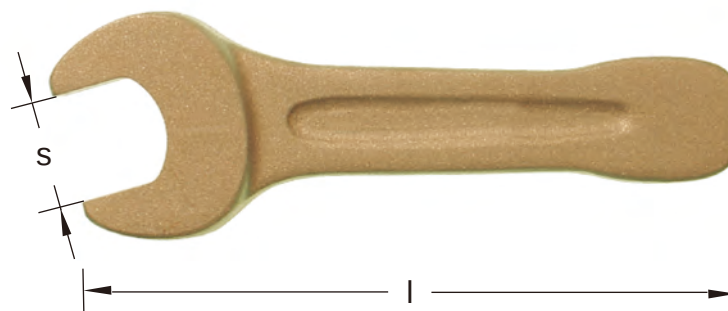


TIGHTENING

*Wrenches Pipe Wrenches Sockets/Ratchets
Allen Keys Valve Wheel Wrenches Pliers Screwdrivers*



When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 200-17A
or
200-17B



200 Wrench, Striking, Open End (DIN 133)

- Mautschlagschlüssel
- Clé à frapper à fourche
- Llave de boca de golpe

No.	S mm	L mm	kg
200-17B	17	140	0.18
200-18B	18	140	0.18
200-19B	19	140	0.19
200-22B	22	150	0.26
200-24B	24	160	0.33
200-26B	26	180	0.43
200-27B	27	180	0.43
200-28B	28	180	0.43
200-29B	29	190	0.53
200-30B	30	190	0.53
200-32B	32	195	0.58
200-35B	35	210	0.85
200-36B	36	210	0.85
200-37B	37	210	0.85
200-38B	38	225	0.98
200-41B	41	225	1.04
200-42B	42	225	1.10
200-46B	46	225	1.48
200-50B	50	280	1.71
200-52B	52	280	2.20
200-55B	55	310	2.20
200-56B	56	310	2.20
200-60B	60	320	2.76
200-63B	63	350	4.36
200-65B	65	350	4.36
200-70B	70	375	4.85
200-75B	75	395	5.56
200-80B	80	410	6.20
200-85B	85	415	6.50
200-90B	90	435	7.45
200-95B	95	450	8.10
200-100B	100	485	9.90
200-105B	105	485	9.90
200-110B	110	510	19.5
200-115B	115	510	19.5
200-120B	120	545	23.0
200-125B	125	545	23.0
200-130B	130	575	28.0
200-135B	135	575	28.0
200-145B	145	640	38.0
200-150B	150	640	38.0
200-155B	155	640	38.0

No.	S inch	L inch	wt. lbs.
200U-010B	11/16	5 ⁹ / ₁₆	0.40
200U-015B	3/4	5 ⁹ / ₁₆	0.42
200U-020B	7/8	6	0.57
200U-025B	15/16	6 ³ / ₈	0.73
200U-030B	1	7 ³ / ₁₆	0.95
200U-035B	1 ¹ / ₁₆	7 ³ / ₁₆	0.95
200U-040B	1 ¹ / ₈	7 ³ / ₁₆	0.95
200U-045B	1 ³ / ₁₆	7 ⁹ / ₁₆	1.17
200U-050B	1 ¹ / ₄	7 ⁹ / ₁₆	1.17
200U-055B	1 ⁵ / ₁₆	7 ³ / ₄	1.28
200U-060B	1 ³ / ₈	8 ³ / ₈	1.87
200U-065B	1 ⁷ / ₁₆	8 ³ / ₈	1.87
200U-070B	1 ¹ / ₂	8 ³ / ₈	2.16
200U-080B	1 ⁵ / ₈	9	2.29
200U-085B	1 ¹¹ / ₁₆	9	2.43
200U-095B	1 ¹³ / ₁₆	9	3.26
200U-105B	2	11 ³ / ₁₆	3.77
200U-110B	2 ¹ / ₁₆	11 ³ / ₁₆	4.85
200U-120B	2 ³ / ₁₆	12 ³ / ₈	4.85
200U-125B	2 ¹ / ₄	12 ³ / ₈	4.85
200U-135B	2 ³ / ₈	12 ³ / ₄	6.08
200U-145B	2 ¹ / ₂	14	9.61
200U-150B	2 ⁹ / ₁₆	14	9.61
200U-160B	2 ³ / ₄	15	10.69
200U-175B	3	15 ³ / ₄	12.26
200U-182B	3 ³ / ₁₆	16 ³ / ₈	13.67
200U-190B	3 ³ / ₈	16 ⁹ / ₁₆	14.33
200U-198B	3 ⁹ / ₁₆	17 ³ / ₈	16.42
200U-205B	3 ³ / ₄	18	17.86
200U-210B	3 ⁷ / ₈	18	17.86
200U-215B	4	19 ¹ / ₈	9.90
200U-220B	4 ¹ / ₈	19 ¹ / ₈	9.90
200U-225B	4 ⁵ / ₁₆	20 ¹ / ₈	19.50
200U-240B	4 ⁹ / ₁₆	20 ¹ / ₈	19.50
200U-250B	4 ¹¹ / ₁₆	21 ¹ / ₂	23.00
200U-265B	4 ¹⁵ / ₁₆	21 ¹ / ₂	23.00
200U-270B	5 ³ / ₈	22 ⁵ / ₈	28.00
200U-300B	6	25 ³ / ₁₆	38.00

* OTHER SIZES ON REQUEST

When ordering, specify:

A=Aluminum Bronze

B=Copper Beryllium

Example: 210B-17A

or

210B-17B



210B Wrench, Striking, Box 12-Point (DIN7444)

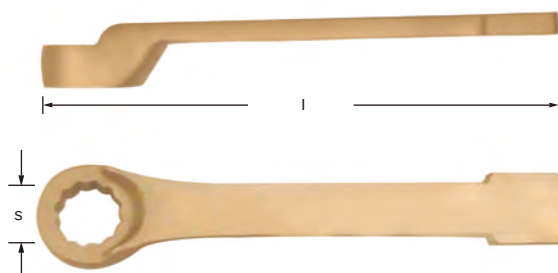
- Ringschiagschlüssel
- Clé à frapper polygonale
- Llave de cajón de golpe

