



Black Steel *Duct*

Index Black Steel Ducts



Introduction

Index Offer Welded Duct In Black Steel For Special Application For Commercial Kitchen Extract And Smoke Extract Application ,These Ducts Are Manufactured From Various Thickness Up To 4 Mm In Rectangular And Up To 3Mm In Round Duct Having Longitudinal And Transverse Connection With Fully Welded Water Tight Joints. End Connection Are Flange Steel Angle Welded In Duct Body

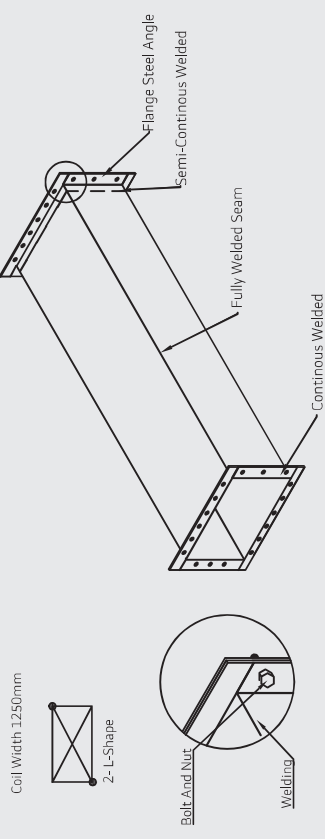
Black Steel Ducting

Mild Steel Ducts (Ms Ducts) Are Fabricated From Hot Rolled Or Cold Rolled Black Steel Sheets With Fully Welded Construction To Achieve Leak Proofing. Ms Ducting Is Made From The High Quality Mild Steel Which Contains 0.160.29- % Carbon.this Composition Ensures That The Material Is Neither Ductile Nor Brittle. Ms Ducts Are Mainly Used For Kitchen Exhaust Because Of Its Inherently Fire Resistance Characteristic.the Fire Resistance Characteristic Of Ms Ducts Can Be Further Enhanced By Fir Rated Spray Coat Or Painted With Multiple Coat Of Red Oxide Along With Rock Wool Insulation Conforming To Nfpa 96 Standards

Duct Fabrication

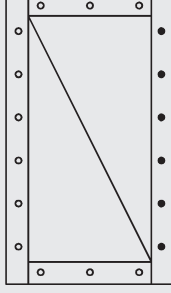
- Thickness Up To 4Mm In Rectangular Ducts And 3Mm In Round Duct.
- All Seams, Joints Penetrations To Have Continuous External Welds And Welding Type Is Mig (Cot) Welding).
- Flange Steel Angles Have Average Range From 25X25mm To 60X60mm. flange Selected By Large Dimension Of Duct. Holes Of Frame Flange Are Slots (10X15 Mm) Spaced By 100:210 Mm.
- Rectangular Ducts Size Ranges From 100X100 Mm To 2500X2500 Mm.
- Round Ducts Size Ranges From 600 Mm To 2000 Mm.
- Standard Straight Duct Length Is 1250 Mm

Black Steel Rectangular Ducting

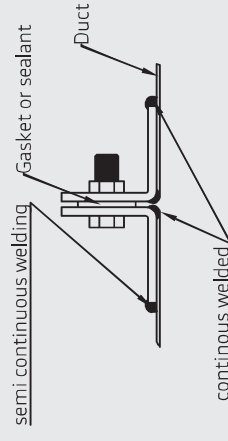


Flange steel angle

- Fixing bolts at each corner intermediately centered at 150mm



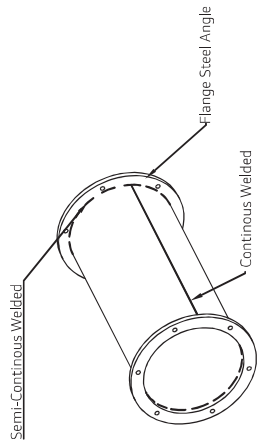
Flange Cross Joint



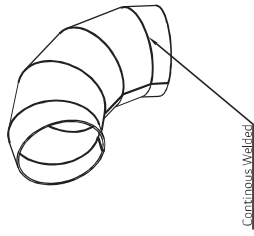
| Flange Steel Angles | |
|---------------------|-----------|
| Dimensions | Bolts DIM |
| 25X25X3mm | 8 mm |
| 30X30X3mm | 8 mm |
| 40X40X4mm | 8 mm |
| 50X50X5mm | 10 mm |
| 60X60X6mm | 12 mm |

Black Steel Round Ducting

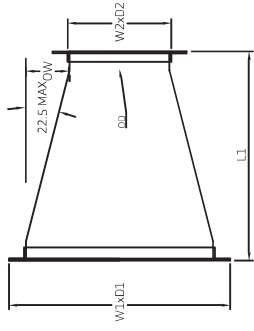
Straight Round



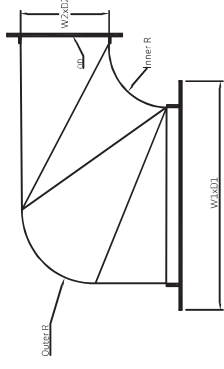
Round Elbow



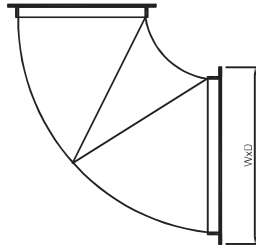
Taper



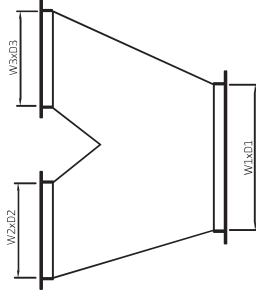
Master Bend



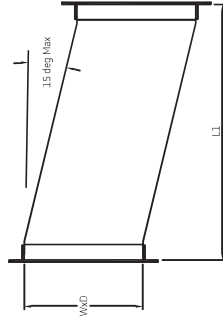
Drop Cheek Bend



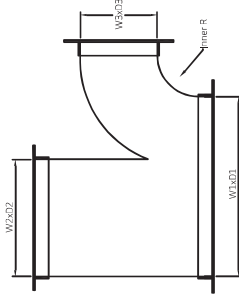
Trousers Piece



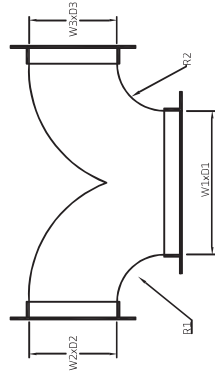
Angled Offset



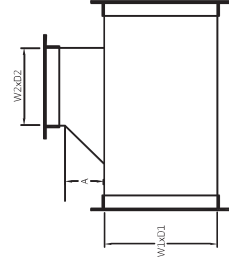
2-Way Breeches



Breeches Piece



Street + Branch



| Flange Steel Angles | |
|---------------------|--------------|
| Minimum | Spacing (mm) |
| up to 200 | 75 |
| up to 300 | 100 |
| up to 400 | 125 |
| up to 600 | 150 |
| over 600 | 200 |