

Part number:

HYDROMA

HYDRAULICKÉ SYSTÉMY

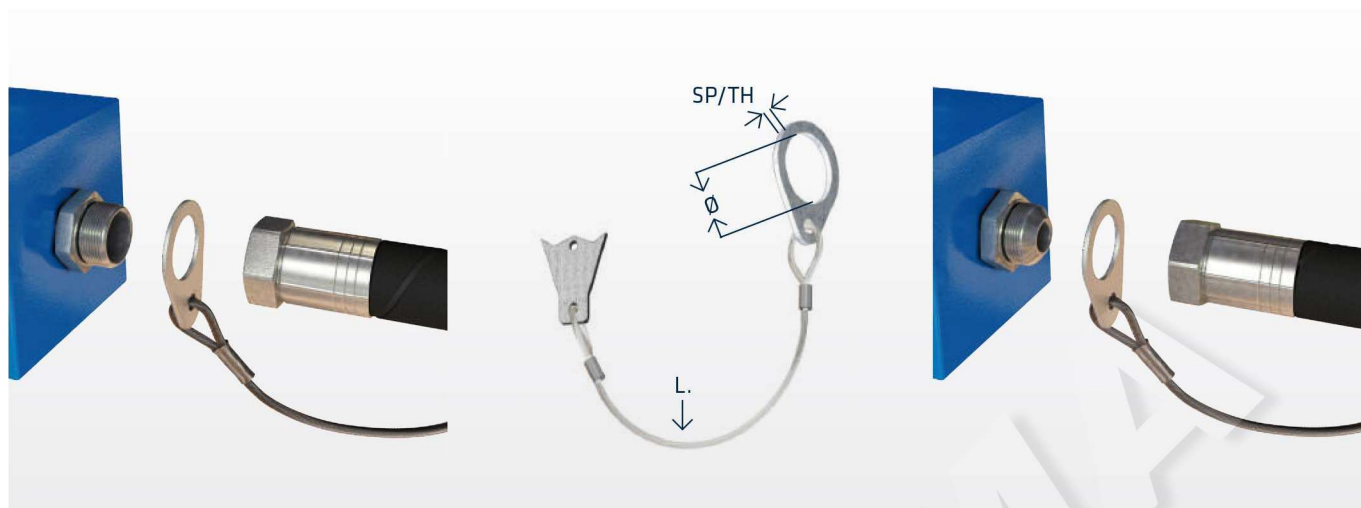
**HIDROMA
SISTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Nipple retention system



24° cone connectors (DIN)

| CODICE CODE | Ø M | Ø mm Ø inches | SP/TH mm inches | L. mm inches | Nr. Pezzi No. of PCS | Pressione Massima di lavoro bar - psi Max operating Pressure bar-psi | Piastrina incisione Cutting Plate |
|---------------|-----|------------------|-----------------------|-----------------|----------------------------|--|--|
| STOPFUDIN145 | M6 | 14,5 0,571 | 2 0,079 | 300 11,811 | 10 | 450 6525 | small |
| STOPFUDIN17 | M6 | 17 0,669 | 2 0,079 | 300 11,811 | 10 | 445 6453 | small |
| STOPFUDIN185 | M6 | 18,5 0,728 | 2 0,079 | 300 11,811 | 10 | 420 6090 | small |
| STOPFUDIN205 | M6 | 20,5 0,807 | 2 0,079 | 300 11,811 | 10 | 420 6090 | small |
| STOPFUDIN225 | M6 | 22,5 0,886 | 2 0,079 | 300 11,811 | 10 | 420 6090 | small |
| STOPFUDIN245 | M6 | 24,5 0,965 | 2 0,079 | 300 11,811 | 10 | 420 6090 | small |
| STOPFUDIN265 | M6 | 26,5 1,043 | 2 0,079 | 300 11,811 | 10 | 420 6090 | small |
| STOPFUDIN305 | M6 | 30,5 1,201 | 2,5 0,098 | 300 11,811 | 10 | 420 6090 | small |
| STOPFUDIN34 | M8 | 34 1,339 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN365 | M8 | 36,5 1,437 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN2365 | M6 | 36,5 1,437 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN425 | M8 | 42,5 1,673 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN455 | M8 | 45,5 1,791 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN2455 | M6 | 45,5 1,791 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN49 | M8 | 49 1,929 | 2,5 0,098 | 450 17,717 | 10 | 420 6090 | large |
| STOPFUDIN525 | M8 | 52,5 2,067 | 2,5 0,098 | 450 17,717 | 10 | 385 5583 | large |
| STOPFUDIN60 | M8 | 60 2,362 | 2,5 0,098 | 450 17,717 | 10 | 350 5075 | large |

