

SPRĘŻYNY GAZOWE DO TŁOCZNIKÓW Z NANOTECHNOLOGIĄ

NITROGEN GAS SPRINGS FOR DIES
NANO TECHNOLOGY SERIES



PATENTS PENDING

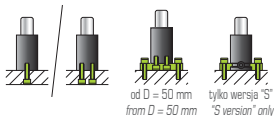
Możliwe mocowania

(zobacz także

Akcesoria do sprężyn gazowych str. 135)

Fixing possibilities

(see also "Accessories for nitrogen gas springs for dies" on page 135)

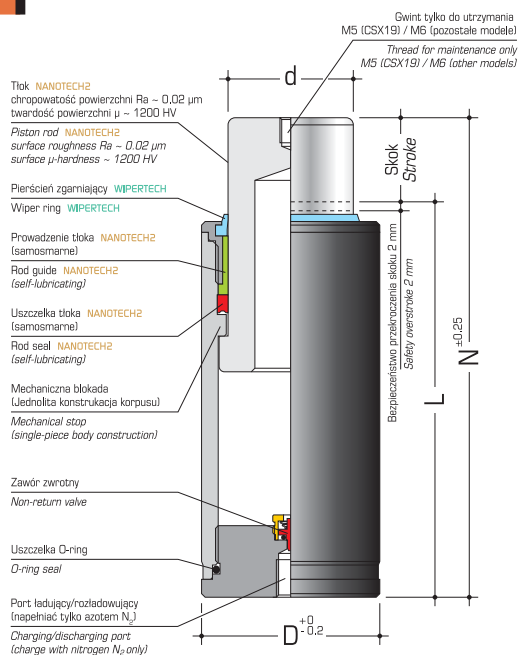


CSX

KOMPAKTOWA SIŁA: z zasady modele CSX generują najwyższą dostępną siłę, aż do 50% większą w porównaniu z innymi seriami z nanotechnologią i 4 razy większą siłę od sprężyn ISO 11901-1 – modele standardowe (średnice takie same).
NOWOŚĆ: ulepszone o nową nanotechnologię WIPERTECH i NANOTECH2. Nowy model 2XCSX32 ze średnicą 32 mm i zwiększoną siłą dostępne dodatkowo do modeli CSX32. Nowe zakresy skoków we wszystkich średnicach.
DLA PRODUCENTÓW TŁOCZNIKÓW: sprężyny gazowe z mniejszymi średnicami pozwalają na projektowanie bardziej kompaktowych tłoczników, zmniejszając przy tym znacząco koszty produkcji.
DLA UŻYTKOWNIKÓW: sprężyny gazowe z długą żywotnością oraz większą liczbą cykli na minutę pozwalają znacząco obniżyć koszty utrzymania oraz zredukować przestoje produkcyjne.
SAMOSMARNE dla milionów cykli dzięki zastosowanym nanotechnologiom (patent pending).
ZABEZPIECZONE PRZED ZANIECZYSZCZENIAMI dzięki pierścieniowi zgarniającemu WIPERTECH.
ZALECANE jako pierwszy wybór dla wszystkich projektów i zastosowań dzięki najnowszemu zaawansowanemu technologii i wyższej dostępnej sile.
NOWE MODELE DOSTARCZANE BĘDĄ W MOMENCIE WYPRZEDANIA STARYCH MODELI.

THE COMPACT POWER: as a rule, the CSX models generate the highest available force, up to +50% in comparison with the other nano-technology series and up to 4 times the force of ISO 11901-1 standard models (diameters being the same).
WHAT'S NEW: upgraded with the new WIPERTECH and NANOTECH2 nano-technologies. New 2XCSX32 models with diameter 32 mm and increased force are available in addition to the CSX32 models. New stroke lengths available for all diameters.
FOR THE DIE MAKER: gas springs with reduced diameters allow to manufacture more compact press dies, cutting all your costs in a drastic way.
FOR THE DIE USER: gas springs with a long service life and high working cycles per minute allow to drastically cut the production costs, die maintenance costs and production stops.
SELF-LUBRICATED for millions of working cycles thanks to the nano-technologies (patent pending).
PROTECTED AGAINST CONTAMINANTS with WIPERTECH protective wiper ring.
RECOMMENDED as the first choice for all projects and applications, thanks to the most advanced technology and the highest available forces.
THE NEW MODELS WILL BE SUPPLIED ONLY WHEN THE OLD ONES ARE OUT OF STOCK.

CSX



UWAGI TECHNICZNE

Ważne: instrukcja obsługi oraz maksymalna ilość skoków na minutę na stronie 88-95.

Akcesoria i pozostałe mocowania sprawdź na stronie 135.

