



Festec® Handy Hook

For controlled and safe lifting



Manufactured and tested according
NEN-EN-ISO 9001 & NEN-EN 13155

When lifting floating heads, flat covers or pressure rings, let the Festec® Handy Hook lift it safely.

- less damages
- controlled lifting
- precise mounting
- increased safety

The best job is a safe job!

During maintenance and cleaning jobs on horizontal heat-exchangers floating heads, flat covers and pressure rings have to be lifted frequently. However, in most of the cases there is no hoisting ring fixed on those parts, nor can be mounted.

In common practice therefore 2 stud-bolts are placed into bolt-holes and the part is lifted with a sling, lowered on the ground or mounted on the heat-exchanger.

This most dangerous working method frequently leads to near misses, accidents or severe injuries, due to

- ✗ damaged lifting slings caused by incorrect use
- ✗ stud-bolts sliding out of the bolt-holes

Furthermore this method often results in

- ✗ damaged packing faces
- ✗ damaged packing items
- ✗ leakage after plant start-up, due to mounting damaged parts and
- ✗ loss of time, money and production



The Festec® Handy Hook should be used from now on.



The Festec® Handy Hook has been developed to avoid these unsafe methods and

- is easy to use,
- requires no large investments,
- is safe to handle and
- enables top-quality maintenance jobs

In short, the Festec® Handy Hook replaces conventional unsafe working methods and is a must for mechanical plant maintenance technicians.

Compact and practical tool

The Festec® Handy Hook is a lifting device made of Fram Alloy steel. It consists of a hoisting shackle mounted with a hinge bolt on a bridge with two hinged bent lifting arms with one lifting pin and a chain with a cotter pin on each arm.

References

The Festec® Handy Hook is used successfully by a wide range of customers such as refineries, (petro-)chemical industries, (nuclear) power-plants, off-shore industry etc. as well as their contractors.



Using the Festec® Handy Hook

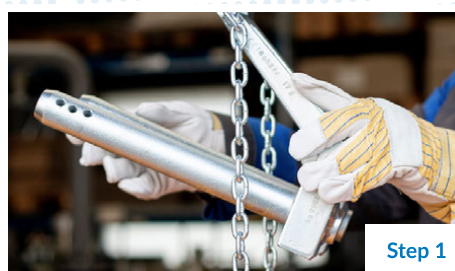
The pins of the Festec® Handy Hook are placed as deep as possible through the bolt-holes in the top of the cover, ring or floating head to be lifted and always to be secured with the cotter pins. The cotter pins are only removed after the lifted item has been lowered on the ground or mounted on the heat-exchanger with some stud-bolts. Due to the angle of the lifting arms the lifted item is tilted backwards. Thus the technician has an excellent view on gasket and packing face, when mounting the floating head, cover or ring, which helps to prevent damages to either of them.

For the right choice of size is referred to the Festec® Handy Hook selection table.
The Festec® Handy Hook is only suitable for horizontal heat-exchangers.

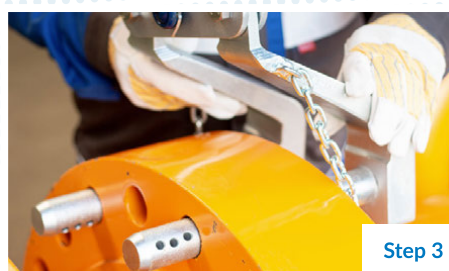
Quality tool

The safety improving Festec® Handy Hook is developed in co-operation with maintenance engineers in the field. Each Festec® Handy Hook is tested individually on twice the safe working load and delivered inclusive lifting certificate.

How to use the Festec® Handy Hook?