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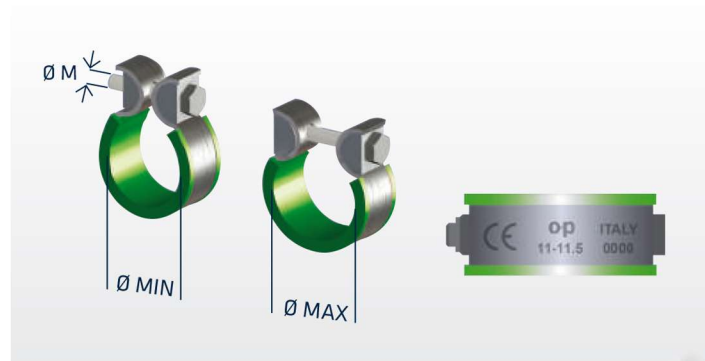
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SISTEMS

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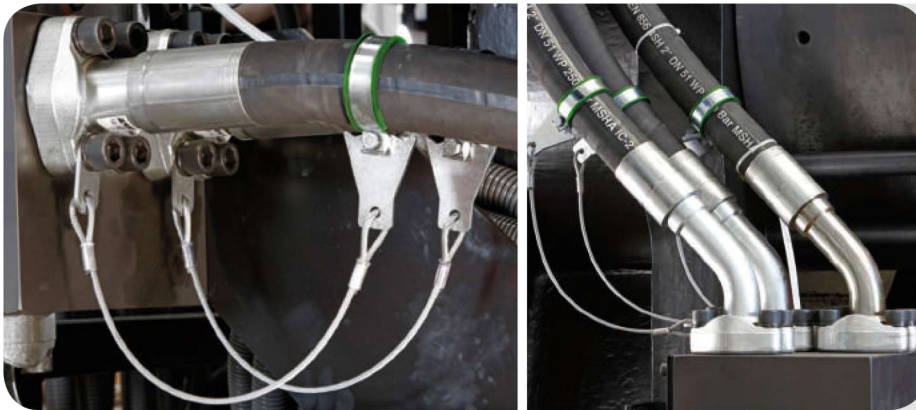
HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Stopflex hose bands



