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INJECTION MOULD COOLING COMPONENTS

Series 590

Quick Coupling Systems - EU Series

Fields of Usage: It is used in cooling systems of plastic, zinc - aluminium diecasting moulds and steam lines - hot oil circuits, water washing & cooling systems of machines.

Material Info:

Body & Cover Valve = Brass / **O-Ring =** Viton
Spring - Ring & Ball = Stainless / **Coupling Fitting =** Brass
Operating Pressure = 0 - 15 bar / **Flow Capacity =** 9 mm
Operating Temperature = -5 / +180⁰

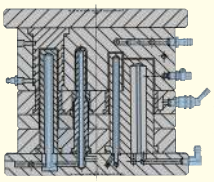
Valved: Controlled water flow is provided. When fitting is removed, water flow is closed in coupling. Both sides are with valve.

Non-valved: When fitting is removed, open circuit. Both sides are without valve.

Injection Mould Cooling Components / Systems:
Cooling of Moulds; for providing suitable cooling, features of moulded material, material shape, mould structure and quantity of heat to be transfered should be known. In cooling with water, cooling channels should not be very close to mould surface. Otherwise, temperature changes can cause thermal shocks on mould surface. Cooling channels should not be so far from mould surface, because in this case, heat transfer should not be provided sufficiently. Cooling channels may be created 2/3 times far of mould plate channel diameters. Water flowing should be provided to keep mould in certain temperature.

Effect of Cooling Time on Mould:

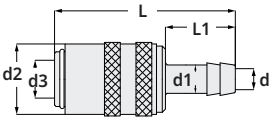
Injection Errors:	Solution Methods:
- Tensile - Distortion - Sinking - Fragility - Cracking - Shrinkage - Visible ejector traces - Tension whitening	Cooling period should be increased and cooling system / channels should be controlled.



Quick-release Couplings:
Quick-release Couplings and fittings compatible with mould cooling systems and injection machines are commonly used in plastic - metal injection moulds. To use in water - air and oil flowing, different types are available and when desired mounting / demounting facilities on mould, Quick-release Couplings should be used.

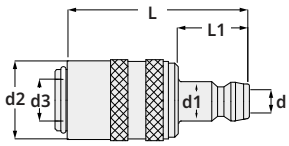
For accurate and efficient cooling in mould cooling system, to choose Coupling / Fitting System to be most suitable to the temperature of your mould and mounting area in the correct way is important. Wide options related to this systems are presented at following pages. We have custom-made production service in all our Cooling Components.

Hose Coupling



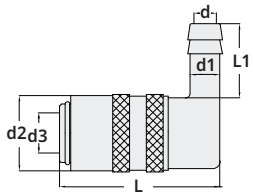
Order Code	Order Code	d	d1	d2	d3	L	L1
590HGB10	590HG10	10	7.5	23	13	59	23
590HGB13	590HG10	13	10	23	13	59	23

Adapter Coupling



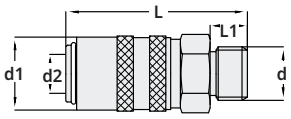
Order Code	Order Code	d	d1	d2	d3	L	L1
590AUB560	590AU560	5.5	9	23	13	58	45
590AUB590	590AU590	8	13	23	13	58	45

90° Hose Coupling



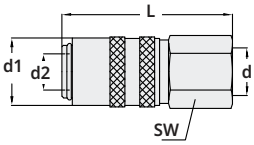
Order Code	Order Code	d	d1	d2	d3	L	L1
590LGB10	590LG10	10	7.5	23	13	52	29
590LGB13	590LG13	13	10	23	13	52	29

Male Coupling



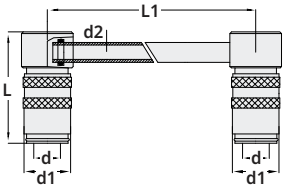
Order Code	Order Code	d	d1	d2	d3	L	L1
590EGB13	590EG10	1/4"	23	13	52	9	21
590EGB17	590EG17	3/8"	23	13	52	9	21
590EGB21	590EG21	1/2"	23	13	52	9	21
590EGBM16	590EGM16	M16	23	13	52	10	21

Female Coupling



Order Code	Order Code	d	d1	d2	L	SW
590DGB13	590DG10	1/4"	23	13	9	21
590DGB17	590DG17	3/8"	23	13	9	21
590DGB21	590DG21	1/2"	23	13	9	21
590DGBM16	590DGM16	M16	23	13	10	21

Bridge Couplings



Order Code	Order Code	d	d1	d2	L	L1
590KGB125	590KG125	13	23	10x1	52	125
590KGB250	590KG250	13	23	10x1	52	250
590KGB500	590KG500	13	23	10x1	52	500

Series 590

Fittings - EU Series

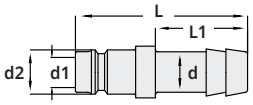
Compatible with Series-590
Quick-release Couplings

Material = Brass
Operating Pressure = 0 - 15 bar

Flow Capacity = 9 mm
Operating Temperature = -5 / +180°

Hose-tail Fitting

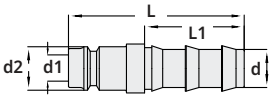
Non-valved



Order Code	d	d1	d2	L	L1
590HR10	10	9	13	40	23
590HR13	13	9	13	42	25

Push-lock Hose Fitting

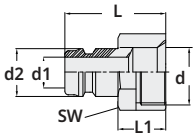
Non-valved



Order Code	d	d1	d2	L	L1
590FHR10	10	9	13	43	28
590FHR13	13	9	13	47	28

Female Fitting

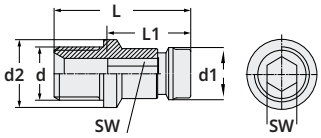
Non-valved



Order Code	d	d1	d2	SW	L	L1
590DR13	G1/4"	9	13	16	28	9
590DR17	G3/8"	9	13	19	28	9

Male Fitting with Inner Hex.

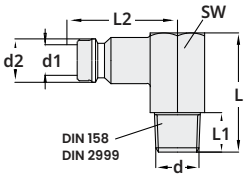
Non-valved



Order Code	d	d1	d2	SW	L	L1
590AER13	G1/4"	13	13.5	8	26	17
590AER17	G3/8"	13	17	8	26	17
590AERM14	M14	13	14.5	8	26	17

Fitting 90° Male Threaded

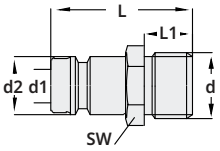
Non-valved



Order Code	d	d1	d2	SW	L	L1
590ER1390	G1/4"	13	34	15	10	25
590ER1790	G3/8"	13	34	17	10	25
590ERM1490	M14	13	34	15	10	25

Male Fitting

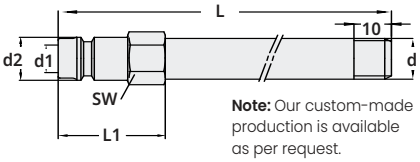
Non-valved



Order Code	d	d1	d2	SW	L	L1
590ORE10	G1/8"	9	13	14	29	10
590ORE13	G1/4"	9	13	14	29	10
590ORE17	G3/8"	9	13	17	29	10
590ORE21	G1/2"	9	13	21	29	10
590OREM8	M8 x 1.25	9	13	14	29	10
590ORE101	M10 x 1.5	9	13	14	29	10
590OREM10	M10 x 1.0	9	13	14	29	10
590OREM12	M12 x 1.75	9	13	14	29	10
590OREM14	M14 x 1.5	9	13	21	29	10
590OREM16	M16 x 1.5	9	13	21	29	10

Male Fitting Long Type

Non-valved



Note: Our custom-made production is available as per request.

Order Code	d	d1	d2	SW	L	L1
590OREM860	M8 x 1.25	9	13	14	60	20
590OREM880					80	
590OREM8100					100	
590OREM8120					120	
590OREM8150					150	
590OREM8200					200	
590OREM1060	M10 x 1.5	9	13	14	60	20
590OREM1080					80	
590OREM10100					100	
590OREM10120					120	
590OREM10150					150	
590OREM10200					200	
590OREM1260	M12 x 1.75	9	13	14	60	20
590OREM1280					80	
590OREM12100					100	
590OREM12120					120	
590OREM12150					150	
590OREM12200					200	
590ORE1060	G1/8"	9	13	14	60	20
590ORE1080					80	
590ORE10100					100	
590ORE10120					120	
590ORE10150					150	
590ORE10200					200	
590ORE1360	G1/4"	9	13	14	60	20
590ORE1380					80	
590ORE13100					100	
590ORE13120					120	
590ORE13150					150	
590ORE13200					200	

Quick Coupling Systems - USA Series

Series 509

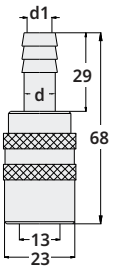
Body & Cover Valve = Brass **/ O-Ring =** Viton

Spring - Ring & Ball = Stainless **/ Coupling Fitting =** Brass

Operating Pressure = 0 - 15 bar **/ Flow Capacity =** 9 mm

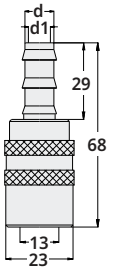
Operating Temperature = -5 / +180⁰

Fields of Usage: It is used in cooling systems of plastic, zinc - aluminium diecasting moulds and steam lines - hot oil circuits, water, washing & cooling systems of machines.



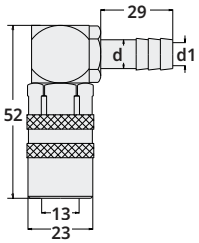
Quick-release Coupling

Order Code	Order Code	d	d1
509HGB10	509HG10	10	8
509HGB11	509HG11	11	9
509HGB13	509HG13	13	10



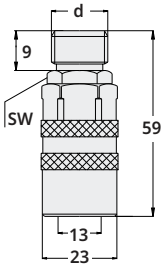
Quick-release Coupling

Order Code	Order Code	d	d1
509FGB10	509FG10	10	8
509FGB13	509FG13	11	9



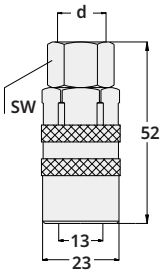
Quick-release Coupling 90⁰

Order Code	Order Code	d	d1
509HGB1090	509HG1090	10	8
509HGB1190	509HG1190	11	9
509HGB1390	509HG1390	13	10



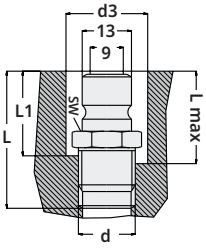
Quick-release Coupling - Male

Order Code	Order Code	d	SW
509EGB13	509EG13	G1/4"	17
509EGBM16	509EGM16	M16	17
509EGB17	509EG17	G3/8"	19
509EGBM18	509EGM18	M18	19
509EGB21	509EG21	G1/2"	24



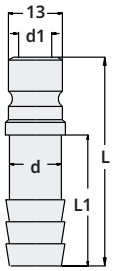
Quick-release Coupling - Female

Order Code	Order Code	d	SW
509DGB13	509DG13	G1/4"	17
509DGB17	509DG17	G3/8"	21
509DGB12	509DG12	G1/8"	24



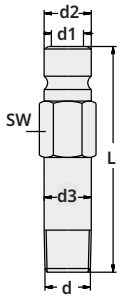
Male Plug

Order Code	d	d3	L1	L max.	L	SW
509ER10	G1/8"	26	25	26	30	14
509ER13	G1/4"	30	25	22	33	14
509ER17	G3/8"	30	26	22	33	17
509ER21	G1/2"	32	26	26	37	22
509ERM14	M14	28	25	26	33	14



Hose Plug

Order Code	d	d1	L	L1
509HR06	6	4	45	26
509HR08	8	6	45	26
509HR09	9	7	45	26
509HR10	10	8	45	26
509HR13	13	9	45	26

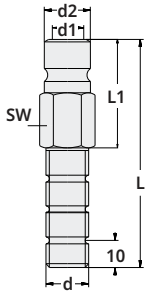


Extension Plug

Code	d	d1	d2	d3	SW
509TU13	G1/4"	9	13	14	15
509TU17	G3/8"	9	13	17	17
506ERM14	M14	14	13	9	15

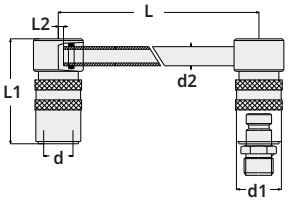
L: 50 / 100 / 150 / 200 / 250

Order: **Code** x L



Long Thread Plug

Order Code	d	d1	d2	L	L1	SW
509BLM10100	M10x1	9	13	100	40	14
509BL10100	G1/8"	9	13	100	40	14
509BL13100	G1/4"	9	13	100	40	14
509BL14100	M14x1.5	9	13	100	40	14
509BL16100	M16x1.5	9	13	100	40	14
509BL17100	G1/8"	9	13	100	40	14



Bridge Couplings

Order Code	Order Code	d1	L
509KGB125	509KG125	8x1	125
509KGB250	509KG250	8x1	250
509KGB500	509KG500	8x1	500

Quick Coupling Systems - High Flow Series

Valved: Controlled water flow is provided. When fitting is removed, water flow is closed in coupling. Both sides are with valve.

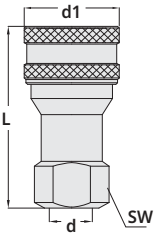
Non-valved: When fitting is removed, open circuit. Both sides are without valve.

Series 570

Material Info:
Body & Cover Valve = Brass
O-Ring = NBR
Spring - Ring & Ball = Stainles

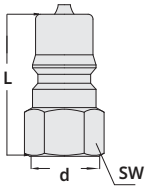
Coupling Fitting = Brass
Operating Pressure = 0 - 35 bar
Flow Capacity = NW19 / (Ø4 - 50)
Operating Temperature = -20 / +110°

✓ **Hydraulic Circuits**
✓ **Aluminium Die Casting**



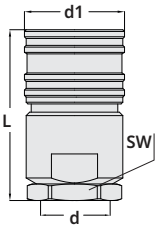
Female Coupling

Order Code	Order Code	d	d1	L	SW
570DGB10	570DG10	G1/8"	25	49	14
570DGB13	570DG13	G1/4"	29	58	19
570DGB17	570DG17	G3/8"	35	64	24
570DGB21	570DG21	G1/2"	44	74	29
570DGB26	570DG26	G3/4"	53	94	36
570DGB33	570DG33	G1"	60	106	41



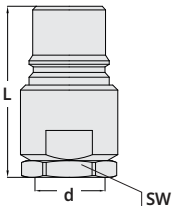
Female Plug

Order Code	Order Code	d	L	SW
570DRB10	570DR10	G1/8"	30	14
570DRB13	570DR13	G1/4"	35	19
570DRB17	570DR17	G3/8"	39	24
570DRB21	570DR21	G1/2"	46	29
570DRB26	570DR26	G3/4"	60	36
570DRB33	570DR33	G1"	65	41



Female Coupling

Order Code	Order Code	d	d1	L	SW
57032DGB42	57032DG42	1 - 1/4"	70	114	60
57038DGB48	57038DG48	1 - 1/2"	75	126	65
57050DGB60	57050DG60	2"	105	142	90
57050DGB75	57050DG75	2 - 1/2"	110	167	100



Female Plug

Order Code	Order Code	d "BSP"	L	SW
57032DRB42	57032DR42	1 - 1/4"	114	60
57038DRB48	57038DR48	1 - 1/2"	126	65
57050DRB60	57050DR60	2"	142	90
57050DRB75	57050DR75	2 - 1/2"	167	100

Series 620

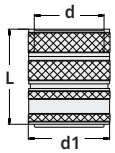
Quick Coupling Systems - Special Series for Extrusion Moulding

Material Info:
Body & Cover Valve = Brass
✓ **Extrusion Moulding**

O-Ring = NBR
Spring - Ring & Ball = Stainles

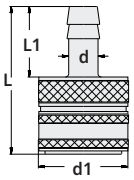
Coupling Fitting = Brass
Operating Pressure = 0 - 15 bar

Flow Capacity = 13 mm
Operating Temperature = -5 / +180°



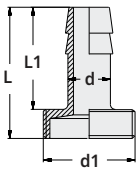
Female Coupling

Order Code	Order Code	d "BSP"	d1	L
620DGB26	620DG26	3/4"	30	45
620DGB21	620DG21	1/2"	30	45



Hose Coupling

Order Code	d	d1	L	L1
620HG09	9	30	55	23
620HG13	13	30	55	23
620HG16	16	30	55	23
620HG19	19	30	55	23

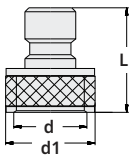


Hose Plug

Order Code	d	d1 "BSP"	L	L1
620GR09	9	3/4"	31	23
620GR13	13	3/4"	31	23
620GR16	16	3/4"	31	23
620GR19	19	3/4"	31	23

Female Plug (Hex.)

