

CONSOLIDATION CHART

TRUE - STRAIGHT BORE DESIGN
 STAINLESS - CHROME - ALLOY BRANCHETTES®
 NON-IMPRESSION DIE FORGED

SCH.10s BUTT WELD BRANCHETTE®									
1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
1 1/4 - 1/2	2 - 3/4	1 1/4 - 1	1 1/2 - 1 1/4	1 1/2	2	2 1/2	3	4	6
36 - 1 1/2	36 - 2 1/2	4 - 1 1/2	2 1/2 - 2	2	3 - 2 1/2	3 1/2 - 3	3 1/2	5	8
		36 - 5	6 - 3	3 - 2 1/2	5 - 3 1/2	5 - 4	4	6	10
			36 - 8	10 - 3 1/2	18 - 6	10 - 6	6 - 5	10 - 8	14 - 12
				36 - 12	36 - 20	26 - 12	14 - 8	18 - 12	18 - 16
						36 - 28	40 - 16	36 - 20	26 - 20
							84 - 42	84 - 38	42 - 28
									84 - 44

STANDARD, SCH.40s, & CL.3M BUTT WELD BRANCHETTE® & SOCKET WELD BRANCHETTE®									
1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
1 - 1/2	2 - 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
36 - 1 1/4	36 - 2 1/2	3 1/2 - 1 1/4	2 - 1 1/2	3 - 2	3 - 2 1/2	3 1/2 - 3	4 - 3 1/2	5	8
		36 - 4	6 - 2 1/2	8 - 3 1/2	6 - 3 1/2	5 - 4	6 - 5	6	10
			36 - 8	36 - 10	16 - 8	12 - 6	14 - 8	10 - 8	14 - 12
					36 - 18	24 - 14	36 - 16	20 - 12	18 - 16
						36 - 26		64 - 22	24 - 20
									34 - 26
									42 - 36

EXTRA STRONG & SCH.80s BUTT WELD BRANCHETTE®									
1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
3/4 - 1/2	1 1/2 - 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
36 - 1	36 - 2	3 - 1 1/4	4 - 1 1/2	2 1/2 - 2	2 1/2	3 1/2 - 3	4 - 3 1/2	5	8
		36 - 3 1/2	36 - 5	8 - 3	4 - 3	6 - 4	6 - 5	6	10
				36 - 10	14 - 5	24 - 8	10 - 8	10 - 8	14 - 12
					36 - 16	32 - 12	22 - 12	18 - 16	18 - 12
							36 - 34	56 - 24	24 - 20
									34 - 26
									42 - 36

SCH.160 & CL.6M BUTT WELD & SOCKET WELD BRANCHETTE®					
1/2	3/4	1	1 1/4	1 1/2	2
1/2	1 - 3/4	2 - 1	1 1/4	2 1/2 - 1 1/2	2
36 - 3/4	36 - 1 1/4	36 - 2 1/2	4 - 1 1/2	6 - 3	3 - 2 1/2
			36 - 5	36 - 8	10 - 3 1/2
					36 - 12

XX-STRONG & CL.9M BUTT WELD & SOCKET WELD BRANCHETTE®					
1/2	3/4	1	1 1/4	1 1/2	2
36 - 1/2	3/4	1	2 1/2 - 1 1/4	2 1/2 - 1 1/2	2 1/2 - 2
	36 - 1	36 - 1 1/4	36 - 3	3 1/2 - 3	6 - 3
				36 - 4	36 - 8

CL.3M, CL.6M, & CL.10M THREADED BRANCHETTE®					
1/2	3/4	1	1 1/4	1 1/2	2
1/2	3/4	1	1 1/2 - 1 1/4	1 1/2	2
1 1/2 - 3/4	2 1/2 - 1	2 - 1 1/4	3 1/2 - 2	2	2 1/2
36 - 2	36 - 3	4 - 2 1/2	8 - 4	3 1/2 - 2 1/2	4 - 3
		36 - 5	36 - 10	10 - 4	10 - 5
				36 - 12	18 - 12
					36 - 20

TRUE - STRAIGHT BORE DESIGN
 CARBON STEEL A/SA105 BRANCHETTES®
 IMPRESSION DIE FORGED

STANDARD BUTT WELD BRANCHETTE®								
1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
36 - 1 1/4	36 - 2 1/2	36 - 2	36 - 8	36 - 4	36 - 8	36 - 12	36 - 16	36 - 22
1 - 1/2	2 - 3/4	3 1/2 - 1 1/4	6 - 2 1/2	3 1/2 - 2	6 - 3 1/2	10 - 5	14 - 8	20 - 12
		1	2 - 1 1/2	1 1/2	3 - 2 1/2	4 - 3	6 - 5	10 - 8
			1 1/4		2	2 1/2	4 - 3 1/2	6 - 5
							3	4

EXTRA STRONG BUTT WELD BRANCHETTE®								
1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
36 - 1	36 - 2	36 - 2	36 - 6	36 - 4	36 - 8	36 - 12	36 - 16	36 - 22
3/4 - 1/2	1 1/2 - 3/4	3 - 1 1/4	5 - 2 1/2	3 1/2 - 2	6 - 3 1/2	10 - 5	14 - 8	20 - 12
		1	2 - 1 1/4	1/2	3 - 2 1/2	4 - 3	6 - 5	10 - 8
					2	2 1/2	4 - 3 1/2	6 - 5
							3	4

CL.3M SOCKET WELD BRANCHETTE®					
1/2	3/4	1	1 1/4	1 1/2	2
36 - 3/4	36 - 1 1/2	36 - 3	36 - 4	36 - 6	36 - 8
1/2	1 1/4 - 3/4	2 1/2 - 1 1/4	3 1/2 - 2	5 - 3	6 - 4
		1	1 1/2 - 1 1/4	2 1/2 - 2	3 1/2 - 2 1/2
				1 1/2	2

CL.3M THREADED BRANCHETTE®					
1/2	3/4	1	1 1/4	1 1/2	2
36 - 3/4	36 - 1 1/2	36 - 3	36 - 4	36 - 6	36 - 8
1/2	1 1/4 - 3/4	2 1/2 - 1 1/4	3 1/2 - 2	5 - 3	6 - 4
		1	1 1/2 - 1 1/4	2 1/2 - 2	3 1/2 - 2 1/2
				1 1/2	2

INTEGRALLY REINFORCED BRANCH CONNECTIONS NPS 6 INCH AND SMALLER MANUFACTURED IN ACCORDANCE WITH MSS SP-97 BY WELDING OUTLETS INC. WILL TYPICALLY BE MANUFACTURED UTILIZING A "CONSOLIDATION" DESIGN. EACH FITTING IS DESIGNED TO FIT A NUMBER OF RUN PIPE SIZES, E.G. 1" FITTING MARKED 36 - 4 WILL FIT ALL RUN PIPE SIZES FROM 4" TO 36". WHEN PLACED ON A 36" RUN PIPE, THERE WILL BE A MAXIMUM RADIAL GAP OF 1/16" BETWEEN THE TOP OF THE RUN PIPE AND THE BASE OF THE FITTING AT THE CROTCH. ACCORDING TO MSS SP-97 PARAGRAPH 3.3: THE MANUFACTURER HAS THE OPTION TO CONSOLIDATE RUN SIZES FOR A GIVEN BRANCH FOR ECONOMIC REASONS, PROVIDED THE DESIGNATED CONSOLIDATION GAP DISTANCE BETWEEN THE RUN PIPE RADIUS AND THE FITTING INLET RADIUS DOES NOT EXCEED 1/16".

