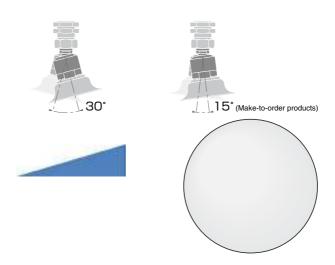


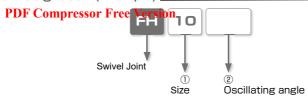


Vacuum Cup Ball Swiveling Attachment Swivel Joint

Suitable for lifting work-pieces with rounded or inclined surface



■ Model Designation (Example)



① Swivel joint size

Code	10	20	60		
Cup size	ø10, ø15	ø20 ~ ø50,	ø60 ~ ø100		
(mm)	Ø 10, Ø 15	4×10 ~ 8×30			

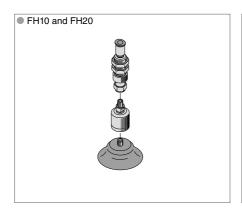
^{*} Joint size code "20" is applicable for cup size Ø10mm and Ø15mm for sponge series due to the structural reasons.

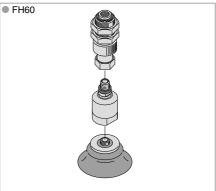
2 Oscillating angle

Code	No code	- 15			
Oscillating angle	30°	15° (option)			

Installing Method

Use a proper tool to tighten the knurling part of FH10 and FH20 or use a wrench to tighten the parallel cut part of FH60. Refer to the dimensional drawings of the parallel cut part.





Swivel Joint

FH Swivel Joint

PDF Compsessor Free Version

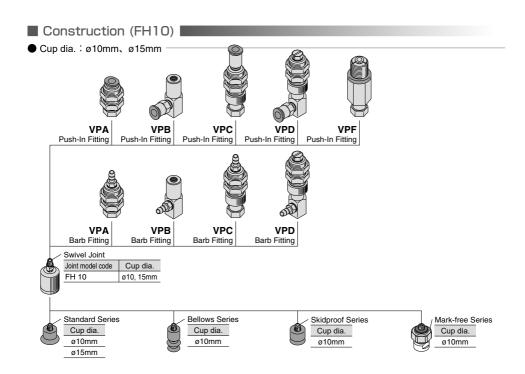




Unit: mm

Model code	M1	M2	A1	A2			L2	øΡ	Hex. H1	Hex. H2	Weight (g)	CAD file name
FH10 🗌	M4×0.7	M4×0.7	3.4	7	23	19.6	11.1	15	4	_	9	1/1/0
FH20□	M6×1	M6×1	6	6.5	28.5	22.5	12.5	20	7	_	19.5	VVP- 229
FH60 🗌	M10×1.5	M10×1.5	10	9.5	40.5	30.5	18.5	28	12	24	57.5	223

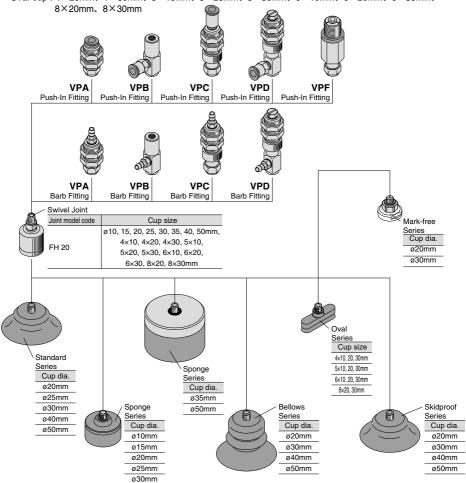
 $[\]divideontimes$ Fill in \square in Model code with "-15" for oscillating angle 15 degrees

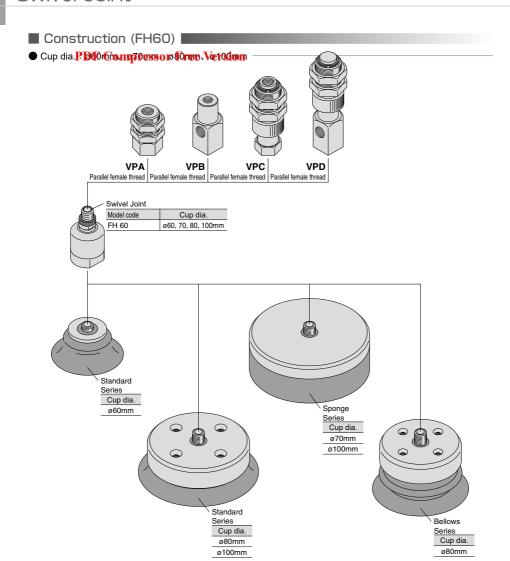




■ Construction (FH20) |

● Cup**PDF € tomprestsmmFre20Mers it25**mm、ø30mm、ø35mm、ø40mm、ø50mm、4×10mm、Oval cup : 4×20mm、4×30mm、5×10mm、5×20mm、5×30mm、6×10mm、6×20mm、6×30mm、







Before Using M365 Products, Se sure to read "Safety Instructions" and "Safety Instruction Manual" and "Common Safety Instructions for Vacuum Series".

Warning

- Swivel Joint shall not be combined with non-PISCO brand vacuum cup and cup direct mounting filter.
 Do not use it for other purpose. Swivel Joint is designed for PISCO vacuum cup only. Thus wrong usage may cause damage to the product.
- When a work-piece is conveyed by a pad with Swivel Joint, consider the acceleration, impacts and wind pressure. Otherwise, there is a possibility of damaging the joint by the excessive load.
- 3. Avoid any excessive pressure on Swivel Joint. Otherwise, there is a possibility of damaging the joint.

Caution

- Pay special attention to the angle position of Swivel Joint. The angle position can be changed after sucking work-piece by work-piece weight and acceleration or impact during transportation.
- When Swivel Joint is attached or replaced, refer to the following recommended tightening torque to tighten the parallel cut part of the joint.
 - Table: Recommended tightening torque

Tightening torque				
0.5 ~ 0.6N·m				
1.5 ~ 2N⋅m				
5 ~ 8N·m				