Non-valved

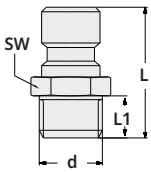


* d = "BSP"

Order Code	d	d1	L
620DR13	1/4"	19	27
620DR17	3/8"	19	27
620DR21	1/2"	24	27
620DRM22	M22	25	27
620DR26	3/4"	30	27

Male Plug

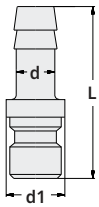
Non-valved



Order Code	d	L	L1	SW
620ER13	1/4"	33	9	19
620ER17	3/8"	33	9	19
620ER21	1/2"	36	12	22
620ER26	3/4"	41	14	30
620ER33	1"	44	15	34

Hose Plug

Non-valved



Order Code	d	d1	L
620HR09	9	19	47
620HR13	13	19	47
620HR16	16	19	47
620HR19	19	23	47

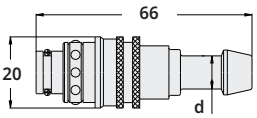
Quick Coupling Systems - French Series With Colour Ring

Series 600

Body & Cover = Nickel Plated Brass / **O-Ring =** NBR
Spring - Ring & Ball = Stainless / **Coupling Fitting =** Nickel Plated Brass
Operating Pressure = 0 - 10 bar / **Flow Capacity =** 8 mm
Operating Temperature = -20 / +90⁰

Colour Rings: In order to prevent confusion of lines (hot / cold) during usage.
Fields of Usage: It is used in cooling systems of plastic, zinc - aluminium diecasting moulds and water, washing - cooling systems of machines.

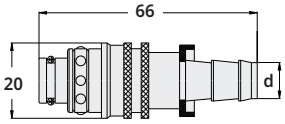
Quick-release Coupling



Non-valved

Order Code	d
60008HG06	G1/8"
60008HG08	G1/4"
60008HG10	G3/8"
60008HG12	G1/2"
60008HG13	G3/4"

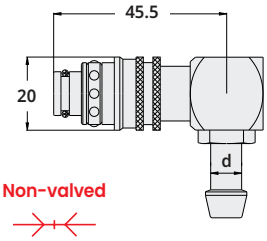
Quick-release Coupling



Non-valved

Order Code	d
60008FG10	G3/8" - 10
60008FG13	G1/2" - 13

Quick-release Coupling / 90⁰



Non-valved

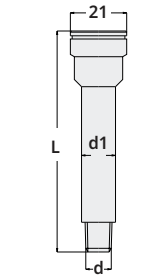
Order Code	d
60008HG0690	1/4" - 06
60008HG0890	5/16" - 08
60008HG1090	3/8"- 10
60008HG1290	15/32" - 12
60008HG1390	1/2"- 13

Male Plug

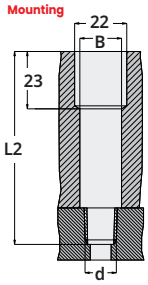
Non-valved

Order Code	d	d1	L1	L2	d2	L
60008ER10	G1/8"	21	21	8	17.5	31
60008ER13	G1/4"	21	21	10	17.5	33
60008ER17	G3/8"	21	21	11	-	24
60008NR10	N1/8"	21	21	7	17.5	31
60008NR13	N1/4"	21	21	10	17.5	33
60008NR17	N3/8"	21	21	11	-	24
60008ERM10-1	M10 x 1"	21	21	10	17.5	31
60008ERM10	M10 x 1.5"	21	21	10	17.5	31
60008ERM12	M12 x 1.75"	21	21	11	17.5	31
60008ERM14	M14 x 1.5"	21	21	11	17.5	31

Fittings with Colour Ring Long Type

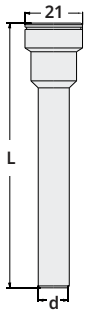


Mounting

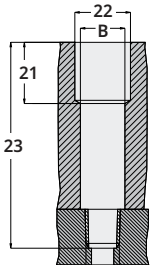


Order Code	d	L Min./Max.	L2	B	d1
60008ER10100	G1/8"	33/100	L -5.5	11	10.2
60008ER10150	G1/8"	100/150	L -5.5	11	10.2
60008ER10200	G1/8"	150/200	L -5.5	11	10.2
60008ER10250	G1/8"	200/250	L -5.5	11	10.2
60008NR10100	N1/8"	33/100	L -5.5	11	10.2
60008NR10150	N1/8"	100/150	L -5.5	11	10.2
60008NR10200	N1/8"	150/200	L -5.5	11	10.2
60008NR10250	N1/8"	200/250	L -5.5	11	10.2
60008ER13100	G1/4"	33/100	L -7.5	14	13.5
60008ER13150	G1/4"	100/150	L -7.5	14	13.5
60008ER13200	G1/4"	150/200	L -7.5	14	13.5
60008ER13250	G1/4"	200/250	L -7.5	14	13.5
60008NR13100	N1/4"	33/100	L -5.5	14	13.5
60008NR13150	N1/4"	100/150	L -5.5	14	13.5
60008NR13200	N1/4"	150/200	L -5.5	14	13.5
60008NR13250	N1/4"	200/250	L -5.5	14	13.5

Extension Fitting with Colour Ring

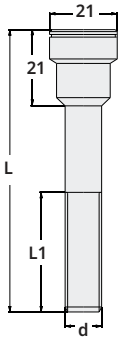


Mounting



Order Code	d	L	B
60008BU1050	10.2	50	11
60008BU10100	10.2	100	11
60008BU10150	10.2	150	11
60008BU10200	10.2	200	11
60008BU10250	10.2	250	11
60008BU1350	13.5	50	14
60008BU13100	13.5	100	14
60008BU13150	13.5	150	14
60008BU13200	13.5	200	14
60008BU13250	13.5	250	14

Extension Fitting with Colour Ring



Order Code	d	L	L1
60008UR1050	G1/8"	50	26
60008UR10100	G1/8"	100	60
60008UR10150	G1/8"	150	60
60008UR1350	G1/4"	50	27
60008UR13100	G1/4"	100	60
60008UR13150	G1/4"	150	60
60008UR13200	G1/4"	200	60

Pls. add the colour code to the end of the order code if you request colour ring.

Cold→Blue = B
Hot→Red = R

Order Example:
600HG10B or 600HG10R

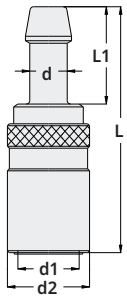
Quick Coupling Systems - French Series

Series 601

Body = Brass / **Cover Valve =** 420 Stainless
O-Ring = Viton / **Coupling Fitting =** Brass
Spring - Ring & Ball = Stainless
Operating Pressure = 16 bar / **Flow Capacity =** 6 -9-10-12-16 mm
Operating Temperature = -20 / +200⁰

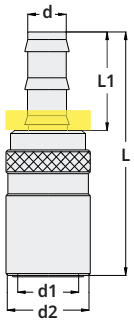
Fields of Usage: It is used in cooling systems of plastic, zinc - aluminium diecasting moulds and steam lines - hot oil circuits, water, washing & cooling systems of machines.

Hose Coupling



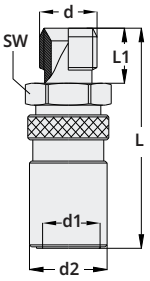
Order Code	Order Code	d	d1	d2	L	L1
60106HGB08	60106HG08	08	9.5	19	60	23
60109HGB12	60109HG12	12	14	25	69.5	28
60112HGB13	60112HG13	13	18	31	82	28
60112HGB16	60112HG16	16	18	31	82	28
60116HGB16	60116HG16	16	22.5	32	109	28
60116HGB19	60116HG19	19	22.5	38	114	33

Hose Coupling for Self-Locking



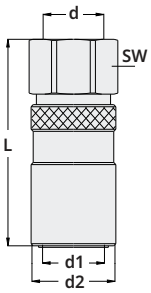
Order Code	Order Code	d	d1	d2	L	L1
60106HGB08	60106HG08	10	9.5	19	60	24
60109HGB12	60109HG12	10	14	25	69.5	24
60112HGB13	60112HG13	13	18	25	69.5	28
60112HGB16	60112HG16	13	18	31	92	38
60116HGB16	60116HG16	16	22.5	38	109	38
60116HGB19	60116HG19	19	22.5	38	109	38

Male Coupling



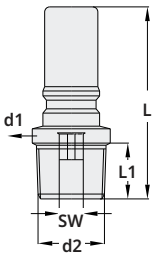
Order Code	Order Code	d	d1	d2	L	L1	SW
60106EGB13	60106EG13	9.5	19	19	55	10	17
60109EGB17	60109EG17	14	25	25	61	11	22
60112EGB21	60112EG21	18	31	31	72	14	27
60116EGB26	60116EG26	22.5	38	38	115.5	14	32

Threaded Female Coupling



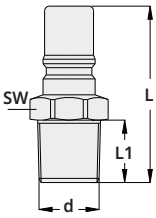
Order Code	Order Code	d	d1	d2	L	L1
60106DGB13	60106DG13	G1/4"	9.5	19	46	17
60106DGBN13	60106DGN13	N1/4"	9.5	19	46	17
60109DGB17	60109DG17	G3/8"	14	25	53	22
60109DGBN17	60109DGN17	N3/8"	14	25	53	22
60112DGB21	60112DG21	G1/2"	18	31	67	27
60112DGBN21	60112DGN21	N1/2"	18	31	67	27
60116DGB26	60116DG26	G3/4"	22.5	38	90	35
60116DGBN26	60116DGN26	N3/4"	22.5	38	90	35

Internal Hex Male Plug



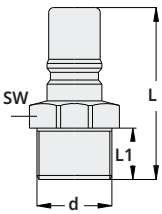
Order Code	d	d1	L	L1	SW
60606ER10	G1/8"	10	31	7.5	5
60606ER13	G1/4"	13	35	13	5
60606ERN10	N1/8"	10	31	10	5
60606ERN13	N1/4"	13	35	13	5
60609ER13	G1/4"	13	34	10	8
60609ER17	G3/8"	17	36	11	8
60609ERN13	N1/4"	13	34	11	8
60609ERN17	N3/8"	17	36	11	8
60612ER17	G3/8"	17	39	13	10

Male Plug



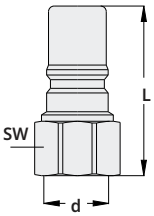
Order Code	d	L	L1	SW
60106ER21	G1/2"	41	13	24
60109ERN17	N3/8"	44	16	22
60112ERN21	N1/2"	44	16	27
60116ER21	G1/2"	63	16.5	22
60116ER26	G3/4"	63	16.5	27

Male Plug

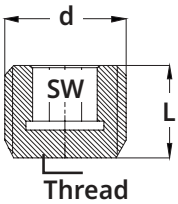


Order Code	d	L	L1	SW
60106ER21	G1/2"	41	13	22
60112ER26	G3/4"	63	16	27
60112ER33	G1"	63	16	35
60116ERM24	M24 x 1.5	63	16	27

Male Plug



Order Code	d	L	SW
6010DR13	G1/4"	34	17
60106DRN13	N1/4"	47	17
60109DR13	G3/8"	37	22
60109DRN13	N3/8"	38	22
60112DR17	G1/2"	45	27
60112DRN21	N1/2"	67	27
60116DR26	G3/4"	58	32
60116DRN26	N3/4"	80	32



Screw Plug - Straight

Code: **SDT**

It is to plug / close unwanted cooling holes in injection moulds.

Mounting: It is inserted acc. to the product diameter by threading.

Material: MS58 Brass **Max. Temp.:** 135⁰

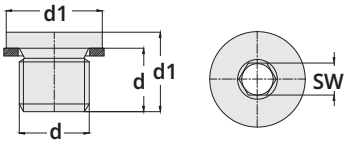
Order Code	Thread	d	L	SW
SDT 18	G1/8"	9.4	11.2	5
SDT 14	G1/4"	12.8	12.5	7
SDT 38	G3/8"	15.9	14.1	8
SDT 12	G1/2"	20.5	17.8	10
SDT M06	M6 x 0.75	-	7	3
SDT M08	M8 x 0.75	-	8	4
SDT M10	M10 x 1.0	-	10	5
SDT M12	M12 x 1.5	-	10	6
SDT M14	M14 x 1.5	-	10	7

Material:
Nickel Plated
Brass NBR O-ring

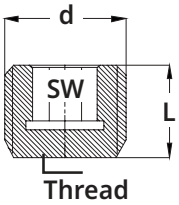
Max. Temperature:
200⁰

Headed Screw Plug with O-Ring

Code: **OKS**



Order Code	d	d1	L	L1	SW
OKS 10	G1/8"	14	10	7	5
OKS 13	G1/4"	18	11	8	7
OKS 17	G3/8"	22	12	9	8
OKS 21	G1/2"	24	13	9.5	10
OKS 26	G3/4"	32	15	11.5	12
OKSM10	M10x1	14	10	7	5
OKSM12	M12x1.5	17	11	8	6
OKSM14	M14x1.5	19	12	9	8
OKSM16	M16x1.5	21	12	9.5	10

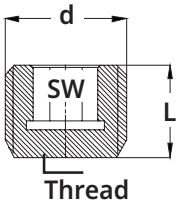


Screw Plug - Tapered

Code: **SKT**

Material: MS58 Brass **Max. Temp.:** 135⁰

Order Code	Thread	d	L	SW
SKT 18	NPT 1/8"	9.4	11.2	5
SKT 14	NPT 1/4"	12.8	12.5	7
SKT 38	NPT 3/8"	15.9	14.1	8
SKT 12	NPT 1/2"	20.5	17.8	10
SKT M06	M6 x 0.75	-	7	3
SKT M08	M8 x 0.75	-	8	4
SKT M10	M10 x 1.0	-	8	5
SKT M12	M12 x 1.5	-	10	6
SKT M14	M14 x 1.5	-	10	7



Steel Type Screw Plug - Tapered

Code: **CKT**

Material: Steel + Black Coating **Max. Temp.:** 160⁰

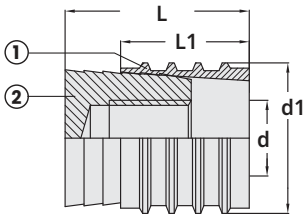
Order Code	Thread	d	L	SW
CKT 18	NPT 1/8"	9.4	11.2	5
CKT 14	NPT 1/4"	12.8	12.5	7
CKT 38	NPT 3/8"	15.9	14.1	8
CKT 12	NPT 1/2"	20.5	17.8	10

Sealing Plug Code: GKT

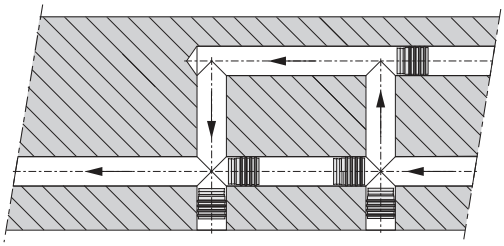
Durable and resistant to pressure and corrosion.

