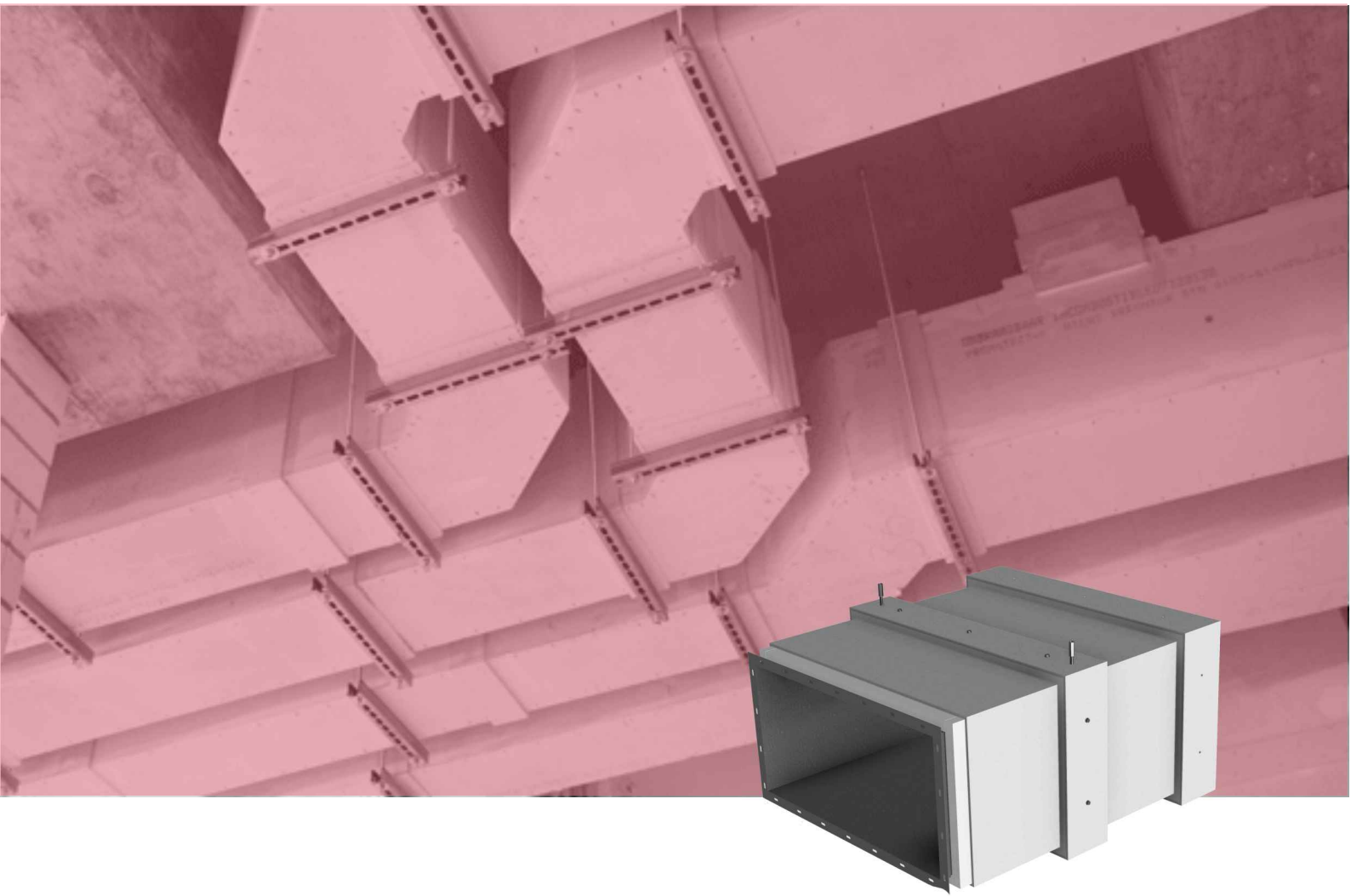


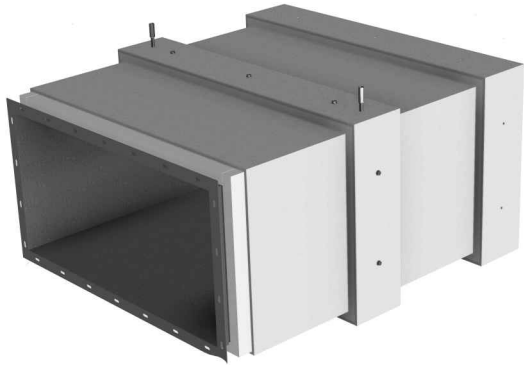
EI DUCT



Model:
SEID

QCVN 06:2021/BXD TEST PASSED

EI DUCT



DESCRIPTION

Insulated fire duct (EI) is a special product meeting very high standards.

Especially, in order to be accepted as official fire-protect application, the manufacturer must possess the licence issued by the concerning governmental agency.

SEID duct of Star Asia Jsc. is the product, that meet above requirement. Star Asia Jsc. possess the certificate No. 36/GXN-PCCC granted by Vietnam Fire and Rescue Police Department - Public Security Ministry and its product meet requirement of QCVN 03 2021/BCA - Technical Regulation to fire fighting and prevention equipment.