| CODICE CODE | Ø M | Ø MIN | | Ø MAX | | Nr. Pezzi No. of PCS |
|----------------|-----|-------|--------|-------|--------|-------------------------|
| | | mm | inches | mm | inches | |
| STOPFA1115 | M6 | 11 | 0,433 | 11,5 | 0,453 | 10 |
| STOPFA12125 | M6 | 12 | 0,472 | 12,5 | 0,492 | 10 |
| STOPFA13135 | M6 | 13 | 0,512 | 13,5 | 0,531 | 10 |
| STOPFA1415 | M6 | 14 | 0,551 | 15 | 0,591 | 10 |
| STOPFA1617 | M6 | 16 | 0,630 | 17 | 0,669 | 10 |
| STOPFA1718 | M6 | 17 | 0,669 | 18 | 0,709 | 10 |
| STOPFA1819 | M6 | 18 | 0,709 | 19 | 0,748 | 10 |
| STOPFA2021 | M6 | 20 | 0,787 | 21 | 0,827 | 10 |
| STOPFA2122 | M6 | 21 | 0,827 | 22 | 0,866 | 10 |
| STOPFA2223 | M6 | 22 | 0,866 | 23 | 0,906 | 10 |
| STOPFA2425 | M6 | 24 | 0,945 | 25 | 0,984 | 10 |
| STOPFA2526 | M6 | 25 | 0,984 | 26 | 1,024 | 10 |
| STOPFA2627 | M6 | 26 | 1,024 | 27 | 1,063 | 10 |
| STOPFA2728 | M6 | 27 | 1,063 | 28 | 1,102 | 10 |
| STOPFA2829 | M6 | 28 | 1,102 | 29 | 1,142 | 10 |
| STOPFA3031 | M6 | 30 | 1,181 | 31 | 1,220 | 10 |
| STOPFA3233 | M6 | 32 | 1,260 | 33 | 1,299 | 10 |
| STOPFA3435 | M6 | 34 | 1,339 | 35 | 1,378 | 10 |
| STOPFA3637 | M6 | 36 | 1,417 | 37 | 1,457 | 10 |
| STOPFA3839 | M6 | 38 | 1,496 | 39 | 1,535 | 10 |
| STOPFA3940 | M6 | 39 | 1,535 | 40 | 1,575 | 10 |
| STOPFA4041 | M6 | 40 | 1,575 | 41 | 1,614 | 10 |
| STOPFA4243 | M6 | 42 | 1,654 | 43 | 1,693 | 10 |
| STOPFA4344 | M6 | 43 | 1,693 | 44 | 1,732 | 10 |
| STOPFA4445 | M6 | 44 | 1,732 | 45 | 1,772 | 10 |
| STOPFA4547 | M8 | 45 | 1,772 | 47 | 1,850 | 10 |
| STOPFA4850 | M8 | 48 | 1,890 | 50 | 1,969 | 10 |
| STOPFA5153 | M8 | 51 | 2,008 | 53 | 2,087 | 10 |
| STOPFA5456 | M8 | 54 | 2,126 | 56 | 2,205 | 10 |
| STOPFA5759 | M8 | 57 | 2,244 | 59 | 2,323 | 10 |
| STOPFA6062 | M8 | 60 | 2,362 | 62 | 2,441 | 10 |
| STOPFA6365 | M8 | 63 | 2,480 | 65 | 2,559 | 10 |
| STOPFA6668 | M8 | 66 | 2,598 | 68 | 2,677 | 10 |
| STOPFA6971 | M8 | 69 | 2,717 | 71 | 2,795 | 10 |
| STOPFA7274 | M8 | 72 | 2,835 | 74 | 2,913 | 10 |
| STOPFA7577 | M8 | 75 | 2,953 | 77 | 3,031 | 10 |
| STOPFA7880 | M8 | 78 | 3,071 | 80 | 3,150 | 10 |
| STOPFA8183 | M8 | 81 | 3,189 | 83 | 3,268 | 10 |
| STOPFA8486 | M8 | 84 | 3,307 | 86 | 3,386 | 10 |
| STOPFA8789 | M8 | 87 | 3,425 | 89 | 3,504 | 10 |
| STOPFA9092 | M8 | 90 | 3,543 | 92 | 3,622 | 10 |
| STOPFA9395 | M8 | 93 | 3,661 | 95 | 3,740 | 10 |



The assembly procedure of the application is fundamental to ensure the correct operation of the Stopflex system.

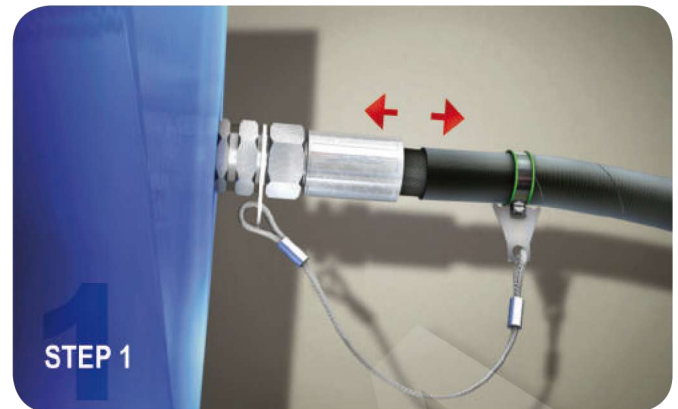
As a matter of fact, failure to carefully follow the assembly instructions, may actually jeopardise the operation of the system.