Material

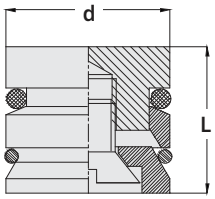
① 2.0401 / Brass
② 1.4105 / Stainless Steel

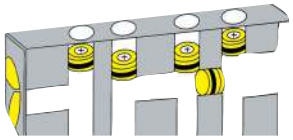


Order Code	d	d1	L1	L
GKT 06	M3	6	8	12
GKT 08	M4	8	8	12
GKT 10	M6	10	10	14
GKT 12	M6	12	10	14
GKT 14	M8	14	12	17
GKT 15	M8	15	12	17
GKT 16	M8	16	12	17
GKT 20	M8	20	12	17



Sealing Plug with O-ring Code: GCP



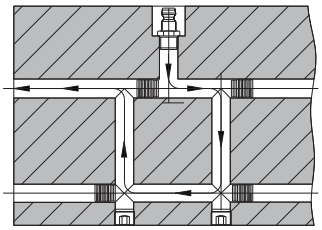


Order Code	d	L	Mounting Dia.
GCP 06	Ø6	10	6.1 mm
GCP 08	Ø8	10	8.1 mm
GCP 10	Ø10	10	10.1 mm
GCP 12	Ø12	10	12.1 mm
GCP 14	Ø14	12	14.1 mm
GCP 16	Ø16	12	16.1 mm
GCP 20	Ø20	12	20.1 mm

Mounting:
The diameter of cooling channel should be at least 0.1 mm larger than **"GCP product".** Any machining (threading etc.) on channel mounting and any mechanical process on product should not be done. "GCP" is never rusting. The wall thickness of diameter on unit can be adjusted via O-ring.

Operating Temperature Range: 10 - 200^0
Compressive Strength:
Ø 6 - 8 mm = 16 Kg. / cm^2
Ø 10 - 12 mm = 18 Kg. / cm^2
Ø 14 - 16 mm = 25 Kg. / cm^2

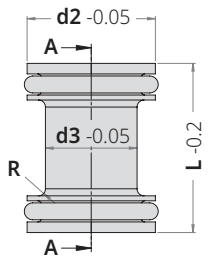
It is adjusted fixing plug in order to use canceling (inactive) of unwanted holes in cooling channel of injection moulds or to direct flow motions of cooling water.

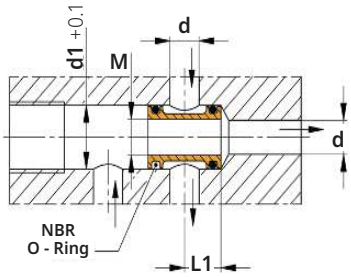


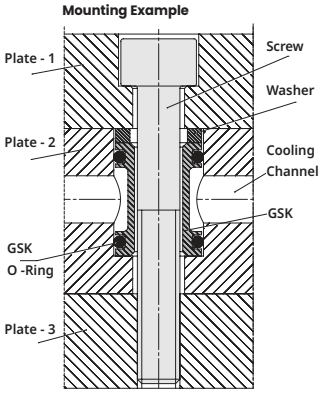
Cooling Junction

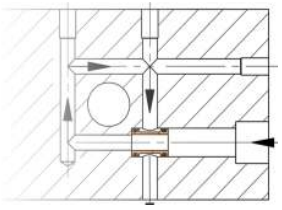
Code: **GSK**

It reduces number of cooling channels and improves your designs.









Material: Brass
O-Rings: NBR

Order Code	d	d1	d2	d3	L1	L	M	O-Ring
GSK 06	6	11.5	11.1	9	10	20	M8	Ø8 x 1.5
GSK 08	8	15	14.6	11	10	20	M10	Ø11 x 2
GSK 10	10	18.5	18.2	13	12	24	M12	Ø13.9 x 2.4

It is a system which will ensure circulation of water under a certain pressure and speed in water circulation channel arrangements and creating of entries / exits in mould cooling system.

Features:

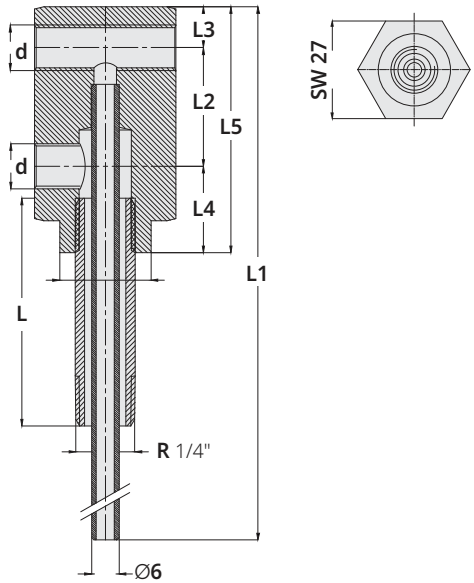
- It provides homogeneous temperature distribution.
- It provides quick mounting and facilitates demounting.
- It saves time and cost.
- Minimum pressure loss in water flow rate.
- No rust in cooling channels.
- "NBR O-ring" is used (resistant to temperature).
  Please check O-rings in mountings and demountings.
  Do not use damaged and torn / worn O-Rings.

NEW

Cooling Cascede

Code: **PVS / PLS**

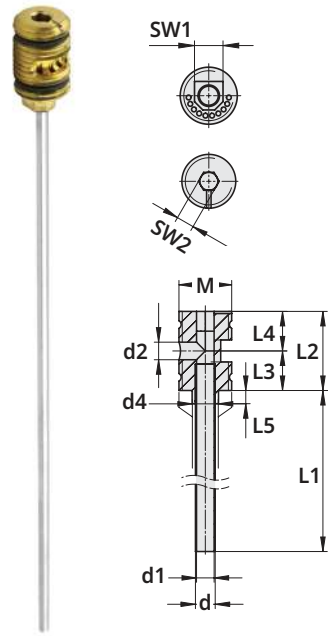
Material: MS58 Brass



Order Code	d	L	L1	L2	L3	L4	L5
PVS 10.50	**1/8"**	50	356	19	9	9	42
PVS 10.100		100					
PVS 10.150		150					
PVS 10.200		200					
PVS 13.50	**1/4"**	50	356	19	9	9	42
PVS 13.100		100					
PVS 13.150		150					
PVS 13.200		200					

Order Code	d	L	L1	L2	L3	L4	L5
PLS 10.50	**1/8"**	50	362	26	9	12	54
PLS 10.100		100					
PLS 10.150		150					
PLS 10.200		200					
PLS 13.50	**1/4"**	50	362	26	9	12	54
PLS 13.100		100					
PLS 13.150		150					
PLS 13.200		200					

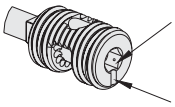
NEW



Code: **DSU**

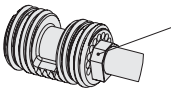
Cooling Unit - Threaded

Installation Examples



Installation from the bottom side with a socket wrench

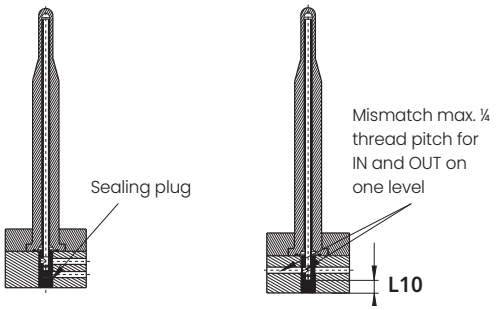
The groove functions as a directional guide for the flow.



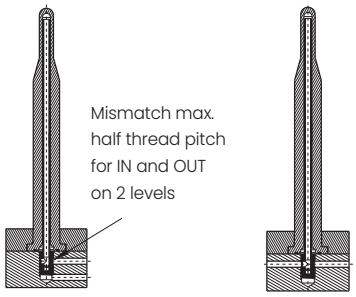
Installation from the top by using an open-end or installation wrench

d4= recommended cooling hole

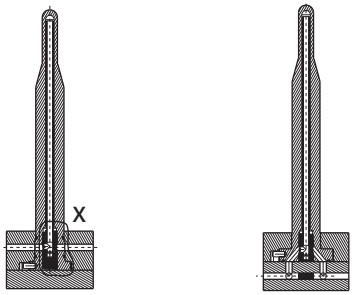
Installation from the bottom side of the plate



Installation from the top of the plate



Installed in mould core pin

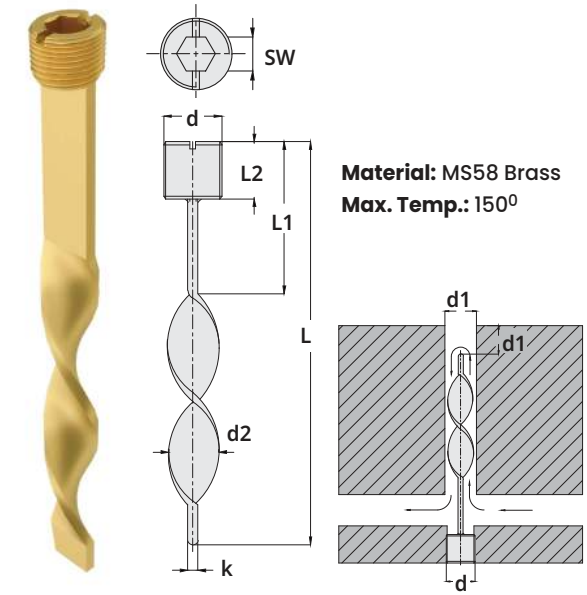


Material: 2.0401 and 1.4301
Max. Temperature: 150⁰ max.

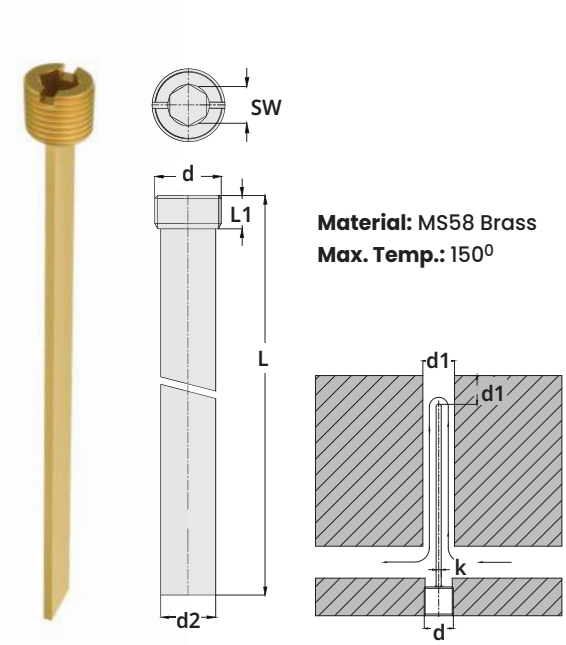
Order Code	d	d1	d2	d4	L1	L2	L3	L4	L5	SW1	SW2	M
DSU008	0.8	0.6	1	1	220	15	7	8	3	4	3	M8 x 0.75
DSU012	1.2	0.9	1.2	1.5	220	15	7	8	3	4	3	M8 x 0.75
DSU016	1.6	1.2	1.5	2	245	15	7	8	3	4	3	M8 x 0.75
DSU019	1.9	1.5	2	2.5	245	15	7	8	3	5	3	M10 x 1
DSU023	2.3	1.9	2	3	247	15	7	8	3	5	3	M10 x 1
DSU030	3	2.5	2.5	4	247	15	7	8	3	5	3	M10 x 1
DSU038	3.8	3.3	3.5	5	325	18	9	9	3	6	4	M12 x 1.5
DSU045	4.5	4	4	6	325	18	9	9	3	6	4	M12 x 1.5
DSU060	6	5.2	5.2	8	324	20	10	10	3	7	5	M14 x 1.5
DSU074	7.4	6.5	6.5	10	323	24.5	12	12.5	3.5	9	6	G3/8"
DSU090	9	8	8	12	323	30	14	16	4	11	7	G1/2"
DSU100	10	9	9	13-14	323	30	14	16	4	11	8	G1/2"

Cooling Baffles & Water Flow Pipes

Baffles are used to direct the flow of water or cooling liquid within the mould. They are allows machined water-lines to be separated into multiple channels.