CONSTRUCTION

Material

- Duct body: galvanized steel sheet.
- Insulation board: 38mm ~ 96mm

Size

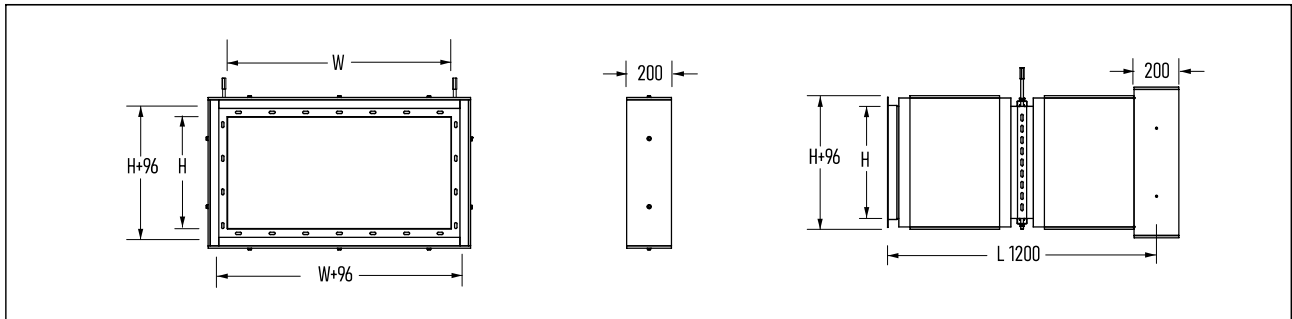
- See the table

Seam of metal body

- pittsburg, welded

Performance

- Class: EI 30 ~ EI 180



Thickness of thermal insulation

EI Class	Thickness (mm)	Density
EI - 30	38mm + 10	250 kg /m ³
EI - 45	38mm + 10	280 kg /m ³
EI - 60	38mm + 10	300 kg /m ³
EI - 90	38mm + 10	320 kg /m ³
EI - 120	48mm + 10	320 kg /m ³
EI - 180	96mm + 10	380 kg /m ³






ORDERING CODE

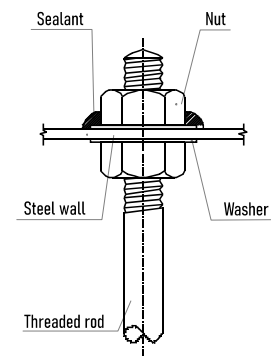
SEID - WxH - L - EI 30/45/60/90/120/180		
EI DUCT	Length	EI class
Dim.: Width x Height		

