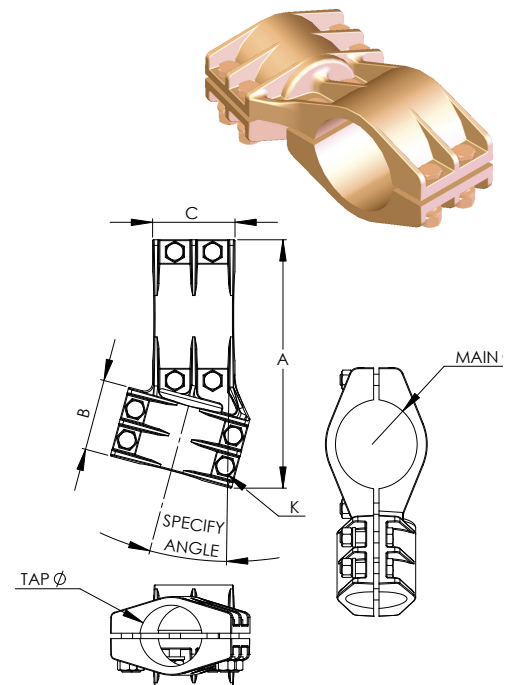


BRONZE TEE CONNECTORS, PIPE RUN TO ANGLE PIPE TAP

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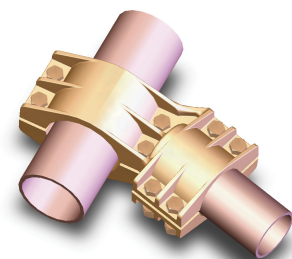
CATALOG NUMBER	IPS MAIN	IPS TAP	DIMENSIONS IN INCHES			
			A	B	C	K
12-283-(*)	1/2	1/2	7	3	3	3/8
12-284-(*)	3/4	1/2	7	3	2 3/4	1/2 & 3/8
12-285-(*)	3/4	3/4	7	2 3/4	2 3/4	1/2
12-286-(*)	1	1/2	8 1/8	3	3 3/16	1/2 & 3/8
12-287-(*)	1	3/4	8 1/8	2 3/4	3 3/16	1/2
12-288-(*)	1	1	8 1/8	3 3/16	3 3/16	1/2
12-289-(*)	1 1/4	1/2	8 1/8	3	3 1/8	1/2 & 3/8
12-290-(*)	1 1/4	3/4	8 1/8	2 3/4	3 1/8	1/2
12-291-(*)	1 1/4	1	8 1/2	3 3/16	3 1/8	1/2
12-292-(*)	1 1/4	1 1/4	8 3/4	3 1/8	3 1/8	1/2
12-293-(*)	1 1/2	1/2	8	3	3 1/16	1/2 & 3/8
12-294-(*)	1 1/2	3/4	9	2 3/4	3 1/16	1/2
12-295-(*)	1 1/2	1	8 3/4	3 3/16	3 1/16	1/2
12-296-(*)	1 1/2	1 1/4	8 1/2	3 1/8	3 1/16	1/2
12-297-(*)	1 1/2	1 1/2	8 1/2	3 1/16	3 1/16	1/2
12-298-(*)	2	1/2	8 3/8	3	3 1/8	1/2 & 3/8
12-299-(*)	2	3/4	8 5/8	2 3/4	3 1/8	1/2
12-300-(*)	2	1	7	3 3/16	3 1/8	1/2
12-301-(*)	2	1 1/4	9 3/4	3 1/8	3 1/8	1/2
12-302-(*)	2	1 1/2	7 5/8	3 1/16	3 1/8	1/2
12-303-(*)	2	2	10	3 1/8	3 1/8	1/2
12-304-(*)	2 1/2	1/2	9 3/4	3	4	5/8 & 3/8
12-305-(*)	2 1/2	3/4	9 3/4	2 3/4	4	5/8 & 1/2
12-306-(*)	2 1/2	1	11 1/8	3 3/16	4	5/8 & 1/2
12-307-(*)	2 1/2	1 1/4	11 1/8	3 1/8	4	5/8 & 1/2
12-308-(*)	2 1/2	1 1/2	11 1/8	3 1/16	4	5/8 & 1/2
12-309-(*)	2 1/2	2	11 3/4	3 1/8	4	5/8 & 1/2
12-310-(*)	2 1/2	2 1/2	11 1/2	4	4	5/8
12-311-(*)	3	1/2	10	3	3 15/16	5/8 & 3/8
12-312-(*)	3	3/4	10	2 3/4	3 15/16	5/8 & 1/2
12-313-(*)	3	1	10 3/4	3 3/16	3 15/16	5/8 & 1/2
12-314-(*)	3	1 1/4	11 1/2	3 1/8	3 15/16	5/8 & 1/2
12-315-(*)	3	1 1/2	11 1/2	3 1/16	3 15/16	5/8 & 1/2
12-316-(*)	3	2	11 1/2	3 1/8	3 15/16	5/8 & 1/2
12-317-(*)	3	2 1/2	12 1/4	4	3 15/16	5/8
12-318-(*)	3	3	13 1/4	3 15/16	3 15/16	5/8
12-319-(*)	3 1/2	1/2	11 1/8	3	3 3/4	5/8 & 3/8
12-320-(*)	3 1/2	3/4	11 1/8	2 3/4	3 3/4	5/8 & 1/2
12-321-(*)	3 1/2	1	11 3/4	3 3/16	3 3/4	5/8 & 1/2
12-322-(*)	3 1/2	1 1/4	11 3/4	3 1/8	3 3/4	5/8 & 1/2
12-323-(*)	3 1/2	1 1/2	11 1/2	3 1/16	3 3/4	5/8 & 1/2
12-324-(*)	3 1/2	2	12	3 1/8	3 3/4	5/8 & 1/2
12-325-(*)	3 1/2	2 1/2	13	4	3 3/4	5/8
12-326-(*)	3 1/2	3	13 1/2	3 15/16	3 3/4	5/8
12-327-(*)	3 1/2	3 1/2	13 1/4	3 3/4	3 3/4	5/8



