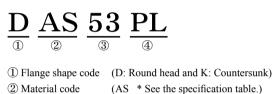
PL Type / For soft materials (Round head · Countersunk)

Product code

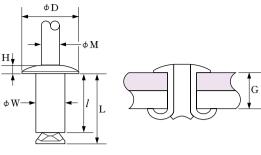


(AS * See the specification table.) ③ Size code (* See the specification table.) ④ Rivet type (PL)

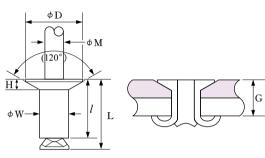
AS specification table

The sleeve spreads widely in four petal-like parts that fasten the materials together. It is mainly used to fasten soft materials, such as plywood and plastic.





(Round head)



(Countersunk)

AS (Sleeve: Aluminum A5154 / fabric, Mandrel: Hard steel wire / zinc plating)

Sleeve Mating hole diameter diameter		Size code	Recommended fastening range G(mm)		l (mm)	L*2	D	H (mm)		M (mm)	Strength ^{*3} (kN)	
W(mm)	W(mm) (mm)	coue	Round head	Countersunk*1	(mm)	(mm)	(mm)	Round head	Countersunk*1	(mm)	Tensile	Shear
	3.4 +0.1	43	1.0 ~ 4.5	1.3 ~ 4.5	8.1	10.1	6.4	1.0	1.1	1.85	0.8	0.8
2.0		44	4.5 ~ 6.0	4.5 ~ 6.0	9.7	11.7						
3.2		46	6.0 ~ 9.2	6.0 ~ 9.2	12.9	14.9						
		48	9.2 ~ 12.4	9.2 ~ 12.4	16.8	18.8						
	4.2 +0.1 0	52	1.0 ~ 2.6	1.6 ~ 2.6	7.3	9.7	8.0	1.2	1.4	2.25	1.3	1.3
		53	1.2 ~ 4.5	2.0 ~ 4.5	8.9	11.3						
4.0		54	4.5 ~ 6.1	4.5 ~ 6.1	10.5	12.9						
		56	6.1 ~ 9.3	6.1 ~ 9.3	13.7	16.1						
		58	9.3 ~ 12.5	9.3 ~ 12.5	16.9	19.3						
	5.0 +0.1	63	1.5 ~ 4.6	1.8 ~ 4.6	9.7	12.4	9.5	1.5	1.6 2.65			
		64	4.6 ~ 6.1	4.6 ~ 6.1	11.3	14.0						
4.8		66	6.1 ~ 9.2	6.1 ~ 9.2	14.5	17.2				2.0	2.1	
		68	9.2 ~ 12.3	9.2 ~ 12.3	17.7	20.4						
		610	12.3 ~ 15.5	12.3 ~ 15.5	20.9	23.6						

*1. Countersunk rivets are made to order. *2. The L lengths are given as guidelines. *3. The strength values are obtained through our own testing.

Remarks) (1) The mandrel is plated with zinc. (Zinc plating is recommended because of the capability of PL rivets.)

(2) The standard dimensions are subject to change without notice.

(3) Please ask us when the required fastening range exceeds the recommended range or when it is around the lower limit.

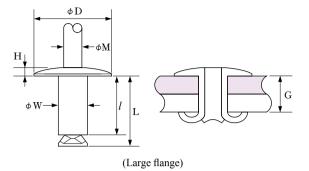


Warning Do not point the rivet setter at another person while riveting. (The mandrel may be broken and the head may fly out.)

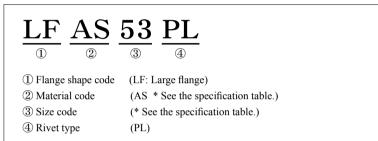
PL Type / For soft materials (Large flange*1)



Symbols of standard dimensions and installation diagram



Product code



AS specification table

AS (Sleeve: Aluminum A5154 / fabric, Mandrel: Hard steel wire / zinc plating)

Sleeve diameter	Mating hole diameter	Size code	Recommended fastening range	<i>l</i> (mm)	L*2 (mm)	D (mm)	H (mm)	M (mm)	Strength ^{*3} (kN)	
W(mm)	(mm)	(mm) G(mm) (mm) (mm)		Large flange	(IIIII)	Tensile	Shear			
3.2	3.4 ^{+0.1} ₀	43	1.0 ~ 4.5	8.1	10.1	8.0 9.5	1.0 1.2	1.85	0.8	0.8
		44	4.5 ~ 6.0	9.7	11.7					
		46	6.0 ~ 9.2	12.9	14.9					
		48	9.2 ~ 12.4	16.8	18.8					
	4.2 +0.1 0	52	1.0 ~ 2.6	7.3	9.7	10.0 12.0		2.25	1.3	1.3
		53	1.2 ~ 4.5	8.9	11.3		1.3 1.5			
4.0		54	4.5 ~ 6.1	10.5	12.9					
		56	6.1 ~ 9.3	13.7	16.1					
		58	9.3 ~ 12.5	16.9	19.3					
	5.0 ^{+0.1} 0	63	1.5 ~ 4.6	9.7	12.4	12.0 13.0 15.5				2.1
		64	4.6~6.1	11.3	14.0		1.7 1.8 2.0			
4.8		66	6.1 ~ 9.2	14.5	17.2			2.65 2.0	2.0	
		68	9.2 ~ 12.3	17.7	20.4					
		610	12.3 ~ 15.5	20.9	23.6					

*1. Large flange rivets are made to order. *2. The L lengths are given as guidelines. *3. The strength values are obtained through our own testing.

Remarks) (1) The mandrel is plated with zinc. (Zinc plating is recommended because of the capability of PL rivets.)

(2) The standard dimensions are subject to change without notice.

(3) Please ask us when the required fastening range exceeds the recommended range or when it is around the lower limit.



Warning Do not point the rivet setter at another person while riveting. (The mandrel may be broken and the head may fly out.)

Product coding system **AS** 53 **1 1 2 3 4 1**

Flange shape code (Table 1)

Code	Туре	Shape	Features		
D	Round head		Standard flange shape		
K	Countersunk		The rivet head is flush with the surface of one of the mating parts.		
LF	Large flange		The flange diameter is large. It is suitable for soft materials.		

Material code (Table 2)

Code	Sleeve material	Mandrel material			
AS	Aluminum A5154 / A5052	Hard steel wire			
AA	Aluminum A5052	High-tensile aluminum wire			
SS	Steel SWCH	Hard steel wire			
CS	Austenitic stainless steel	Hard steel wire			
CC	Austenitic stainless steel	High-tensile stainless steel wire			
AC	Aluminum A5154	High-tensile stainless steel wire			

Rivet type (Table 3)

Туре	Features			
Standard	Blind rivet most commonly used in various industries.			
FX	The rivet in one size fits a wide range of material thicknesses.			
GT	The large-diameter curls pull the workpieces tightly.			
СР	The rivet provides highly airtight fastening, thanks to its plastic cap.			
PL	The sleeve spreads widely in four petal-like parts that fasten the materials. It is mainly used to fasten soft materials.			
PLX	Fastening the fixed mandrel head will reduce abnormal noise and stop running water.			
HL	HL By maintaining the height of the buckling side low, differendesign variations are available.			

Standard type

FX type

GT type

CP type

PL type