No.	s mm	l mm	kg
201B-17	17	140	0.18
201B-18	18	140	0.18
201B-19	19	140	0.18
201B-20	20	160	0.22
201B-21	21	160	0.22
201B-22	22	160	0.22
201B-23	23	160	0.22
201B-24	24	160	0.27
201B-25	25	160	0.27
201B-26	26	180	0.35
201B-27	27	180	0.35
201B-28	28	180	0.35
201B-29	29	190	0.51
201B-30	30	190	0.51
201B-31	31	190	0.51
201B-32	32	195	0.53
201B-33	33	195	0.53
201B-34	34	205	0.56
201B-35	35	205	0.56
201B-36	36	205	0.56
201B-37	37	205	0.56
201B-38	38	225	0.81
201B-41	41	225	0.81
201B-42	42	225	0.81
201B-46	46	240	1.23
201B-47	47	240	1.23
201B-50	50	250	1.30
201B-52	52	250	1.71
201B-55	55	270	1.71
201B-60	60	270	1.93
201B-65	65	290	2.02
201B-70	70	320	2.78
201B-75	75	335	2.92
201B-80	80	340	3.28
201B-85	85	345	4.19
201B-90	90	375	5.18
201B-95	95	380	5.26
201B-100	100	405	6.30
201B-105	105	410	6.65
201B-110	110	450	8.50
201B-115	115	450	8.50
201B-120	120	475	12.75
201B-125	125	475	12.75
201B-130	130	505	17.25
201B-135	135	505	17.25
201B-145	145	575	21.00
201B-150	150	575	21.00
201B-155	155	575	21.00

No.	s inch	l inch	wt. lbs.
201BU-005	11/16	5 9/16	0.40
201BU-010	3/4	5 9/16	0.40
201BU-012	13/16	6 3/8	0.49
201BU-015	7/8	6 3/8	0.49
201BU-017	15/16	6 3/8	0.60
201BU-020	1	6 3/8	0.60
201BU-025	1 1/16	7 3/16	0.77
201BU-030	1 1/8	7 3/16	0.77
201BU-035	1 3/16	7 9/16	1.12
201BU-040	1 1/4	7 9/16	1.12
201BU-045	1 5/16	7 3/4	1.17
201BU-050	1 3/8	8 3/16	1.23
201BU-055	1 7/16	8 3/16	1.23
201BU-060	1 1/2	9	1.79
201BU-065	1 9/16	9	1.79
201BU-070	1 5/8	9	1.79
201BU-075	1 11/16	9	1.79
201BU-080	1 3/4	9 9/16	2.71
201BU-085	1 13/16	9 9/16	2.71
201BU-090	1 7/8	9 9/16	2.71
201BU-095	2	10	2.87
201BU-100	2 1/16	10	3.77
201BU-105	2 1/8	10	3.77
201BU-110	2 3/16	10 3/4	3.77
201BU-115	2 1/4	10 3/4	4.02
201BU-120	2 5/16	10 3/4	4.02
201BU-125	2 3/8	10 3/4	4.25
201BU-130	2 7/16	11 9/16	4.45
201BU-135	2 1/2	11 9/16	4.45
201BU-140	2 9/16	11 9/16	4.45
201BU-150	2 3/4	12 3/4	6.13
201BU-165	3	13 3/8	6.44
201BU-170	3 1/8	13 3/4	7.23
201BU-175	3 1/4	13 3/4	7.23
201BU-177	3 3/16	13 3/4	7.23
201BU-180	3 3/8	14	9.24
201BU-187	3 9/16	15	11.42
201BU-195	3 3/4	15 3/8	11.60
201BU-205	4	16 3/8	13.89
201BU-212	4 3/16	16 9/16	14.66
201BU-215	4 5/16	17 11/16	18.74
201BU-220	4 9/16	17 11/16	18.74
201BU-225	4 11/16	18 11/16	28.11
201BU-230	4 15/16	18 11/16	28.11
201BU-235	5 1/8	19 27/32	38.03
201BU-250	5 3/8	19 27/32	38.03
201BU-270	5 11/16	22 5/8	46.30
201BU-285	6	22 5/8	46.30

*OTHER SIZES ON REQUEST

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 201F-27A
or
201F-27B



201F Wrench, Striking Box, Offset 12-Point

- Ringschlagschlüssel, gekröpft
- Clé à frapper polygonale, coudée
- Llave de cajón de golpe, acodada

No.	S mm	L mm	ΔΔ kg
201F-27	27	245	0.75
201F-30	30	270	0.82
201F-32	32	270	0.82
201F-36	36	280	1.30
201F-41	41	310	1.35
201F-46	46	320	1.90
201F-50	50	330	2.12
201F-55	55	340	2.52
201F-60	60	355	3.01
201F-65	65	380	3.55
201F-70	70	400	4.30

No.	S inch	L inch	wt. lbs.
201FU-005	1 1/16	19 3/4	1.65
201FU-010	1 3/16	10 3/4	1.81
201FU-015	1 1/4	10 3/4	1.81
201FU-020	1 7/16	11 3/16	2.87
201FU-025	1 5/8	12 3/8	2.98
201FU-030	1 13/16	12 3/4	4.19
201FU-035	2	13 3/16	4.67
201FU-040	2 3/16	13 9/16	5.56
201FU-045	2 3/8	14 3/16	6.64
201FU-050	2 9/16	15 3/16	7.83
201FU-055	2 3/4	16	9.48

* OTHER SIZES ON REQUEST



202 Wrench, Box End, Double Straight Type, 12-Point

- Doppelringschlüssel gerade
- Clé polygonale double droite
- Llave de cajón doble tipo recto

No.	S1XS2 mm	L mm	ΔΔ kg
202-67	6X7	80	0.03
202-89	8X9	95	0.04
202-910	9X10	105	0.06
202-1214	12X14	130	0.10
202-1415	14X15	130	0.09
202-1719	17X19	150	0.14
202-1922	19X22	185	0.18
202-2224	22X24	190	0.22
202-2427	24X27	220	0.29
202-2730	27X30	270	0.42
202-3032	30X32	270	0.48
202-3236	32X36	305	0.60

No.	S1XS2 inch	L inch	wt. lbs.
202U-005	7/32X1/4	3 3/4	0.09
202U-010	1/4X5/16	3 3/4	0.09
202U-015	11/16X3/4	3 3/4	0.09
202U-020	3/8X7/16	5 3/16	0.21
202U-030	7/16X9/16	5 3/16	0.21
202U-070	11/16X3/4	6	0.31
202U-080	3/4X7/8	7 3/8	0.40
202U-095	7/8X15/16	7 9/16	0.49
202U-120	15/16X1 1/16	8 3/4	0.64
202U-135	1 1/16X1 3/16	10 3/4	0.93
202U-150	1 3/16X1 1/4	10 3/4	1.06
202U-160	1 1/4X1 7/16	12 3/16	1.32

* OTHER SIZES ON REQUEST

When ordering, specify:

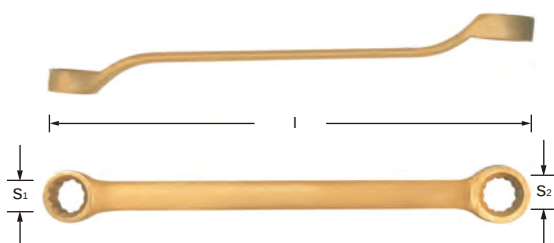
A=Aluminum Bronze

B=Copper Beryllium

Example: 202F-67A

or

202F-67B



202F

Wrench, Box End, Double Offset Type, 12-Point

- Doppelringschlüssel gekröpft
- Clé polygonale double contre-coudée
- Llave de cajón doble tipo acodado

