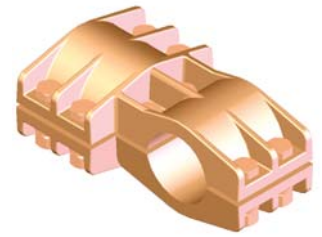
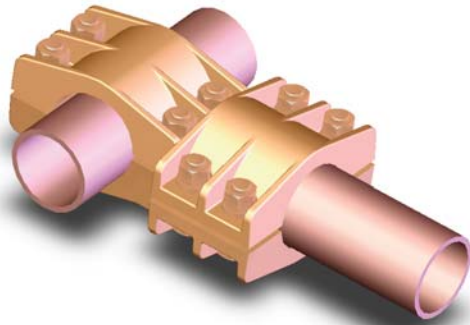


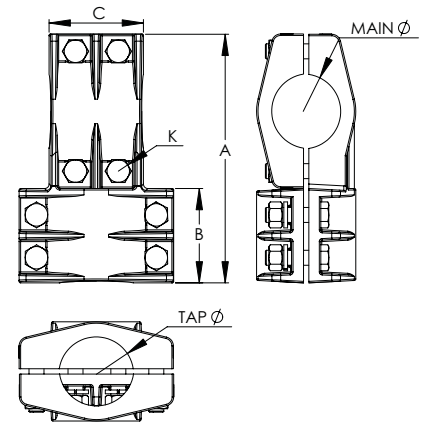
# BRONZE TEE CONNECTORS, PIPE RUN TO PIPE TAP

SECTION

12-1



BRONZE TEE CONNECTORS PIPE RUN TO PIPE TAP						
CATALOG NUMBER	IPS MAIN	IPS TAP	DIMENSIONS IN INCHES			
			A	B	C	K
12-101	1/2	1/2	5 7/8	2 1/2	2 1/2	3/8
12-102	3/4	1/2	5 7/8	2 1/2	2 7/8	3/8
12-103	3/4	3/4	6 1/4	2 7/8	2 7/8	3/8
12-104	1	1/2	6 3/8	2 1/2	3 1/8	3/8
12-105	1	3/4	6 3/4	2 7/8	3 1/8	3/8
12-106	1	1	7	3 1/8	3 1/8	3/8
12-107	1 1/4	1/2	6 7/8	2 1/2	3 1/8	3/8
12-108	1 1/4	3/4	7 1/4	2 7/8	3 1/8	3/8
12-109	1 1/4	1	7 1/2	3 1/8	3 1/8	3/8
12-110	1 1/4	1 1/4	7 1/2	3 1/8	3 1/8	1/2
12-111	1 1/2	1/2	6 7/8	2 1/2	3 1/4	3/8
12-112	1 1/2	3/4	7 1/4	2 7/8	3 1/4	3/8
12-113	1 1/2	1	7 1/2	3 1/8	3 1/4	3/8
12-114	1 1/2	1 1/4	7 1/8	3 1/8	3 1/4	1/2
12-115	1 1/2	1 1/2	7 5/8	3 1/4	3 1/4	1/2
12-116	2	1/2	7 5/8	2 1/2	3 1/4	3/8
12-117	2	3/4	8	2 7/8	3 1/4	3/8
12-118	2	1	8 1/4	3 1/8	3 1/4	3/8
12-119	2	1 1/4	8 1/4	3 1/8	3 1/4	1/2
12-120	2	1 1/2	8 3/8	3 1/4	3 1/4	1/2
12-121	2	2	8 3/8	3 1/4	3 1/4	1/2
12-122	2 1/2	1/2	8 5/8	2 1/2	3 7/8	3/8
12-123	2 1/2	3/4	9	2 7/8	3 7/8	3/8
12-124	2 1/2	1	9 1/4	3 1/8	3 7/8	3/8
12-125	2 1/2	1 1/4	9 1/4	3 1/8	3 7/8	1/2
12-126	2 1/2	1 1/2	9 3/8	3 1/4	3 7/8	1/2
12-127	2 1/2	2	9 3/8	3 1/4	3 7/8	1/2
12-128	2 1/2	2 1/2	10	3 7/8	3 7/8	1/2
12-129	3	1/2	9 1/2	2 1/2	4	3/8
12-130	3	3/4	9 7/8	2 7/8	4	3/8
12-131	3	1	10 1/8	3 1/8	4	3/8
12-132	3	1 1/4	10 1/8	3 1/8	4	1/2
12-133	3	1 1/2	10 1/4	3 1/4	4	1/2
12-134	3	2	10 1/4	3 1/4	4	1/2
12-135	3	2 1/2	10 7/8	3	4	1/2
12-136	3	3	11	4	4	5/8



Made of a copper alloy for high conductivity and natural resistance to corrosion and stress, the Type PTP connector joins a pipe tap to the main. Bolts, nuts, and lock-washers are silicon bronze for clamping strength and resistance to corrosion. All bolt heads are recessed for single-wrench installation.