Thickness and reinforcement of metal body

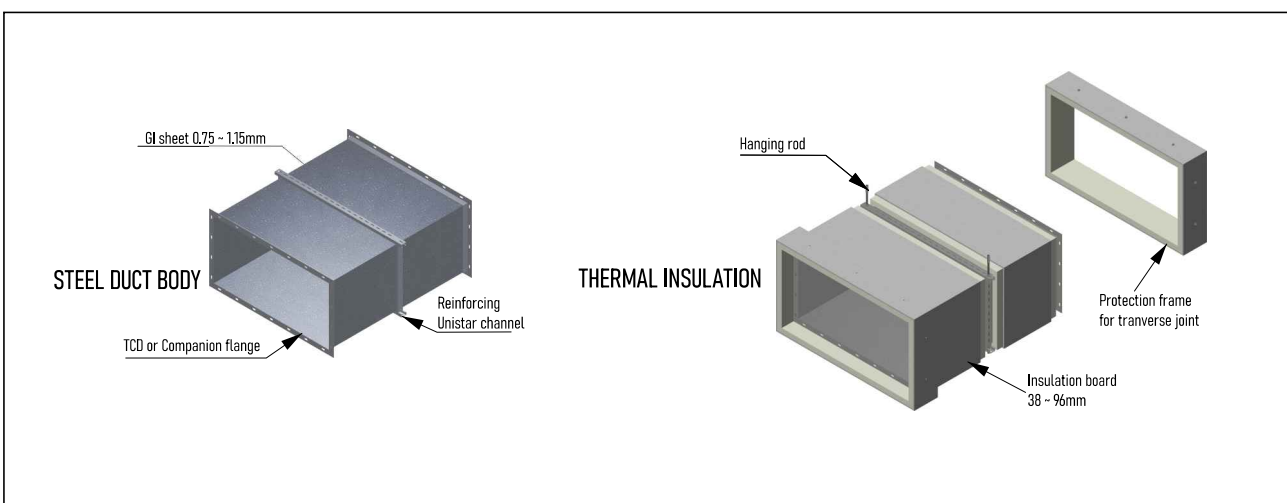
Width (mm)	Thickness (mm)	Hanger	Reinforced items
$W \leq 800$	0.75	U4121 - 1.5mm	-
$800 < W \leq 1000$	0.75	U4121 - 1.5mm	1 row of threaded rod
$1000 < W \leq 1500$	0.95	U4121 - 1.5mm	1 row of threaded rod
$1500 < W \leq 2500$	0.95	U4121 - 2.0mm	2 rows of threaded rod
$2500 < W \leq 3000$	1.15	U4121 - 2.0mm	3 rows of threaded rod
$3000 < W \leq 6000$	1.15	U4121 - 2.0mm	4 rows of threaded rod

Table of reinforcing by threaded rod

REF.	Size - Largest side of duct (mm)	Number of threaded rod std. 1200 mm
A	 < 750	-
B	 751 - 1000	1
C	 1001 - 1500	1
D	 1501 - 2250	2
E	 > 2251	3

Diameter of threaded rod


Length of the rod	Dia.
≤ 500 mm	M10
> 500 mm	M12

Detail construction of insulated fire duct


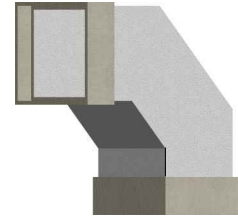
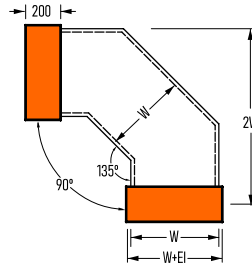
FITTINGS

Bend 90°

Including:

- 1 elbow (optional sizes)
- 2 EI connecting flanges

Dimensions are standardized by the producer

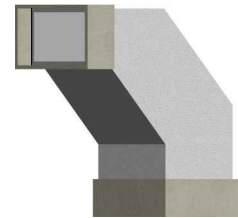
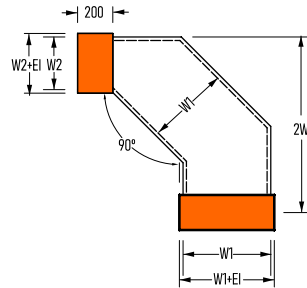


