PRODUCT SPECIFICATIONS

Welded Steel Grease Duct



Commercial kitchen exhaust ductwork

Commercial Kitchen Exhaust

Shop-fabricated raw steel grease duct sections and fittings for commercial kitchen exhaust systems requiring welded construction.

- Built for hood runs, risers, offsets, fan/curb transitions, shaft connections, and coordinated field-fit sections.
- Shop-fabricated sections are intended to be field welded, wrapped, installed, and accepted by others unless quoted otherwise.
- Access openings, drains, connection faces, wrap clearances, and AHJ-driven requirements should be identified before release.

MATERIAL	**16 ga Cold Rolled Steel**
WELDING	**MIG welded**
CONNECTION	**1/2" flanges**

Construction Standard

Application	Commercial kitchen grease exhaust ductwork, hood connections, vertical or horizontal runs, fan transitions, curb adapters, and custom welded fittings.
Standard material	16 gauge cold rolled steel, raw/unpainted, unless alternate material or gauge is quoted.
Welding process	Shop seams are typically MIG welded; final field joints and installed-system acceptance are by others unless expressly quoted.
Straight sections	Produced in 5'-0" nominal lengths, less end flange allowance. Shorter sections and coordinated field-fit pieces can be fabricated when required.
End preparation	1/2" flanges are standard for alignment and field welded assembly. Angle rings, companion flanges, and custom bolt patterns can be quoted when required.
Quality check	Weld seams receive visual inspection before release. Leak testing, pressure testing, NDT, or certified inspection are by others unless quoted.

Build Quality

Made to spec	**Built tough**	**Quality checked**	**Code coordinated**
Built from hood, fan, curb, shaft, and field dimensions.	16 ga raw steel construction for welded grease duct packages.	Shop welds receive visual inspection before shipment.	Access, drains, clearances, and wrap interfaces called out early.

Welded Steel Grease Duct

Fabrication Capabilities

Duct sections	Rectangular and round grease duct sections, field-fit pieces, risers, offsets, drops, and short sections.
Fittings	Rectangular and round elbows, radius bends, offsets, tapers, reducers, transitions, branches, and tees.
Connections	Grease duct systems typically require fully welded connections. Hood collars, fan transitions, curb adapters, shaft/wall connections, and roof penetration fittings are available.
Field-fit work	Short sections, custom lengths, piece-marked runs, and coordinated connection faces.
Shop details	Tabs, brackets, companion flanges, and special flange details when requested.
Release support	Built from released drawings or verified field dimensions with piece marks, drain or access locations, and connection faces coordinated before fabrication.

Material Notes

Raw steel

16 ga cold rolled steel is typical and is supplied raw/unpainted unless another material, coating, or finish is quoted.

Code-driven layout

Access doors, cleanouts, drains, clearances, and wrap interfaces should be located by project design, code requirements, and AHJ direction.

Field welded system

Legacy fabricates the duct package; installation, field welding, fire wrap, and final listed-system acceptance are by others unless specifically included.

Connection Options

Raw ends
Field fit-up
Raw ends can be provided for field trim and welded assembly.

1/2" flange
Alignment flange
1/2" flanges help align sections before field welding.

Angle rings
Fan / curb match
Angle rings and bolt patterns can match fan, curb, or equipment details.

Companion
Quoted hardware
Companion flanges, tabs, brackets, and special connection details can be quoted.

Optional Accessories

Access

Access doors, cleanout openings, inspection panels, and drain fittings located by design/AHJ requirements.

Transitions

Hood collars, fan transitions, curb adapters, shaft/wall connections, and roof penetration fittings.

Flex connectors

Duro Dyne white Teflon flexible connections where required and allowed by the project design.

Custom details

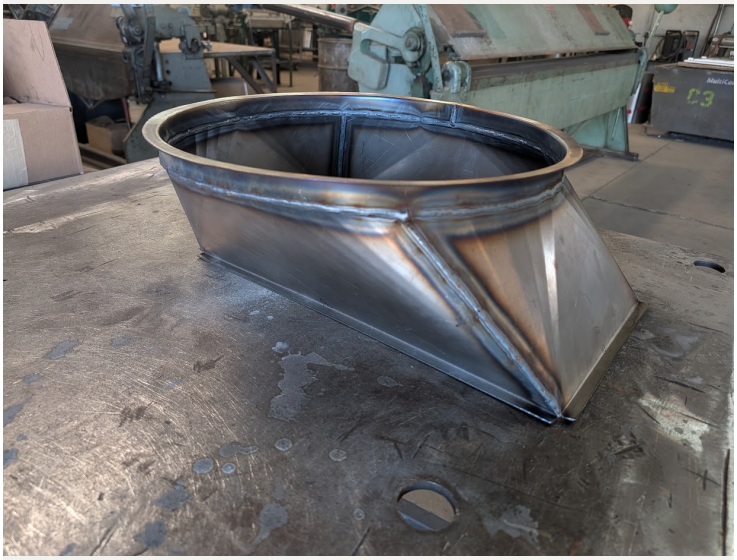
Companion flanges, angle rings, custom bolt patterns, tabs, brackets, drains, and piece marks.

Required for Quote / Release

- Duct size, material, quantity, required nominal or field-fit lengths, and approved release dimensions.
- Hood, fan, curb, shaft, or wall connection details with airflow/orientation noted.
- Flange type, bolt pattern, companion flange needs, and connection face details.
- Access door or cleanout locations required by design, code, or AHJ direction.
- Piece marks, drain fittings, special hardware, wrap interface, clearances, and any testing requirements.

Welded Steel Grease Duct

Applications & details



Continuous welded seams

Grease duct fittings are shop welded for field-welded commercial kitchen exhaust systems, with weld details coordinated to the release. Continuous welded construction supports the project-specific path from hood connections through shafts, offsets, and rooftop transitions.

Applications & details



Construction Standard

Risers, offsets, and fittings

Round sections, elbows, offsets, transitions, and custom fittings can be built for hood-to-fan duct runs. Fitting geometry, access locations, drain provisions, connection faces, and field-weld allowances should be coordinated before fabrication.

Welded Steel Grease Duct

Applications & details



Construction Standard

Duct drops and transitions

Confirm hood, fan, curb, shaft, drain, wrap clearance, access openings, and connection faces before release. Final system design, listed wrap or enclosure, clearances, supports, field welding, testing, and inspection remain by others unless quoted.

Not Included Unless Quoted

- Installation, field welding, hoisting, rigging, roofing, or roof penetration work.
- Fire wrap, fire-rated enclosure, insulation, engineering, permits, inspections, or listed-system certification.
- Leak testing, pressure testing, gaskets, sealant, companion flanges, special hardware, or rework from changed release dimensions unless quoted.

Scope & Responsibility

Code note: NFPA 96, applicable codes, project specifications, listing requirements, and AHJ direction govern the completed system. Legacy fabricates to released dimensions and quoted scope. System design, installation, field welding, clearances, access spacing, wrapping, and acceptance remain by others unless quoted.

Ready to Quote?

Let's get your project moving.

Send drawings, sketches, photos, or field measurements. Legacy is ready to go to work for you.

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