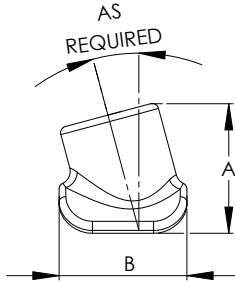


ALUMINUM WELDMENT PIPE TO ANGLE PIPE, TEE

SECTION

18-3

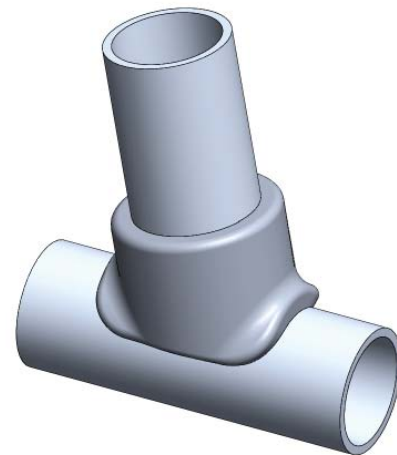


CATALOG NUMBER	IPS MAIN	IPS TAP	DIMENSIONS IN INCHES	
			A	B
18-231	1/2	1/2	1 1/2	2
18-232	3/4	1/2	1 1/2	2
18-233	3/4	3/4	1 1/2	2 1/4
18-234	1	1/2	1 1/2	2 1/4
18-235	1	3/4	1 1/2	2 1/4
18-236	1	1	1 3/4	3
18-237	1 1/4	1/2	1 1/2	2
18-238	1 1/4	3/4	1 1/2	2 1/4
18-239	1 1/4	1	1 3/4	2 1/2
18-240	1 1/4	1 1/4	1 3/4	3
18-241	1 1/2	1/2	1 1/2	2
18-242	1 1/2	3/4	1 1/2	2 1/4
18-243	1 1/2	1	1 3/4	2 1/2
18-244	1 1/2	1 1/4	1 3/4	3
18-245	1 1/2	1 1/2	1 3/4	3 1/4
18-246	2	1/2	1 1/2	2
18-247	2	3/4	1 1/2	2 1/4
18-248	2	1	2 3/4	2 5/8
18-249	2	1 1/4	3	3
18-250	2	1 1/2	1 1/2	3 1/4
18-251	2	2	3 3/8	3 3/4
18-252	2 1/2	1/2	1 1/2	2
18-253	2 1/2	3/4	1 1/2	2 1/4
18-254	2 1/2	1	3 5/8	2 1/2
18-255	2 1/2	1 1/4	1 3/4	3
18-256	2 1/2	1 1/2	3 1/2	4 1/8
18-257	2 1/2	2	3 1/4	3 3/4
18-258	2 1/2	2 1/2	3 1/4	4 3/8
18-259	3	1/2	1 1/2	6
18-260	3	3/4	1 1/2	2
18-261	3	1	1 3/4	2 1/4
18-262	3	1 1/4	2 1/2	3
18-263	3	1 1/2	1 1/2	1 3/4
18-264	3	2	2	2
18-265	3	2 1/2	4 5/8	5 5/8
18-266	3	3	4 3/4	5 7/8
18-267	3 1/2	1/2	1/2	1 1/2
18-268	3 1/2	3/4	3/4	1 1/2
18-269	3 1/2	1	1	1 3/4
18-270	3 1/2	1 1/4	1 1/4	1 3/4
18-271	3 1/2	1 1/2	3 1/4	4 3/8
18-272	3 1/2	2	3 3/4	4
18-273	3 1/2	2 1/2	2 1/2	2 1/4
18-274	3 1/2	3	3	2 1/2
18-275	3 1/2	3 1/2	5 1/2	6 1/4

A reliable and economical connector for joining a pipe main to a tap whose angle varies from the perpendicular, the type TTWA cast of a lightweight and corrosion-resistant aluminum alloy makes a permanent connection. It can be used in self-supporting A-frame structures.

In ordering the type TTWA, the varying angle must be designated in a suffix added to the catalog number to insure maximum efficiency in filling the order.

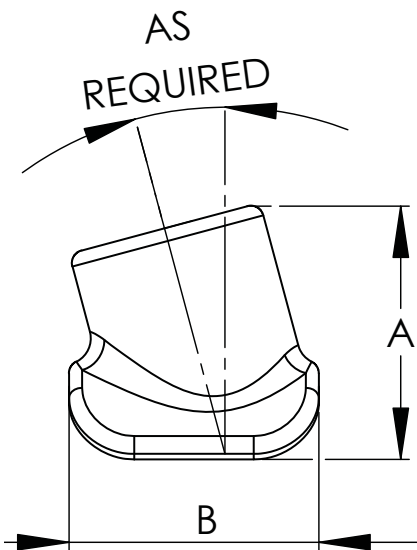
Example: a 15 degree angle tap for catalog number 18-231, should be written as 18-231-15.



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CATALOG NUMBER	IPS MAIN	IPS TAP	DIMENSIONS IN INCHES	
			A	B
18-277	4	3/4	3/4	1 1/2
18-278	4	1	1	1 3/4
18-279	4	1 1/4	1 1/4	3
18-280	4	1 1/2	1 1/2	3 1/4
18-281	4	2	3 1/4	3 1/8
18-282	4	2 1/2	4 1/4	5 3/8
18-283	4	3	5 1/2	5 7/8
18-284	4	3 1/2	2 1/2	5 3/4
18-285	4	4	5 1/2	7 1/4
18-286	4 1/2	1/2	1	2
18-287	4 1/2	3/4	1	2 1/4
18-288	4 1/2	1	1 1/4	2 1/2
18-289	4 1/2	1 1/4	1 1/4	3
18-290	4 1/2	1 1/2	1 1/2	3 1/4
18-291	4 1/2	2	1 3/4	3 1/2
18-292	4 1/2	2 1/2	2	4 1/4
18-293	4 1/2	3	2 1/4	5
18-294	4 1/2	3 1/2	2 1/2	5 1/2
18-295	4 1/2	4	2 1/2	6
18-296	4 1/2	4 1/2	2 3/4	6 3/4
18-297	5	1/2	1	2
18-298	5	3/4	1	2 1/4
18-299	5	1	1 1/4	2 1/2
18-300	5	1 1/4	1 1/4	3
18-301	5	1 1/2	1 1/2	3 1/4
18-302	5	2	5 1/4	4
18-303	5	2 1/2	5 1/2	5
18-304	5	3	5 1/4	5 3/4
18-305	5	3 1/2	5 1/4	5 3/4
18-306	5	4	5 3/8	6 3/8
18-307	5	4 1/2	5 1/4	6 1/2
18-308	5	5	2 3/4	8
18-309	6	1/2	1	2
18-310	6	3/4	1	2 1/4
18-311	6	1	1 1/4	2 1/2
18-312	6	1 1/4	1 1/4	3
18-313	6	1 1/2	1 1/2	3 1/4
18-314	6	2	1 3/4	3 1/2
18-315	6	2 1/2	2	4 1/4
18-316	6	3	5 1/8	5 7/8
18-317	6	3 1/2	2 1/2	5 1/2
18-318	6	4	5	7 3/8
18-319	6	4 1/2	2 3/4	7 1/4
18-320	6	5	6 5/8	8 1/2
18-321	6	6	3	8 1/2