A strong and dependable connector for joining a pipe main to a tap whose angle varies from the perpendicular, the type PTA relies on a high conductivity copper alloy for its durability.

Bolts, nuts, and lockwashers are silicon bronze for clamping strength and resistance to corrosion. Bolt heads are recessed for single-wrench installation.

*In ordering the type PTA tee connector, the varying angle must be designated in a suffix added to the catalog number. A 15° angle tap for catalog number 12-283, for instance, should be written 12-283-15 on the order.



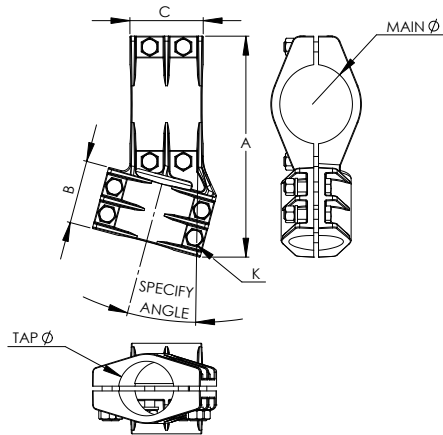
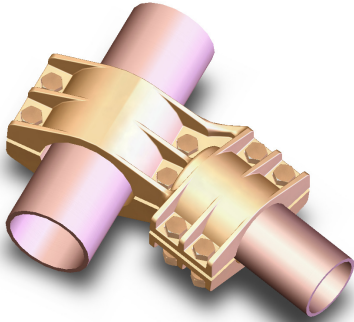
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BRONZE TEE CONNECTORS, PIPE
RUN TO ANGLE PIPE TAP, continued

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*In ordering the type PTA tee connector, the varying angle must be designated in a suffix added to the catalog number. A 15° angle tap for catalog number 12-329, for instance, should be written 12-329-15 on the order.