After numerous tests on the test benches, we found the ideal combination of materials and assembly procedure to ensure the utmost efficiency in the system.

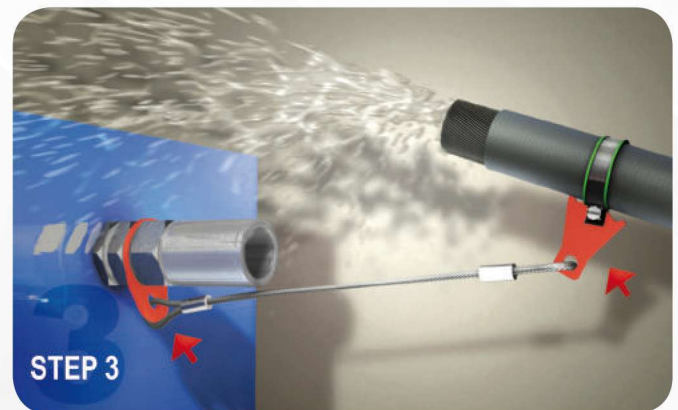
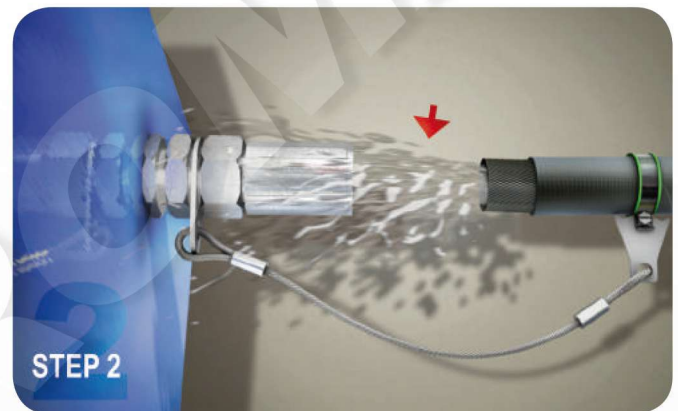
- *Given environmental conditions such as ultraviolet light, ozone, salty water, chemical agents (solvents, fuels, oils, greases, volatile chemical compounds, acids, disinfectants and other aggressive elements) can cause early deterioration of the band seal;*
- *The seal must be replaced every 4 years if the band is not assembled;*
- *The seal must be replaced every 2 years if the band is assembled;*
- *The STOPFLEX system must never be re-used in case of hose rupture, slip-off or replacement of the hose, as this will jeopardise the initial safety features of the system. Should the system be re-used, the assembler will be held entirely liable therefor.*

STEP 1: DISENGAGEMENT

The Stopflex system does not operate during the step of disengaging the flexible hose, but, if applied correctly, it ensures that the hose is fully disengaged from the ferrule that restrains it.

**STEP 2: RELEASE / VENTING OF PRESSURE**

During this step, the pressurised oil exits from the flexible hose. The hose begins to release the energy contained therein, and gains considerable velocity, triggering a hazardous “whip effect” which is very dangerous to anyone or anything in its vicinity.

**STEP 3: RESTRAINT**

Once the hose has been disengaged and the pressure released, the flexible hose can be restrained. This is where the Stopflex system gets into operation: the stainless steel cable is tensioned and deformed while the plate cuts into the rubber of the hose, preventing the clamp, firmly attached to the hose, from disengaging. The hose clamp and plate start to deform in turn, elastically absorbing the force released from the travel of the flexible hose. This is a critical step which occurs within just a few seconds in which the materials and the components of the system, previously sized and tested, stop the dangerous travel of the flexible hose.

