



Grooved elbows provide an economical and efficient method of changing direction in grooved piping systems

Reference		Nominal size		Pipe Ø O.D.	Grooved elbow 45° dimensions				Weight
Red	Galva	NPS inch	DN mm	mm	L mm	A mm	B mm	C mm	kg
GB45R	GB45G	1	25	33,7	45	15,9	7,9	30,2	0,22
GB45R	GB45G	1¼	32	42,4	45	15,9	7,9	39,0	0,30
GB45R	GB45G	1½	40	48,3	45	15,9	7,9	45,1	0,34
GB45R	GB45G	2	50	60,3	51	15,9	7,9	57,2	0,56
GB45R	GB45G	2½	65	76,1	62	15,9	7,9	72,3	0,96
GB45R	GB45G	3	80	88,9	70	15,9	7,9	84,9	1,15
GB45R	GB45G	4	100	114,3	76	15,9	9,5	110,1	1,81
GB45R	GB45G	5	125	139,7	83	15,9	9,5	135,5	2,70
GB45R	GB45G	6	150	168,3	89	15,9	9,5	164,0	3,83
GB45R	GB45G	8	200	219,1	108	19,1	11,1	214,4	6,46
GB45R	GB45G	10	250	273,0	121	19,1	12,7	268,3	12,38

Material specifications

Housing: ductile iron conform to ASTM A536 GR 65-45-12

Coating:

- Hot dip galvanized
- Red paint coating RAL 3000, EPD Epoxy coating

Working pressure

300 PSI/2068 kPa

General notes:

- Pressure ratings listed are CWP (cold working pressure) or maximum working pressure within the service temperature range of the gasket used in the coupling. This rating may occasionally differ from maximum working pressure listed and/or approved by UL and/or FM, as testing conditions and test pipes differ. For more information, please contact info@profitfittings.eu.
- Maximum working pressure listed is total of internal and external pressures, based on standard weight (ANSI) steel pipe and standard roll or cut groove, in accordance with Profit specifications. For more information, please contact info@profitfittings.eu.
- For one time field test only, the maximum joint working pressure may be increased one and a half times the figure shown.
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and/or removal of any components.
- Profit reserves the right to change specifications, designs and/or standard equipment without notice and without incurring in any obligations.
- Profit red coated products are intended for piping with indoor application (EN 12944-2 corrosivity category C1 & C2). For outdoor installations near the sea (corrosivity category C3) we advise to use our hot dip galvanized couplings and fittings. For application in corrosivity category C4 (higher salinity climate) or higher, please contact info@profitfittings.eu.
- We strongly advise to always store our products in closed and dry warehouses.