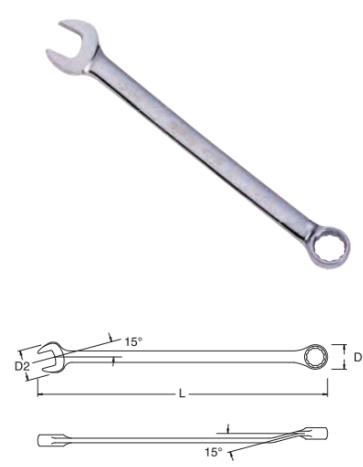


COMBINATION (METRIC)

PART NO.	SIZE	L	D1	D2			G.W. (kg)
	MM	MM	MM	MM			
40233	5.5	127.4	10.7	13.5	6	96	4.4
40201	6	127.4	10.7	13.5	6	96	4.4
40202	7	133.8	11.9	14.6	6	96	4.4
40203	8	140.1	13.9	16.7	6	96	4.8
40204	9	149.6	15.0	18.8	6	36	2.4
40205	10	159.2	15.3	20.9	6	36	2.7
40206	11	165.5	17.7	23.0	6	36	2.8
40207	12	171.9	18.8	25.1	6	36	3.2
40208	13	178.2	20.1	27.2	6	36	3.6
40209	14	190.9	21.5	29.3	6	36	4.1
40210	15	199.8	23.1	31.3	6	36	5.0
40211	16	208.6	24.3	33.4	6	36	5.5
40212	17	225.8	26.7	35.5	6	36	5.9
40213	18	236.9	27.2	37.6	6	36	6.8
40214	19	248.0	28.5	39.7	6	36	7.5
40215	20	264.7	29.7	41.8	4	24	7.2
40216	21	270.3	30.6	43.9	4	24	6.8
40217	22	292.5	32.3	46.0	4	24	8.4
40218	23	303.6	33.3	48.1	4	24	9.4
40219	24	314.7	34.1	50.1	4	24	9.5
40220	25	334.1	36.0	52.2	4	16	7.2
40235	26	359.2	36.1	56.4	4	16	9.1
40221	27	359.2	38.8	56.4	4	16	9.8
40236	28	402.5	40.6	62.7	2	24	16.7
40237	29	402.5	40.6	62.7	2	12	9.6
40222	30	425.8	46.0	66.9	2	12	9.6
40223	32	425.8	46.0	66.9	2	12	11.0

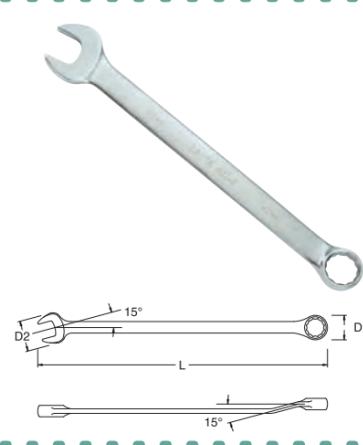


ANSI B107.9M

DIN 3113

JUMBO COMBINATION (S.A.E.) SAND BLAST FINISHED

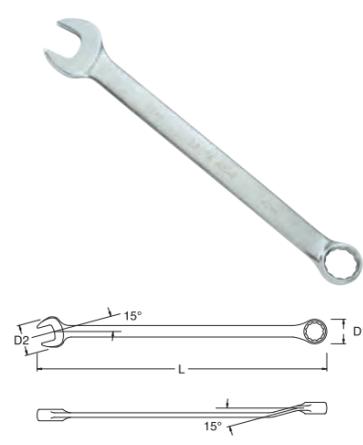
PART NO.	SIZE	L	D1	D2			G.W. (kg)
	INCH	MM	MM	MM			
40117	1-5/16"	475.0	48.0	68.0	2	16	14.0
40118	1-3/8"	475.0	48.0	68.0	2	16	17.3
40119	1-7/16"	500.0	55.0	77.0	2	12	19.5
40120	1-1/2"	500.0	55.0	77.0	2	12	18.3
40121	1-5/8"	580.0	60.0	84.0	2	12	26.7
40122	1-3/4"	580.0	60.0	84.0	2	12	29.4
40123	1-7/8"	600.0	64.0	90.0	2	12	29.4
40124	2"	650.0	72.0	97.0	2	12	39.3



DIN 3113

JUMBO COMBINATION (METRIC) SAND BLAST FINISHED

PART NO.	SIZE	L	D1	D2			G.W. (kg)
	MM	MM	MM	MM			
40241	34	475.0	48.0	68.0	2	16	14.0
40242	35	475.0	48.0	68.0	2	16	17.3
40243	36	500.0	55.0	77.0	2	12	19.5
40244	38	500.0	55.0	77.0	2	12	18.3
40245	41	580.0	60.0	84.0	2	12	26.7
40246	42	580.0	60.0	84.0	2	12	25.5
40248	46	600.0	64.0	90.0	2	12	29.4
40249	48	650.0	72.0	97.0	2	12	39.3
40250	50	650.0	72.0	97.0	2	12	38.7



DIN 3113

DOUBLE OPEN END (S.A.E.)

