DUPLEX STAINLESS STEEL EYE BOLT



Refore every use, please read the Safety Instruction of the

PSA-Fall protection anchorage point (PSA-INOX-Evebolt M12/M16/M20) carefully and make sure that you understand all the content

Improper use or care of the PSA-Fall protection anchorage points can result in body injury or property damage and eliminates any warrantyl

1.application and waring information

points and inappropriate use can result in deadly injury or points before each use carefully!

PSA-Fall protection anchorage point (PSA-INOX-Evebolt M12)

with adequate knowledge To use PSA-Fall protection anchorage points, the user must be physically and psychologically healthy

2. Intended use of PSA-INOX-Eyebolt

PSA-INOX-Evebolt PSA-Fall protection anchorage points are intended for use as fall arrest anchors only and not for lifting purpose. When used as anchor points for fall protection harnesses, they (referred to also as PSA-Fall protection anchorage points hereinafter) can be permanently fixed to a PSA-Fall protection anchorage points are not designed to be

used for permanent swiveling under load, because they can turn loose when turned under load. Please observe the

PSA-INOX-Evebolt M12/M16/M20 are permissible for max.

PSA-Fall protection anchorage points are able to take all possible

occurring forces in any loading directions if used in the intended

way as far arrest protection devices. In consequence of the assembly method this product fulfills

the requirements as described in DIN EN795: 2012-10 and DIN Personal fall protection equipment - Type A anchor device

Fall protection anchorage device which includes when installed. either one or multiple stationary anchor point(s) and if for their fixing at the structure facility a stationary installed anchor point

3.Installation information

Capability of temperature usage:

the manufacturer only.

PSA-INDX-Evelor M12/M16/M20 can be used in the temperature range between -20°C up to 280°C PSA-Fall protection anchorage points must not be used in an environment that harsh chemical such as acids, alkaline solutions and vapors are present. Modification or repairing on the PSA-Fall protection anchorage

A plan must exist to accomplish rescue actions, including all kinds of possible emergencies occurring with the work. Store PSA-Fall protection anchorage points in a non-corrosive and dry environment. Proper maintenance and careful handing of them are essential to ensure workplace safety.

1 the material of the structure onto which the PSA - Fall protection anchorage points are installed should be capable of withstanding the force applied without causing the change of shape. The minimum thread engagement lengths of the bolts recommended are as follows:

=2 v M in aluminum allows

-2.5 x M for light metals of low strength

(M = size of thread, i.e.M16, means 16mm thread diameter) When used in light metals, nonferrous metals and grey cast iron or other materials the thread has to be chosen such a way that the WLL of the thread corresponds to the requirements of the

corresponding base material. 1.PSA - Fall protection anchorage points are standard supplied with a thread length of 1.5 x M. make sure that the tapped holes are providing enough depth.

2. The bolting location for the PSA - Fall protection anchorage points should be marked with paint. when installing the PSA - Fall protection anchorage points. the following principles should be adopted -if possible, use the protection anchorage points directly above the users in order to minimize the risks of trips, falls from height

 the connecting element must be free moveable. the connecting element must not be loaded over edges. 4.Always bolt the protection anchorage points on a flat surface. The maximum diameter of the countersunk threaded hole should be equal to the nominal diameter of the thread of screw 5. Drill the tapped blind holes deep enough so that the shoulder of the PSA-INOX-Evebolt M12/M16/M20 bolt sits properly on the plane surface. For holes without tapping, please refer to DIN

and swinging after tumble.

6.Marking of the PSA-INOX-Evebolt M12/M16/M20



7.PSA-INOX-Evebolt M12/M16/M20 must be able to turn by 360° around the bolt axle when its completely installed.

point, hand tightening of the bolt with an Allen key or a suitable tool, applied with normal hand force into the designed threaded hole is sufficient.

must be bolted in using a suitable torque wrench into the designer

threaded hole. The fastening torque value (+10%) can be taken

torque [Nm] DSA-M16 PSA-M20

Inspect PSA-Fall protection anchorage device regularly before each usage in regard of tightening, corrosion, wear, deformation etc.