Na żądanie dostępne inne długości skoków. Modele CS są zamiennikami do modeli CSX.

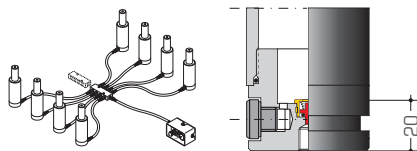
TECHNICAL NOTES

Important use instructions and maximum number of cycles per minute on pages 88-95.

For accessories and other mountings, see page 135.

Different stroke lengths on request. The CS models are replaceable with the CSX models.

WERSJA "S" / "S" VERSION



WERSJA "S"

Z rowkiem do mocowania i portem bocznym G1/8 do podłączeń do otwartych systemów, od D = 50mm.

» wymiary **L i N: + 20 mm**

» dodaj **-S** aby zamówić

Przykład: 8 szt. CSX50-50-**S**

"S" VERSION

With fixing groove and G1/8 side port, linkable to open system, from D = 50 mm.

» **L and N dimensions: + 20 mm**

» Add an **-S** to order them

Example: no. 8 pcs. CSX50-50-**S**

| MODEL MODEL | MAX SKOK mm MAX STROKE mm | L mm | N mm | D mm | d mm | bar | daN | daN | PODSTAWA SPRĘŻYNY GAZOWEJ GAS SPRING BASE | |
|---------------------------|------------------------------|---------|---------|---------|---------|-----|------|-------|--|---|
| CSX19-10 | 10 | 65 | 75 | 19 | 10 | 191 | 150 | 200 | <p>M6 x 8 do ładowania/ rozładowania for charging/discharging do mocowania for fixing</p> | |
| 15 | 15 | 70 | 85 | | | | | 210 | | |
| 20 | 20 | 75 | 95 | | | | | 220 | | |
| 25 | 25 | 80 | 105 | | | | | 230 | | |
| 32 | 32 | 88 | 120 | | | | | 230 | | |
| 38 | 38 | 97 | 135 | | | | | 240 | | |
| 45 | 45 | 105 | 150 | | | | | 240 | | |
| 50 | 50 | 110 | 160 | | | | | 240 | | |
| 56 | 56 | 119 | 175 | | | | | 240 | | |
| 63 | 63 | 127 | 190 | | | | | 240 | | |
| 80 | 80 | 140 | 220 | 250 | | | | | | |
| CSX25-10 | 10 | 65 | 75 | 25 | 14 | 195 | 300 | 430 | <p>M6 x 10 do ładowania/ rozładowania for charging/discharging do mocowania for fixing</p> | |
| 15 | 15 | 70 | 85 | | | | | 450 | | |
| 20 | 20 | 75 | 95 | | | | | 480 | | |
| 25 | 25 | 80 | 105 | | | | | 500 | | |
| 32 | 32 | 88 | 120 | | | | | 520 | | |
| 38 | 38 | 97 | 135 | | | | | 530 | | |
| 45 | 45 | 105 | 150 | | | | | 540 | | |
| 50 | 50 | 110 | 160 | | | | | 550 | | |
| 56 | 56 | 119 | 175 | | | | | 550 | | |
| 63 | 63 | 127 | 190 | | | | | 550 | | |
| 80 | 80 | 145 | 225 | 580 | | | | | | |
| CSX32-10 | 10 | 65 | 75 | 32 | 18 | 197 | 500 | 680 | <p>M4 do ładowania/ rozładowania for charging/discharging M6x9 (2x) do mocowania for fixing</p> | |
| 15 | 15 | 70 | 85 | | | | | 700 | | |
| 20 | 20 | 75 | 95 | | | | | 770 | | |
| 25 | 25 | 80 | 105 | | | | | 800 | | |
| 32 | 32 | 88 | 120 | | | | | 840 | | |
| 38 | 38 | 97 | 135 | | | | | 870 | | |
| 45 | 45 | 105 | 150 | | | | | 870 | | |
| 50 | 50 | 110 | 160 | | | | | 890 | | |
| 56 | 56 | 119 | 175 | | | | | 900 | | |
| 63 | 63 | 132 | 195 | | | | | 910 | | |
| 80 | 80 | 150 | 230 | 920 | | | | | | |
| Nowy model! New model! | 2XCSX32-10 | 10 | 65 | 75 | 32 | 20 | 210 | 660 | 950 | <p>M4 do ładowania/ rozładowania for charging/discharging M6x9 (2x) do mocowania for fixing</p> |
| | 15 | 15 | 70 | 85 | | | | | 1000 | |
