KSZTAŁTKI SPOŻYWCZE
DAIRY FITTINGS
### Kolano 90° S - S
**Bend 90° S - S**

#### 30010 Wymiary • Dimensions

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## KSZTAŁTKI SPOŻYWCZE
### DAIRY FITTINGS

### Seria produktów NIOB FLUID • www.cromostal.pl

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![Diagram of Kolano 90° C - C](image1)

![Diagram of Kolano 90° C - S](image2)
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![Diagram of Trójnik z odejściem kolanowym S-S-S](image)

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![Diagram of Trójnik kolanowy S - S](image)

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![Diagram of Trójnik kolanowy G - G - G](image)
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KSZTAŁTKI SPOŻYWCZE
DAIRY FITTINGS
Seria produktów NIOB FLUID • www.cromostal.pl
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<td><strong>NAZWA</strong></td>
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<tr>
<td><strong>TEMPERATURA</strong></td>
<td>w wodzie stabilnie do 100°C</td>
<td>ciągła eksploatacja zastosowania od 40°C do 140°C</td>
<td>ciągła eksploatacja zastosowania od 20°C do 200°C</td>
<td>ciągła eksploatacja zastosowania od 25°C do 110°C</td>
<td>do 200°C fizjologicznie bezpieczny, zastosowanie od 200°C do 260°C</td>
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<td><strong>ZASTOSOWANIA</strong></td>
<td>możliwość sterylizacji parą wodną krótko czasowo do 120°C – 130°C</td>
<td>możliwość sterylizacji parą wodną do 130°C</td>
<td>możliwość sterylizacji parą wodną krótko czasowo do 130°C – 140°C</td>
<td>możliwość sterylizacji parą wodną krótko czasowo do 13°C</td>
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<td><strong>ZALECANE ZASTOSOWANIE</strong></td>
<td>obciążenia o wysokiej odporności na temperatury stabilny na zimno, doskonale nadaje się do produktów żywnościowych, dobra odporność na alkohol</td>
<td>dobra odporność na pchnięcie w środowisku: - rozcięczeniowych organicznych i nieorganicznych kwasów, kwasów alkalicznych i ketonów - gorąca woda i para wodna do 130°C</td>
<td>dobra odporność na pchnięcie w środowisku: - olei mineralnych - olei roślinnych i zwierzęcych - smarów (i dodatków) - paliwa i smarów</td>
<td>dobra odporność na pchnięcie w środowisku: - węglowodorów (propan, butan, benzyna, olej mineralny) - smarów na podstawie olei mineralnych</td>
<td>dobra odporność na pchnięcie praktycznie we wszystkich substancjach; powierzchnia jest gładka i hydrofobowa, przez co sklejenia nie występują chemiczna odporność jest lepsza od wszystkich innych niepalnych elastomerów</td>
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<td><strong>OGRANICZENIA W UŻYCIU</strong></td>
<td>Charakteryzuje się silnym pchnięciem w kontakcie z: - estrami i eterami - alifatycznymi i aromatycznymi węglowodorami - stężonymi kwasami i kwasami alkalicznych</td>
<td>Nie używać do: - olei roślinnych i zwierzęcych - alifatycznych, aromatycznych i chlorowanych węglowodorów - olei mineralnych</td>
<td>Charakteryzuje się silnym pchnięciem w kontakcie z: - rozpuszczalnikami polarnymi (np. aceton, metilketon, octan etylu i dioksan - kwasami organicznymi (kwas mrówkowy i octowy) - gazowym amoniakiem, aminami i alkanami - przegrzaną parą wodną</td>
<td>Nieodporny na: - węglowodory - ketony -węglowodory - aromatyczne (benzen) - estry</td>
<td>Nieodporny na: - ciepłe metale alkaliczne i niektóre związki fluoru przy wysokiej temperaturze i ciśnieniu</td>
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**CERTYFIKACJA MATERIAŁU**

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<tr>
<th>BGA/FDA</th>
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<tr>
<td>BGA = Certyfikat wydany przez „Niemieckie Ministerstwo Zdrowia” („Bundesgesundheitsamt”)</td>
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<td>FDA = Certyfikat wydany przez „Amerykańską Agencję ds. Zwojności i Leków” („US Food and Drug Administration”)</td>
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<tr>
<td>Material</td>
<td>Temperature of Use</td>
<td>Recommended Use</td>
<td>Limited Use (Border)</td>
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<td><strong>SILICON</strong> (VMQ silicon rubber)</td>
<td>It is stable in water up to 100°C Possibility of sterilisation by steam short-term up to 120°C to 130°C</td>
<td>It has good resistance to swelling for: - Diluted inorganic and organic acids, media, oxidising media, lyes, and ketones - Hot water and steam up to 130°C</td>
<td>Shows high swelling for: - Low-molecular esters and ethers - Aliphatic and aromatic hydrocarbons - Concentrated acids and alkali</td>
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<td><strong>EPDM</strong> (ethylene-ropylene-diene rubber)</td>
<td>Permanent operating use from 40°C to +140°C Possibility of sterilisation by steam up to 130°C</td>
<td>It has good resistance to swelling for: - Mineral oils - Plant and animal oils - Lubricants (also some additives) - Fuels</td>
<td>Cannot be used for: - Plant and animal oils - Aliphatic, aromatic, and chlorinated hydrocarbons - Mineral oils</td>
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<tr>
<td><strong>VITON</strong> (FPM fluorine rubber)</td>
<td>Permanent operating use from 20°C to +200 °C Possibility of sterilisation by steam short-term up to 130°C to 140°C</td>
<td>It has good resistance to swelling for: - Aliphatic hydrocarbons (such as propane, butane, benzine, mineral oil) - Lubricants based on mineral oil</td>
<td>Shows high swelling for: - Polar solvents, such as acetone, methyl ketone, ethyl acetate, diethyl ether, and dioxane - Low-molecular organic acids (formic acid and acetic acid) - Gaseous ammonia, amines and alkanes - Overheated water steam</td>
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<tr>
<td><strong>PERBUNAN</strong> (NBR nitrile rubber)</td>
<td>Permanent operating use from 25°C to +110 °C Possibility of sterilisation by steam short-term up to 130°C</td>
<td>Not resistant to: - Polar solvents - Chlorinated hydrocarbons - Ketones - Aromatic hydrocarbons (benzol)</td>
<td>Not resistant to: - Liquid alkaline metals and some compounds of fluorine in connection with higher pressure and temperature</td>
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<tr>
<td><strong>PTFE</strong> (polytetrafluorethylene)</td>
<td>Up to +200°C it is physiologically harmless, use from 200°C to +260°C</td>
<td>It has good resistance to swelling in almost all parts It has a smooth and repellent surface so sticking does not occur</td>
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O FIRMIE

Adres:
Cromo-Stal Sp. z o.o.
ul. Pod Młynem 19
40-313 Katowice
NIP 634-272-63-58

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tel.: 32 200 00 40
tel.: 32 630 50 30

Kontakt
email: bok@cromostal.pl

DODATKOWO W NASZYM ASORTYMENCIE ZNAJDĄ PAŃSTWO:

- Włazy kwasoodporne
- Rury kwasoodporne bezszwowe
- Rury kwasoodporne spawane
- Kolana kwasoodporne
- Kolnierze kwasoodporne
- Kształtowniki kwasoodporne
- Redukcje kwasoodporne
- Tuleje kwasoodporne
- Złączki oraz zawory kwasoodporne.

Zapraszamy do kontaktu!

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Pełną naszą ofertę znajdą Państwo na stronie:
www.cromostal.pl