

## Fixing Elements with Arrowhead

### Features and Benefits



- Fixing part with rounded arrowhead to minimise assembly height
- Ideal for applications where space is limited
- Bundle diameter is defined
- Suitable for post-installation of bundles



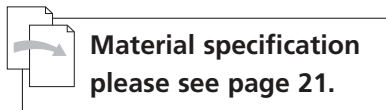
The very low Arrowhead is specially designed for narrow installation spaces.



The OmegaClip KSFT6,5OC7-9 can be used repeatedly and flexibly to bundle cables, pipes or hoses.

Article-No.	Type	Height (H)	Attach to Ø	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Material	Colour	Drawing
151-00673	KSFT6.5OC1-3	14.4	1.0 - 3.0	6.3 - 6.7	2.3	2.7	PA66HIRHS	Black (BK)	
151-00674	KSFT6,5 OC 7-9	21.6	7.0 - 9.0	6.3 - 6.7	2.3	2.7	PA66HIRHS	Black (BK)	


All dimensions in mm. Subject to technical changes.



## Fixing Elements with Fir Tree

### Features and Benefits

- Easy to install without the need for a tool
- Disc covers the hole to prevent dirt and water gaining access
- Bundle diameter is defined
- Suitable for post-installation of bundles

Article-No.	Type	Height (H)	Attach to Ø	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Material	Colour	Drawing
151-00680	HC48FT6	20.8	4.3 - 5.2	6.5 - 7.0	0.7	2.8	PA66HIRHS	Black (BK)	

All dimensions in mm. Subject to technical changes.

## Fixing Elements for Tubes and Harnesses

- PC-Series with Arrowhead
- PC-Series with Firtree

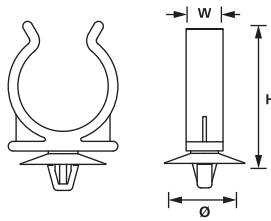
Pipe clips offering a simple and time saving fixing method for hoses and pipes even when a cable tie can't be used.

### Features and Benefits


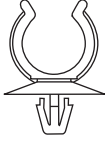
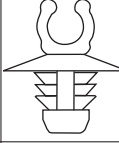
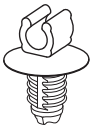
- Fixing elements with fir tree or arrow head
- Simply clip on a wire or hose
- Clips to be attached into bore hole
- Bundels can be released at any time



For quick and simple routing of tubes and harnesses.



PC-Clip with Arrowhead

Article-No.	Type	Width (W)	Height (H)	Height (H2)	Disc Ø	Bundle Ø max.	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Material	Colour	Drawing
151-14700	PC35LAH	8.0	10.5	5.0	–	3.5	4.7	0.8	2.0	PA66	Black (BK)	
151-14300	PC23	10.0	36.0	6.5	22.0	24.0	6.3	0.6	1.6	PA66	Black (BK)	
151-00119	PC5DP7S	8.0	9.5	8.1	16.0	5.0	7.0	0.8	3.0	PA66	Black (BK)	
151-14801	PC5DP7L	–	9.5	12.6	16.0	5.0	7.0	0.8	7.0	PA46	Black (BK)	

All dimensions in mm. Subject to technical changes.



Material specification  
please see page 21.

## Fixing Elements for Tubes and Harnesses, interconnectable

### • IPC-Series

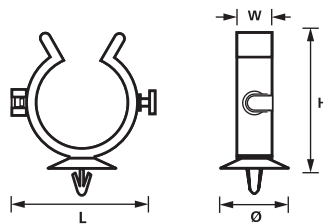
Originally designed for the automotive industry they are finding a wide and time saving variety of applications in all industries where the use of a cable tie is not suitable.

### Features and Benefits

- Fixing elements with fir tree or arrow head
- Simply clip on a wire or hose
- Clips to be attached into bore hole
- Bundels can be released at any time



Simple and secure installation of pipes or hoses to panels.



IPC Clip with arrowhead

IPC-Series can be combined with IAHC-Series on page 95. Please contact us!

Material specification please see page 21.

