

- > **Normal size:**
Ø 2,7 ... 11 mm
- > **Single handed operation**
- > **Compact robust construction**
- > **High flow, low pressure drop**
- > **Wide range of connections**



Technical features

Medium:

Compressed air and liquid fluids

Operation:

Single shut off:

The plug designed straight through, coupling shuts off immediately when connection is broken.

The ideal solution for operating compressed air tools.

Operating pressure:

0 ... 35 bar (0 ... 507 psi)

Water flow (kv factor):

1,15 - 231 series, Ø 8,5 mm
 0,21 - 232 series, Ø 2,7 mm
 0,60 - 233 series, Ø 5 mm
 2,40 - 234 series, Ø 7,8 mm
 2,70 - 235 series, Ø 10 mm
 1,20 - 237 series, Ø 5,5 mm
 2,80 - 239 series, Ø 11 mm

Ambient/Media temperature:

-20°C ... +100°C (-4 ... +212 °F)
 Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35 °F).

Compatibility:

The same nominal size only.

Materials:

Coupling:

Body and sleeve: nickel plated brass (234 series nickel plated steel)

Valve: brass

Spring and locking ring/balls: Stainless steel

Seals: NBR

Plug:

Body: nickel plated brass (231, 232, 233, 234, 237 and 239 series nickel plated steel)

Option selector

23★★★★★★

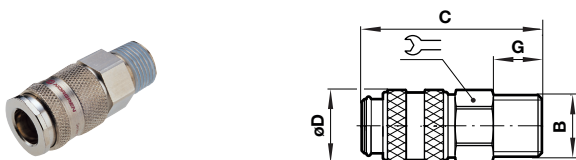
Normal size	Substitute	Thread size	Substitute
Ø 8,5	1	M5	0005
Ø 2,7	2	1/8	0018
Ø 5	3	1/4	0028
Ø 7,8	4	3/8	0038
Ø 10	5	1/2	0048
Ø 5,5	7	3/4	0068
Ø 11	9		
Style	Substitute	Tube - inside diameter	Substitute
Plug	1	3	0300
Coupling	2	4	0400
Shape	Substitute	6	0600
External thread (metric)	A	9	0900
External thread (ISO G & R)	1	13	1300
Internal thread (metric)	D		
Internal thread (ISO G & R)	2		
Hose barb	3		
Push On (233 series only)	6		
Push On fitting panel mounted (233 series only)	8		
Push On fitting with spring guard (233 series only)	9		

Couplings and plugs

Coupling – male thread Thread: metric, ISO G or ISO R  Page 2	Coupling – female thread Thread: metric or ISO G  Page 2	Coupling – hose barb  Page 3	Coupling – push-on fitting  Page 2	Coupling – push-on fitting panel mounted  Page 2	Coupling – push-on fitting with spring guard  Page 3
Plug – male thread Thread: metric, ISO G or ISO R  Page 3	Plug – female thread Thread: metric or ISO G  Page 3	Plug – hose barb  Page 4	Plug – push-on fitting  Page 4	Plug – push-on fitting with spring guard  Page 4	

Coupling – male thread

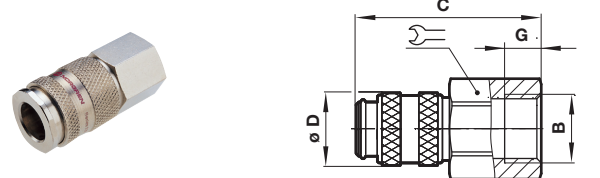
Thread: metric, ISO G or ISO R



Normal size	B	C	Ø D	G		Model
Ø 2,7	M5	26	10	5	9	2322A0005
Ø 2,7	G1/8	28	10	7	11	232210018
Ø 5	G1/8	36	16,5	7	14	233210018
Ø 5	G1/4	38	16,5	9	17	233210028
Ø 5,5	R1/4	59	23	12	19	237210028
Ø 5,5	R3/8	59	23	12	19	237210038
Ø 5,5	R1/2	60	23	17	22	237210048
Ø 7,8	R1/4	60	23	12	19	234210028
Ø 7,8	R3/8	60	23	12	19	234210038
Ø 7,8	R1/2	61	23	17	22	234210048
Ø 8,5	G3/8	49	30	9	22	231210038
Ø 8,5	G1/2	52	30	12	22	231210048
Ø 10	R1/4	63	27	12	24	235210028
Ø 10	R3/8	63	27	12	24	235210038
Ø 10	R1/2	65	27	17	24	235210048
Ø 11	G1/2	79	35	17	30	239210048
Ø 11	G3/4	81	35	19	30	239210068