| | 20 | 20 | 75 | 95 | | | | | 1050 | |
| | 25 | 25 | 80 | 105 | | | | | 1100 | |
| | 32 | 32 | 88 | 120 | | | | | 1150 | |
| | 38 | 38 | 97 | 135 | | | | | 1150 | |
| | 45 | 45 | 105 | 150 | | | | | 1160 | |
| | 50 | 50 | 110 | 160 | | | | | 1170 | |
| 56 | 56 | 119 | 175 | 1180 | | | | | | |
| 63 | 63 | 132 | 195 | 1190 | | | | | | |
| 80 | 80 | 150 | 230 | 1200 | | | | | | |
| CSX38-10 | 10 | 65 | 75 | 38 | 25 | 205 | 1000 | 1530 | <p>M8 do ładowania/ rozładowania for charging/discharging M6 x 10 (2x) do mocowania for fixing</p> | |
| 15 | 15 | 70 | 85 | | | | | 1730 | | |
| 20 | 20 | 75 | 95 | | | | | 1880 | | |
| 25 | 25 | 80 | 105 | | | | | 2000 | | |
| 32 | 32 | 88 | 120 | | | | | 2080 | | |
| 38 | 38 | 97 | 135 | | | | | 2090 | | |
| 45 | 45 | 105 | 150 | | | | | 2100 | | |
| 50 | 50 | 110 | 160 | | | | | 2110 | | |
| 56 | 56 | 119 | 175 | | | | | 2130 | | |
| 63 | 63 | 142 | 205 | | | | | 2140 | | |
| 80 | 80 | 160 | 240 | 2150 | | | | | | |
| CSX50-10 | 10 | 80 | 90 | 50 | 35 | 209 | 2000 | 3000 | <p>M8 do ładowania/ rozładowania for charging/discharging M8 x 12 (2x) do mocowania for fixing</p> | |
| 15 | 15 | 100 | 115 | | | | | 3050 | | |
| 20 | 20 | 105 | 125 | | | | | 3100 | | |
| 25 | 25 | 110 | 135 | | | | | 3200 | | |
| 32 | 32 | 118 | 150 | | | | | 3500 | | |
| 38 | 38 | 127 | 165 | | | | | 3600 | | |
| 45 | 45 | 135 | 180 | | | | | 3700 | | |
| 50 | 50 | 140 | 190 | | | | | 3800 | | |
| 56 | 56 | 149 | 205 | | | | | 3900 | | |
| 63 | 63 | 157 | 220 | | | | | 4100 | | |
| 80 | 80 | 175 | 255 | 4400 | | | | | | |
| CSX63-10 | 10 | 85 | 95 | 63 | 45 | 189 | 3000 | 3900 | <p>M8 do ładowania/ rozładowania for charging/discharging M8 x 12 (2x) do mocowania for fixing</p> | |
| 15 | 15 | 100 | 115 | | | | | 4000 | | |
| 20 | 20 | 105 | 125 | | | | | 4200 | | |
| 25 | 25 | 110 | 135 | | | | | 4400 | | |
| 32 | 32 | 118 | 150 | | | | | 4600 | | |
| 38 | 38 | 127 | 165 | | | | | 4700 | | |
| 45 | 45 | 135 | 180 | | | | | 4900 | | |
| 50 | 50 | 140 | 190 | | | | | 5000 | | |
| 63 | 63 | 157 | 220 | | | | | 5200 | | |
| 80 | 80 | 175 | 255 | | | | | 5500 | | |
| CSX75-10 | 10 | 90 | 100 | 75 | 58 | 190 | 5000 | 6400 | <p>M8 do ładowania/ rozładowania for charging/discharging M8 x 12 (4x) do mocowania for fixing</p> | |
| 15 | 15 | 110 | 125 | | | | | 6500 | | |
| 25 | 25 | 120 | 145 | | | | | 7000 | | |
| 38 | 38 | 137 | 175 | | | | | 7700 | | |
| 50 | 50 | 150 | 200 | | | | | 8100 | | |
| 63 | 63 | 177 | 240 | | | | | 8200 | | |
| 80 | 80 | 195 | 275 | | | | | 8500 | | |
| CSX95-10 | 10 | 100 | 110 | 95 | 75 | 182 | 8000 | 10900 | <p>M8 do ładowania/ rozładowania for charging/discharging M8 x 14 (4x) do mocowania for fixing</p> | |
| 15 | 15 | 120 | 135 | | | | | 11100 | | |
| 25 | 25 | 130 | 155 | | | | | 11800 | | |
| 38 | 38 | 147 | 185 | | | | | 12600 | | |
| 50 | 50 | 165 | 215 | | | | | 12900 | | |
| 63 | 63 | 192 | 255 | | | | | 13200 | | |
| 80 | 80 | 210 | 290 | | | | | 13600 | | |
| 100 | 100 | 240 | 340 | 13900 | | | | | | |