Article-No.	Type	Height (H)	Width (W)	Disc Ø	Bundle Ø max.	Fixing Hole Ø (FH)	Panel Thickness max.	Material	Colour
Connectable Arrowhead									
151-00096	IPC10AH	18.4	10.0	22.0	12.5	6.3	1.6	PA66	Black (BK)
151-14130	IPC13AH	21.0	10.0	22.0	13.5	6.3	1.6	PA66	Black (BK)
151-14500	IPC15AH	23.0	10.0	22.0	14.7	6.3	1.6	PA66	Black (BK)
151-14601	IPC23AH	34.0	10.0	22.0	25.0	6.3	1.6	PA66	Black (BK)
Connectable									
151-00870	IPC5P	9.8	10.0	–	6.0	–	–	PA66	Black (BK)
151-14400	IPC10P	15.0	10.0	–	12.5	–	–	PA66HIR	Black (BK)
151-14132	IPC13P	17.4	10.0	–	13.5	–	–	PA66	Black (BK)
151-14502	IPC15P	19.5	10.0	–	14.7	–	–	PA66HIR	Black (BK)
151-14603	IPC23P	30.5	10.0	–	25.0	–	–	PA66	Black (BK)

All dimensions in mm. Subject to technical changes.

## Fixing Elements for Tubes and Harnesses with Automatic Locking Feature

### • AHC-Serie

Offering a simple and secure method of attaching cables to panels. Originally designed for the automotive industry they are finding a wide variety of applications in all industries using sheet metal panels.

### Features and Benefits

- Push and click closure for fixation of wires
- Clip is clicked into a specific hole
- AHC\_SS und AHC\_SB can be pushed onto a 5mm stud



Automatic Harness Clip open.



Automatic Harness Clip closed.



**Material specification  
please see page 21.**

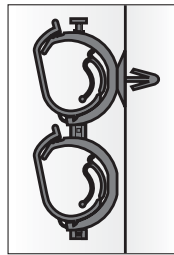
Article-No.	Type	Length (L)	Length (L2)	Width (W)	Disc Ø	Bundle Ø max.	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Material	Drawing
151-00366	AHC1AH	25.0	7.0	10.0	20.0	13.0	6.2 - 6.7	0.50	2.00	PA66HIRHS	
151-00367	AHC2AH	29.5	7.0	10.0	20.0	20.0	6.2 - 6.7	0.50	2.00	PA66HIRHS	
151-00374	AHC4AH	58.0	7.5	13.5	24.0	36.0	6.2 - 6.7	0.70	3.00	PA66HIR	
151-00208	AHC2BH	29.0	7.0	10.0	20.0	20.0	6.2 x 12.2	0.7	3.0	PA66HIRHS	
151-00370	AHC3BHR	40.0	7.0	10.0	24.0	28.0	6.2 x 12.2	0.7	3.0	PA66HIRHS	
151-00371	AHC3CHR	40.0	7.0	10.0	24.0	28.0	6.2 x 12.2	0.7	3.0	PA6HIR	
151-00368	AHC2SS	29.0	-	10.0	-	20.0	-	-	-	PA66HIRHS	
151-00373	AHC3SB	41.0	-	10.0	27.0	28.0	-	-	-	PA66HIRHS	
151-00181	AHC3DH	66.0	-	10.0	-	28.0	6.2 x 12.2	0.50	2.00	PA66HIRHS	
151-00928	AHC3EH2	44.2	5.2	11.0	24.0	28.0	6.2 x 12.2	1.80	4.80	PA66HIRHS	

All dimensions in mm. Subject to technical changes.

## Fixing Elements for Tubes and Harnesses with Automatic Locking Feature

### • IAHC-Series

Offering a simple and secure method of attaching cables to panels. Originally designed for the automotive industry they are finding a wide variety of applications in all industries using sheet metal panels.



IAHC elements can be connected.