Material: MS58 Brass
Max. Temp.: 150⁰



Material: MS58 Brass
Max. Temp.: 150⁰

Spiral Baffle - Threaded

Code: **HSEP**

Order Code	d	SW	d1	d2	L	L1	L2	k
HSEP 10 100	1/8"	5	8.5	8.2	100	8	51	1.6
HSEP 10 120					120		102	
HSEP 10 150					150			
HSEP 10 200					200			
HSEP 13 100	1/4"	7	11.5	11.2	100	10	51	2.4
HSEP 13 120					120		102	
HSEP 13 150					150			
HSEP 13 200					200			
HSEP 13 250					250			
HSEP 17 150	3/8"	10	15	14.7	150	10	51	2.4
HSEP 17 175					175		102	
HSEP 17 200					200			
HSEP 17 250					250			
HSEP 17 300					300			
HSEP 21 200	1/2"	12	18.5	18.2	200	12	76	2.4
HSEP 21 400					400		127	
HSEP 26 500	3/4"	12	23.5	23.2	500	12	153	3.2

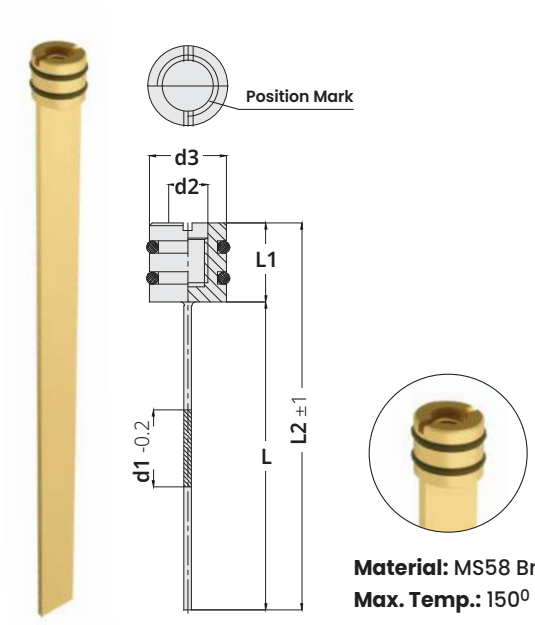
Flat Baffle - Threaded

Code: **SEPM**

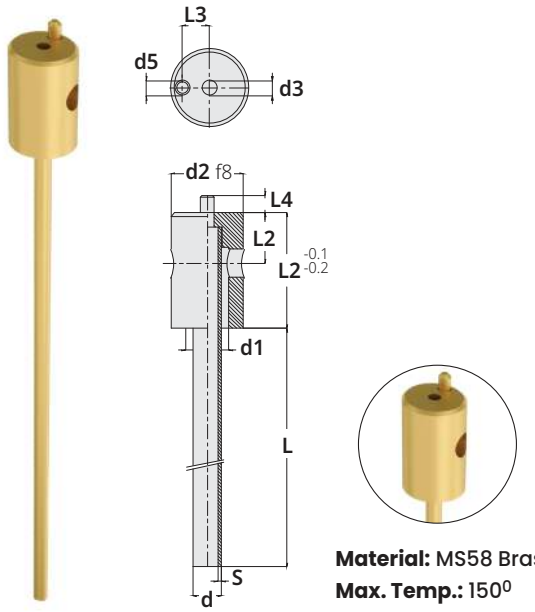
Order Code	d	SW	d1	d2	L	L1	k
SEPM 08 100	M8 x 0.75	4	6	5.8	100	8	1.6
SEPM 08 200					200		
SEPM 10 100	M10 x 1.0	5	8	7.8	100	8	1.6
SEPM 10 125	M10 x 1.5				125		
SEPM 10 200	M10 x 1.0				200		
SEPM 10 300					300		
SEPM 12 125	M12 x 1.5	6	10	9.8	125	8	2.0
SEPM 12 250					250		
SEPM 16 150	M16 x 1.5	8	14	13.8	150	10	2.4
SEPM 16 300					300		
SEPM 20 150	M20 x 1.5	10	18	17.8	150	10	2.4
SEPM 20 200					200		
SEPM 20 300					300		
SEPM 20 400					400		
SEPM 24 150	M24 x 2.0	10	20	19.8	150	12	2.4
SEPM 24 300					300		

Cooling Baffles & Water Flow Pipes

Baffles are used to direct the flow of water or cooling liquid within the mould. They are allows machined water-lines to be separated into multiple channels.



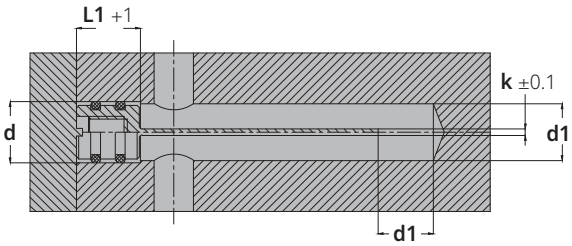
Material: MS58 Brass
Max. Temp.: 150⁰



Material: MS58 Brass
Max. Temp.: 150⁰

Flat Baffle with O-Ring

Code: **TKS**



Order Code	d1	d	d2	d3	L	L1	L2	k
TKS 10 180	10	12	M6	11.7	180	13	193	2
TKS 15 150	15	16	M8	11.7	150	16	166	2.4
TKS 15 250	15	16	M8	11.7	250	16	266	2.4
TKS 15 300	15	16	M8	11.7	300	16	316	2.4
TKS 15 350	15	16	M8	11.7	350	16	366	2.4
TKS 20 150	20	22	M12	21.7	150	20	170	2.4
TKS 20 300	20	22	M12	21.7	300	20	320	2.4
TKS 25 150	25	26	M16	25.7	150	22	172	2.4
TKS 25 390	25	26	M16	25.7	390	22	412	2.4

Water Flow Cooling Pipe

Code: **OKS**

d2	d	L	L1	L2	L3	L4	d1	d3	d4	d5	S
10	2.6	100 200	16	9	3.5	2.5	4	2	4	2	0.3
10	3	100 200	16	9	3.5	2.5	5	2.4	4	2	0.3
10	4	100 200	16	9	3.5	2.5	6	3	4	2	0.5
12	5	160 315	18	9	4.5	2.5	8	4	6	2	0.5
16	6	160 315	18	9	6	2.5	12	5	6	2	0.5
18	8	160 315	18	9	7	2.5	14	6	6	2	1
20	10	160 315	20	10	8	2.5	16	8	8	3	1
25	12	160 315	25	13	9.5	3	20	10	10	3	1

Order: **OKS.** d2 x d x L

Plastic Baffles for Injection Mould Cooling

It provides effective flow opportunity by creating balanced turbulent in fluid flow hole.
The cooling water flows by following Baffles helixes (such as cascade). Since Plastic Baffle material is Fibreglass reinforced, it always remains cold, it never causes clogging and corrosion in cooling channels.

Material:
Fibreglass Reinforced Plastic

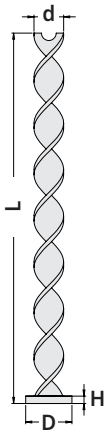
Max temperature: 200^0

"Fast Cooling System Flow Method"

Code: **STA**

Spiral Plastic Baffle

d	L	D	H
8	100	15	4
	200		
	300		
10	100	18	4
	200		
	300		
12	100	22	4
	200		
	300		
16	100	25	4
	200		
	300		
20	100	30	4
	200		
	300		
	400		
25	100	35	4
	200		
	300		
	400		

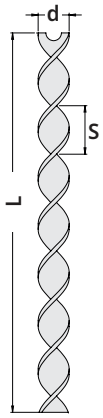


Order: **STA.** d x L

Code: **STB**

Spiral Plastic Baffle Without Base

d	L	S
8	96	20
	196	
	296	
10	96	20
	196	
	296	
12	96	25
	196	
	296	
16	96	25
	196	
	296	
20	96	25
	196	
	296	
	396	
25	96	25
	196	
	296	
	396	



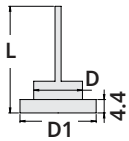
Order: **STB.** d x L

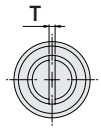
Code: **ST**

Flat Plastic Baffle - Base

D	L	D1	T
8	25	15	1.2
	30		
	35		
	40		
10	25	18	1.5
	30		
	35		
	40		
12	25	22	1.6
	30		
	35		
	40		
16	25	25	2.0
	30		
	35		
	40		
20	25	30	2.0
	30		
	35		
	40		
25	30	35	2.4
	35		
	40		

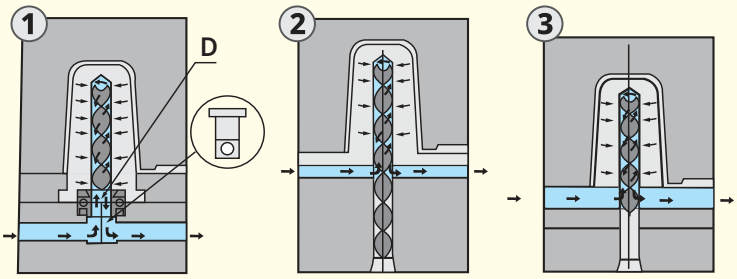
O-Ring





Order: **ST.** d x L

Usage Information:
1 - At technical drawing in Figure ① and Figure ③ if cooling water flow enters by striking at the entrance of Baffle or to the close area, Based or Base Reinforced model should be selected (**STA** or **ST** models).
2 - If cooling water flow enters by striking at the medium or top side of Baffle, don't use Based model. Because; water flow continues its turbulent flow by exiting from the level it entered, in such cases in Figure ② , **STB** model is selected.

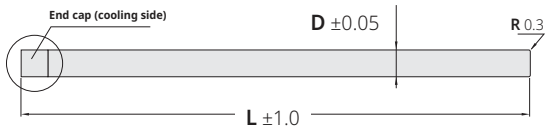


Code: **GH**

Heat Transfer Pipe

In Cores, Core Slides, Cavities & Other Areas of Injection Mould:
The cooling process is formed by rising heat to the upper sides via compressed gas in pipe quickly. In mounting, at least 70% of Heat Transfer Pipe remains inside the core, 30% of Heat Transfer Pipe should remain in cooling channel.

Advantages of this System:
It minimizes the number of defective final products during production resulting from shrinkage or cold deformation. Because it provides fast control of temperature, very high product precision is obtained.
Thus, pore formation inside the produced product is avoided. During the injection, it ensures obtaining products in right colours. By ensuring mould life longer, it lowers main costs.



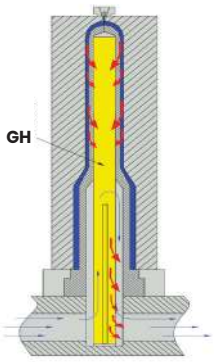
D	L
Ø3	40
	60
	80
	100
	120
	150
Ø4	40
	60
	80
	100
	120
	150
	185
	200

D	L
Ø5	60
	80
	100
	120
	150
	200
Ø6	60
	80
	100
	120
	150
	185
	200
	250

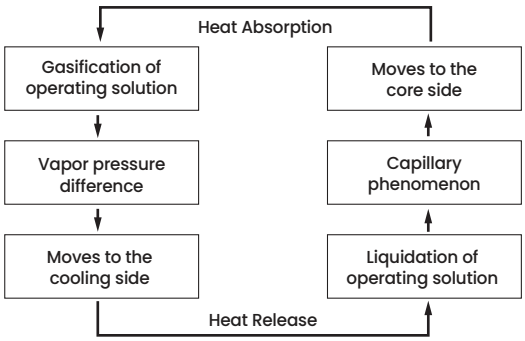
D	L
Ø8	80
	100
	120
	150
	185
	200
	250
Ø10	100
	120
	150
	185
	200
	220
	250
	300

Order: **GH.** D x L

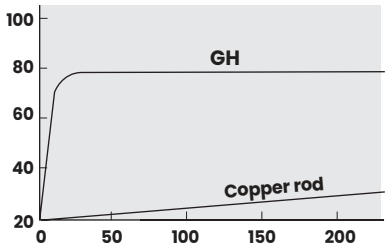
Mounting:
Cooling channel should be 0.2 / 0.4 mm larger than diameter of heat trasnfer pipe After mounting, open holes should be filled with repair paste.



Operating Cycle of the "GH" Heat Transfer Pipe



Thermal Response Property



Testing Conditions

Heating Medium: Hot Water 80°C

Cooling Medium: Air (room temperature)

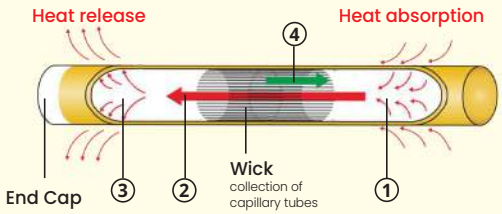
Heating / Cooling Section Size: 1 vs. 1 (equal)

Measured Location: Cooling Section

Pipe Size: Ø4 L100

Note:
1- Use under a temperature of 200°C or lower. (Burst temperature 250°C) It is designed to withstand an internal pressure up to 20kgf/cm²(For example, the internal pressure rises to 16kgf/cm² at 200°C).
2- If the cooling section area is insufficient, proper cooling effects may not be obtained. Provide a water cooling jacket referring to mounting method, and secure the cooling section area.
3- Do not cut or disassemble.
4- Bending or squashing the heat transfer pipe hampers its cooling function.
5-Do not use oil for cooling.

GH - Exploded View



① **Excellent Cooling Efficiency**
"GH Pipes" do not rely on metal thermal conductivity alone; instead, they use refrigerant-based heat transfer.
Their thermal conductivity is 200 times greater than that of brass pipes and they offer superior thermal responsiveness.

② **Stable Cooling Performance**
Unlike traditional methods, **GH** heat pipes are less prone to rust, scaling, or other deposits that reduce water flow and heat transfer efficiency over time.

③ **Simplified Cooling Circuit**
GH systems reduce the complexity of cooling water circuits, helping to minimize the overall mold volume.

④ **Quick Installation**
No screws are required for installation, making the process fast and easy.

2 Way Connector

Code: **A26 2G..**

Option:
G1/4" - G3/8" - G1/2"

3 Way Connector

Code: **A26 3G..**

Option:
G1/4" - G3/8" - G1/2"

2 Way Coupling

Code: **A26 2GD..**

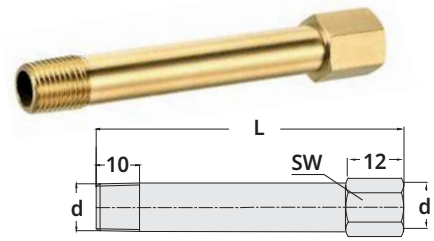
Option:
G1/4" - G3/8" - G1/2"

3 Way Coupling

Code: **A26 3GD..**

Option:
G1/4" - G3/8" - G1/2"

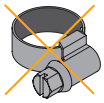
Order:
Code x Option



Code: **ARU**

Extension Fitting with Thread

Order Code	d	L	SW
ARU1460	G1/4"	60	16
ARU1480		80	
ARU14100		100	
ARU14150		150	
ARU1860	G1/8"	60	14
ARU1880		80	
ARU18100		100	
ARU18150		150	



Rubber Hose

Code: **FLEX**

It is resistant to bending with its flexible structure reinforced with polyester for hot and cold water. It is suitable to be used according to fitting feature / with our without clamp.

Order Code	Inner Ø	Outer Ø	Operating Pressure
FLEX10B	9.5	15.4	28 Bar
FLEX10R	9.5	15.4	
FLEX13B	12.5	18.5	
FLEX13R	12.5	18.5	

Order Code	Blast Pressure	Roll Length	Colour
FLEX10B	60 Bar	20 Metre	Blue
FLEX10R			Red
FLEX13B			Blue
FLEX13R			Red

Operating Temp. = -20 / +90⁰

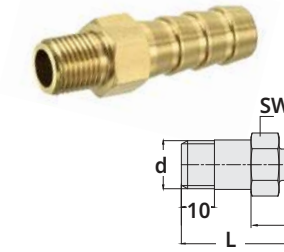
Flow Capacity = 9.5 / 12.5 mm

1. Cut hose end straightly in desired length.

2. Insert hose into fitting.

3. Insert hose into plastic yellow slot by pushing hose settled on fitting.

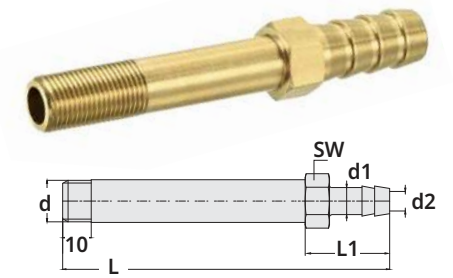
! There is no need to insert clamp in this way. You need to cut hose end in order to remove hose from fitting.