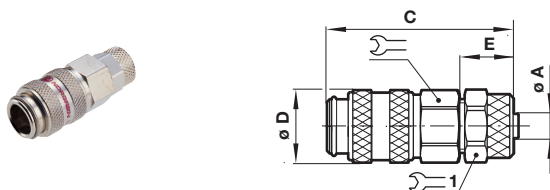
Coupling – female thread

Thread: metric or ISO G



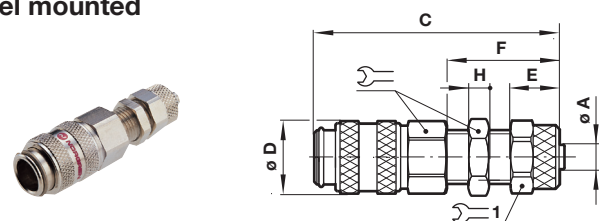
Normal size	B	C	Ø D	G		Typ
Ø 2,7	M5	26	10	5	9	2322D0005
Ø 2,7	G1/8	28	10	7	12	232220018
Ø 5	G1/8	36	16,5	9	14	233220018
Ø 5	G1/4	38	16,5	9	17	233220028
Ø 5,5	G1/4	55	23	10	19	237220028
Ø 5,5	G3/8	54	23	9	19	237220038
Ø 5,5	G1/2	57	23	12	24	237220048
Ø 7,8	G1/4	56	23	10	19	234220028
Ø 7,8	G3/8	55	23	9	19	234220038
Ø 7,8	G1/2	58	23	12	24	234220048
Ø 8,5	G3/8	49	30	9	22	231220038
Ø 8,5	G1/2	52	30	12	24	231220048
Ø 10	G1/4	56	27	10	24	235220028
Ø 10	G3/8	56	27	11	24	235220038
Ø 10	G1/2	56	27	12	24	235220048
Ø 11	G1/2	83	35	23	30	239220048
Ø 11	G3/4	84	35	24	32	239220068

Coupling – push-on fitting



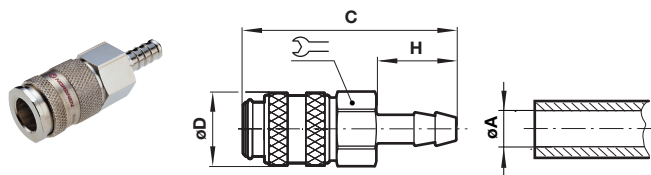
Normal size	Tube OD/ID	C	Ø D	E			Model
Ø 5	Ø 6/4	42	16,5	11	14	12	233260400
Ø 5	Ø 8/6	42	16,5	11	14	14	233260600

Coupling – push-on fitting panel mounted



Normal size	Tube OD/ID	C	Ø D	E	F	H			Model
Ø 5	Ø 6/4	54	16,5	11	25	4	14	12	233280400
Ø 5	Ø 8/6	54	16,5	11	25	4	17	14	233280600

Coupling – hose barb

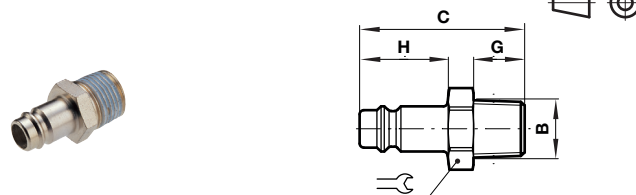


Normal size	Tube Ø A	C	Ø D	H		Model
Ø 2,7	3	35	10	13	-	232230300
Ø 2,7	4	35	10	13	-	232230400
Ø 5	4	46	16,5	17	14	233230400
Ø 5	6	46	16,5	17	14	233230600
Ø 5	9	46	16,5	17	14	233230900
Ø 5,5	6	73	23	25	19	237230600
Ø 5,5	9	73	23	25	19	237230900
Ø 5,5	13	73	23	25	19	237231300
Ø 7,8	6	74	23	25	19	234230600
Ø 7,8	9	74	23	25	19	234230900
Ø 7,8	13	74	23	25	19	234231300
Ø 8,5	9	66	30	25	21	231230900
Ø 10	9	76	27	25	24	235230900
Ø 10	13	76	27	25	24	235231300
Ø 11	13	86	35	25	30	239231300
Ø 11	19	86	35	25	30	239231900