**Material specification  
please see page 21.**

### Features and Benefits

- Push and click closure
- Coupling elements of the IAHC variants allow parts to interconnect
- Clip is clicked into a specific hole
- IAHC\_T can only be connected with another (!)AHC element

Article-No.	Type	Length (L)	Length (L2)	Width (W)	Disc Ø	Bundle Ø max.	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Material	Drawing
151-00223	IAHC1T	23.0	–	10.0	–	13.0	–	–	–	PA66HIRHS	
151-00199	IAHC2T	30.0	–	10.0	–	20.0	–	–	PA66HIRHS		
151-00213	IAHC3T	40.0	–	10.0	–	28.0	–	–	PA66HIRHS		
151-00207	IAHC4T	47.0	–	13.5	–	36.0	–	–	PA66HIRHS		
151-00195	IAHC5T	57.0	–	13.5	–	45.0	–	–	PA66HIRHS		
151-00378	IAHC3AH	40.0	7.5	13.5	24.0	28.0	6.2 - 6.7	0.7	2.7	PA66HIRHS	
151-00382	IAHC4AH	48.0	7.0	13.5	24.0	36.0	6.2 - 6.7	0.7	3.0	PA66HIRHS	
151-00384	IAHC5BH	57.0	7.0	13.5	24.0	45.0	6.2 x 12.2	0.7	3.0	PA66HIRHS	
151-00381	IAHC3CH	40.0	7.0	13.5	24.0	28.0	6.2 x 12.2	0.7	3.0	PA66HIRHS	
151-00383	IAHC4CH	47.0	7.0	13.5	24.0	36.0	6.2 x 12.2	0.7	3.0	PA66HIRHS	
151-00787	IAHC5FH	61.5	4.1	13.5	24.0	45.0	6.2 x 12.2	1.5	3.0	PA66HIRHS	
151-00489	IAHC3EH	44.5	4.8	13.5	24.0	28.0	6.2 x 12.2	1.5	3.1	PA66HIRHS	

All dimensions in mm. Subject to technical changes.

## Fixing Elements for Tubes and Harnesses, for Edges

### • EdgeClip-Family

#### Features and Benefits

- Releasable fixing elements with EdgeClip
- Low-vibration routing of bigger bundle diameters
- Clips to be pushed onto an edge
- To be closed single handed, a snap can be felt
- Bundles can be released at any time
- EC27: fixing element enables usage of smaller bundle diameter
- EC41: for parallel guidance of two bundles



EdgeClip cable and tube clips are suitable for the low-vibration routing of cables and tubes with larger bundle diameters.



Material specification  
please see page 21.

Article-No.	Type	Panel Thickness min.	Panel Thickness max.	Bundle Ø max.	Colour	Material	Drawing
151-00161	EC27	1.0	3.0	15.0 - 22.0 mm	Black (BK)	PA66HIRHS	
151-00174	EC39	1.0	3.0	15.3 - 15.9 mm	Black (BK)	PA6HIR	
151-00234	EC41	3.0	6.0	2 x 8.0 mm	Black (BK)	PA66HIR	
151-00610	HCEC3.0SP-C	1.0	3.0	12.0 - 15.0 mm	Black (BK)	PA66HIRHS	

All dimensions in mm. Subject to technical changes.

## Fixing Elements for Corrugated Tubing, with Arrowhead

These clamps are used for example in the automotive industry, in the production of cable harnesses and in the electrical industry. Their quick and easy mounting is the reason for their universal success wherever corrugated tubing and pipes have to be fixed quickly and securely.

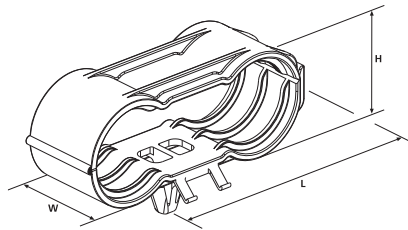
### Features and Benefits

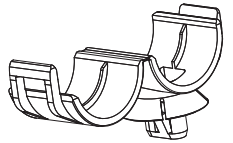
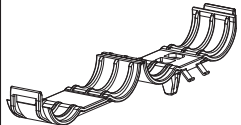
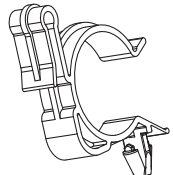
- Clamps for corrugated tubing for a variety of nominal diameters
- Arrowhead simply locks into place
- Tube is guided accurately by clicking
- Axial slipping is prevented by the inside profile of the clamp
- Type RCCD for oval holes 6.2 x 12.2 mm
- OCTCSFT6,5 clamp for corrugated tubes for nom. diameter of 55-80 mm.
- CTC-L profile clamp can also be fastened to a metal edge



Simple and secure installation of pipes or hoses to panels.