Hose Fitting

Code: **HRE**

Order Code	d	d1	d2	L	L1	SW
HREM8	M8 x 1.25	12	7	36	28	13
HREM10	M10 x 1.5			36		
HREM12	M12 x 1.75			40		
HREM14	M14 x 2.0			40		14
HREM16	M16 x 2.0			40		16
HRE1/8	G 1/8"	12	7	36	28	13
HRE1/4	G 1/4"			40		14
HRE3/8	G 3/8"			40		17



Hose Fitting Long Type

Code: **HRU**

Order Code	d	d1	d2	L	L1	SW
HRUM08060	M8 x 1.25	12	7	60	28	13
HRUM08080				80		
HRUM08100				100		
HRUM08120				120		
HRUM08150				150		
HRUM10060	M10 x 1.5	12	7	60	28	13
HRUM10080				80		
HRUM10100				100		
HRUM10120				120		
HRUM10150				150		
HRUM12060	M12 x 1.75	12	7	60	28	13
HRUM12080				80		
HRUM12100				100		
HRUM12120				120		
HRUM12150				150		
HRU10060	G1/8"	12	7	60	28	13
HRU10080				80		
HRU10100				100		
HRU10120				120		
HRU10150				150		
HRU13060	G1/4"	12	7	60	28	14
HRU13080				80		
HRU13100				100		
HRU13120				120		
HRU13150				150		

Material: Brass **Flow Capacity:** 8 mm
Operating Pressure: 0 - 15 bar
Operating Temperature: -5 / +180⁰

Flexible Cooling Hose

Code: **PSE**

Even at high pressures, it guarantees the directional stability. Resistant to all chemicals. Combine system with modular passing feature.

1/4" Operating Pressure:
6 Bar / Flow Rate 15 l. / min.

3/8" Operating Pressure:
6 Bar / Flow Rate 25 l. / min.

Order Code	Thread	Length
PSE14	1/4"	280 mm
PSE38	3/8"	320 mm

It can be supported with "Ball Valve" as per request.

Liquid Gasket Sealant

* 300⁰ Heat Resistance Sealing.

Order Code: **SK404** Red

Order Code: **SM404** Blue

Package : 45 gr.

Code: **HKI**

Hose Clamp (stainless)

Order Code	Capacity
HKI 1016	10 x 16
HKI 1220	12 x 20
HKI 1319	13 x 19
HKI 1623	16 x 23
HKI 2032	20 x 32

Cooling Adapter

Code: **DSN**

Order Code	Thread	Length	Hexagon
DSN02	1/8"	22	14
DSN03	1/4"	26	17
DSN04	3/8"	26	22
DSN05	1/2"	30	27

Cooling Adapter

Code: **ONE**

Order Code	Thread	Length
ONE01	G1/8" - 1/8"	21
ONE02	G1/8" - 1/4"	23
ONE03	G1/4" - 1/4"	23
ONE04	G1/4" - 3/8"	23
ONE05	G1/4" - 1/2"	29
ONE06	G3/8" - 3/8"	23
ONE07	G3/8" - 1/2"	29

Mini Ball Valve

Code: **KKV**

* Manual controlled.
* Button type ball valves.
* 1/4 male threaded regulator.

Order Code	Female	Male
KKV13	G1/4"	G1/4"
KKV17	G3/8"	G3/8"
KKV21	G1/2"	G1/2"
KKV26	G3/4"	G3/4"
KKV33	G1"	G1"

Elbow

Code: **DR**

TEE

Code: **TE**

Reduction Fitting

Code: **DEN**

Order Code	Female	Male
DEN01	G1/8"	G1/4"
DEN02	G3/8"	G1/4"
DEN03	G1/8"	G3/8"
DEN04	G1/8"	G1/2"
DEN05	G1/4"	G3/8"
DEN06	G1/4"	G1/2"
DEN07	G3/8"	G1/2"

Cooling Fitting Elbow

Code: **KDR**

Order Code	Male
KDR10	G1/8"
KDR13	G1/4"
KDR17	G3/8"
KDR21	G1/2"
KDR26	G3/4"
KDR33	G1"

Hose Fitting

Code: **HBF**

Code: **HBE**

Order Code	Order Code	Male
HBE6	HBF6	6 mm
HBE9	HBF9	9.5 mm
HBE13	HBF13	12.5 mm
HBE16	HBF16	13.5 mm
HBE19	HBF19	18.5 mm

Order Code	Order Code	Connection
DR10	TE10	G1/8"
DR13	TE13	G1/4"
DR17	TE17	G3/8"
DR21	TE21	G1/2"
DR26	TE26	G3/4"
DR33	TE33	G1"

Multi Coupling Plate Systems for Injection Moulds

They are used in Injection Mould Cooling Systems. These complicated sets prevent faulty and incorrect fastening and arrange complicated fastening system. It reduces mould changing time minimum and enables simple / easy fastening. Our systems provide from 3 inlets - 3 outlets up to 12 inlets - 12 outlets according to the requirement of users. Your Guvenal support assistant will assist you in order formation. High quality Viton O-rings are used in our products.

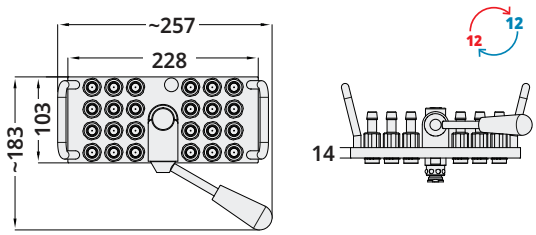
They can be operated at 10 Bar & 180°C.

Series M60109

Profile Type				
Machine Side	HGB	FGB	DGB	EGB
Mould Side	HRB	FRB	DRB	ERB

Hose Tail: 10 mm / 12 mm
Push-Lock Hose Tail: 10 mm / 13 mm
Female: BSP 3/8" - NPT 3/8"
Male: BSP 3/8" - NPT3/8"

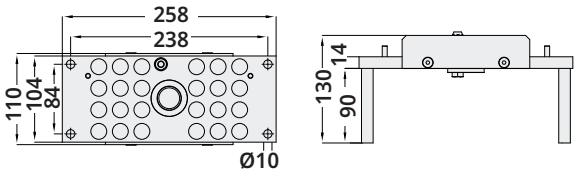
Machine Side



Coupling and Plug Component (single shut-off)

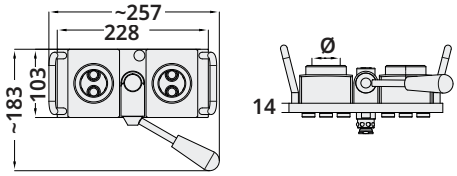
Profile Type	Order Code	Ø
	M6010924HGB10	Hose Tail 10 mm
	M6010924HGB12	Hose Tail 12 mm
	M6010924FGB10	Push-Lock Hose Tail 10 mm
	M6010924FGB13	Push-Lock Hose Tail 13 mm
	M6010924DGB17	Female BSP 3/8"
	M6010924DGBN17	Female NPT 3/8
	M6010924EGB17	Male BSP 3/8"
	M6010924EGBN17	Male NPT3/8

Mould Side



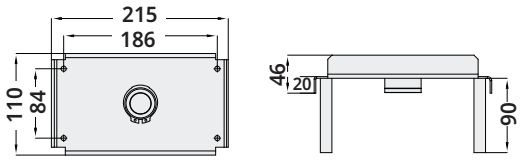
Profile Type	Order Code	Ø
	M6010924HRB10	Hose Tail 10 mm
	M6010924HRB12	Hose Tail 12 mm
	M6010924FRB10	Push-Lock Hose Tail 10 mm
	M6010924FRB13	Push-Lock Hose Tail 13 mm
	M6010924DRB17	Female BSP 3/8"
	M6010924DRBN17	Female NPT 3/8
	M6010924ERB17	Male BSP 3/8"
	M6010924ERBN17	Male NPT3/8

Machine Side with Collector



Order Code	Ø
MT6010924C42	BSP 1 1/4"
MT6010924CN42	NPT 1 1/4"

Parking Plate



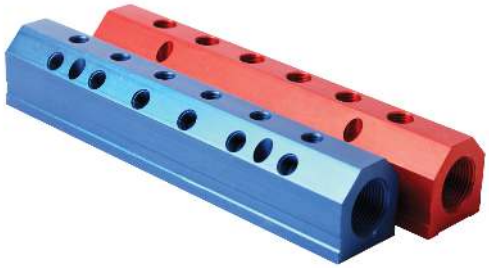
Order Code
MPP6010924

Cooling Systems

With Multi Coupling Plates & Manifold Blocks, undesired miscibility on machine and mould can be avoided.

For technical details and specifications of the 10-10, 8-8, 6-6, 5-5, 4-4, 3-3 connections of the "M60109" product, please contact our company.

Manifold Blocks for Injection Mould Cooling Systems



Thread Size Explanations

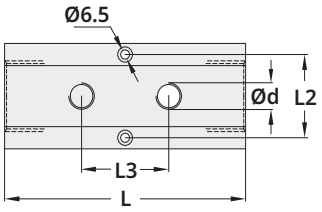
BSP=G NPT=N (1/4" = 13) (3/8"=17) (1/2"=21)
(3/4" =26) (1"=33) (1-1/4"=42) (1-1/2"=48) (2"=60)

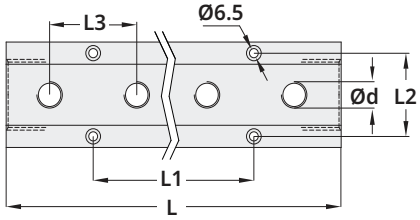
Series AK 1018

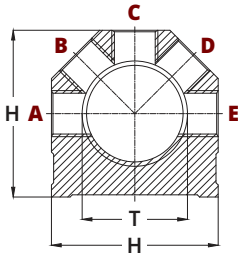
Max. Temperature =
-50°C / + 400°C (-58°F +752°F)

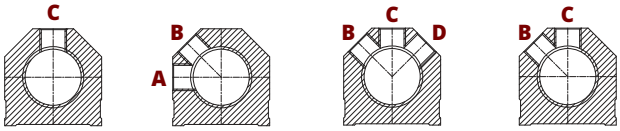
Max. Working Pressure = 40 Bar (580PSI)

Surface Colour = **Red** / **Blue** / **Blue** & **Red**









Order: **AK1018**
T x d x L x Hole x Colour

Order Example:
AK1018 3/4 x 1/4 x BD194 x 6 x Blue

T Inlet Thread	d Outlet Thread	Number of **Holes** on one Surface	L								L1								L2	L3	H
			A	C	AC	BD	ACE	ABC	BCD	ABCDE	A	C	AC	BD	ACE	ABC	BCD	ABCDE			
3/4"	1/4"	2	74		74		74	74		74	0		0		0	0		0	35	31	44.5
		4	132		132		132	132		132	62		62		62	62		62			
		6	194		194		194	194		194	124		124		124	124		124			
		8	256		256		256	256		256	186		186		186	186		186			
3/4"	3/8"	2	90		90		90	110		110	0		0		0	0		0	35	40	44.5
		4	165		165		165	190		200	80		80		80	100		100			
		6	245		245		245	270		290	160		160		160	180		180			
		8	325		325		325	350		350	240		240		240	260		260			
1"	1/4"	2	103		103		103	103		103	0		0		0	0		0	38	40	51
		4	183		183		183	183		183	80		80		80	80		80			
		6	263		263		263	263		263	160		160		160	160		160			
		8	343		343		343	343		343	240		240		240	240		240			
1"	3/8"	2	103		103		103	123		123	0		0		0	0		0	38	40	51
		4	183		183		183	210		210	80		80		80	100		100			
		6	263		263		263	290		290	160		160		160	180		180			
		8	343		343		343	370		370	240		240		240	260		260			
1-1/4"	1/4" 3/8" 1/2"	2	152		152		152	152		152	0		0		0	0		0	50	51	66
		4	254		254		254	254		254	101.6		101.6		101	101.6		101.6			
		6	355		355		355	355		355	203.2		203.2		203	203.2		203.2			
		8	457		457		457	457		457	304.8		304.8		304	304.8		304.8			
1-1/2"	1/4" 3/8" 1/2"	2	152		152		152	152		152	0		0		0	0		0	57	51	76
		4	254		254		254	254		254	101.6		101.6		101	101.6		101.6			
		6	355		355		355	355		355	203.2		203.2		203	203.2		203.2			
		8	457		457		457	457		457	304.8		304.8		304	304.8		304.8			
1-1/2"	3/4"	2	164.5		164.5		164.5	164.5		164.5	0		0		0	0		0	57	63.5	76
		4	270		270		270	354.5		354.5	101.6		101.6		101	191		191			
		6	417.5		417.5		417.5	481.5		481.5	254		254		254	318		318			
		8	554.5		554.5		554.5	608.5		608.5	381		381		381	445		445			
2"	3/8" 1/2" 3/4"	2	178		178		178	178		178	0		0		0	0		0	72.5	63.5	89
		4	305		305		305	305		305	127		127		127	127		127			
		6	432		432		432	432		432	254		254		254	254		254			
		8	559		559		559	559		559	381		381		381	381		381			

Quick Connect Pneumatic Fittings - Plastic Models

Plastic structure, quick connect and for pneumatic / air distribution mounting systems. Max. Temperature: 40ºC. Quick Connect Pneumatic Fittings also can be used in cooling system of Injection Moulds, it is recommended to keep the environment temperature and water temperature circulating - max. 40ºC.

Attention: Possible temperature increases (over 40ºC. max.) may cause water leakages in time !

"PH" Air Hose is recommended for installation of cooling system.

Fitting - Internal Thread — DPCF

Order: DPCF. d x d1

d	d1
1/8"	4
	6
	8
1/4"	4
	6
	8
	10

Fitting - External Thread — DPCG

Order: DPCG. d x d1

d x d1	d x d1
1/8" x 4	12-1.5 x 6
1/8" x 6	10-1.5 x 8
1/8" x 8	12-1.5 x 8
1/8" x 10	10-1.5 x 10
1/4" x 6	12-1.5 x 10
1/4" x 8	16-1.5 x 10
1/4" x 10	10-1.5 x 12
3/8" x 10	16-1.5 x 12
3/8" x 12	

Elbow Fitting with Valve — ISCG

Order: ISCG. d x d1

d	d1
1/8"	4
	6
	8
1/4"	4
	6
	8
	10
3/8"	10
	12

Hose Fitting with Valve — DFSG

Order: DFSG x d1

d x d1
4
6
8
10
12

Elbow Fitting - 90º — DPLG

Order: DPLG. d x d1

d	d1
1/8"	4
	6
	8
1/4"	4
	6
	8
	10
3/8"	10
	12

Manifold Fitting — IPHT

Order: IPHT. d x d1

d	d1
1/8"	4
	6
	8
1/4"	4
	6
	8
	10
3/8"	10
	12

"T" Fitting — DPT

Order: DPT. d x d1

d	d1
1/8"	4
	6
	8
1/4"	4
	6
	8
	10
3/8"	10
	12

"Y" Fitting — DPWT

Order: DPWT. d x d1

d	d1
1/8"	6
	8
1/4"	6
	8
	10

Straight Fitting — DPUC

Order: DPUC x d1

d1
4
6
8
10
12
14
16

Hose Reduction Fitting — IPU

Order: IPU. d1 x d2

d1 - d2
6 - 4
8 - 4
8 - 6
10 - 6
10 - 8
12 - 8
12 - 10

Hose Stop Nipple with Valve — ISPLG

Order: ISPLG. d x d1

d x d1
1/8" x 4
1/8" x 6
1/4" x 6
1/4" x 8

Hose Stop Nipple — ISPU

Order: ISPU. d1

d1 - Stop
4
6
8
10

Quick Connect Pneumatic Fittings - Plastic Models

Plastic structure, quick connect and for pneumatic / air distribution mounting systems. Max. Temperature: 40ºC. Quick Connect Pneumatic Fittings also can be used in cooling system of Injection Moulds, it is recommended to keep the environment temperature and water temperature circulating - max. 40ºC.

