



PRODUCT SPECIFICATIONS

DUAL-WALL EXHAUST FOR KOMATSU 960E-2 (QSK78)



DUAL-WALL EXHAUST UPGRADE FOR 960E-2

Aletek's dual-wall exhaust system is a direct-fit replacement for Komatsu 960E-2. An insulated middle layer reduces exhaust surface temperatures and removes the need to install thermal blankets on engine pipes.

- Impervious to fuels and oils
- Reduce surface temperatures below fuel flashpoints
- Flanges, clamps and mounts designed for minimal heat transfer
- Compatible with Cummins engine specs
- Exhaust pipes require dual-skin specific brackets and clamps
- Australian designed and made



Reduced surface temp

Dual layers with insulated inner

Direct-fit system

Ideal for fire mitigation

Extended product lifecycle

Australian made

Add blankets to turbos etc



Dual-wall exhaust pipes remove the need for blankets and related maintenance



Direct-fit to OEM turbo outlet and backed by our Direct-Fit Replacement Guarantee



Add blankets to engine pipes to mitigate engine fire risks



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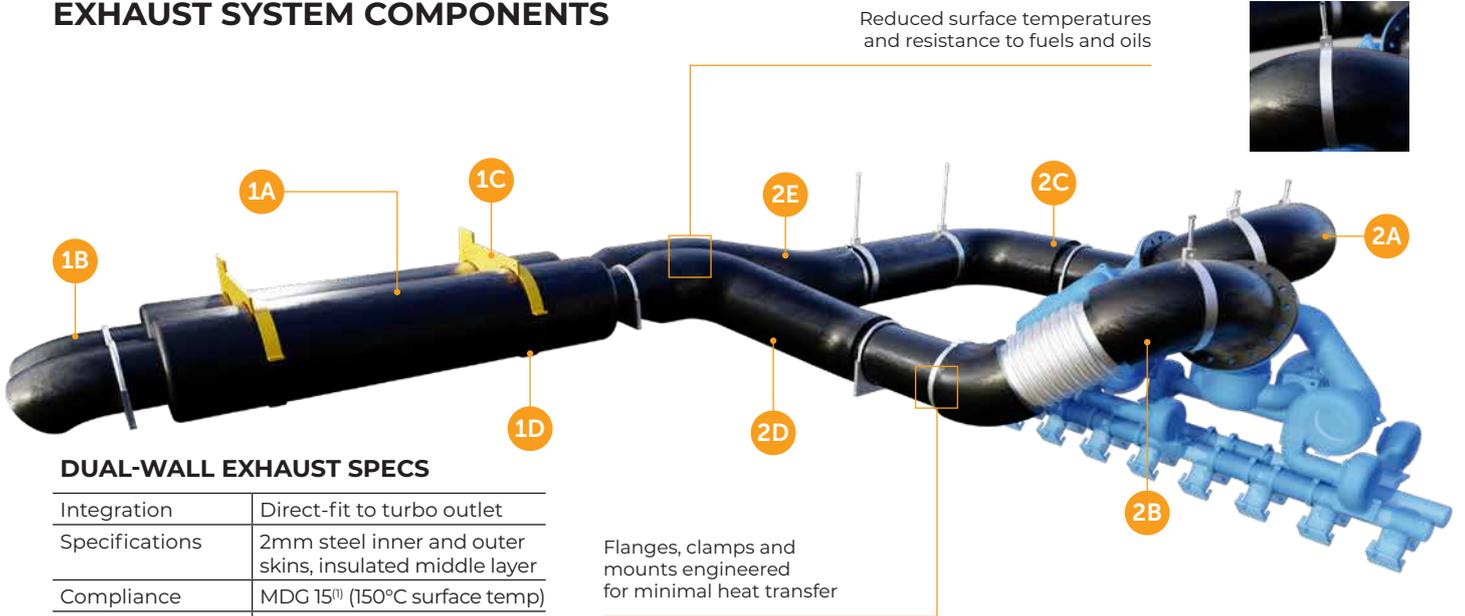
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EXHAUST SYSTEM COMPONENTS



DUAL-WALL EXHAUST SPECS

Integration	Direct-fit to turbo outlet
Specifications	2mm steel inner and outer skins, insulated middle layer
Compliance	MDG 15 ⁽¹⁾ (150°C surface temp)
Install Hardware	Dual-wall specific brackets and clamps (refer drawing)
Warranty	12-months*
Aletek Drawing	ALE-922

Flanges, clamps and mounts engineered for minimal heat transfer

Reduced surface temperatures and resistance to fuels and oils



1 MUFFLERS

Integration	Direct-fit
1A Muffler P/N	263-975
1B Tail Pipe P/N	258-383
1C Hanger P/N	215-294
1D Clamp P/N	283-701



2 ENGINE PIPES

2A E/Pipe P/N	239-907
2B E/Pipe P/N	202-166
2C E/Pipe P/N	262-168
2D E/Pipe P/N	269-467
2E E/Pipe P/N	282-205



3 CLAMPS & BRACKETS ⁽²⁾

3A Clamp P/N	238-119
3B Clamp P/N	249-179
3C Clamp P/N	260-369
3D V-Band P/N	320-996

⁽²⁾ Refer to ALE-922 for fittings & Hangers



EXHAUST PIPE COMPARISON

Attribute for comparison	Dual-Wall Exhaust	Direct-fit + Blankets	Direct-fit Exhaust	OEM Exhaust
Silica insulation between exhaust pipe layers?	Y	Silica with insulation	-	-
MDG 15 ⁽¹⁾ exhaust surface temperature compliant?	Y	Y	-	-
Direct-fit to turbo outlet?	Y	Y	Y	Y
Compatible with OEM brackets, clamps & fasteners?	Custom hardware ⁽²⁾	Y	Y	Y
Engine pipe blankets needed?	-	Y	Y	Y
Junction, turbo, manifold blankets required?	Y	Y	Y	Y

⁽¹⁾ MDG 15 Guideline for NSW ⁽²⁾ Supplied with dual-skin pipes

Mild steel outer wall

Silica insulation



Mild steel inner wall