

Angle fittings




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Screw-in elbows with female and male threads (forged)				up to 150 bar	
Type 16 bar brass nickel-pl.	Type 16 bar brass	Type 150 bar AISI 316L		Thread male	Thread female
WE 50 MSV	---	---		M 5	M 5
WE 18 MSV	WE 18 MS*	WE 18 MD ES		R 1/8"	G 1/8"
WE 14 MSV	WE 14 MS*	WE 14 MD ES		R 1/4"	G 1/4"
WE 38 MSV	WE 38 MS**	WE 38 MD ES		R 3/8"	G 3/8"
WE 12 MSV	WE 12 MS**	WE 12 MD ES		R 1/2"	G 1/2"
WE 34 MSV	WE 34 MS**	---		R 3/4"	G 3/4"
WE 10 MSV	WE 10 MS**	---		R 1"	G 1"
---	WE 114 MS	---		G 1 1/4"	G 1 1/4"
---	WE 112 MS	---		G 1 1/2"	G 1 1/2"
---	WE 20 MS	---		G 2"	G 2"
---	WE 212 MS	---		G 2 1/2"	G 2 1/2"
---	WE 30 MS	---		G 3"	G 3"

* design as for MSV, ** male thread: G



Screw-in elbows with female and male threads (cast)					up to 25 bar	
Type 10 bar AISI 316 	Type 16 bar AISI 316 	Type 25 bar mall. cast iron galv.	Thread male	Thread female	Type 16 bar AISI 316 	Thread male/female
WE 18 ES E	WE 18 ES	---	R 1/8"	Rp 1/8"	WE 18 ES-NPT	NPT 1/8"
WE 14 ES E	WE 14 ES	WE 14 ST	R 1/4"	Rp 1/4"	WE 14 ES-NPT	NPT 1/4"
WE 38 ES E	WE 38 ES	WE 38 ST	R 3/8"	Rp 3/8"	WE 38 ES-NPT	NPT 3/8"
WE 12 ES E	WE 12 ES	WE 12 ST	R 1/2"	Rp 1/2"	WE 12 ES-NPT	NPT 1/2"
WE 34 ES E	WE 34 ES	WE 34 ST	R 3/4"	Rp 3/4"	WE 34 ES-NPT	NPT 3/4"
WE 10 ES E	WE 10 ES	WE 10 ST	R 1"	Rp 1"	WE 10 ES-NPT	NPT 1"
WE 114 ES E	WE 114 ES	WE 114 ST	R 1 1/4"	Rp 1 1/4"	WE 114 ES-NPT	NPT 1 1/4"
WE 112 ES E	WE 112 ES	WE 112 ST	R 1 1/2"	Rp 1 1/2"	WE 112 ES-NPT	NPT 1 1/2"
WE 20 ES E	WE 20 ES	WE 20 ST	R 2"	Rp 2"	WE 20 ES-NPT	NPT 2"
---	WE 212 ES	WE 212 ST	R 2 1/2"	Rp 2 1/2"	---	---
---	WE 30 ES	WE 30 ST	R 3"	Rp 3"	---	---
---	WE 40 ES	WE 40 ST	R 4"	Rp 4"	---	---

type 1/G4 long type 1a/D4 short



Elbows 90° with female and male threads						PN 25	
Materials: Malleable cast iron galvanised							
Type long (1)	L	H	Type short (1a)	L	H	Thread	
BO 14 iA ST	40	36	---	---	---	Rp 1/4"	
BO 38 iA ST	48	42	---	---	---	Rp 3/8"	
BO 12 iA ST	55	48	BO 12 iAK ST	45	45	Rp 1/2"	
BO 34 iA ST	69	60	BO 34 iAK ST	50	50	Rp 3/4"	
BO 10 iA ST	85	75	BO 10 iAK ST	63	63	Rp 1"	
BO 114 iA ST	105	95	BO 114 iAK ST	76	76	Rp 1 1/4"	
BO 112 iA ST	116	105	BO 112 iAK ST	85	85	Rp 1 1/2"	
BO 20 iA ST	140	130	BO 20 iAK ST	102	102	Rp 2"	
BO 212 iA ST	176	165	---	---	---	Rp 2 1/2"	
BO 30 iA ST	205	190	---	---	---	Rp 3"	



Elbow connections				PN 16	
Type brass nickel-plated	Type brass	Type aluminium	Type AISI 316Ti		Thread
GL 50 MSV	GL 50 MS	GL 50 A	GL 50 ES		M 5
GL 18 MSV	GL 18 MS	GL 18 A	---		G 1/8"
GL 14 MSV	GL 14 MS	GL 14 A	---		G 1/4"
GL 38 MSV	GL 38 MS	GL 38 A	---		G 3/8"
GL 12 MSV	GL 12 MS	GL 12 A	---		G 1/2"



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.