Reducing bend 90°

Including:

- 1 elbow (optional sizes)
- 2 EI connecting flanges

Dimensions are standardized by the producer

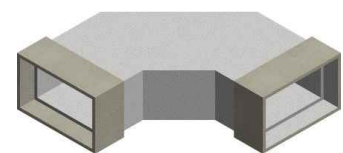
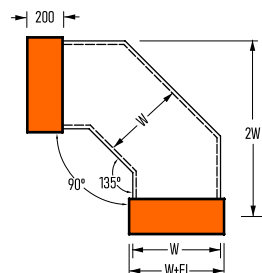


Elbow 90°

Including:

- 1 elbow (optional sizes)
- 2 EI connecting flanges

Dimensions are standardized by the producer

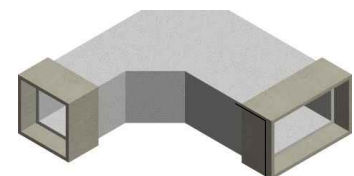
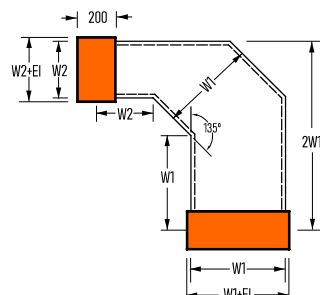


Reducing elbow 90°

Including:

- 1 elbow (optional sizes)
- 2 EI connecting flanges

Dimensions are standardized by the producer

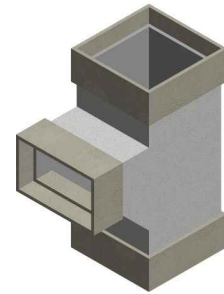
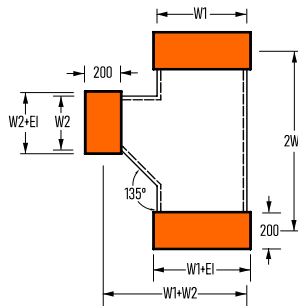


Vertical Tee piece

Including:

- 1 elbow (optional sizes)
- 2 El connecting flanges

Dimensions are standardized by the producer

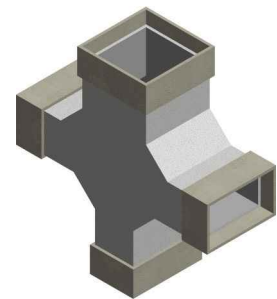
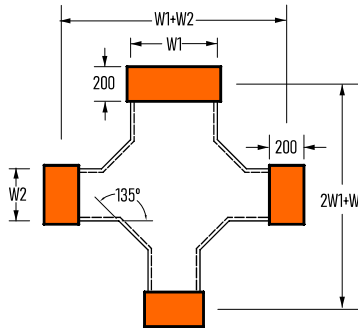


Vertical & horizontal cross piece

Including:

- 1 elbow (optional sizes)
- 2 El connecting flanges

Dimensions are standardized by the producer

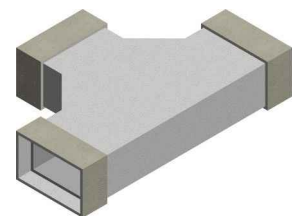
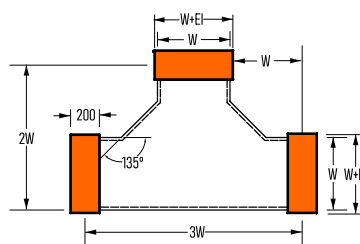


Horizontal Tee piece

Including:

- 1 elbow (optional sizes)
- 2 El connecting flanges

Dimensions are standardized by the producer

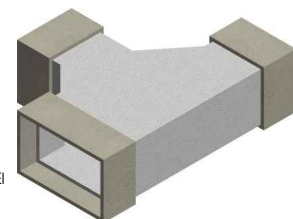
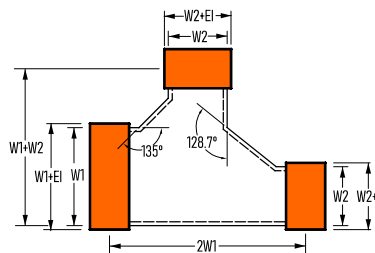