No.	S ₁ X S ₂ mm	L mm	Δ kg	No.	S ₁ X S ₂ inch	L inch	wt. lbs.
202F-67	6X7	155	0.03	202FU-005	7/32X1/4	4 ^{3/4}	0.06
202F-78	7X8	155	0.03	202FU-010	1/4X9/32	4 ^{3/4}	0.06
202F-79	7X9	155	0.03	202FU-015	1/4X5/16	5 ^{3/16}	0.07
202F-89	8X9	155	0.04	202FU-020	1/4X3/8	5 ^{3/16}	0.07
202F-810	8X10	170	0.04	202FU-025	5/16X3/8	5 ^{3/16}	0.09
202F-911	9X11	170	0.08	202FU-030	3/8X7/16	5 ^{3/16}	0.18
202F-1012	10X12	180	0.08	202FU-035	3/8X9/16	7 ^{3/16}	0.18
202F-1013	10X13	180	0.08	202FU-040	7/16X1/2	7 ^{3/16}	0.22
202F-1113	11X13	180	0.10	202FU-045	7/16X9/16	7 ^{3/16}	0.22
202F-1213	12X13	180	0.10	202FU-050	1/2X9/16	7 ^{3/16}	0.22
202F-1214	12X14	200	0.10	202FU-055	19/32X1/2	7 ^{3/16}	0.22
202F-1315	13X15	220	0.14	202FU-060	9/16X5/8	8 ^{3/4}	0.33
202F-1415	14X15	220	0.15	202FU-065	5/8X11/16	8 ^{3/4}	0.44
202F-1417	14X17	230	0.15	202FU-070	5/8X3/4	8 ^{3/4}	0.49
202F-1617	16X17	260	0.20	202FU-075	11/16X3/4	10	0.49
202F-1618	16X18	260	0.18	202FU-080	25/32X11/16	10	0.49
202F-1719	17X19	280	0.22	202FU-085	7/8X11/16	11 ^{3/16}	0.62
202F-1819	18X19	280	0.22	202FU-090	3/4X13/16	11 ^{3/16}	0.62
202F-1722	17X22	330	0.28	202FU-095	3/4X7/8	11 ^{3/16}	0.62
202F-1922	19X22	330	0.28	202FU-100	3/4X15/16	12 ^{3/8}	0.93
202F-2022	20X22	330	0.28	202FU-105	7/8X13/16	12 ^{3/8}	0.93
202F-1924	19X24	360	0.42	202FU-110	7/8X15/16	12 ^{3/8}	0.93
202F-2123	21X23	360	0.42	202FU-115	7/8X31/32	12 ^{3/8}	0.93
202F-2224	22X24	360	0.42	202FU-120	7/8X1	12 ^{3/8}	0.93
202F-2227	22X27	360	0.50	202FU-125	7/8X1 ^{1/16}	13 ^{9/16}	1.17
202F-2426	24X26	400	0.50	202FU-130	15X16X1	13 ^{9/16}	1.17
202F-2427	24X27	400	0.50	202FU-135	15/16X1 ^{1/16}	13 ^{9/16}	1.10
202F-2528	25X28	400	0.53	202FU-140	15/16X1 ^{3/16}	14 ^{3/8}	1.19
202F-2430	24X30	410	0.54	202FU-150	1X1 ^{1/8}	13 ^{9/16}	1.17
202F-2730	27X30	410	0.55	202FU-155	1 ^{1/16} X1 ^{1/8}	14 ^{3/8}	1.21
202F-2732	27X32	410	0.72	202FU-160	1 ^{1/16} X1 ^{1/4}	15 ^{3/16}	1.59
202F-3032	30X32	430	0.72	202FU-165	1 ^{1/8} X1 ^{5/16}	15 ^{3/16}	1.59
202F-3036	30X36	480	0.99	202FU-170	1 ^{3/16} X1 ^{1/4}	15 ^{3/16}	1.59
202F-3236	32X36	480	0.99	202FU-175	1 ^{3/16} X1 ^{7/16}	16 ^{3/4}	2.18
202F-3436	34X36	480	0.99	202FU-185	1 ^{1/4} X1 ^{7/16}	16 ^{3/4}	2.18
202F-3641	36X41	510	1.28	202FU-190	1 ^{7/16} X1 ^{5/8}	18 ^{3/16}	2.18
202F-4146	41X46	580	1.60	202FU-195	1 ^{5/8} X1 ^{13/16}	18 ^{3/4}	3.53
202F-4650	46X50	630	2.08	202FU-200	1 ^{13/16} X2	19 ^{9/16}	4.59
202F-5055	50X55	690	2.52	202FU-205	2X2 ^{3/16}	20 ^{3/8}	5.56

202FKit

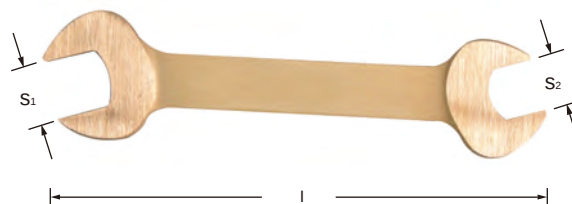
Double End Box Wrench Offset Kit

- Doppelringschlüssel gekröpft, garnitur
- Clé polygonale double contre-coudée, jeu
- Llave de cajón doble tipo acodado, juego

No.	Parts	S mm	Δ kg
202FKIT-8	8	6X7,8X9,10X11,12X13,14X15,16X17,18X19,20X22	1.42
202FKIT-12	12	6X7,8X9,10X11,12X13,14X15,16X17,18X19,20X22,21X23,24X26,27X32,30X34	4.81