 **Material specification please see page 21.**



Article-No.	Type	Length (L)	Width (W)	Height (H)	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Colour	Material	Drawing
150-92300	RCC D21*	31.0	22,0	30,0	6.2 x 12.2	0.7	2.5	Black (BK)	PA66HIRHS	
155-04000	RCC D24*	33.0	22.0	33.0	6.2 x 12.2	0.7	2.5	Black (BK)	PA66HIRHS	
151-00598	RCC D28*	37.0	22.0	37.0	6.75 x 13.25	0.7	3.0	Black (BK)	PA66HIRHS	
151-00021	OCTCSFT6.5	64.0	20.0	24.5	6.3 - 6.6	1.0	2.5	Black (BK)	PA66HIRHS	
151-00026	CTCLPROFILE	49.7	12.0	47.0	7.8 - 8.2	2.3	2.7	Black (BK)	PA66HIRHS	

All dimensions in mm. Subject to technical changes.

\* for oval hole

## Fixing Elements for Corrugated Tubing, with Fir Tree

### • CTC-Series

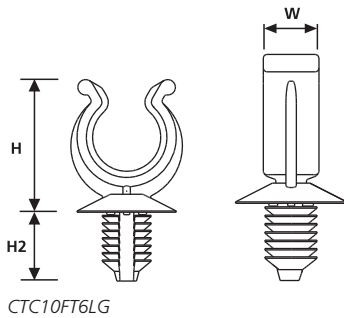
CTC clamps are used for example in the automobile, harness making, electrical industry and wherever corrugated tubing has to be quickly and firmly fixed.

### Features and Benefits

- CTC clamps for a variety of nominal diameters
- Fir tree foot part can be used for a variety of panel thicknesses
- Suitable for use within threaded holes
- Tube is guided accurately by clicking
- Axial slipping is prevented by the inside profile of the clamp



The tubing is clicked into the CTC clamp and is held firmly.



Material specification  
please see page 21.

Article-No.	Type	Width (W)	Height (H)	Height (H2)	Nominal Ø	Disc Ø	Fixing Hole Ø (FH)	Panel Thickness min.	Panel Thickness max.	Material
151-14314	CTC4.5FT6LG	10.0	16.1	11.1	4.5	16.0	6.5 - 7.0	0.75	6.0	PA66HIRHS
151-14313	CTC7.5FT6LG	8.0	18.6	11.1	7.5	16.0	6.5 - 7.0	0.75	6.0	PA66HIRHS
155-31602	CTC7.5FT9	8.0	19.9	12.2	7.5	23.0	8.7 - 9.0	3.0	5.0	PA66HIRHS
151-00794	CTC8.5FT6	8.0	18.6	11.1	8.5	16.0	6.5 - 7.0	0.75	3.0	PA66HIRHS
151-14311	CTC10FT6	8.0	21.4	7.5	10.0	16.0	6.5 - 7.0	0.75	3.0	PA66HIRHS
151-00018	CTC10FT6LG	8.0	21.4	11.1	10.0	16.0	6.5 - 7.0	0.75	6.0	PA66HIRHS
155-17801	CTC10FT9	8.0	22.7	12.2	10.0	23.0	8.7 - 9.0	3.0	5.0	PA66HIRHS
151-14312	CTC13FT6	8.0	25.2	7.5	13.0	16.0	6.5 - 7.0	0.75	3.0	PA66HIRHS
151-00019	CTC13FT6LG	8.0	25.2	11.1	13.0	16.0	6.5 - 7.0	0.75	6.0	PA66HIRHS
151-00783	CTCFT6	11.0	18.5	9.3	15.0	-	6.3 - 6.7	0.7	4.5	PA66HIRHS
155-25201	CTC22FT9	8.0	37.7	12.2	22.0	23.0	8.7 - 9.0	3.0	5.0	PA66HIRHS

All dimensions in mm. Subject to technical changes.