Reducing horizontal Tee piece

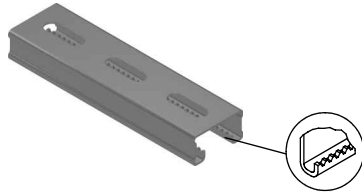
Including:

- 1 elbow (optional sizes)
- 2 El connecting flanges

Dimensions are standardized by the producer



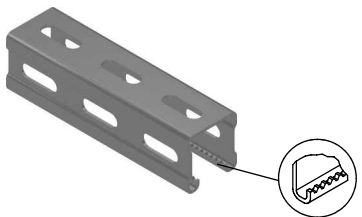
SUPPORTING ACCESSORIES



UNISTAR channel U4121
 Thickness 1.5mm
 Length per request
 Including end-cap



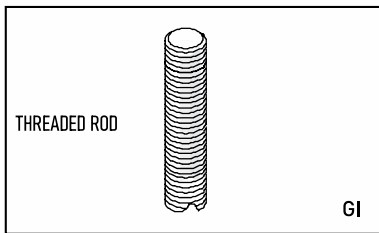
U4121 cantilever
 Wall mounted
 Including anchor bolt



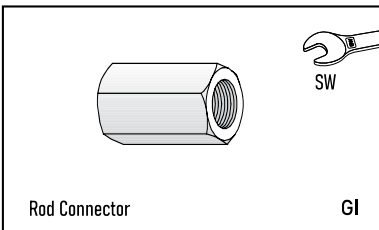
UNISTAR channel U4141
 Thickness 2.0-2.5mm
 Length per request
 Including end cap



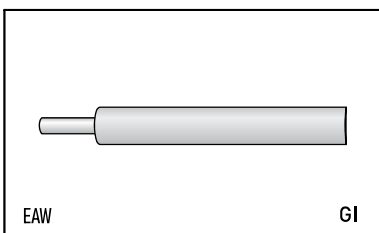
U4121 trapeze
 Ceiling mounted
 Including threaded rod



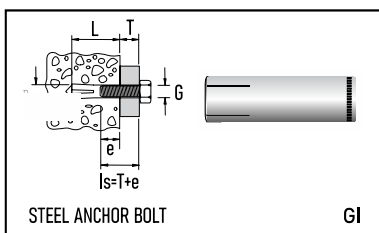
M6	M8	M10	M12	M16
M6 x 1M	M8 x 1M	M10 x 1M	M12 x 1M	M16 x 1M
M6 x 2M	M8 x 2M	M10 x 2M	M12 x 2M	M16 x 2M
M6 x 3M	M8 x 3M	M10 x 3M	M12 x 3M	M16 x 3M



Code	G	SW (mm)	L (mm)	Box
6334M6	M6	10	18	50
6334M8	M8	13	24	50
6334M10	M10	17	30	50
6334M12	M12	19	36	50
6334M16	M16	24	48	50



Code	Code
EAW H6	EAM6
EAW H8	EAM8
EAW H8 x 40	EAM8 x 40
EAW H10	EAM10
EAW H12	EAM12
EAW H16	EAM16
EAW H20	EAM20



Code	CLASS	D (mm)	L (mm)	Ø (mm)	G	e min. (mm)	e max. (mm)
EAM6	-	8	25	8	M6	6	11
EAM8	1.8kN	10	30	10	M8	8	13
EAM8 x 40	3.0kN	10	40	10	M10	8	13
EAM10	3.6kN	12	40	12	M12	10	17
EAM12	5.7kN	15	50	15	M16	12	18
EAM16	7.4kN	20	65	2	M18	16	21
EAM20	11.3kN	25	80	25	M20	20	30