*PLASTIC CASE INCLUDED

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 203-67A
or
203-67B



203 Wrench, Open End, Double

- Doppelmaulschlüssel
- Clé à fourche double
- Llave de boca doble

No.	S ₁ X S ₂ mm	L mm	Δ kg	No.	S ₁ X S ₂ inch	L inch	wt. lbs.
203-67	6X7	90	0.03	203U-005	7/32X1/4	3 ⁹ / ₁₆	0.07
203-68	6X8	90	0.03	203U-010	1/4X9/32	4	0.07
203-78	7X8	100	0.03	203U-015	1/4X5/16	3 ⁹ / ₁₆	0.07
203-79	7X9	100	0.03	203U-020	1/4X3/8	4	0.07
203-89	8X9	100	0.04	203U-025	5/16X3/8	4	0.09
203-810	8X10	100	0.04	203U-030	3/8X7/16	4 ³ / ₄	0.13
203-910	9X10	100	0.04	203U-035	7/16X1/2	5 ³ / ₁₆	0.14
203-911	9X11	120	0.06	203U-040	7/16X9/16	5 ³ / ₁₆	0.14
203-1012	10X12	120	0.06	203U-045	1/2X9/16	5 ³ / ₈	0.22
203-1114	11X14	130	0.06	203U-050	1/2X5/8	5 ³ / ₈	0.31
203-1214	12X14	135	0.06	203U-055	1/2X11/16	6	0.31
203-1315	13X15	150	0.10	203U-060	9/16X5/8	6	0.31
203-1415	14X15	150	0.14	203U-065	9/16X11/16	6	0.31
203-1417	14X17	150	0.14	203U-070	9/16X3/4	6 ⁹ / ₁₆	0.31
203-1618	16X18	165	0.14	203U-085	5/8X11/16	6 ⁹ / ₁₆	0.31
203-1719	17X19	165	0.19	203U-090	5/8X3/4	6 ⁹ / ₁₆	0.42
203-1922	19X22	180	0.23	203U-095	3/4X11/16	6 ⁹ / ₁₆	0.42
203-2022	20X22	180	0.23	203U-115	3/4X7/8	7 ³ / ₁₆	0.51
203-2123	21X23	210	0.26	203U-130	13/16X7/8	8 ³ / ₈	0.57
203-2224	22X24	210	0.29	203U-135	8X15/16	8 ³ / ₈	0.64
203-2427	24X27	230	0.47	203U-160	15/16X1 ¹ / ₁₆	9 ³ / ₁₆	1.04
203-2430	24X30	250	0.52	203U-165	15/16X1 ³ / ₁₆	9 ³ / ₁₆	0.95
203-2528	25X28	230	0.43	203U-175	15/16X1 ³ / ₁₆	10	1.15
203-2730	27X30	250	0.53	203U-185	1 ¹ / ₁₆ X1 ³ / ₁₆	10	1.17
203-2732	27X32	250	0.42	203U-190	1 ¹ / ₁₆ X1 ¹ / ₄	10	0.93
203-3032	30X32	250	0.43	203U-210	1 ³ / ₁₆ X1 ¹ / ₄	10	0.95
203-3236	32X36	290	0.78	203U-220	1 ¹ / ₄ X1 ⁷ / ₁₆	11 ⁹ / ₁₆	1.72
203-3641	36X41	315	1.04	203U-240	1 ⁷ / ₁₆ X1 ⁵ / ₈	12 ⁹ / ₁₆	2.29
203-4146	41X46	365	1.54	203U-250	1 ⁵ / ₈ X1 ¹³ / ₁₆	14 ⁹ / ₁₆	3.40
203-4650	46X50	370	1.73	203U-265	1 ¹³ / ₁₆ X2	14 ³ / ₄	3.81
203-5055	50X55	385	2.39	203U-270	2X2 ³ / ₁₆	15 ³ / ₈	5.27
203-5560	55X60	415	2.81	203U-290	2 ³ / ₁₆ X2 ³ / ₈	16 ⁹ / ₁₆	6.20
203-6065	60X65	435	3.98	203U-300	2 ⁹ / ₁₆ X2 ³ / ₄	18 ³ / ₄	8.77

* OTHER SIZES ON REQUEST

203Kit Double Open End Wrench Kit

- Doppelmaulschlüssel, garnitur
- Clé à fourche double, jeu
- Llave de boca doble, juego

No.	Parts	S mm	Δ kg
203KIT-8	8	6X7,8X9,10X11,12X13,14X15,16X17,18X20,19X22	0.84
203KIT-12	12	6X7,8X9,10X11,12X13,14X15,16X17,18X19,20X22,21X23,24X26,27X32,30X34	2.18

*PLASTIC CASE INCLUDED

When ordering, specify:

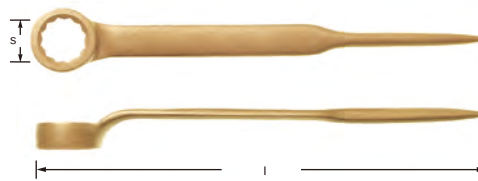
A=Aluminum Bronze

B=Copper Beryllium

Example: 204S-22A

or

204S-22B



204S Wrench, Construction With Pin, (Ring End)

- Montageringschlüssel gekröpft
- Clé fermée à broche, coudée
- Llave de construcción, acodada con perno

No.	S mm	l mm	ΔΔ kg
204S-22	22	350	0.39
204S-24	24	350	0.39
204S-27	27	400	0.45
204S-30	30	400	0.80
204S-32	32	400	0.78
204S-36	36	450	0.93
204S-38	38	450	0.93
204S-41	41	450	1.36
204S-46	46	500	2.06
204S-50	50	550	2.79

No.	S inch	l inch	Wt. lbs.
204SU-005	7/8	14	0.86
204SU-010	15/16	14	0.86
204SU-015	1 ¹ / ₁₆	16	1.08
204SU-020	1 ³ / ₁₆	16	1.76
204SU-025	1 ¹ / ₄	16	1.72
204SU-030	1 ⁷ / ₁₆	18	2.05
204SU-035	1 ¹ / ₂	18	2.05
204SU-040	1 ⁵ / ₈	18	3.00
204SU-045	1 ¹³ / ₁₆	20	4.54
204SU-050	2	22	6.15

*OTHER SIZES ON REQUEST



206 Wrench, Combination

- Ringmaulschlüssel
- Clé mixte
- Llave combinada

No.	S mm	l mm	ΔΔ kg
206-6	6	90	0.02
206-7	7	100	0.03
206-8	8	105	0.03
206-9	9	115	0.05
206-10	10	125	0.05
206-11	11	135	0.07
206-12	12	140	0.09
206-13	13	150	0.10
206-14	14	160	0.13
206-15	15	165	0.14
206-16	16	175	0.15
206-17	17	180	0.17
206-18	18	195	0.21
206-19	19	205	0.23
206-20	20	205	0.25
206-21	21	230	0.27
206-22	22	245	0.30
206-23	23	245	0.36
206-24	24	265	0.41
206-25	25	290	0.58
206-26	26	290	0.58
206-27	27	290	0.58
206-28	28	320	0.63
206-30	30	320	0.63
206-32	32	335	0.79
206-34	34	350	0.92
206-36	36	350	0.93
206-38	38	360	1.24
206-41	41	370	1.46
206-46	46	405	1.68
206-50	50	420	1.92
206-55	55	435	2.32
206-60	60	465	2.59
206-65	65	470	2.88
206-70	70	480	3.39