PART NO.	SIZE	L	F1	F2			G.W. (kg)
	INCH	MM	MM	MM			
41101	1/4" x 5/16"	123.5	12.5	16.7	6	96	4.2
41102	3/8" x 7/16"	149.2	20.9	23.0	6	36	2.7
41103	1/2" x 9/16"	175.0	27.2	29.3	6	36	3.5
41104	5/8" x 11/16"	200.7	33.4	35.5	6	36	5.0
41105	11/16" x 3/4"	226.5	35.5	39.7	6	36	8.0
41106	13/16" x 7/8"	226.5	35.5	39.7	4	24	6.4
41107	15/16" x 1"	278.2	50.1	52.2	4	24	9.9
41108	1-1/8" x 1-1/4"	308.4	62.7	66.9	4	12	9.2



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DOUBLE OPEN END (METRIC)

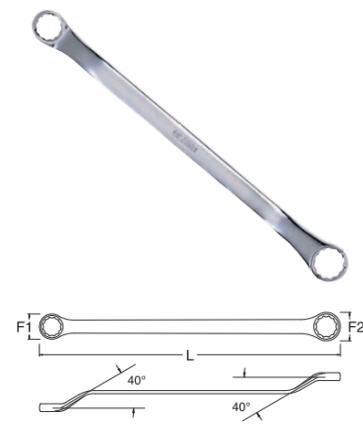
PART NO.	SIZE	L	F1	F2			G.W. (kg)
	MM	MM	MM	MM			
41216	5.7x7	124.9	12.2	16.4	6	96	4.4
41201	6x7	123.5	12.5	16.7	6	96	4.4
41301	8x9	149.4	16.7	20.9	6	36	2.6
41202	8x10	149.4	16.7	20.9	6	36	2.5
41217	9x11	151.0	20.5	22.7	6	36	2.9
41302	10x11	149.4	20.1	25.1	6	36	3.2
41203	10x12	162.3	20.1	25.1	6	36	2.9
41204	11x13	174.2	23.0	27.2	6	36	3.5
41303	12x13	174.2	25.1	27.2	6	36	4.6
41205	12x14	186.1	25.1	29.3	6	36	4.0
41218	13x15	182.0	27.1	33.5	6	36	4.1
41219	13x16	183.0	27.1	33.3	6	36	4.2
41304	14x15	200.0	29.3	33.4	6	36	6.4
41206	14x17	200.0	29.3	35.5	6	36	5.4
41305	16x17	200.0	33.4	35.5	6	36	6.8
41214	16x18	200.0	33.1	35.5	6	36	8.1
41207	17x19	227.8	35.5	39.7	6	36	8.1
41208	19x21	238.8	39.7	43.9	4	24	6.7
41215	19x22	240.0	39.5	43.9	4	24	6.7
41209	21x23	260.7	43.9	48.0	4	24	8.4
41210	22x24	283.6	46.0	50.1	4	24	9.6
41211	23x26	298.6	48.1	54.3	4	24	10.8
41212	24x27	278.2	50.1	52.2	4	24	10.1
41220	27x30	292.0	55.9	62.4	4	24	14.1
41213	30x32	308.4	62.7	66.9	4	24	16.5
41221	30x34	327.0	66.3	69.4	4	24	16.8
41222	32x34	328.0	66.6	69.3	4	12	17.3
41223	34x36	340.0	69.9	75.1	4	12	17.8



ANSI B107.9M DIN 3110

DOUBLE BOX END (S.A.E.)

PART NO.	SIZE	L	F1	F2			G.W. (kg)
	INCH	MM	MM	MM			
42101	3/8" x 7/16"	195.0	16.3	18.4	6	36	3.9
42102	1/2" x 9/16"	220.0	19.8	21.8	6	36	5.2
42104	11/16" x 3/4"	250.0	26.3	27.8	6	36	7.7
42105	13/16" x 7/8"	290.0	30.8	33.3	4	24	8.2
42106	7/8" x 15/16"	320.0	32.2	34.3	4	16	6.8
42107	15/16" x 1"	360.0	34.1	37.3	4	24	12.0



ANSI B107.6