Attention: Possible temperature increases (over 40ºC. max.) may cause water leakages in time !

"PH" Air Hose is recommended for installation of cooling system.

"T" Hose Fitting — DPUT

Order: DPUT. d1

d1
4
6
8
10
12
14
16

"Y" Hose Fitting — DPY

Order: DPY. d1

d1
4
6
8
10
12

"Y" Hose Reduction Fitting — DPW

Order: DPW. d1 x d2

d1 - d2
6 - 4
8 - 6
10 - 8
12 - 10

Elbow Hose Fitting — DPUL

Order: DPUL. d1

d1
4
6
8
10
12
14
16

Pipe Cross Hose Fitting — DPZA

Order: DPZA. d1

d1
4
6
8
10
12

Manifold Fitting (4-Distributor) — PXG

Order: PXG. d1 x d2

d1 - d2
6 - 4
8 - 6
10 - 8
12 - 10

Fitting with Valve — HVES

Order: HVES. d x d1

d	d1
1/8"	6
	8
1/4"	6
	8
3/8"	8

Valve for Hose (spherical) — HVFF

Order: HVFF. d1

d1
4
6
8
10
12

Sintered Muffler — BSL

Order: BSL. d1

d1
1/8"
1/4"
3/8"
1/2"
3/4"
1"

Plastic Muffler — PSL

Order: PSL. d1

d1
1/8"
1/4"
3/8"
1/2"

Rotary Joint Fitting — UCBAS

Order Code : UCBAS

Thread
1/4"

Shaft
8 x 5 mm

Air Hose - Polyurethane — PH

Max. 60ºC

Order	In / Out
PH4	Ø 2 x 4
PH6	Ø 4 x 6
PH8	Ø 6 x 8
PH10	Ø 7 x 10
PH12	Ø 9 x 12

* When ordering, pls. specify the desired metre.

Quick Connect Pneumatic Fittings - Metal Models

Plastic structure, quick connect and for pneumatic / air distribution mounting systems. Max. Temperature: 40ºC. Quick Connect Pneumatic Fittings also can be used in cooling system of Injection Moulds, it is recommended to keep the environment temperature and water temperature circulating - max. 40ºC.

Attention: Possible temperature increases (over 40ºC. max.) may cause water leakages in time !

"PH" Air Hose is recommended for installation of cooling system.

Metal, Fitting External Thread — IPCT

Order: IPCT. d x d1

d	d1
1/8"	4
	6
	8
1/4"	6
	8
	10
	12
3/8"	10
	12

Metal, Elbow Fitting - 90º — IPLT

Order: IPLT. d x d1

d	d1
1/8"	4
	6
	8
1/4"	6
	8
	10
	12
3/8"	10
	12

Metal, "T" Fitting — IPBT

Order: IPBT. d x d1

d	d1
1/8"	4
	6
	8
1/4"	6
	8
	10
	12
3/8"	10
	12

Metal, Hose Nipple — IPUT

Order: IPUT. d

d1
4
6
8
10
12
14
16

Metal, "T" Hose Fitting — IPET

Order: IPET. d1

d1
4
6
8
10
12
14
16

Metal, Hose Reduction Fitting — IPOT

Order: IPOT. d1 x d2

d1	d2
8	6
10	8

Metal, Hose Fitting with Valve — IPCV

Order: IPCV. d x d1

Open

Valved

Closed

d	d1
1/8"	6
1/4"	8
	10
3/4"	12

Metal, Elbow Hose Fitting — IPVT

Order: IPVT. d1

d1
4
6
8
10
12
14
16

Metal, Pipe Cross Hose Fitting — IPZT

Order: IPZT. d1

d1
4
6
8
10
12
14
16

Quick Connect Pneumatic Fittings - Metal Models

Plastic structure, quick connect and for pneumatic / air distribution mounting systems. Max. Temperature: 40ºC. Quick Connect Pneumatic Fittings also can be used in cooling system of Injection Moulds, it is recommended to keep the environment temperature and water temperature circulating - max. 40ºC.

Attention: Possible temperature increases (over 40ºC. max.) may cause water leakages in time !

"PH" Air Hose is recommended for installation of cooling system.

Metal "Y" Hose Fitting — MPY

Order: MPY. d1

d1
4
6
8
10
12
14
16

Metal, Reduction Fitting — IBDG

Order: IBDG. d x d3

d	d1
1/8"	1/4"
	3/8"
	1/2"
1/4"	3/8"
	1/2"
3/8"	1/2"

Metal Nipple — IBBG

Order: IBBG. d x d3

d	d1
1/8"	1/4"
	3/8"
1/4"	3/8"
	1/2"
3/8"	1/2"

Detent Plug — IBP

Order: IBP. d

d	d1
1/8"	8
1/4"	10
3/8"	10
1/2"	10

Detent Plug with O-ring — IBPG

Order: IBPG. d

d	d1
1/8"	10
1/4"	11
3/8"	12
1/2"	13

Spiral Air Hose — T186

Order	In / Out	Mt. Length
T18604	4 - 6	4
T18605	5 - 8	5
T18607	5 - 8	7.5
T18615	5 - 8	15
T18610	12 - 8	10

Air Hose - Polyamide — POLB

Max. 100ºC

Order	In / Out
POLB04	Ø2 x 4
POLB06	Ø4 x 6
POLB08	Ø6 x 8
POLB10	Ø8 x 10
POLB12	Ø10 x 12

* When ordering pls. specify the desired metre.

Air Hose - Teflon — TEF

Max. 180ºC

Order	In / Out
TEF04	Ø2 x 4
TEF06	Ø4 x 6
TEF08	Ø6 x 8
TEF10	Ø8 x 10
TEF12	Ø10 x 12

* When ordering pls. specify the desired metre.

Air Hose - Polyurethane — PH

Max. 60ºC

Order	In / Out
PH4	Ø 2 x 4
PH6	Ø 4 x 6
PH8	Ø 6 x 8
PH10	Ø 7 x 10
PH12	Ø 9 x 12

* When ordering pls. specify the desired metre.

Code: **ESR**

Plastic Body Water Regulator

Made of plastic material, this water regulator offers long-lasting use with its light weight and resistance to corrosion. It is ideal for applications that seek cost-effective solutions. It regulates the water flow in cooling systems and ensures safe and accurate flow rates.

Code: **ESP**

Plastic and Metal Body Water Regulator

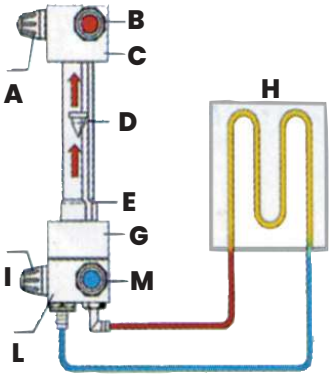
Manufactured using both plastic and metal materials, this regulator combines durability with aesthetic appeal. The metal body provides strength and longevity, while the plastic parts offer lightness and resistance to corrosion. It ensures safe and efficient water flow management in various industrial applications.

Code: **ESM**

Metal Body Water Regulator

Fully made of metal, this water regulator provides high durability and reliability. It is suitable for use in industrial systems under high pressure and harsh conditions. The metal structure offers superior protection against wear and ensures long-term, secure water flow control.

Water Flow Regulator

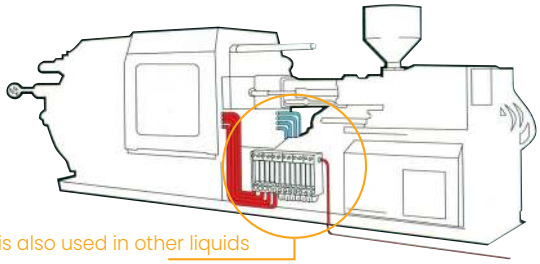


A: Adjusting Valve
B: Water Outlet
C: Flow Manifold
D: Float
E: Flow Tube
G: Receiver Section
H: Mould
I: Cut-Off Valve
L: Supply Manifold
M: Water Inlet

Flow Rate: 0-18 L / min.
Inlet - Outlet: R 3/8
Max. Temperature: 95°C

It is used as Water Flow Regulator / Indicator of cooling water in injection systems. It is designed to control circulation flow and to repeat settings regularly. Measurement scale of tubes is monitored at desired level, accurate / safe flow is supplied with monitoring the deviation status and on-off valves.

Order	Number of Tubes	Widht x Length (mm)
ESR 04	4	280 x 280
ESR 05	5	340 x 280
ESR 06	6	400 x 280
ESR 08	8	520 x 280
ESR 10	10	640 x 280
ESR 12	12	760 x 280
ESP 04	4	280 x 280
ESP 05	5	340 x 280
ESP 06	6	400 x 280
ESP 08	8	520 x 280
ESP 10	10	640 x 280
ESM 04	4	280 x 280
ESM 06	6	400 x 280
ESM 08	8	520 x 280
ESM 10	10	640 x 280
ESM 12	12	760 x 280



It is also used in other liquids or lubricating systems.

NEW

Video

Test Kit For Mould Cooling Channels

Order Code: **G170**

Why test with compressed air?

G170 is used to detect water leakages that may occur during assembly and trials after new mould production / modification. Test with compressed air; it is cleaner and faster than test methods with a water pump, etc. Air has a higher fluidity of x15/20 than warm water (80°C). For this reason, the high fluidity of air shows even leaks that are sealed when tested with water.

Operating instructions:

1- Connect the pressure gauge to the inlet of the cooling circuit.
2- Connect the valve to the circuit outlet and close the valve.
3- Using the air gun to the unit with the pressure gauge, pump air until the arrow reaches the maximum level. For test pressure max. 4 bar of air is sufficient.
4- The test time can be between 90 - 180 seconds depending on the size of the injection mould volume. If the arrow is still in its initial position at the end of the test, there is no problem and the test is successful.
5- If the arrow has decreased, necessary corrections should be made.

*It is sold as a kit in a plastic box.

Kit contents:

- Pressure gauge
- Relief valve
- Automatic fittings – 1/4" (2 pcs)
- Fittings – 1/4" (4 pcs)

Note: You can purchase fittings with different threads from our company.

Operating Pressure
6.3 Mpa

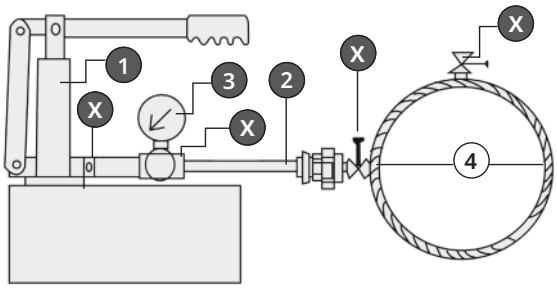
Flow Rate
25 ml / s.

Manual Pressure Test Pump

Order Code: **SSY6**

Testing of System with Manual Pressure Test Pump:

Complete the mounting of Tie Bar (handle) with screw and screwdriver involved in product that you purchased. Fill Test Hose **(2)** with water (air inside the hose should be discharged). Close Valve **(1)** on the tie bar (handle), connect testing hose to the mould (ensure that system is closed completely). Fill the tank with water and run pump by pushing keep Valve **(1)** open, continue to pumping. When Manometer **(3)** pressures is reached to desired level, close the Valve **(1).** If the pressure does not fall, the result is positive. If the pressures fall, there is a leak.



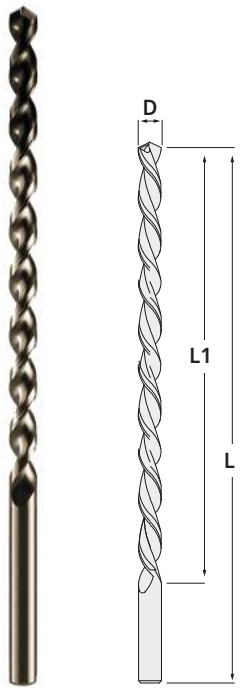
1 - ON - OFF Valve

2 - Testing Hose

3 - Manometer / Pressure Indicator

4 - Water Circuit of Mould

X - Upon request, Mini Ball Valve can be added.



Extra Long Drill

Code: **MG**

GT 100 type & for cooling channels

Order Code	D	L	L1
MG35165	3.5 mm	165	115
MG35210		210	145
MG35265		265	180
MG04175	4 mm	175	120
MG04220		220	150
MG04280		280	190
MG05198	5 mm	198	135
MG05245		245	170
MG05315		315	210
MG55205	5.5 mm	205	140
MG55260		260	180
MG55330		330	225
MG06205	6 mm	205	140
MG06260		260	180
MG06330		330	225
MG65215	6.5 mm	215	150
MG65275		275	190
MG65350		350	235
MG07225	7 mm	225	155
MG07290		290	200
MG07370		370	250

Order Code	D	L	L1
MG75225	7.5 mm	225	155
MG75290		290	200
MG75370		370	250
MG08240	8 mm	240	165
MG08305		305	210
MG08390		390	265
MG85240	8.5 mm	240	165
MG85305		305	210
MG85390		390	265
MG09250	9 mm	250	175
MG09320		320	220
MG09410		410	280
MG95250	9.5 mm	250	175
MG95320		320	220
MG95410		410	280
MG10265	10 mm	265	185
MG10340		340	235
MG10430		430	295
MG105265	10.5 mm	265	185
MG105340		340	235
MG105430		430	295
MG11280	11 mm	280	195
MG11365		365	250
MG11455		455	310
MG115280	11.5 mm	280	195
MG115365		365	250
MG115455		455	310
MG12295	12 mm	295	205
MG12375		375	260
MG12480		480	330
MG125295	12.5 mm	295	205
MG125375		375	260
MG125480		480	330
MG13295	13 mm	295	205
MG13375		375	260
MG13480		480	330

It is a long chip channel drill bit having great helix angle than normal. Especially, "10XD" perforation machining is provided on the deep surfaces. Due to its helix structure, it works comfortably and does not sticking into the middle hardened steel and aluminium materials by evacuating chip outside during drilling.

