYSON

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