Angle fittings

Angles 90° with female threads (forged) — up to 150 bar

Type 16 bar brass nickel-pl.	Type 16 bar brass	Type 150 bar AISI 316L INOX	Thread
W 50 MSV	---	---	M5
W 18 MSV	W 18 MS*	W 18 MD ES	G 1/8"
W 14 MSV	W 14 MS	W 14 MD ES	G 1/4"
W 38 MSV	W 38 MS	W 38 MD ES	G 3/8"
W 12 MSV	W 12 MS	W 12 MD ES	G 1/2"
W 34 MSV	W 34 MS	---	G 3/4"
W 10 MSV	W 10 MS	---	G 1"
---	W 114 MS	---	G 1 1/4"
---	W 112 MS	---	G 1 1/2"
---	W 20 MS	---	G 2"

* design as for MSV

Angles 90° with female threads (cast) — up to 25 bar

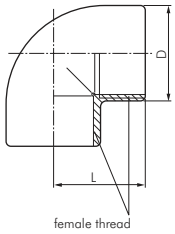
Type 10 bar AISI 316 INOX	Type 16 bar AISI 316 INOX	Type 25 bar mall. cast iron galv.	Thread	Type 16 bar AISI 316 INOX	Thread
Standard					
W 18 ES E	W 18 ES	---	Rp 1/8"	W 18 ES NPT	NPT 1/8"
W 14 ES E	W 14 ES	W 14 ST	Rp 1/4"	W 14 ES NPT	NPT 1/4"
W 38 ES E	W 38 ES	W 38 ST	Rp 3/8"	W 38 ES NPT	NPT 3/8"
W 12 ES E	W 12 ES	W 12 ST	Rp 1/2"	W 12 ES-NPT	NPT 1/2"
W 34 ES E	W 34 ES	W 34 ST	Rp 3/4"	W 34 ES-NPT	NPT 3/4"
W 10 ES E	W 10 ES	W 10 ST	Rp 1"	W 10 ES-NPT	NPT 1"
W 114 ES E	W 114 ES	W 114 ST	Rp 1 1/4"	W 114 ES-NPT	NPT 1 1/4"
W 112 ES E	W 112 ES	W 112 ST	Rp 1 1/2"	W 112 ES-NPT	NPT 1 1/2"
W 20 ES E	W 20 ES	W 20 ST	Rp 2"	W 20 ES-NPT	NPT 2"
---	W 212 ES	W 212 ST	Rp 2 1/2"	---	---
---	W 30 ES	W 30 ST	Rp 3"	---	---
---	W 40 ES	W 40 ST	Rp 4"	---	---
Reduced					
---	---	W 1238 ST	Rp 1/2" / Rp 3/8"	---	---
---	---	W 3412 ST	Rp 3/4" / Rp 1/2"	---	---
---	---	W 1012 ST	Rp 1" / Rp 1/2"	---	---
---	---	W 1034 ST	Rp 1" / Rp 3/4"	---	---
---	---	W 11410 ST	Rp 1 1/4" / Rp 1"	---	---
---	---	W 112114 ST	Rp 1 1/2" / Rp 1 1/4"	---	---
---	---	W 20112 ST	Rp 2" / Rp 1 1/2"	---	---

Elbows 90° with female threads — PN 25

Materials: Malleable cast iron galvanised

Type long (2)	L	Type short (2a)	L	Thread
BO 14 i ST	40	---	---	Rp 1/4"
BO 38 i ST	48	---	---	Rp 3/8"
BO 12 i ST	55	BO 12 iK ST	45	Rp 1/2"
BO 34 i ST	69	BO 34 iK ST	50	Rp 3/4"
BO 10 i ST	85	BO 10 iK ST	63	Rp 1"
BO 114 i ST	105	BO 114 iK ST	76	Rp 1 1/4"

Type long (2)	L	Type short (2a)	L	Thread
BO 112 i ST	116	BO 112 iK ST	85	Rp 1 1/2"
BO 20 i ST	140	BO 20 iK ST	102	Rp 2"
BO 212 i ST	176	---	---	Rp 2 1/2"
BO 30 i ST	205	---	---	Rp 3"
BO 40 i ST	260	---	---	Rp 4"



Threaded angles PVC-U (for plastic threads only) — PN 10

Note: • Do not use PVC-U damaging thread seals!

Warning: Not suitable for compressed air or other gases under pressure!

Type	Thread	External Ø D	Installation length L
W 38 PVC	Rp 3/8"	23.5	23
W 12 PVC	Rp 1/2"	28.0	25
W 34 PVC	Rp 3/4"	34.0	30
W 10 PVC	Rp 1"	43.0	36
W 114 PVC	Rp 1 1/4"	54.0	41
W 112 PVC	Rp 1 1/2"	63.0	46
W 20 PVC	Rp 2"	78.0	57
W 212 PVC	Rp 2 1/2"	89.0	84
W 30 PVC	Rp 3"	106.0	99
W 40 PVC	Rp 4"	129.0	119

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.