No.	S inch	l inch	Wt. lbs.
206U-005	1/4	3 ⁹ / ₁₆	0.05
206U-010	5/16	4 ³ / ₁₆	0.07
206U-015	11/32	4 ⁹ / ₁₆	0.10
206U-020	3/8	4 ⁹ / ₁₆	0.10
206U-025	13/32	5 ³ / ₈	0.15
206U-030	7/16	5 ³ / ₈	0.15
206U-035	1/2	6	0.22
206U-040	9/16	6 ³ / ₈	0.29
206U-045	19/32	6 ³ / ₈	0.29
206U-050	5/8	7	0.33
206U-055	11/16	7 ³ / ₁₆	0.37
206U-060	3/4	8 ³ / ₁₆	0.51
206U-065	25/32	8 ³ / ₁₆	0.51
206U-070	13/16	9 ³ / ₁₆	0.60
206U-075	7/8	9 ³ / ₄	0.66
206U-080	15/16	10 ⁹ / ₁₆	0.90
206U-085	31/32	11 ⁹ / ₁₆	1.28
206U-090	1	11 ⁹ / ₁₆	1.28
206U-095	1 ¹ / ₁₆	11 ⁹ / ₁₆	1.28
206U-100	1 ¹ / ₈	12 ³ / ₄	1.39
206U-105	1 ³ / ₁₆	12 ³ / ₄	1.39
206U-110	1 ¹ / ₄	13 ³ / ₈	1.74
206U-115	1 ⁵ / ₁₆	14	2.03
206U-120	1 ³ / ₈	14	2.03
206U-125	1 ⁷ / ₁₆	14	2.05
206U-130	1 ¹ / ₂	14 ³ / ₈	2.73
206U-135	1 ⁹ / ₁₆	14 ³ / ₄	3.22
206U-140	1 ⁵ / ₈	14 ³ / ₄	3.22
206U-145	1 ¹¹ / ₁₆	16 ³ / ₁₆	3.70
206U-155	1 ¹³ / ₁₆	16 ³ / ₁₆	3.70
206U-165	2	16 ³ / ₄	4.23
206U-170	2 ³ / ₁₆	17 ³ / ₈	5.11
206U-175	2 ³ / ₈	18 ⁹ / ₁₆	5.71
206U-180	2 ⁹ / ₁₆	18 ³ / ₄	6.35
206U-185	2 ⁵ / ₈	19 ³ / ₁₆	7.47

*ALSO AVAILABLE IN LONG VERSION

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 207F-30A
or
207F-30B



206Kit Combination Wrench Kit

- Ringmaulschlüssel, garnitur
- Clé mixte, jeu
- Llave combinada, juego

No.	Parts	inch/mm	kg
206KIT-7	7	3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8	2.20
206KIT-9	9	6, 7, 8, 10, 13, 15, 17, 18, 19	1.23
206KIT-11	11	10, 13, 15, 17, 18, 19, 21, 22, 24, 27, 30	3.36
206KIT-14	14	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24	2.97

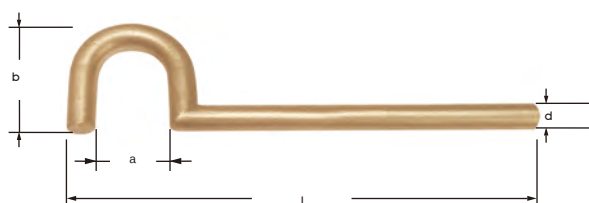
*PLASTIC CASE INCLUDED



207F Valve Wheel Hook

- Ventilhaken
- Clé à valve
- Gancho girador de válvulas

No.	a mm	b mm	d mm	l mm	kg	a inch	b inch	d inch	l inch	Wt. lbs.
207F-30	30	56	13	300	0.44	1 3/16	2 1/4	1/2	12	0.96
207F-35	35	61	13	350	0.50	1 3/8	2 7/16	1/2	14	1.11
207F-40	40	72	16	400	0.87	1 9/16	2 7/8	5/8	16	1.93
207F-45	45	77	16	450	0.98	1 3/4	3 1/16	5/8	18	2.15
207F-50	50	88	19	500	1.54	2	3 1/2	3/4	20	3.39
207F-60	60	104	22	600	2.47	2 3/8	4 1/8	7/8	24	5.44
207F-70	70	120	25	700	3.71	2 3/4	4 3/4	1	28	8.18
207F-80	80	136	28	800	5.31	3 3/16	5 7/16	1 1/8	32	11.72



207 Wrench, Valve

- Ventilhaken
- Clé à valve
- Gancho girador de válvulas

No.	a mm	b mm	d mm	l mm	kg	a inch	b inch	d inch	l inch	Wt. lbs.
207-30	30	56	13	200	0.30	1 3/16	2 1/4	1/2	8	0.66
207-32	32	60	14	250	0.42	1 1/4	2 3/8	9/16	10	0.93
207-36	36	66	15	270	0.52	1 7/16	2 5/8	9/16	10 3/4	1.15
207-41	41	73	16	300	0.66	1 5/8	2 7/8	5/8	12	1.46
207-50	50	86	18	320	0.92	2	3 7/16	11/16	12 3/4	2.02

When ordering, specify:

A=Aluminum Bronze

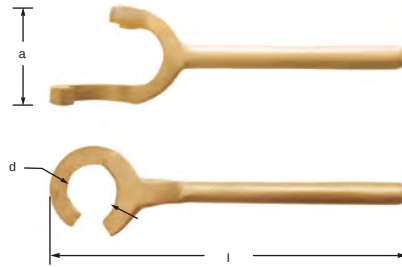
B=Copper Beryllium

Example: 207S-215A

OR

207S-215B

207S Wrench, Valve Wheel (DIN87311)

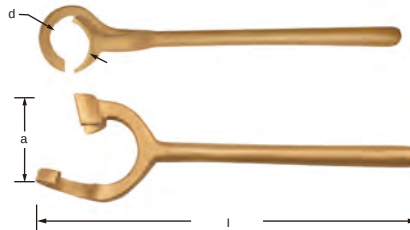


- Handradschlüssel
- Clé à volant
- Llave giradora de válvulas

No.	d mm	a mm	l mm	Δ kg	d inch	a inch	l inch	Wt. lbs.
207S-215	32	56	215	0.39	1 ¹ / ₄	2 ¹ / ₄	8 ⁹ / ₁₆	0.86
207S-290	36	56	290	1.03	1 ⁷ / ₁₆	2 ¹ / ₄	11 ⁹ / ₁₆	2.27
207S-400	48	80	400	0.86	1 ⁷ / ₈	3 ³ / ₁₆	16	1.90
207S-490	60	100	490	1.95	2 ³ / ₈	4	19 ⁹ / ₁₆	4.30
207S-800	60	110	800	5.70	2 ³ / ₈	4 ³ / ₈	32	12.57