## Fixing Elements for Corrugated Tubing, for Weld Studs

### • CTC-Series

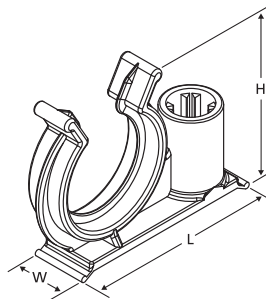
These holders are used for example in the automotive industry, in the production of cable harnesses and in the electrical industry. Their quick and easy mounting is the reason for their universal success wherever corrugated tubing and pipes have to be fixed quickly and securely.

### Features and Benefits

- Fixing elements for corrugated tubing for nominal diameters from 4.5-17mm
- For M6 weld studs
- Soft-Push mechanic for simple assembly, without tool
- Tube is guided accurately by clicking
- Axial slipping is prevented by the inside profile of the clamp
- Clamp can be unscrewed and removed from the weld stud



The tubing is clicked into the CTC clamp and is held firmly.



Material specification  
please see page 21.

Article-No.	Type	Length (L)	Width (W)	Height (H)	Nominal Ø	Colour	Material	Drawing
151-00700	<b>CTC4.5SBS6</b>	28.6	11.0	18.7	4.5	Black (BK)	PA66HIRHS	
151-00701	<b>CTC7.5SBS6</b>	31.8	11.0	19.4	7.5	Black (BK)	PA66HIRHS	
151-00702	<b>CTC10SBS6</b>	35.3	11.0	22.2	10.0	Black (BK)	PA66HIRHS	
151-00703	<b>CTC13SBS6</b>	37.0	11.0	26.5	13.0	Black (BK)	PA66HIRHS	
151-00010	<b>CTC17SBS6</b>	44.6	11.0	33.2	17.0	Black (BK)	PA66HIRHS	

All dimensions in mm. Subject to technical changes.

## Snapper Hose Clips for Tubes and Harnesses

### • SNP-Series

SNP range may replace metal hose clamps. Snapper can be used in markets as diverse as automotive, agriculture, white goods, venting systems, pumps and hydraulic systems to medical engineering.

### Features and Benefits

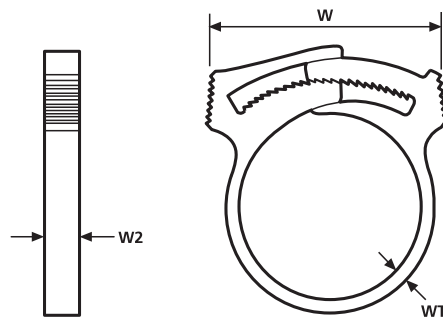
- Releasable and reusable plastic hose clamps
- Self-locking
- Releasable by giving a lateral movement to the 'head'
- Installation by hand possible
- Installation with processing tool for a secure tensioning
- For higher operating temperatures: Glass Filled PA66



SNP - Snapper Hose Clips range.

Application Tool	Registration Numbers
ASNP2-22	1
ASNP24-70	2
MSNP1-70	3

For detailed information on Application Tools please refer to page 140.



SNP - Snapper Hose Clips range

## Snapper Hose Clips for Tubes and Harnesses

- SNP-Series

SNP Snapper are also available on request in material PA66HS and PA46.

Material specification please see page 21.