CATALOG NUMBER	IPS MAIN	IPS TAP	DIMENSIONS IN INCHES			
			A	B	C	K
12-328-(*)	4	1/2	12 1/4	3	4 5/8	5/8 & 3/8
12-329-(*)	4	3/4	12 1/4	2 3/4	4 5/8	5/8 & 1/2
12-330-(*)	4	1	13	3 3/16	4 5/8	5/8 & 1/2
12-331-(*)	4	1 1/4	13	3 1/8	4 5/8	5/8 & 1/2
12-332-(*)	4	1 1/2	13	3 1/16	4 5/8	5/8 & 1/2
12-333-(*)	4	2	14 3/8	3 1/8	4 5/8	5/8 & 1/2
12-334-(*)	4	2 1/2	14	4	4 5/8	5/8
12-335-(*)	4	3	14 1/4	3 15/16	4 5/8	5/8
12-336-(*)	4	3 1/2	14	3 3/4	4 5/8	5/8
12-337-(*)	4	4	15 1/8	4 5/8	4 5/8	5/8
12-338-(*)	4 1/2	1/2	12 7/8	3	4 3/4	5/8 & 3/8
12-339-(*)	4 1/2	3/4	12 7/8	2 3/4	4 3/4	5/8 & 1/2
12-340-(*)	4 1/2	1	13	3 3/16	4 3/4	5/8 & 1/2
12-341-(*)	4 1/2	1 1/4	13	3 1/8	4 3/4	5/8 & 1/2
12-342-(*)	4 1/2	1 1/2	13	3 1/16	4 3/4	5/8 & 1/2
12-343-(*)	4 1/2	2	14	3 1/8	4 3/4	5/8 & 1/2
12-344-(*)	4 1/2	2 1/2	14	4	4 3/4	5/8
12-345-(*)	4 1/2	3	14	3 15/16	4 3/4	5/8
12-346-(*)	4 1/2	3 1/2	14	3 3/4	4 3/4	5/8
12-347-(*)	4 1/2	4	15 1/8	4 5/8	4 3/4	5/8
12-348-(*)	4 1/2	4 1/2	15 1/8	4 3/4	4 3/4	5/8
12-349-(*)	5	1/2	13 1/4	3	5 1/16	5/8 & 3/8
12-350-(*)	5	3/4	13 1/4	2 3/4	5 1/16	5/8 & 1/2
12-351-(*)	5	1	13 3/4	3 3/16	5 1/16	5/8 & 1/2
12-352-(*)	5	1 1/4	13 3/4	3 1/8	5 1/16	5/8 & 1/2
12-353-(*)	5	1 1/2	14 1/4	3 1/16	5 1/16	5/8 & 1/2
12-354-(*)	5	2	14 5/8	3 1/8	5 1/16	5/8 & 1/2
12-355-(*)	5	2 1/2	15 3/8	4	5 1/16	5/8
12-356-(*)	5	3	15 1/2	3 15/16	5 1/16	5/8
12-357-(*)	5	3 1/2	15	3 3/4	5 1/16	5/8
12-358-(*)	5	4	16	4 5/8	5 1/16	5/8
12-359-(*)	5	4 1/2	16	4 3/4	5 1/16	5/8
12-360-(*)	5	5	16 1/4	5 1/16	5 1/16	5/8
12-361-(*)	6	1/2	14 3/4	3	6	5/8 & 3/8
12-362-(*)	6	3/4	14 3/4	2 3/4	6	5/8 & 1/2
12-363-(*)	6	1	15 1/4	3 3/16	6	5/8 & 1/2
12-364-(*)	6	1 1/4	15 1/4	3 1/8	6	5/8 & 1/2
12-365-(*)	6	1 1/2	15 1/4	3 1/16	6	5/8 & 1/2
12-366-(*)	6	2	15 1/4	3 1/8	6	5/8 & 1/2
12-367-(*)	6	2 1/2	16 1/2	4	6	5/8
12-368-(*)	6	3	16 1/2	3 15/16	6	5/8
12-369-(*)	6	3 1/2	16 5/8	3 3/4	6	5/8
12-370-(*)	6	4	17 1/2	4 5/8	6	5/8
12-371-(*)	6	4 1/2	17 5/8	4 3/4	6	5/8
12-372-(*)	6	5	18	5 1/16	6	5/8
12-373-(*)	6	6	19	6	6	5/8