560 SERIES

Especificaciones técnicas - Technical Specifications

Material- Material

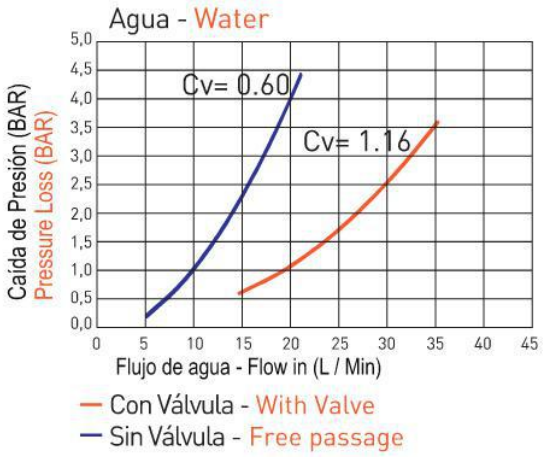
Cuerpo de Enchufe Socket Body	: Latón Brass
Cubierta Sleeve	: Latón Brass
Válvula Valve	: Latón Brass
Muelles Springs	: Acero Inoxidable Stainless Steel
Junta de Bloqueo Locking O-Ring	: Acero Inoxidable Stainless Steel
Bolas Balls	: Acero Inoxidable Stainless Steel
Sellados Seals	: Junta tórica FKM Viton Viton Oring
Enchufe Plug	: Latón Brass

Rango de temperatura - Temperature Range -5°C +180°C (+41°F +356°F) FPM (V)

Presión de trabajo - Working Pressure 0 - 10 bar (0 - 145 PSI)

Capacidad de caudal - Flow Capacity 6 mm

Gráfico de Caída de Presión y Velocidad Caudal
Flow Rate vs Pressure Drop Graph



Versión Estándar Standard Version

Juntas : FPM Seals : FPM (V)

***Opciones** *Options

Acero inoxidable Stainless Steel

Bloqueo de seguridad Safety Lock

* Por favor marque la ref. acorde a su a elección para los pedidos.
Por ejemplo: 560 HGB 06

* Please check the ref. according to your choice for orders.
For example : 560 HGB 06

Zonas de empleo

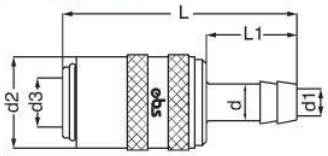
Línea de distribución de vapor
En aplicaciones de regulación de temperatura con agua fría o caliente, aceite, etc.
Industrias de moldeo por inyección

Using Area

On steam line
On temperature regulation applications with hot or cold water, oil etc
Injection moulding industries

Acoplador de Manguera

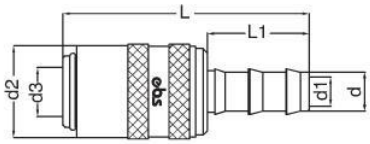
Hose Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 HGB 06	560 HG 06	6	4.5	18	9	47.5	17.5
560 HGB 08	560 HG 08	8	6	18	9	47.5	17.5
560 HGB 10	560 HG 10	10	7	18	9	47.5	17.5

Acoplador de Manguera con Autobloqueo

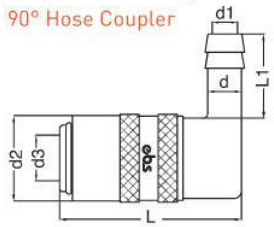
Coupler for self-locking hose



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 FGB 10	560 FG 10	10	7	18	9	48	18

Acoplador de Manguera 90°

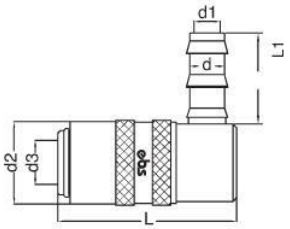
90° Hose Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 HGB 06-90	560 HG 06-90	6	4.5	18	9	42	26
560 HGB 08-90	560 HG 08-90	8	6	18	9	42	26
560 HGB 10-90	560 HG 10-90	10	7	18	9	42	26

Acoplador de Manguera con Autobloqueo 90°

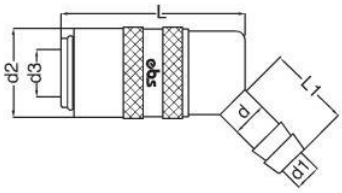
90° Coupler for self-locking hose



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 FGB 10-90	560 FG 10-90	10	7	18	9	42	26

Acoplador de Manguera 45°

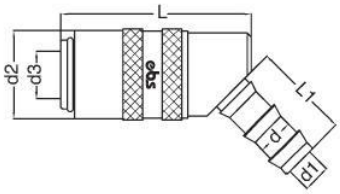
45° Hose Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 HGB 06-45	560 HG 06-45	6	4.5	18	9	42	26
560 HGB 08-45	560 HG 08-45	8	6	18	9	42	26
560 HGB 10-45	560 HG 10-45	10	7	18	9	42	26

Acoplador de Manguera con Autobloqueo 45°

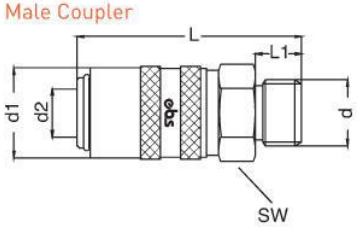
45° Coupler for self-locking hose



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 FGB 10-45	560 FG 10-45	10	7	18	9	42	26

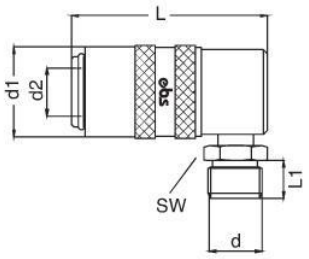
560 SERIES

Acoplador Macho
Male Coupler



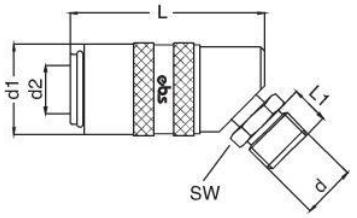
Ref. No. Order No	Ref. No. Order No	d	d1	d2	L	L1	SW
560 EGB 13	560 EG 13	BSP 1/4''	18	9	47.5	9	17
560 EGB 17	560 EG 17	BSP 3/8''	18	9	47.5	9	17
560 EGB M10	560 EG M10	M10x1.0	18	9	47.5	9	17
560 EGB M14	560 EG M14	M14x1.5	18	9	47.5	9	17

Acoplador Macho 90°
90° Male Coupler



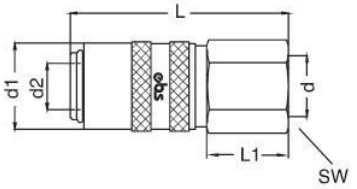
Ref. No. Order No	Ref. No. Order No	d	d1	d2	L	L1	SW
560 EGB 13-90	560 EG 13-90	BSP 1/4''	18	9	42	9	14
560 EGB 17-90	560 EG 17-90	BSP 3/8''	18	9	42	9	17
560 EGB M14-90	560 EG M14-90	M14x1.5	18	9	42	9	17

Acoplador Macho 45°
45° Male Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	L	L1	SW
560 EGB 13-45	560 EG 13-45	BSP 1/4''	18	9	42	9	14
560 EGB 17-45	560 EG 17-45	BSP 3/8''	18	9	42	9	17
560 EGB M14-45	560 EG M14-45	M14x1.5	18	9	42	9	17

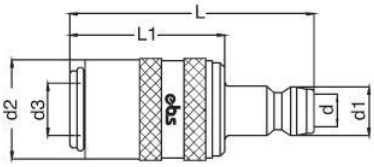
Acoplador Hembra
Female Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	L	L1	SW
560 DGB 13	560 DG 13	BSP 1/4''	18	9	47.5	9	17
560 DGB 17	560 DG 17	BSP 3/8''	18	9	47.5	9	21
560 DGB M10	560 DG M10	M10x1.0	18	9	47.5	9	17
560 DGB M14	560 DG M14	M14x1.5	18	9	47.5	9	17

Acoplador Adaptador

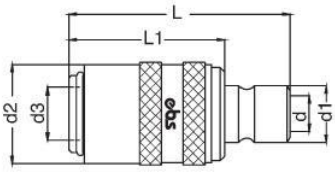
Adapter Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 AUB 590	560 AU 590	5.5	13	18	9	58.5	44

Acoplador Adaptador

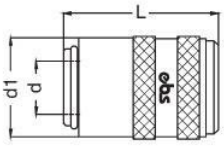
Adapter Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	d2	d3	L	L1
560 AUB 509	560 AU 509	6	9	18	9	56	44

Acoplador Adaptador

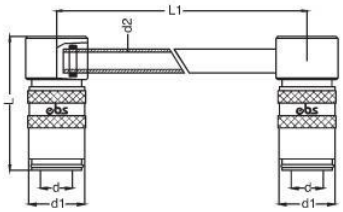
Adapter Coupler



Ref. No. Order No	Ref. No. Order No	d	d1	L
560 KGB 00	560 KG 00	9	18	31.5

Acopladores de Puente

Bridge Couplers

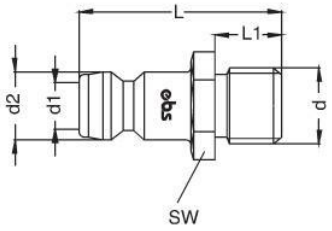


Ref. No. Order No	Ref. No. Order No	d	d1	d2	L	L1
560 KGB 125	560 KG 125	9	18	8x1	44	125
560 KGB 250	560 KG 250	9	18	8x1	44	250
560 KGB 500	560 KG 500	9	18	8x1	44	500

560 SERIES

Racor Macho

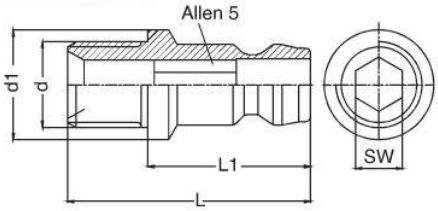
Male Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
560 ER 10	BSP 1/8''	5.5	9	24	7	11
560 ER 13	BSP 1/4''	5.5	9	26	9	13
560 ER 17	BSP 3/8''	5.5	9	26	9	17
560 ER M8	M8X1.25	5.5	9	24	7	11
560 ER M10	M10X1.5	5.5	9	24	7	13
560 ER M12	M12X1.75	5.5	9	26	9	13
560 ER M10-1	M10X1.0	5.5	9	24	9	11
560 ER M14	M14X1.5	5.5	9	26	9	17

Racor Hex. interno

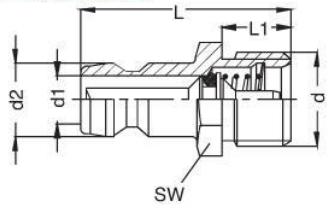
Inner Hex. Plug



Ref. No. Order No	d	d1	L	L1	SW
560 AER M8-1	M8x1.25	10	24	17	5
560 AER M10	M10x1.5	11	24	17	5
560 AER M8	M8x0.75	10	24	17	5
560 AER M10-1	M10x1.0	11	24	17	5
560 AER 10	BSP 1/8''	10	24	17	5
560 AER 13	BSP 1/4''	11	24	17	5

Racor Con Válvula

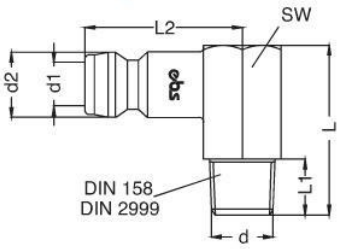
Plug With Valve



Ref. No. Order No	d	d1	d2	L	L1	SW
560 ERB 13	BSP 1/4''	5.5	9	30	12	13
560 ERB 17	BSP 3/8''	5.5	9	30	12	17
560 ERB M14	M14X1.5	5.5	9	30	12	17

Racor Macho 90°

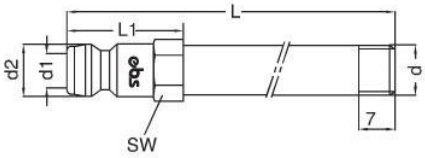
90° Male Plug



Ref. No. Order No	d	d1	d2	L	L1	L2	SW
560 ER 10-90	BSP 1/8''	5.5	9	27	9	23	10
560 ER 13-90	BSP 1/4''	5.5	9	34	12	23	14
560 ER 17-90	BSP 3/8''	5.5	9	34	12	23	17
560 ER M8-90	M8X1.25	5.5	9	27	9	23	10
560 ER M10-90	M10X1.5	5.5	9	27	9	23	10
560 ER M12-90	M12X1.75	5.5	9	27	9	23	13
560 ER M10-1-90	M10X1.0	5.5	9	27	9	23	10
560 ER M14-90	M14X1.5	5.5	9	34	12	23	14

Racor Extensión Con Rosca

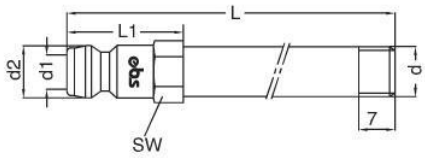
Extension Plug With Thread



Ref. No. Order No	d	d1	d2	L	L1	SW
560 ER 10-60	BSP 1/8"	5,5	9	60	20	11
560 ER 10-80	BSP 1/8"	5,5	9	80	20	11
560 ER 10-100	BSP 1/8"	5,5	9	100	20	11
560 ER 10-120	BSP 1/8"	5,5	9	120	20	11
560 ER 10-150	BSP 1/8"	5,5	9	150	20	11

Racor Extensión Con Rosca

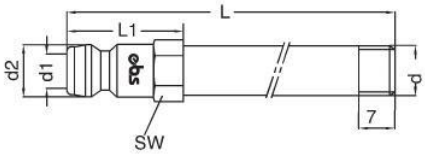
Extension Plug With Thread



Ref. No. Order No	d	d1	d2	L	L1	SW
560 ER 13-60	BSP 1/4"	5,5	9	60	20	13
560 ER 13-80	BSP 1/4"	5,5	9	80	20	13
560 ER 13-100	BSP 1/4"	5,5	9	100	20	13
560 ER 13-120	BSP 1/4"	5,5	9	120	20	13
560 ER 13-150	BSP 1/4"	5,5	9	150	20	13

Racor Extensión Con Rosca

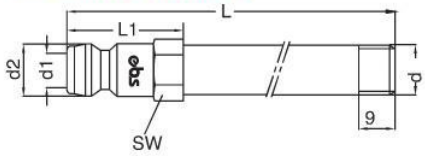
Extension Plug With Thread



Ref. No. Order No	d	d1	d2	L	L1	SW
560 ER M10-60	M10x1.5	5,5	9	60	20	13
560 ER M10-80	M10x1.5	5,5	9	80	20	13
560 ER M10-100	M10x1.5	5,5	9	100	20	13
560 ER M10-120	M10x1.5	5,5	9	120	20	13
560 ER M10-150	M10x1.5	5,5	9	150	20	13

Racor Extensión Con Rosca

Extension Plug With Thread



Ref. No. Order No	d	d1	d2	L	L1	SW
560 ER M12-60	M12x1.75	5,5	9	60	20	13
560 ER M12-80	M12x1.75	5,5	9	80	20	13
560 ER M12-100	M12x1.75	5,5	9	100	20	13
560 ER M12-120	M12x1.75	5,5	9	120	20	13
560 ER M12-150	M12x1.75	5,5	9	150	20	13

SR SERIES

Especificaciones técnicas - Technical Specifications

SR SERIES

Material - Material

Cuerpo : Latón
Body Brass

Rango de temperatura - Temperature Range -5°C +180°C (+41°F +356°F) FPM (V)

Presión de trabajo - Working Pressure 0 - 15 bar (0 - 217 PSI)

Capacidad de caudal - Flow Capacity 8 mm

Versión Estándar Standard Version

Latón Brass

***Opciones** *Options

Acero inoxidable Stainless Steel

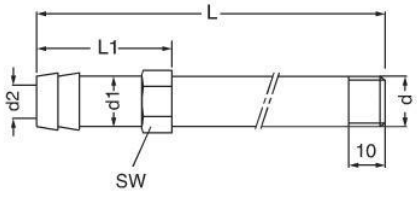
Zonas de empleo Using Area

En aplicaciones de regulación de temperatura con agua fría o caliente, aceite, etc.
Industrias de moldeo por inyección

