



ANTI BLOC FETT / GREASE GAUGES

Literature



Introduction:



Figure 1 Anti Bloc Fett / Grease

Anti-bloc fett is a powerful sealant used in high-level industrial applications. Sealants play an important part during pipe, tube, flange, or hose connections. They help to fill minute gaps that may exist during metal-to-metal connection.

Anti-bloc fett comes in handy during such connections as they serve as both grease and sealant. This is because ABF reduces the friction between metal surfaces when the machinery is in operation, while also closing gaps that may exist. The material, made up of anti-bloc

fett, ensures that there is a possibility of leakage in the system.

Anti-bloc fett comes in various sizes. The large size is stored in cans and has a mass of 1000g. You can also get smaller variants in a 100g size. The anti-bloc fett is particularly a recommended sealant when working with machinery that would operate between 100 degrees Celsius to 400 degrees celsius. Both, however, that is it is not advised to use Anti-bloc fett is not advised in equipment that processes drinking water or other drinking fluids.

Steps of applying Anti-bloc Fett / Grease:

Applying the anti-bloc fett is a simple process during installation. The steps described below give a blueprint on how to apply Anti-bloc grease to a tube connection.



Figure 2 Anti Bloc Fett / Grease

Step 1: Measure the length of the tube

The first thing to do is to determine the length of the tube you wish to fit your desired length. Remember that this length should fit the other components of the assembly. You should take note of the following when measuring the tube length.

- Measure the length of the tube studs at both ends.
- Add the desired gap between two studs facing each other.

It is important to point out that depending on the material you are using, the tube length determinant may vary. Stainless steel for instance has a tube length determinant of 1.4571. Be sure to consider this factor when specifying your tube length.

Step 2: Cut the tube

Next thing is to cut the tube. During the process of delivery, tubes may get damaged at different points especially the edges. It is good practice to cut off these deformations 10mm away. The tube should be cut at 1/2" angle to the tube axis. Also, be sure to use the proper cutting equipment to ensure a smooth and straight cut. Cut-off saws and pipe cutters are not advisable.

Step 3: Clean the tube

You will need to clean the inner and outer surface of the tube to make sure it is free of particles or dirt. The clamping region needs to be free of oil or any grease. You can use a mild solvent to clean off oils if they exist.

Step 4: Apply the anti-bloc fett on the tube

Now, apply the grease to the connecting surfaces. You could use a brush or lint-free fabric to ensure it is evenly applied. Immediately after anti-bloc fett application, join the connecting surfaces, so that it does not get contaminated by dirt or debris.

What are the tightening torque values for the tubes?

Refer to the table shown below for the torque values for steel and stainless steel materials.

Series L

Tube OD (MM)	Steel (Nm)	Stainless Steel (1.4571) (Nm)
6	30	30
8	35	35
10	40	40
12	55	55
15	80	80
18	110	120
22	140	170
28	210	250
35	300	380
42	400	520

Series S

Tube OD (MM)	Steel (Nm)	Stainless Steel (1.4571) (Nm)
6	35	35
8	40	40
10	55	55
12	70	70
16	110	110
20	150	170
25	210	260
30	280	370
38	410	590

Chuan Kok Hardware & Machinery Pte Ltd

Address : 1783 Geylang Bahru, #01-02, Singapore 339708
Telephone Number : +65 6294 2566
Email Address : info@chuankok.com
Website : www.chuankok.com
Business Registration Number : 198201577Z
Country of Registration : Singapore

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