*OTHER SIZES ON REQUEST

207ES Wrench, Valve Wheel, Special

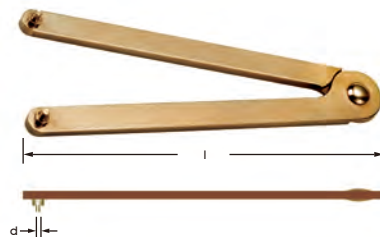


- Handradschlüssel
- Clé à volant
- Llave giradora de válvulas

No.	wheel size	d mm	a mm	l mm	Δ kg	wheel size	d inch	a inch	l inch	Wt. lbs.
207ES-215	76-178	24	56	215	0.20	3-7	15/16	2 ¹ / ₄	8 ⁹ / ₁₆	0.44

*OTHER SIZES ON REQUEST

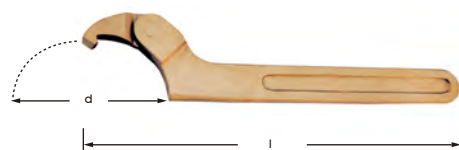
208DH Spanner, Adjustable For Double Hole



- Schraubenschlüssel für Doppel-Loch
- Clé ajustable pour double trous
- Llave ajustable por doble agujero

No.	d mm	l mm	Δ kg	d inch	l inch	Wt. lbs.
208DH-2.9	2.9	160	0.14	1/8	6 ³ / ₈	0.31

208S Hook, Spanner Adjustable



- Gelenkhakenschlüssel
- Clé à ergot articulé
- Llave de gancho ajustable

No.	d mm	l mm	Δ kg	d inch	l inch	Wt. lbs.
208S-3275	32-75	250	0.21	1 ¹ / ₄ -3	8 ³ / ₁₆	0.46
208S-50120	50-120	285	0.48	2-4 ³ / ₄	11 ³ / ₈	1.06
208S-115170	115-170	310	1.21	4 ⁹ / ₁₆ -6 ³ / ₄	12 ³ / ₈	2.76

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 208-1214A

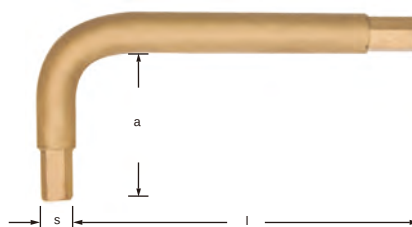
OR
208-1214B



208 Hook, Spanner, Fixed (DIN1810)

- Hakenschlüssel
- Clé à ergot
- Llave de gancho

No.	d mm	l mm	ΔΔ kg	d inch	l inch	Wt. lbs.
208-1214	12/14	103	0.03	7/16-9/16	4 ¹ / ₈	0.07
208-1618	16/18	104	0.03	5/8-11/16	4 ¹ / ₈	0.07
208-1620	16/20	104	0.03	5/8-3/4	4 ¹ / ₈	0.07
208-2022	20/22	105	0.03	3/4-7/8	4 ³ / ₁₆	0.07
208-2528	25/28	126	0.05	1-1 ¹ / ₈	5 ³ / ₆₄	0.11
208-3032	30/32	128	0.05	1 ³ / ₁₆ -1 ¹ / ₄	5 ¹ / ₈	0.11
208-3436	34/36	160	0.10	1 ³ / ₈ -1 ⁷ / ₁₆	6 ³ / ₈	0.22
208-4042	40/42	161	0.10	1 ⁹ / ₁₆ -1 ¹¹ / ₁₆	6 ⁷ / ₁₆	0.22
208-4550	45/50	193	0.18	1 ³ / ₄ -2	7 ¹¹ / ₁₆	0.40
208-5255	52/55	195	0.18	2 ¹ / ₁₆ -2 ³ / ₁₆	7 ³ / ₄	0.40
208-5862	58/62	227	0.29	2 ⁵ / ₁₆ -2 ⁷ / ₁₆	9 ¹ / ₁₆	0.64
208-6875	68/75	230	0.29	2 ¹¹ / ₁₆ -3	9 ³ / ₁₆	0.64
208-8090	80/90	266	0.45	3 ³ / ₁₆ -3 ⁹ / ₁₆	10 ⁵ / ₈	0.99
208-95100	95/100	271	0.44	3 ³ / ₄ -4	10 ¹³ / ₁₆	0.97
208-110115	110/115	315	0.82	4 ³ / ₈ -4 ⁹ / ₁₆	12 ⁹ / ₁₆	1.81
208-120130	120/130	319	0.82	4 ³ / ₄ -5 ³ / ₁₆	12 ³ / ₄	1.81
208-135145	135/145	363	1.32	5 ³ / ₈ -5 ³ / ₄	14 ¹ / ₂	2.91



209 Wrench, Allen / Hex Key (DIN911)

Copper Beryllium (CuBe) only

- Sechskant-Winkelschraubendreher (inbus)
- Clé mâle pour vis creuse à 6 pans
- Llaveallen hexagonal

No.	s mm	a mm	l mm	ΔΔ kg	No.	s inch	a inch	l inch	wt. lbs.
209-1.5	1.5	14	45	0.01	209U-005	1/16	9/16	1 ³ / ₄	0.01
209-2	2	16	50	0.01	209U-010	5/64	5/8	2	0.01
209-2.5	2.5	18	56	0.01	209U-015	3/32	11/16	2 ¹ / ₄	0.01
209-3	3	20	63	0.01	209U-020	1/8	3/4	2 ¹ / ₂	0.02
209-4	4	25	70	0.01	209U-025	9/64	1	2 ³ / ₄	0.04
209-5	5	28	80	0.02	209U-030	5/32	1	2 ³ / ₄	0.03
209-6	6	32	90	0.04	209U-035	3/16	1 ¹ / ₈	3 ³ / ₁₆	0.05
209-7	7	34	95	0.05	209U-040	7/32	1 ¹ / ₄	3 ⁹ / ₁₆	0.08
209-8	8	36	100	0.08	209U-045	1/4	1 ³ / ₈	3 ³ / ₄	0.11
209-10	10	40	112	0.13	209U-050	5/16	1 ⁷ / ₁₆	4	0.19
209-12	12	45	125	0.21	209U-060	7/16	1 ³ / ₄	5	0.47
209-14	14	56	140	0.35	209U-065	1/2	2 ¹ / ₄	5 ⁹ / ₁₆	0.77
209-17	17	63	160	0.56	209U-070	9/16	2 ¹ / ₄	5 ⁹ / ₁₆	0.77
209-19	19	70	180	0.76	209U-085	3/4	2 ³ / ₄	7 ³ / ₁₆	1.68
209-22	22	80	200	1.25	209U-090	1	3 ³ / ₁₆	8	2.76
209-24	24	90	224	1.63	209U-095	15/16	3 ⁹ / ₁₆	8 ¹⁵ / ₁₆	3.59
209-27	27	100	250	2.37	209U-100	1 ¹ / ₁₆	4	10	5.22
209-32	32	125	315	4.22	209U-105	1 ¹ / ₈	5	12 ⁹ / ₁₆	9.30
209-36	36	140	355	5.82	209U-110	1 ¹ / ₄	5	12 ⁹ / ₁₆	9.30