On temperature regulation applications with hot or cold water,oil etc
Injection moulding industries

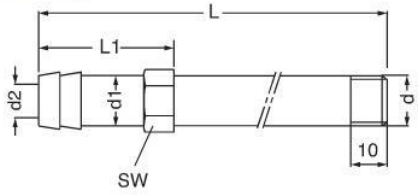
SR SERIES

Racor de Manguera
Hose Plug



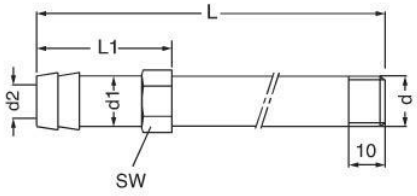
Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER 10	G 1/8"	12	6	40	28	13
SR ER 10-60	G 1/8"	12	6	60	28	13
SR ER 10-80	G 1/8"	12	6	80	28	13
SR ER 10-100	G 1/8"	12	6	100	28	13
SR ER 10-120	G 1/8"	12	6	120	28	13
SR ER 10-150	G 1/8"	12	6	150	28	13

Racor de Manguera
Hose Plug



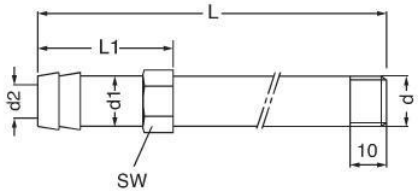
Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER 13	G 1/4"	12	7	40	28	14
SR ER 13-60	G 1/4"	12	7	60	28	14
SR ER 13-80	G 1/4"	12	7	80	28	14
SR ER 13-100	G 1/4"	12	7	100	28	14
SR ER 13-120	G 1/4"	12	7	120	28	14
SR ER 13-150	G 1/4"	12	7	150	28	14

Racor de Manguera
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER 17	G 3/8"	12	7	40	28	17
SR ER 17-60	G 3/8"	12	7	60	28	17
SR ER 17-80	G 3/8"	12	7	80	28	17
SR ER 17-100	G 3/8"	12	7	100	28	17
SR ER 17-120	G 3/8"	12	7	120	28	17
SR ER 17-150	G 3/8"	12	7	150	28	17

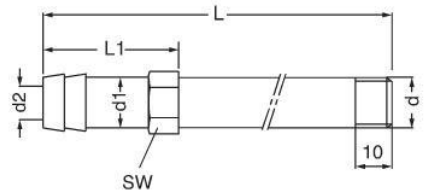
Hortum Uçlar
Hose Plugs



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M8	M8x1.25	12	5	40	28	13
SR ER M8-60	M8x1.25	12	5	60	28	13
SR ER M8-80	M8x1.25	12	5	80	28	13
SR ER M8-100	M8x1.25	12	5	100	28	13
SR ER M8-120	M8x1.25	12	5	120	28	13
SR ER M8-150	M8x1.25	12	5	150	28	13

Racor de Manguera

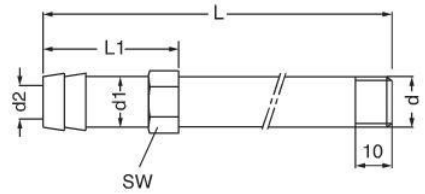
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M10	M10x1.5	12	6	40	28	13
SR ER M10-60	M10x1.5	12	6	60	28	13
SR ER M10-80	M10x1.5	12	6	80	28	13
SR ER M10-100	M10x1.5	12	6	100	28	13
SR ER M10-120	M10x1.5	12	6	120	28	13
SR ER M10-150	M10x1.5	12	6	150	28	13

Racor de Manguera

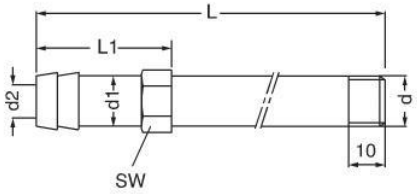
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M12	M12x1.75	12	7	40	28	13
SR ER M12-60	M12x1.75	12	7	60	28	13
SR ER M12-80	M12x1.75	12	7	80	28	13
SR ER M12-100	M12x1.75	12	7	100	28	13
SR ER M12-120	M12x1.75	12	7	120	28	13
SR ER M12-150	M12x1.75	12	7	150	28	13

Racor de Manguera

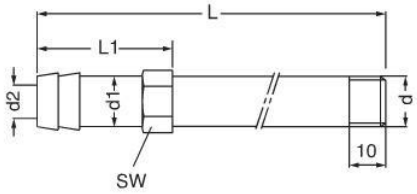
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M14	M14x2	12	7	40	28	14
SR ER M14-60	M14x2	12	7	60	28	14
SR ER M14-80	M14x2	12	7	80	28	14
SR ER M14-100	M14x2	12	7	100	28	14
SR ER M14-120	M14x2	12	7	120	28	14
SR ER M14-150	M14x2	12	7	150	28	14

Racor de Manguera

Hose Plug

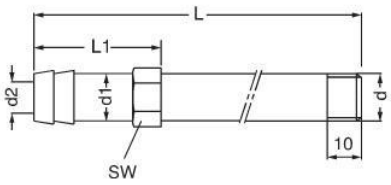


Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M16	M16x2	12	7	40	28	16
SR ER M16-60	M16x2	12	7	60	28	16
SR ER M16-80	M16x2	12	7	80	28	16
SR ER M16-100	M16x2	12	7	100	28	16
SR ER M16-120	M16x2	12	7	120	28	16
SR ER M16-150	M16x2	12	7	150	28	16

SR SERIES

Racor de Manguera

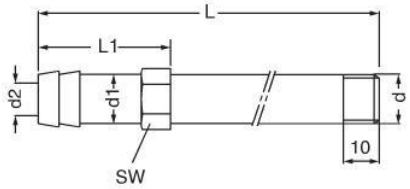
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M8x175	M8x1.25	12	5	175	28	13
SR ER M8x200	M8x1.25	12	5	200	28	13
SR ER M8x225	M8x1.25	12	5	225	28	13
SR ER M8x250	M8x1.25	12	5	250	28	13
SR ER M8x300	M8x1.25	12	5	300	28	13
SR ER M8x350	M8x1.25	12	5	350	28	13
SR ER M8x400	M8x1.25	12	5	400	28	13

Racor de Manguera

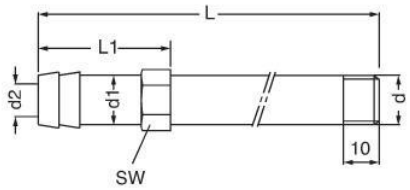
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER 10x175	G 1/8"	12	6,5	175	28	13
SR ER 10x200	G 1/8"	12	6,5	200	28	13
SR ER 10x225	G 1/8"	12	6,5	225	28	13
SR ER 10x250	G 1/8"	12	6,5	250	28	13
SR ER 10x300	G 1/8"	12	6,5	300	28	13
SR ER 10x350	G 1/8"	12	6,5	350	28	13
SR ER 10x400	G 1/8"	12	6,5	400	28	13

Racor de Manguera

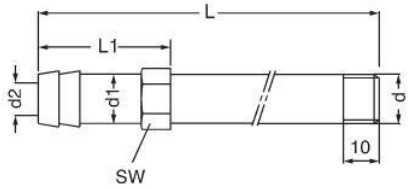
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER 13x175	G 1/4"	12	7	175	28	14
SR ER 13x200	G 1/4"	12	7	200	28	14
SR ER 13x225	G 1/4"	12	7	225	28	14
SR ER 13x250	G 1/4"	12	7	250	28	14
SR ER 13x300	G 1/4"	12	7	300	28	14
SR ER 13x350	G 1/4"	12	7	350	28	14
SR ER 13x400	G 1/4"	12	7	400	28	14

Racor de Manguera

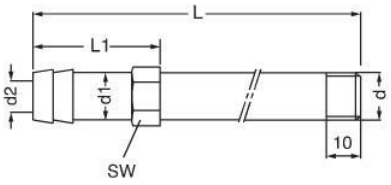
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER 17x175	G 3/8"	12	7	175	28	17
SR ER 17x200	G 3/8"	12	7	200	28	17
SR ER 17x225	G 3/8"	12	7	225	28	17
SR ER 17x250	G 3/8"	12	7	250	28	17
SR ER 17x300	G 3/8"	12	7	300	28	17
SR ER 17x350	G 3/8"	12	7	350	28	17
SR ER 17x400	G 3/8"	12	7	400	28	17

Racor de Manguera

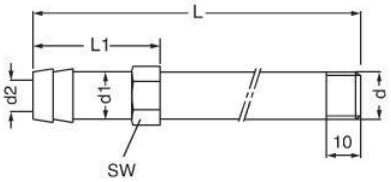
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M10x175	M10x1.5	12	6	175	28	13
SR ER M10x200	M10x1.5	12	6	200	28	13
SR ER M10x225	M10x1.5	12	6	225	28	13
SR ER M10x250	M10x1.5	12	6	250	28	13
SR ER M10x300	M10x1.5	12	6	300	28	13
SR ER M10x350	M10x1.5	12	6	350	28	13
SR ER M10x400	M10x1.5	12	6	400	28	13

Racor de Manguera

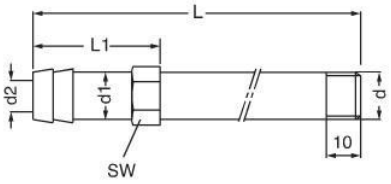
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M12x175	M12x1.75	12	7	175	28	13
SR ER M12x200	M12x1.75	12	7	200	28	13
SR ER M12x225	M12x1.75	12	7	225	28	13
SR ER M12x250	M12x1.75	12	7	250	28	13
SR ER M12x300	M12x1.75	12	7	300	28	13
SR ER M12x350	M12x1.75	12	7	350	28	13
SR ER M12x400	M12x1.75	12	7	400	28	13

Racor de Manguera

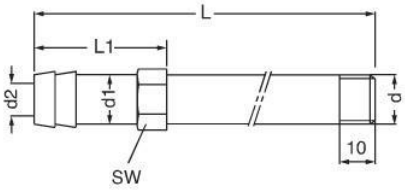
Hose Plug



Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M14x175	M14x2	12	7	175	28	14
SR ER M14x200	M14x2	12	7	200	28	14
SR ER M14x225	M14x2	12	7	225	28	14
SR ER M14x250	M14x2	12	7	250	28	14
SR ER M14x300	M14x2	12	7	300	28	14
SR ER M14x350	M14x2	12	7	350	28	14
SR ER M14x400	M14x2	12	7	400	28	14

Racor de Manguera

Hose Plug

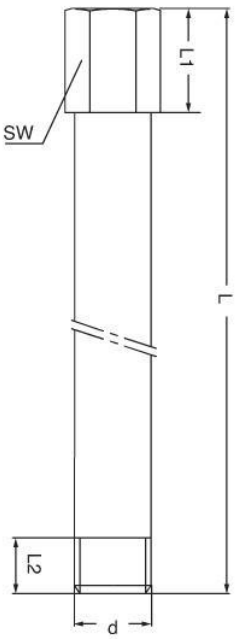


Ref. No. Order No	d	d1	d2	L	L1	SW
SR ER M16x175	M16x2	12	7	175	28	16
SR ER M16x200	M16x2	12	7	200	28	16
SR ER M16x225	M16x2	12	7	225	28	16
SR ER M16x250	M16x2	12	7	250	28	16
SR ER M16x300	M16x2	12	7	300	28	16
SR ER M16x350	M16x2	12	7	350	28	16
SR ER M16x400	M16x2	12	7	400	28	16

UZR SERIES

Racor de Manguera con Rosca

Hose Plug with Threads



Ref. No. Order No	Conexion (Macho) Connection (Male)	Conexion (Hembra) Connection (Female)	L	L1	L2	SW
UZR 10-60	G 1/8"	G 1/8"	60	12	10	14
UZR 10-80	G 1/8"	G 1/8"	80	12	10	14
UZR 10-100	G 1/8"	G 1/8"	100	12	10	14
UZR 10-120	G 1/8"	G 1/8"	120	12	10	14
UZR 10-150	G 1/8"	G 1/8"	150	12	10	14
UZR 13-60	G 1/4"	G 1/4"	60	12	10	16
UZR 13-80	G 1/4"	G 1/4"	80	12	10	16
UZR 13-100	G 1/4"	G 1/4"	100	12	10	16
UZR 13-120	G 1/4"	G 1/4"	120	12	10	16
UZR 13-150	G 1/4"	G 1/4"	150	12	10	16
UZR 17-60	G 3/8"	G 3/8"	60	12	10	19
UZR 17-80	G 3/8"	G 3/8"	80	12	10	19
UZR 17-100	G 3/8"	G 3/8"	100	12	10	19
UZR 17-120	G 3/8"	G 3/8"	120	12	10	19
UZR 17-150	G 3/8"	G 3/8"	150	12	10	19
UZR 10-13-60	G 1/8"	G 1/4"	60	12	10	16
UZR 10-13-80	G 1/8"	G 1/4"	80	12	10	16
UZR 10-13-100	G 1/8"	G 1/4"	100	12	10	16
UZR 10-13-120	G 1/8"	G 1/4"	120	12	10	16
UZR 10-13-150	G 1/8"	G 1/4"	150	12	10	16
UZR 13-10-60	G 1/4"	G 1/8"	60	12	10	14
UZR 13-10-80	G 1/4"	G 1/8"	80	12	10	14
UZR 13-10-100	G 1/4"	G 1/8"	100	12	10	14
UZR 13-10-120	G 1/4"	G 1/8"	120	12	10	14
UZR 13-10-150	G 1/4"	G 1/8"	150	12	10	14
UZR 10-17-60	G 1/8"	G 3/8"	60	12	10	19
UZR 10-17-80	G 1/8"	G 3/8"	80	12	10	19
UZR 10-17-100	G 1/8"	G 3/8"	100	12	10	19
UZR 10-17-120	G 1/8"	G 3/8"	120	12	10	19
UZR 10-17-150	G 1/8"	G 3/8"	150	12	10	19
UZR 17-10-60	G 3/8"	G 1/8"	60	12	10	17
UZR 17-10-80	G 3/8"	G 1/8"	80	12	10	17
UZR 17-10-100	G 3/8"	G 1/8"	100	12	10	17
UZR 17-10-120	G 3/8"	G 1/8"	120	12	10	17
UZR 17-10-150	G 3/8"	G 1/8"	150	12	10	17
UZR 13-17-60	G 1/4"	G 3/8"	60	12	10	19
UZR 13-17-80	G 1/4"	G 3/8"	80	12	10	19
UZR 13-17-100	G 1/4"	G 3/8"	100	12	10	19
UZR 13-17-120	G 1/4"	G 3/8"	120	12	10	19
UZR 13-17-150	G 1/4"	G 3/8"	150	12	10	19
UZR 17-13-60	G 3/8"	G 1/4"	60	12	10	17
UZR 17-13-80	G 3/8"	G 1/4"	80	12	10	17
UZR 17-13-100	G 3/8"	G 1/4"	100	12	10	17
UZR 17-13-120	G 3/8"	G 1/4"	120	12	10	17
UZR 17-13-150	G 3/8"	G 1/4"	150	12	10	17