



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	Marking
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	45S
GB45R	GB45G	1¼	32	42,4	45	15,9	7,9	39,0	0,30	45S
GB45R	GB45G	1½	40	48,3	45	15,9	7,9	45,1	0,34	45S
GB45R	GB45G	2	50	60,3	51	15,9	7,9	57,2	0,56	GB45
GB45R	GB45G	2½	65	73,0	62	15,9	7,9	69,1	0,80	GB45
GB45R	GB45G	2½	65	76,1	62	15,9	7,9	72,3	0,96	GB45
GB45R	GB45G	3	80	88,9	70	15,9	7,9	84,9	1,15	GB45
GB45R	GB45G	4	100	108,0	76	15,9	9,5	103,7	-	GB45*
GB45R	GB45G	4	100	114,3	76	15,9	9,5	110,1	1,81	GB45
GB45R	GB45G	5	125	133,0	83	15,9	9,5	129,1	-	GB45*
GB45R	GB45G	5	125	139,7	83	15,9	9,5	135,5	2,70	GB45
GB45R	GB45G	5	125	141,3	83	15,9	9,5	137,0	3,10	GB45
GB45R	GB45G	6	150	159,0	89	15,9	9,5	154,5	-	GB45*
GB45R	GB45G	6	150	165,1	89	15,9	9,5	160,9	3,66	GB45
GB45R	GB45G	6	150	168,3	89	15,9	9,5	164,0	3,83	GB45
GB45R	GB45G	8	200	219,1	108	19,1	11,1	214,4	6,46	GB45
GB45R	GB45G	10	250	273,0	121	19,1	12,7	268,3	12,38	GB45
GB45R	GB45G	12	300	323,9	135	19,1	12,7	318,3	14,65	GB45L
GB45R	GB45G	14	350	356,0	-	-	-	-	25,50	GB45L**

Material specifications

Housing: ductile iron in accordance with ASTM A536 GR 65-45-12

Coating:

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

Working pressure

300 PSI/2068 kPa/20,7 barg

General notes:

- * No UL-approval / ** No FM- and UL-approval.
- Pressure ratings listed are CWP (cold working pressure) or MWP (maximum working pressure) at a maximum service temperature of 50°C. This rating may occasionally differ from maximum working pressure listed and/or approved by UL and/or FM, as testing conditions and test pipes can differ. For more information, please contact info@pipinglogistics.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@pipinglogistics.eu.
- For one time field test only, the maximum joint working pressure may be increased by 150% 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 the use of our hot dip galvanized couplings and fittings. For application in corrosivity category C4 (higher salinity climate) or higher, please contact info@pipinglogistics.eu.
- We advise to always store our products in closed and dry environments.