When ordering, specify:

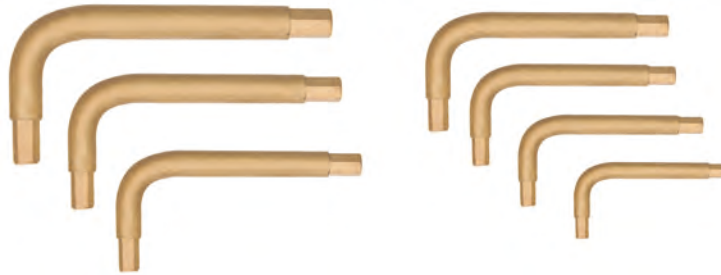
A=Aluminum Bronze

B=Copper Beryllium

Example: 216L-22A

or

216L-22B



209Kit Allen Wrench Kit (Pouch included)

Copper Beryllium (CuBe only)

- Sechskant-Winkelschraubendreher (inbus)
- Clé mâle pour vis creuse à 6 pans
- Llave hexagonal, allen

No.	Parts	S mm	ΔΔ kg
209K-7B	7	1.5,2,2.5,3,4,5,6	0.13
209K-9B	9	1.5,2,2.5,3,4,5,6,8,10	0.53



209L Wrench, Allen / Hex Key Ball Point, Long Type

Copper Beryllium (CuBe) only

- Sechskant - Winkelschraubendreher, lang, mit Kugelpunkt
- Clé mâle longue à tête sphérique
- Llave hexagonal, larga, cabeza esférica

No.	S mm	a mm	l mm	ΔΔ kg
209L-1.5	1.5	14	88	0.01
209L-2	2	16	99	0.01
209L-2.5	2.5	18	109	0.01
209L-3	3	20	125	0.01
209L-4	4	25	139	0.03
209L-5	5	28	155	0.04
209L-6	6	32	176	0.07
209L-7	7	34	188	0.09
209L-8	8	36	201	0.14
209L-10	10	40	228	0.25
209L-12	12	45	258	0.37
209L-14	14	56	276	0.63
209L-17	17	63	299	0.92

No.	S inch	a inch	l inch	Wt. lbs.
209LU-005	1/16	9/16	3 1/2	0.01
209LU-010	5/64	5/8	3 15/16	0.01
209LU-015	3/32	11/16	4 3/8	0.02
209LU-020	1/8	3/4	5	0.03
209LU-025	5/32	1 1/8	6 3/16	0.09
209LU-030	3/16	1 1/4	7	0.15
209LU-035	7/32	1 3/8	7 1/2	0.20
209LU-040	1/4	1 7/16	8	0.32
209LU-045	5/16	1 3/4	10 5/16	0.82
209LU-048	3/8	2 1/4	11	1.39
209LU-050	7/16	1 3/4	10 5/16	0.82
209LU-055	1/2	2 1/4	11	1.39

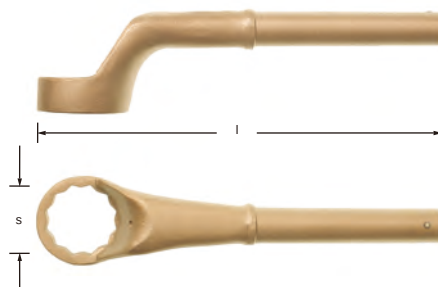


216 Extension For Box Wrench

- Aufsteckrohr für Ringzugschlüssel
- Tube levier pour clé polygonale
- Extension para la llave de cajon

No.	d mm	l mm	ΔΔ kg	d inch	l inch	Wt. lbs.
216-22	22	600	1.10	7/8	24	2.43
216-25	25	750	1.88	1	30	4.14
216-30	30	850	2.72	1 3/16	34	6.00

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 215-30A
or
215-30B



215 Wrench, Box, For Extension

- Ringzugschlüssel
- Clé polygonale à extension
- Llave de cajón para extensión

No.	s mm	l mm	Δ kg	No.	s inch	l inch	Wt. lbs.
215-30	30	200	0.92	215U-005	1 ³ / ₁₆	8	2.03
215-32	32	235	0.97	215U-010	1 ¹ / ₄	9 ³ / ₈	2.14
215-33	33	235	0.97	215U-015	1 ⁵ / ₁₆	9 ³ / ₈	2.14
215-34	34	235	0.97	215U-020	1 ³ / ₈	9 ³ / ₈	2.14
215-35	35	245	1.03	215U-025	1 ⁷ / ₁₆	9 ³ / ₄	2.27
215-36	36	245	1.03	215U-030	1 ¹ / ₂	10	2.51
215-37	37	250	1.14	215U-040	1 ⁵ / ₈	10 ⁹ / ₁₆	2.78
215-38	38	250	1.14	215U-045	1 ¹¹ / ₁₆	10 ⁹ / ₁₆	2.78
215-41	41	265	1.26	215U-055	1 ¹³ / ₁₆	11 ³ / ₁₆	3.53
215-42	42	265	1.26	215U-060	1 ⁷ / ₈	11 ³ / ₁₆	3.53
215-46	46	280	1.60	215U-065	2	11 ³ / ₁₆	3.90
215-47	47	280	1.60	215U-070	2 ¹ / ₁₆	11 ³ / ₁₆	3.90
215-50	50	280	1.77	215U-080	2 ³ / ₁₆	11 ⁹ / ₁₆	4.30
215-52	52	280	1.77	215U-090	2 ⁵ / ₁₆	13 ³ / ₁₆	6.39
215-55	55	290	1.95	215U-095	2 ³ / ₈	13 ³ / ₁₆	6.39
215-58	58	330	2.90	215U-110	2 ⁹ / ₁₆	14	6.83
215-60	60	330	2.90	215U-115	2 ⁵ / ₈	14 ³ / ₈	7.72
215-65	65	350	3.10	215U-120	2 ³ / ₄	14 ³ / ₈	7.72
215-70	70	360	3.50	215U-125	2 ³ / ₁₆	14 ³ / ₈	7.72



501 Wrench, Adjustable End

- Rollgabelschlüssel
- Clé à molette
- Llave de cabeza ajustable

No.	s max mm	l mm	Δ kg	s max inch	l inch	Wt. lbs.
501-6	19	150	0.13	3/4	6	0.29
501-8	24	200	0.28	15/16	8	0.62
501-10	28	250	0.48	1 ¹ / ₈	10	1.06
501-12	34	300	0.76	1 ³ / ₈	12	1.68
501-15	45	375	1.42	1 ³ / ₄	15	3.13
501-18	55	450	2.81	2 ³ / ₁₆	18	6.19
501-24	60	600	4.93	2 ³ / ₈	24	10.87

