TS – Bar & Plate
Oil / Air Cooler , 1T – Line

Connectors



Description

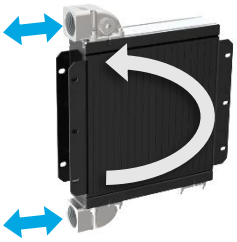
The patented asa Rail System is the world's first flexible mounting and connection system for air-cooled heat exchangers. Each port on the cooler can be set to one of three directions, and on every 1T Line cooler the oil flow can be configured as either U-flow or diagonal flow.

As standard, we offer BSP and UNF connectors in two sizes each, both of which are fitted with reliable NBR seals. Versions with HNBR seals are also available. Each set contains two connectors and a blind connector, providing all the components necessary for connecting the cooler.

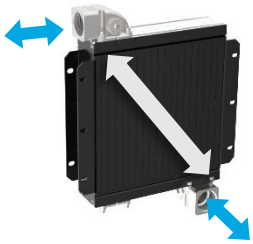


Possible oil flow directions with asa rail system!

"U-flow"



"diagonal-flow"

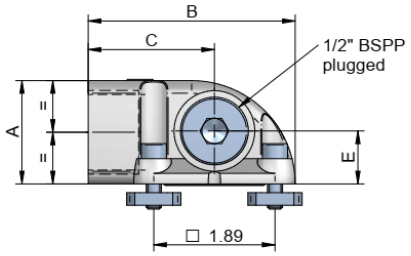


In- and outlet not on same side!

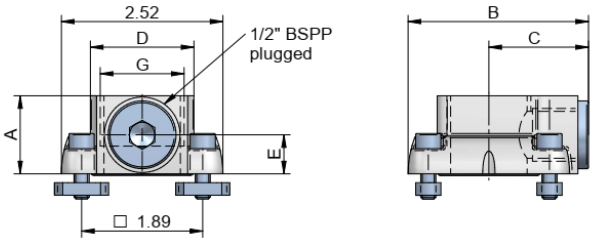


Dimensions

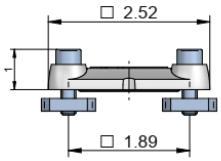
ported 90° connector



ported straight connector



blind connector



Technical Data with NBR-sealing

order number	description	o-ring	A	B	C	D	E	G	connection type	weight
			[in]	[in]	[in]	[in]	[in]			[lbs]
ILLZSET5U12U00	asa rail connector 90° UNF $1^{1}/_{16}$-12	NBR	1.71	3.23	1.97	1.77	0.83	UNF $1^{1}/_{16}$	2x 90°	2.10
ILLZSET5U16U00	asa rail connector 90° UNF $1^{5}/_{16}$-12		1.61	3.23	1.97	1.77	0.83	UNF $1^{5}/_{16}$	2x 90°	2.43
ILLZSET5U20U00	asa rail connector 90° UNF $1^{5}/_{8}$-12		1.97	3.46	2.20	1.97	0.83	UNF $1^{5}/_{8}$	2x 90°	2.87
ILLZSET5U16AU00	asa rail connector straight UNF $1^{5}/_{16}$-12		1.22	2.81	1.54	1.61	0.61	UNF $1^{5}/_{16}$	2x straight	1.50
ILLZSET5U16BU00	asa rail connector 90°+straight UNF $1^{5}/_{16}$-12							UNF $1^{5}/_{16}$	1x 90°, 1x straight	1.68
ILLZSET5U20AU00	asa rail connector straight UNF $1^{5}/_{8}$"		1.30	2.95	1.69	2.17	0.59	UNF $1^{5}/_{8}$	2x straight	1.63
ILLZSET5G25U00	asa rail connector 90° BSP 1"		1.61	3.23	1.97	1.77	0.83	BSP 1"	2x 90°	2.00
ILLZSET5G32U00	asa rail connector 90° BSP 1 ¼"		1.97	3.46	2.20	1.97	0.83	BSP 1 ¼"	2x 90°	2.30
ILLZSET5G25AU00	asa rail connector straight BSP 1"		1.22	2.64	1.38	1.61	0.59	BSP 1"	2x straight	1.50
ILLZSET5G25BU00	asa rail connector 90°+straight BSP 1"		See technical drawing					BSP 1"	1x 90°, 1x straight	1.70
ILLZSET5G32AU00	asa rail connector straight BSP 1 ¼"		1.30	2.95	1.69	2.17	0.59	BSP 1 ¼"	2x straight	1.63
ILLZSET5G32BU00	asa rail connector 90°+straight BSP 1 ¼"		See technical drawing					BSP 1 ¼"	1x 90°, 1x straight	1.96

This data sheet and the corresponding technical drawings serve solely as a general guideline and a technical overview of our products. Please contact us for additional information. We always try to keep the technical data up to date. However, due to constant development, no guarantee can be given for the correctness of the information (or printing errors). This applies to general properties such as dimensions, colors and weight. Any cooling performances and general technical values indicated in this catalogue are measured at a test benches according to asa testing procedures or calculated based on such tests and may therefore deviate from values obtained by test procedures from other manufacturers. The performance can vary by around +/- 15%. All information and calculation values are provided to the best of our knowledge, they do not represent intrinsic product properties and it is strongly recommended that the product is tested under the actual operating conditions. All drawings shown here are to be understood as schematic representations. For exact dimensions and the applicable tolerances, please ask for the corresponding scale drawings. Any form of liability is excluded for the information included in this datasheet. asa GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet and the corresponding scale drawings are not a substitute for the assembly, installation and operating instructions.

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TS – Bar & Plate
Oil / Air Cooler , 1T – Line

Technical Data with HNBR sealing

order number	description	o-ring	A	B	C	D	E	G	connection type	weight
			[in]	[in]	[in]	[in]	[in]			[lbs]
ILLZSET5G25HU00	asa rail connector 90° BSP 1" HNBR	HNBR	1.61	3.23	1.97	1.77	0.83	BSP 1"	2x 90°	2.43
ILLZSET5G32HU00	asa rail connector 90° BSP 1 ¼" HNBR		1.97	3.46	2.20	1.97	0.83	BSP 1 ¼"	2x 90°	2.30

Content

ported connector with plugged G ½"	2x
blind connector	1x
o-ring	3x
slot nut	12x
screw M6x20	12x

Fits On Cooler Types

all ASA 1T-Line coolers

One set per cooler



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