Wrong assembled or damaged PSA-Fall protection anchorage injuries. PSA-Fall protection anchorage points must be inspected

If and doubt remains reparding the safe use of PSA-Fall protection anchorage points or if the lifting device has been stressed by a

For a body harness (belt type) in a fall protection system only harness belts according to FN 361 must be used. Hook connecting element of the selected harness system into the eye of PSA - Fall protection anchorage point and lock the connector

Improper use of the product, such as for lifting, may shorten its lifetime. Proper inspection and maintenance must be made in

dropped load, the use of the anchorages must be halted immediately

for safety reasons. They should not be used before proper actions.

Attention: PSA-Fall protection anchorage points M16/M20 are not

When assembling a harness system ensure all components are

If the fall arrest anchor device is used as a part of a fall protection

system, make sure the device is canable of withstanding a maximum.

dynamic force (i.e. the force generated when a falling load is arrested)

Eliminate any damage of the PSA-Fall protection anchorage point

The assembly of PSA - Fall protection anchorage point to a connection

element must be done by using connecting elements according

to EN362 (Grade B and M), which have to free moveable to all sides.

Any other grades are prohibited. Excepting: Grade T is allowed

depending on the shape; Carabiner hooks according to DIN 5290

PSA - Fall protection anchorage point M16/M20 can be combined

with hook clamps according to DIN EN 362 A under the following

the PSA-Fall protection anchorage points has to be adjustable

through 360° when fitted and completely installed

suited for permanent turning under load!

compatible with the pall protection device.

Hook clap must be freely moveable

conditions

If used under normal operational conditions, the anchorage points

accordance with Chapter 4. Inspection criteria.

a year. Additional inspections must also be made when necessary (e.g. when failures or special incidents occur) date, qualified inspector signature, checking period, etc. and fill out the checking result carefully and detailly for every regular inspection. Keep the inspection plan until the end of the product life.

For cleaning of PSA - Fall protection anchorage point use only

4.Inspection criteria



regular periods, after assembly and after special incidents: contact with the work piece. 2. The structural integrity of the PSA - Fall protection anchorage points 3.Complete, readability of the Working Load Limit (WLL) and the

4.Deformation on load bearing parts like basic body and bolt. 5.Mechanical damages, such as dents or, particularly where

6.Any sings of serious corrosion on the product.

2.The reduction of cross section area caused by wear is checked only if the abnormalities are visually noticeable. If so, the reduction of the cross sectional area must not be more than 10% of the original.

9. Function and damage of bolts and threads, if it's visible, 10. The product identification at the PSA - Fall protection anchorage point must be highly visible.

11 if necessary you can leave a mark at the component information about the latest and up coming inspection.



Dimensions mm Torque Weight

Metric Thread

5-2 Pers

PSANDKM18J-50 16x200 1-2Pers 50 35 14 16 50 35 34 80 56 10 65 30 0.48

PSANDXM20.40 20x250 1-29es 57 40 17 19 60 43 37 95 64 12 78 70 0.63

Unc Thread

PSANDKANS-120 16x200 1-29vs 50 35 14 1612035 34 80 56 10 65 30 0.56

ITEM NO. M Pers A B C D E F G H I S W Nm F0

PSANDK400 20x250 1-29es 57 40 17 19 30 43 37 9.5 64 12 78 70 0.6

PSANOKMI2J-50 12x1.75 1Pers 43 30 10 13 50 33 29 7.0 48 80 55 10 0.22

12x1.75 1Pers 43 30 10 13 18 33 29 70 48 80 55 10 02

16/200 1-29es 50 35 14 16 24 35 34 80 56 10 65 30 0.4

ITEM NO. M PHYS A R C D F F G H I S W NY NO.

PSANOX-1/2 1/2-13UNC-2A 1Pers 43 30 10 13 18 33 29 7/0 48 8/0 55 10 0/2

PSANOX58 59-11UN-2A 1-2Pers 50 35 14 16 24 35 34 80 56 10 65 30 0.4

PSANDX-3/4 3/4/10LNC-2A 1-2Pers 57 40 17 19 30 43 37 10 64 12 78 70 0.6