Step 1



Step 3



Step 2



Step 4

Technical information - Festec® Handy Hook

selection table														
	pin length in mm		pin diameter in mm											
	required*	total	19	22	25	28	30	32	35	38	45	50	55	60
capacity in kg part number	< 80	100	1.000 FHH-19100	1.500 FHH-22100	2.000 FHH-25100	3.000 FHH-28100	3.000 FHH-30100	3.000 FHH-32100	3.000 FHH-35100	3.000 FHH-38100	3.000 FHH-45100	3.000 FHH-50100	3.000 FHH-55100	3.000 FHH-60100
capacity in kg part number	81 - 110	130	750 FHH-19130	1.150 FHH-22130	1.700 FHH-25130	2.400 FHH-28130	2.900 FHH-30130	3.000 FHH-32130	3.000 FHH-35130	3.000 FHH-38130	3.000 FHH-45130	3.000 FHH-50130	3.000 FHH-55130	3.000 FHH-60130
capacity in kg part number	111 - 140	160	600 FHH-19160	900 FHH-22160	1.300 FHH-25160	1.850 FHH-28160	2.300 FHH-30160	2.800 FHH-32160	3.000 FHH-35160	3.000 FHH-38160	3.000 FHH-45160	3.000 FHH-50160	3.000 FHH-55160	3.000 FHH-60160
capacity in kg part number	141 - 170	190	500 FHH-19190	750 FHH-22190	1.100 FHH-25190	1.550 FHH-28190	1.900 FHH-30190	2.300 FHH-32190	3.000 FHH-35190	3.000 FHH-38190	3.000 FHH-45190	3.000 FHH-50190	3.000 FHH-55190	3.000 FHH-60190
capacity in kg part number	171 - 200	220	400 FHH-19220	600 FHH-22220	900 FHH-25220	1.300 FHH-28220	1.600 FHH-30220	1.950 FHH-32220	2.500 FHH-35220	3.000 FHH-38220	3.000 FHH-45220	3.000 FHH-50220	3.000 FHH-55220	3.000 FHH-60220
capacity in kg part number	201 - 230	250	350 FHH-19250	550 FHH-22250	800 FHH-25250	1.150 FHH-28250	1.400 FHH-30250	1.700 FHH-32250	2.200 FHH-35250	2.800 FHH-38250	3.000 FHH-45250	3.000 FHH-50250	3.000 FHH-55250	3.000 FHH-60250
capacity in kg part number	231 - 260	280	300 FHH-19280	500 FHH-22280	700 FHH-25280	1.000 FHH-28280	1.250 FHH-30280	1.500 FHH-32280	1.950 FHH-35280	2.500 FHH-38280	3.000 FHH-45280	3.000 FHH-50280	3.000 FHH-55280	3.000 FHH-60280
capacity in kg part number	261 - 290	310	250 FHH-19310	450 FHH-22310	650 FHH-25310	900 FHH-28310	1.100 FHH-30310	1.350 FHH-32310	1.750 FHH-35310	2.200 FHH-38310	3.000 FHH-45310	3.000 FHH-50310	3.000 FHH-55310	3.000 FHH-60310

*required pin length = length of bolthole / thickness of flange + 10 mm

Some heat-exchangers do have rather small bolt-hole diameters and therefore the S.W.L. of the corresponding Festec® Handy Hook might be insufficient. In order to double the S.W.L. one has to order 2 equal Festec® Handy Hooks plus belonging spreader beam, which item is to be ordered separately.

For ordering a spreader beam one has to add "-HHE" to the part number.

Ordering example

weight channel cover = 1.018 kg

thickness flange = 113 mm + 10 mm = required pin length = 123 mm

bolt-hole diameter = 21 mm

possible Festec® Handy Hook according selection table

S.W.L. FHH-19160

required minimum S.W.L. = 1.018 kg

S.W.L. 2 each Festec® Handy Hook FHH-19160 = 2 x 600 kg = 1.200 kg

Part number:

» total pin length = 160 mm

» pin diameter = 19 mm

» part number FHH-19160

» 600 kg

» double Festec® Handy Hook necessary!

» suitable!

FHH-19160-HHE

More information

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