Plug – male thread

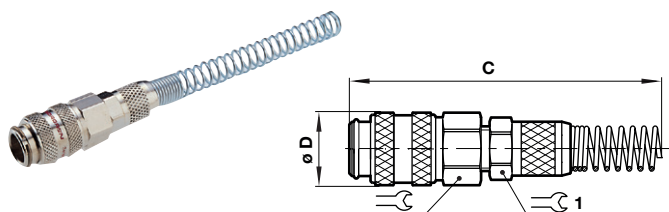
Thread: metric, ISO G or ISO R

Dimensions in mm
Projection/First angle



Normal size	B	C	G	H		Model
Ø 2,7	M5	18	5	7		2321A0005
Ø 2,7	G1/8	20	7	11		232110018
Ø 5	G1/8	25	7	14		233110018
Ø 5	G1/4	27,5	9	17		233110028
Ø 5,5	R1/4	40	12	17		237110028
Ø 5,5	R3/8	40	12	17		237110038
Ø 5,5	R1/2	45	17	22		237110048
Ø 7,8	R1/8	33	9	13		234110018
Ø 7,8	R1/4	37	12	14		234110028
Ø 7,8	R3/8	37	12	17		234110038
Ø 7,8	R1/2	43	17	22		234110048
Ø 8,5	G3/8	42	9	19		231110038
Ø 8,5	G1/2	46	12	24		231110048
Ø 10	R1/4	40	12	17		235110028
Ø 10	R3/8	40	12	17		235110038
Ø 10	R1/2	45	17	22		235110048
Ø 11	G1/2	59	17	22		239110048
Ø 11	G3/4	62	19	27		239110068

Coupling – push-on fitting with spring guard



Normal size	Tube OD/ID	C	Ø D			Model
Ø 5	Ø 6/4	125	16,5	14	12	233290400
Ø 5	Ø 8/6	132	16,5	17	14	233290600

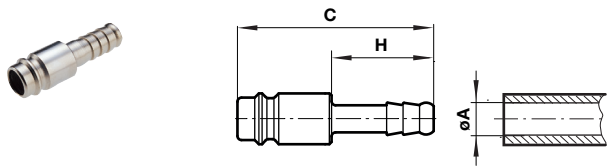
Plug – female thread

Thread: metric or ISO G



Normal size	B	C	G	H		Model
Ø 2,7	M5	17	5	7		2321D0005
Ø 2,7	G1/8	19	7	12		232120018
Ø 5	G1/8	24,5	8	14		233120018
Ø 5	G1/4	25	9	17		233120028
Ø 5,5	G1/4	36	9	17		237120028
Ø 5,5	G3/8	36	9	19		237120038
Ø 5,5	G1/2	39	12	24		237120048
Ø 7,8	G1/4	33	9	17		234120028
Ø 7,8	G3/8	33	9	19		234120038
Ø 7,8	G1/2	36	12	24		234120048
Ø 8,5	G3/8	42	10	19		231120038
Ø 8,5	G1/2	43	12	24		231120048
Ø 10	G1/4	33	9	17		235120028
Ø 10	G3/8	33	9	19		235120038
Ø 10	G1/2	37	12	24		235120048
Ø 11	G1/2	61	23	24		239120048
Ø 11	G3/4	62	24	32		239120068

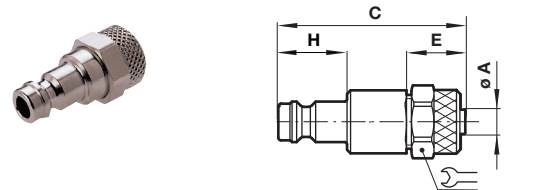
Plug – hose barb



Normal size	Tube Ø A	C	H	Model
Ø 2,7	3	24	13	232130300
Ø 2,7	4	24	13	232130400
Ø 5	4	32	17	233130400
Ø 5	6	32	17	233130600
Ø 5	9	33	17	233130900
Ø 5,5	6	51	25	237130600
Ø 5,5	9	51	25	237130900
Ø 5,5	13	51	25	237131300
Ø 7,8	6	48	25	234130600
Ø 7,8	9	48	25	234130900
Ø 7,8	13	48	25	234131300
Ø 8,5	9	55	25	231130900
Ø 8,5	13	55	25	231131300
Ø 10	9	48	25	235130900
Ø 10	13	48	25	235131300
Ø 11	13	62	25	239131300
Ø 11	19	72	35	239131900

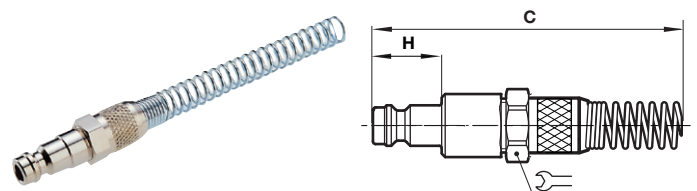
Plug – push-on fitting

Dimensions in mm
Projection/First angle



Normal size	Tube OD/ID	C	E	H	Model
Ø 5	Ø 6/4	31,5	11	12	233160400
Ø 5	Ø 8/6	31,5	11	14	233160600

Plug – push-on fitting with spring guard



Normal size	Tube OD/ID	C	H	Model
Ø 5	Ø 6/4	113	12	233190400
Ø 5	Ø 8/6	123	14	233190600

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren Ltd.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.