

Elbow 40 45°, Rp 3/8 IT,R 3/8 ET black malleable iron fitting - Riegler 133604

Item no. RGL-133604

Manufacturer Riegler

EAN 4047322479684

Elbow 40 45°, Rp 3/8 IT,R 3/8 ET black malleable iron fitting

TECHNICAL DATA

Country of Manufacture	China
Material	black malleable cast iron B350-10 design symbol A
Norm	DIN EN 10242
Pneumatic connection	Rp3/8 IG
Thread	Rp 3/8 IG
Thread 2	R 3/8 AG
Thread standard	ISO 7-1
Weight	0.049 kg
Zolltarifnummer	73071910



STANDARDS & COMPLIANCE

ISO 7-1 DIN EN 10242

DESCRIPTION

Elbow 40, 45°, Rp 3/8 IT, R 3/8 ET, black malleable iron fitting, Operating temp. -20 °C to 300 °C, ISO 7-1 According to DIN EN 10242 (previously 2950). Malleable iron cast fittings in black steel, non-galvanized, is the classic fitting series in connection series in piping construction. Our malleable iron cast fittings are characterized by high mechanical strength and standardized fitting technology. Working minimal temperature = -20 °C, 25 bar. Working pressure for temperature range from -20 °C to 120 °C: 25 bar. Working pressure for temperature range from 120 °C to 300 °C: 20-25 bar.

TECHNICAL DATA

Min. temperature range -20 °C

Max. temperature range 300 °C

Material black malleable iron B350-10, design symbol A

Surface black

Thread 1 Rp 3/8 IT

Thread 2 R 3/8 ET

STANDARDS AND ORIGIN

- Standard thread: ISO 7-1
- Customs tariff number: 73071910
- Country of origin: CN

ABOUT BENDS 90° AND 45°

Elbows turn a threaded pipe run through 90° or 45° without bending or welding. Thread sizes run from Rp 1/4 female up to Rp 3 female, which covers small branch lines as well as main runs. All 109 items use ISO 7-1 threads.

WHAT MATTERS WHEN CHOOSING

- Thread 1 defines the size and runs from Rp 1/4 female to Rp 3 female. It follows the nominal bore of the connected pipe rather than the space available.
- Thread 2 determines the body style. Versions with R 3/8 male to R 2 male give the female/male transition elbow, two female threads from Rp 1/2 to Rp 1 1/2 give the plain connecting elbow between two nipples.
- The angle follows the routing. Use 90° for a tight change of direction, 45° where the turn should be flatter or where two elbows form an offset.
- The whole series uses ISO 7-1 threads. Parts with parallel threads cannot be screwed in directly and need an adapter.
- The material is black malleable cast iron B350-10 Design Symbol A throughout. A different material class, for drinking water for example, calls for a different fitting series.

TYPICAL APPLICATIONS

- Changes of direction in threaded compressed air ring mains in workshops and production
- Pipework at compressor stations and air treatment units
- Plant construction with threaded pipe where welded bends are not an option
- Water and heating lines in commercial buildings
- Retrofits and rebuilds of existing lines, since the joint can be undone again

All 109 items are made of black malleable cast iron B350-10 Design Symbol A with threads to ISO 7-1. The stated country of origin is CN.