Article-No.	Type	Bundle Ø min.	Bundle Ø max.	Width (W) min.	Width (W) max.	Width (W2)	Wall (WT)	Material	Colour	Application Tool
192-10010	SNP1	6.0	6.8	8.4	11.7	3.8	1.0	PA66GF13	Black (BK)	3
190-00029	SNP1.25	7.1	7.7	10.4	12.4	3.8	1.1	PA66GF13	Black (BK)	3
193-00150	SNP1.5	7.8	9.2	13.0	17.0	3.7	1.4	PA66GF15	Black (BK)	3
192-10020	SNP2	9.3	10.5	12.2	17.6	5.9	1.7	PA66GF13	Black (BK)	1, 3
192-10040	SNP4	10.4	11.7	13.3	19.2	5.8	1.7	PA66GF13	Black (BK)	1, 3
192-10060	SNP6	11.7	13.3	14.7	21.6	5.9	1.7	PA66GF13	Black (BK)	1, 3
192-10070	SNP7	11.4	13.7	18.4	28.5	5.9	1.7	PA66GF13	Black (BK)	1, 3
192-10080	SNP8	13.1	15.0	16.7	24.9	5.7	1.7	PA66GF13	Black (BK)	1, 3
192-10100	SNP10	14.5	16.6	17.6	26.9	5.9	1.8	PA66GF13	Black (BK)	1, 3
190-00254	SNP12A	15.9	18.2	20.7	29.8	5.9	1.8	PA66GF13	Black (BK)	1, 3
190-00300	SNP14A	18.5	21.0	20.9	30.1	5.9	1.8	PA66GF13	Black (BK)	1, 3
192-10160	SNP16	19.1	21.7	19.9	30.8	5.8	1.5	PA66GF13	Black (BK)	1, 3
190-00258	SNP18A	20.0	23.1	24.3	36.0	6.1	1.8	PA66GF13	Black (BK)	1, 3
190-00090	SNP19	22.3	25.3	23.0	36.2	5.9	1.8	PA66GF13	Black (BK)	1, 3
192-10220	SNP22	23.7	27.4	23.9	37.7	6.0	1.8	PA66GF13	Black (BK)	1, 3
192-10240	SNP24	25.8	29.2	25.5	39.4	7.4	1.7	PA66GF13	Black (BK)	2, 3
190-00127	SNP28	28.8	33.2	25.9	41.8	7.3	1.7	PA66GF13	Black (BK)	2, 3
192-10320	SNP32	31.2	35.8	27.3	44.4	7.3	1.8	PA66GF13	Black (BK)	2, 3
192-10360	SNP36	37.8	44.0	32.4	53.8	7.3	1.7	PA66GF13	Black (BK)	2, 3
192-10380	SNP38	41.0	48.1	35.6	57.5	7.3	1.8	PA66GF13	Black (BK)	2, 3
191-00005	SNP42N	44.5	52.2	35.1	59.1	9.1	1.7	PA66GF13	Black (BK)	2, 3
192-10500	SNP50	52.2	58.6	36.5	60.4	7.3	1.7	PA66GF13	Black (BK)	2, 3
190-00022	SNP1	6.0	6.5	8.1	11.5	3.8	1.0	POM	White (WH)	3
191-10029	SNP2(E)	8.7	10.0	17.0	21.0	6.0	1.5	POM	Natural (NA)	1, 3
191-10039	SNP3(E)	10.0	11.4	19.0	25.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10049	SNP4(E)	10.8	12.3	19.0	23.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10069	SNP6(E)	12.0	13.7	19.0	24.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10089	SNP8(E)	13.7	15.3	19.0	24.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10109	SNP10(E)	15.0	16.8	19.0	24.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10129	SNP12(E)	16.8	18.4	19.0	24.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10149	SNP14(E)	18.1	19.9	19.0	24.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10169	SNP16(E)	19.9	21.7	19.0	24.0	6.0	1.9	POM	Natural (NA)	1, 3
191-10189	SNP18(E)	21.4	23.0	16.0	22.0	6.0	1.9	POM	Natural (NA)	1, 3
191-10209	SNP20(E)	22.7	24.7	20.0	26.0	6.0	1.8	POM	Natural (NA)	1, 3
191-10229	SNP22(E)	25.3	27.3	20.0	26.0	6.0	1.6	POM	Natural (NA)	1, 3
191-10249	SNP24(E)	26.5	28.6	26.5	39.4	7.4	2.5	POM	Natural (NA)	2, 3
191-10329	SNP32(E)	30.3	33.1	27.0	34.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10349	SNP34(E)	32.5	35.1	27.0	34.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10369	SNP36(E)	34.8	37.1	27.0	34.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10389	SNP38(E)	36.7	38.9	27.0	34.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10429	SNP42(E)	41.0	44.2	32.0	45.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10469	SNP46(E)	44.6	47.6	32.0	45.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10509	SNP50(E)	48.8	52.0	32.0	45.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10549	SNP54(E)	52.3	55.7	32.0	45.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10589	SNP58(E)	56.7	59.2	31.0	39.0	7.5	2.0	POM	Natural (NA)	2, 3
191-10629	SNP62(E)	61.1	63.5	31.0	39.0	7.5	2.0	POM	Natural (NA)	2, 3

All dimensions in mm. Subject to technical changes.