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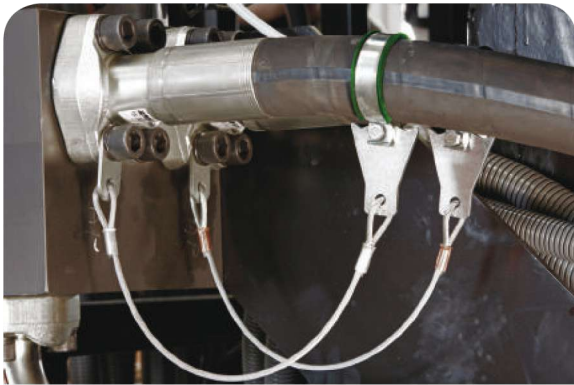
**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

For safer plants



INTERNATIONAL PATENT

ISO 4413 HYDRAULIC FLUID POWER, GENERAL RULES RELATING TO SYSTEM:

“Should the rupture of a hose assembly represent a whiplash hazard, the latter shall be restrained or shielded”.

IHSA
International
Hydraulic Safety Authority

“The International Hydraulic Safety Authority is the world leader in hydraulic safety training. Our hydraulic safety content as it relates to systems, occupational and environmental safety is the most comprehensive training available in this subject matter.

In regards to hose restraints IHSA high recommends the use of the Stopflex system.

In some jurisdictions hose whip restraints are required by law where there is risk to personnel from whipping hoses.”

**DISPLAY RACKS AVAILABLE
UPON REQUEST FOR OUR
DEALERS.**

GARANZIA DI SICUREZZA

La forza sprigionata da un tubo flessibile in pressione, in caso di sfilamento dal raccordo, potrebbe risultare molto pericolosa per cose o persone nelle vicinanze. Il sistema di trattenimento Stopflex è stato ideato per arrestare la corsa del tubo sfilato ed evitare che la forza sprigionata al suo interno possa innescare un temibile "effetto frusta". Grazie al sistema Stopflex, infatti, il tubo flessibile viene ancorato tramite una fune all'impianto garantendo così la piena tutela degli operatori e la salvaguardia dei componenti.

SAFETY GUARANTEE

The energy contained within a pressure hose, in case of disconnection from the fitting, can be very dangerous to anyone or anything in its vicinity. The Stopflex retention system was designed to arrest the trajectory of the flexible hose, thus avoiding that the energy contained inside may trigger a frightening "whip effect". As a matter of fact, thanks to the Stopflex system, the hose is secured to the plant by means of a cable protecting both the operators and components.

FLESSIBILITÀ DI UTILIZZO

I componenti Stopflex possono essere applicati a tutti i tipi di tubo flessibile. La fascetta, munita di guarnizione, rimane perfettamente ancorata al tubo pur consentendo alla condotta di polmonare in base alla pressione di esercizio. L'ancoraggio può essere applicato a nipples, a flange SAE o a diversi componenti dell'impianto.

USE FLEXIBILITY

Stopflex components can be applied to all kinds of flexible hoses. A band, equipped with a rubber gasket, remains perfectly secured, simultaneously allowing the hose to swell according to the working pressure. The retaining components can be secured to nipples, to SAE flanges or other system components.

PROTEZIONE COLLAUDATA

Il sistema Stopflex, previo corretto montaggio, è stato realizzato e collaudato per garantire il trattenimento del tubo fino alla pressione massima indicata nel presente catalogo facendo riferimento alle seguenti norme che regolano la costruzione dei tubi flessibili oleodinamici:

EN 853 EN 854 EN 855
EN 856 EN 857 SAE J517

TESTED PROTECTION

The Stopflex system, upon correct mounting, was manufactured and tested to ensure the retention of the hose up to the maximum pressure indicated in this catalogue in compliance with the following standards regulating the manufacture of hydraulic flexible hoses:

EN 853 EN 854 EN 855
EN 856 EN 857 SAE J517

Non adatto a tubazioni contenenti aria o gas in pressione

N.B.

Esistono sul mercato tubazioni flessibili oleodinamiche che potrebbero superare le pressioni indicate nel presente catalogo ed in presenza delle quali vi invitiamo a contattare il nostro ufficio tecnico per ulteriori verifiche dell'applicazione.
E-mail: service@op-srl.it

Not suitable for high pressure air and compressed gas hoses

N.B.

In the market there are hydraulic flexible hoses capable of exceeding the pressures indicated in this catalogue. In case you encounter such hoses, please contact our technical department for further ascertainment regarding application thereof.
E-mail: service@op-srl.it