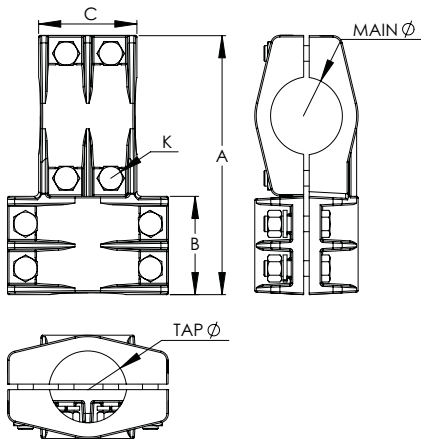
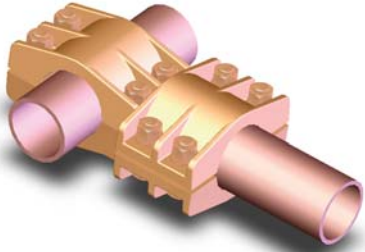
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## SECTION

## 12-1

BRONZE TEE CONNECTORS,  
PIPE RUN TO PIPE TAP

Continued from previous page



BRONZE TEE CONNECTORS PIPE RUN TO PIPE TAP						
CATALOG NUMBER	IPS MAIN	IPS TAP	A	DIMENSIONS IN INCHES		
				B	C	K
12-137	3 1/2	1/2	10	2 1/2	3 3/4	3/8
12-138	3 1/2	3/4	10 1/4	2 7/8	3 3/4	3/8
12-139	3 1/2	1	10 5/8	3 1/8	3 3/4	3/8
12-140	3 1/2	1 1/4	10 5/8	3 1/8	3 3/4	1/2
12-141	3 1/2	1 1/2	10 3/4	3 1/4	3 3/4	1/2
12-142	3 1/2	2	10 3/4	3 1/4	3 3/4	5/8
12-143	3 1/2	2 1/2	11 3/8	3 7/8	3 3/4	1/2
12-144	3 1/2	3	11 1/2	4	3 3/4	5/8
12-145	3 1/2	3 1/2	11 1/4	3 3/4	3 3/4	5/8
12-146	4	1/2	11	2 1/2	4 5/8	3/8
12-147	4	3/4	11 1/4	2 7/8	4 5/8	3/8
12-148	4	1	11 3/8	3 1/8	4 5/8	3/8
12-149	4	1 1/4	11 3/8	3 1/8	4 5/8	1/2
12-150	4	1 1/2	11 3/4	3 1/4	4 5/8	5/8
12-151	4	2	11 3/4	3 1/4	4 5/8	1/2
12-152	4	2 1/2	12 1/4	3 7/8	4 5/8	1/2
12-153	4	3	12 1/2	4	4 5/8	5/8
12-154	4	3 1/2	12 1/4	3 3/4	4 5/8	5/8
12-155	4	4	13 1/8	4 5/8	4 5/8	5/8
12-156	4 1/2	1/2	11 1/2	2 1/2	4 7/8	3/8
12-157	4 1/2	3/4	11 7/8	2 7/8	4 7/8	3/8
12-158	4 1/2	1	12 1/8	3 1/8	4 7/8	3/8
12-159	4 1/2	1 1/4	12 1/8	3 1/8	4 7/8	1/2
12-160	4 1/2	1 1/2	12 1/4	3 1/4	4 7/8	1/2
12-161	4 1/2	2	12 1/4	3 1/4	4 7/8	1/2
12-162	4 1/2	2 1/2	12 7/8	3 7/8	4 7/8	1/2
12-163	4 1/2	3	13	4	4 7/8	5/8
12-164	4 1/2	3 1/2	12 3/4	3 3/4	4 7/8	5/8
12-165	4 1/2	4	13 5/8	4 5/8	4 7/8	5/8
12-166	4 1/2	4 1/2	13 7/8	4 7/8	4 7/8	5/8
12-167	5	1/2	12 1/8	2 1/2	5	3/8
12-168	5	3/4	12 1/2	2 7/8	5	3/8
12-169	5	1	12 3/4	3 1/8	5	3/8
12-170	5	1 1/4	12 3/4	3 1/8	5	1/2
12-171	5	1 1/2	12 7/8	3 1/4	5	1/2
12-172	5	2	12 7/8	3 1/4	5	5/8
12-173	5	2 1/2	13 1/2	3 7/8	5	1/2
12-174	5	3	13 5/8	4	5	5/8
12-175	5	3 1/2	13 3/8	3 3/4	5	5/8
12-176	5	4	14 1/4	4 5/8	5	5/8
12-177	5	4 1/2	14 1/2	4 7/8	5	5/8
12-178	5	5	14 5/8	5	5	5/8
12-179	6	1/2	13 1/2	2 1/2	6	3/8
12-180	6	3/4	13 7/8	2 7/8	6	3/8
12-181	6	1	14 1/8	3 1/8	6	3/8
12-182	6	1 1/4	14 1/8	3 1/8	6	1/2
12-183	6	1 1/2	14 1/4	3 1/4	6	1/2
12-184	6	2	14 1/4	3 1/4	6	1/2
12-185	6	2 1/2	14 7/8	3 7/8	6	1/2
12-186	6	3	15	4	6	5/8
12-187	6	3 1/2	14 3/4	3 3/4	6	5/8
12-188	6	4	15 5/8	4 5/8	6	5/8
12-189	6	4 1/2	15 7/8	4 7/8	6	5/8
12-190	6	5	16	5	6	5/8
12-191	6	6	17	6	6	5/8