


Heavy-duty box-end wrenches

Single open-end type

Heavy version

In tool steel

DIN 133




		AMERICAN SIZES									
Opening $\bar{\varnothing}$	inches	1	1 $\frac{1}{16}$	1 $\frac{3}{16}$	1 $\frac{1}{4}$	1 $\frac{5}{16}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{11}{16}$	1 $\frac{3}{4}$
Code	A 2911 ...	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010
A 2911/1	Each €										
Overall length	mm	175	175	190	190	200	210	220	230	230	250
Head thickness	mm	15	15	15,5	16	17	18,5	18,5	18,5	18,5	20
Weight	kg	0,4	0,4	0,5	0,5	0,6	0,7	0,8	0,9	0,9	1,2
Opening $\bar{\varnothing}$	inches	1 $\frac{7}{8}$	2	2 $\frac{1}{8}$	2 $\frac{3}{16}$	2 $\frac{1}{4}$	2 $\frac{5}{16}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{9}{16}$	2 $\frac{3}{4}$
Code	A 2911 ...	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020
A 2911/1	Each €										
Overall length	mm	250	275	305	305	315	315	315	335	335	370
Head thickness	mm	20	20,5	23	23	23,5	23,5	23,5	27,5	27,5	28,5
Weight	kg	1,2	1,6	2	2	2	2	2,1	3,1	3,1	3,5
Opening $\bar{\varnothing}$	inches	3 $\frac{1}{8}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	3 $\frac{7}{8}$	4	4 $\frac{1}{8}$	4 $\frac{1}{2}$		
Code	A 2911 ...	1021	1022	1023	1024	1025	1026	1027	1028		
A 2911/1	Each €										
Overall length	mm	400	400	445	445	485	485	485	513		
Head thickness	mm	32	32	36	36	43	43	43	45		
Weight	kg	5,5	5,5	7,0	7,0	11,0	10,8	10,5	13,5		

Box-end type

Heavy version

In tool steel

DIN 7444



		AMERICAN SIZES									
Opening $\bar{\varnothing}$	inches	1	1 $\frac{1}{16}$	1 $\frac{1}{8}$	1 $\frac{3}{16}$	1 $\frac{1}{4}$	1 $\frac{5}{16}$	1 $\frac{3}{8}$	1 $\frac{7}{16}$	1 $\frac{1}{2}$	
Code	A 3028 ...	1001	1002	1003	1004	1005	1006	1007	1008	1009	
A 3028/1	Each €										
Overall length	mm	175	175	185	185	185	200	205	205	215	
Head thickness	mm	16	16	16	16	16	18	19	19	19,5	
Weight	kg	0,3	0,3	0,45	0,45	0,45	0,45	0,6	0,55	0,6	
Opening $\bar{\varnothing}$	inches	1 $\frac{5}{8}$	1 $\frac{11}{16}$	1 $\frac{3}{4}$	1 $\frac{13}{16}$	1 $\frac{7}{8}$	2	2 $\frac{1}{16}$	2 $\frac{1}{8}$	2 $\frac{3}{16}$	
Code	A 3028 ...	1010	1011	1012	1013	1014	1015	1016	1017	1018	
A 3028/1	Each €										
Overall length	mm	225	225	235	235	235	250	265	265	265	
Head thickness	mm	20	20	22	22	22	23	23,5	23,5	23,5	
Weight	kg	0,7	0,7	0,9	0,9	0,9	1,2	1,2	1,4	1,4	
Opening $\bar{\varnothing}$	inches	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{7}{16}$	2 $\frac{1}{2}$	2 $\frac{9}{16}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	2 $\frac{15}{16}$	3	
Code	A 3028 ...	1019	1020	1021	1022	1023	1024	1025	1026	1027	
A 3028/1	Each €										
Overall length	mm	274	274	274	298	298	298	320	326	326	
Head thickness	mm	25,5	25,5	25,5	28	28	28	31,5	33	33	
Weight	kg	1,3	1,5	1,5	1,9	1,9	1,9	2,3	2,8	2,8	
Opening $\bar{\varnothing}$	inches	3 $\frac{1}{8}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	3 $\frac{7}{8}$	4	4 $\frac{1}{8}$	4 $\frac{1}{2}$		
Code	A 3028 ...	1028	1029	1030	1031	1032	1033	1034	1035		
A 3028/1	Each €										
Overall length	mm	350	355	380	390	410	410	410	450		
Head thickness	mm	34	36	39	39	43	43	43	45		
Weight	kg	3,4	3,4	5,2	5,3	6,8	6,7	6,8	8,9		



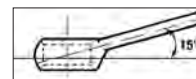
Extra-long combination type, about 25% more than traditional wrenches - HEAVY DUTY

Tightening values twice the DIN standard value

With an open end and a box-end bent at 15°

Polygonal head with **TRACTION PROFILE**: without sharp edges, with a larger contact surface to improve grip and evenly distribute the force on the sides of the bolt head

Suitable for very deep screwing operations



Extra long +25%

Opening $\bar{\varnothing}$	mm	10	11	12	13	14	17	19	22	24	27	30	32
Code	A 3018 ...	5010	5011	5012	5013	5014	5017	5019	5022	5024	5027	5030	5032
A 3018/5	Each €												
Overall length	mm	210	220	230	245	255	305	335	380	430	480	510	530