When ordering, specify:

A=Aluminum Bronze

B=Copper Beryllium

Example: 502-6A

or

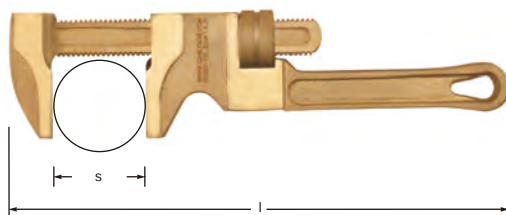
502-6B



502 Wrench, Pipe (American Type)

- Verstellbare Rohrschlüssel
- Clé serre-tube
- Llave ajustable para tubos

No.	d max mm	l mm	Δ kg	d max inch	l inch	Wt. lbs.
502-6	20	150	0.30	3/4	6	0.66
502-8	25	200	0.47	1	8	1.04
502-10	30	250	1.02	1 3/16	10	2.25
502-12	40	300	1.48	1 9/16	12	3.26
502-14	50	350	1.63	2	14	3.59
502-18	60	450	2.85	2 3/8	18	6.28
502-24	75	600	4.84	3	24	10.67
502-36	85	900	7.79	3 3/8	36	17.17
502-48	110	1200	13.57	4 3/8	48	29.92



503 Wrench, Monkey

- Verstellbarer Schraubenschlüssel
- Clé anglaise
- Llave inglesa

No.	s max mm	l mm	Δ kg	s max inch	l inch	Wt. lbs.
503-10	48	254	0.83	1 7/8	10 1/8	1.83
503-15	70	380	2.19	2 3/4	15 3/16	4.83



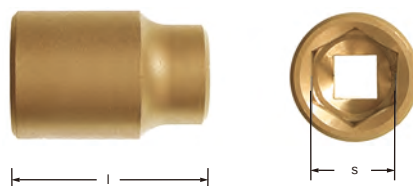
600 Wrench, Chain Pipe

- Kettenrohrzange
- Serre-tube à chaîne
- Llave encadenadora de tubos

No.	d max mm	l mm	Δ kg	d max inch	l inch	Wt. lbs.
600-2	50	600	1.60	2	24	3.53
600-4	100	600	1.81	4	24	3.99
600-6	150	600	1.99	6	24	4.39

*AVAILABLE IN HEAVY DUTY VERSION

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 1503AA-3A
or
1503AA-3B



1503AA Socket 1/4" Drive

- Steckschlüsseinsatz, 1/4" drive
- Douilles, 1/4" drive
- Cubos, 1/4" drive

No.	S mm	l mm	Δ kg
1503AA-3	3	23	0.01
1503AA-4	4	23	0.01
1503AA-5	5	23	0.01
1503AA-6	6	23	0.01
1503AA-7	7	23	0.01
1503AA-8	8	23	0.02
1503AA-9	9	23	0.02
1503AA-10	10	23	0.02
1503AA-11	11	25	0.02
1503AA-12	12	25	0.03
1503AA-13	13	25	0.03
1503AA-14	14	25	0.03

No.	S inch	l inch	Wt. lbs.
1503AAU-005	1/8	7/8	0.02
1503AAU-010	3/16	7/8	0.02
1503AAU-012	7/32	7/8	0.02
1503AAU-015	1/4	7/8	0.02
1503AAU-017	9/32	7/8	0.04
1503AAU-020	5/16	7/8	0.04
1503AAU-022	11/32	7/8	0.04
1503AAU-025	3/8	7/8	0.04
1503AAU-030	7/16	1	0.04
1503AAU-035	1/2	1	0.07
1503AAU-040	9/16	1	0.07

1520-Kit Sockets 1/4" Drive Kit (Case included)

- Steckschlüsseinsätze 1/4" drive-14-Stücke Garnitur
- Douilles 1/4" drive-14-pièces jeu
- Cubos 1/4" drive-14-piezas juego

No.	S mm	Accessoires	Δ kg
1520-14	4,5,6,7,8,9,10,11,12,13	Ratchet Sliding Bar 100mm Extension Bar Hinged Handle	0.96

*PLASTIC CASE INCLUDED

1503A Socket 3/8" Drive

- Steckschlüsseinsatz, 3/8" drive
- Douilles, 3/8" drive
- Cubos, 3/8" drive

No.	S mm	l mm	Δ kg
1503A-6	6	31	0.02
1503A-7	7	31	0.02
1503A-8	8	31	0.02
1503A-9	9	31	0.02
1503A-10	10	31	0.03
1503A-11	11	31	0.04
1503A-12	12	31	0.04
1503A-13	13	31	0.04
1503A-14	14	31	0.05
1503A-15	15	34	0.06
1503A-16	16	34	0.06
1503A-17	17	34	0.06
1503A-18	18	34	0.07
1503A-19	19	34	0.07
1503A-20	20	38	0.08
1503A-21	21	38	0.08
1503A-22	22	38	0.09

No.	S inch	l inch	Wt. lbs.
1503AU-005	1/4	1/4	0.04
1503AU-010	5/16	1/4	0.04
1503AU-015	3/8	1/4	0.04
1503AU-020	7/16	1/4	0.09
1503AU-025	1/2	1/4	0.09
1503AU-030	9/16	1/4	0.11
1503AU-035	5/8	3/8	0.13
1503AU-040	11/16	3/8	0.13
1503AU-045	3/4	3/8	0.15
1503AU-050	13/16	1/2	0.18
1503AU-055	7/8	1/2	0.20

When ordering, specify:

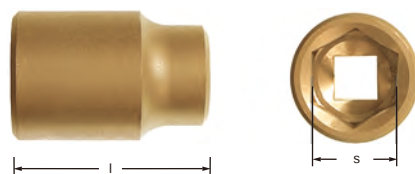
A=Aluminum Bronze

B=Copper Beryllium

Example: 1503B-6A

or

1503B-6B



1503B Socket 1/2" Drive

- Steckschlüsseinsatz, 1/2" drive
- Douilles, 1/2" drive
- Cubos, 1/2" drive

No.	S mm	L mm	kg
1503B-6	6	38	0.07
1503B-7	7	38	0.07
1503B-8	8	38	0.08
1503B-9	9	38	0.08
1503B-10	10	38	0.08
1503B-11	11	38	0.08
1503B-12	12	38	0.08
1503B-13	13	38	0.08
1503B-14	14	38	0.08
1503B-15	15	38	0.08
1503B-16	16	38	0.09
1503B-17	17	38	0.10
1503B-18	18	38	0.11
1503B-19	19	38	0.11
1503B-20	20	38	0.11
1503B-21	21	38	0.11
1503B-22	22	38	0.12
1503B-23	23	38	0.13
1503B-24	24	38	0.14
1503B-25	25	38	0.14
1503B-26	26	38	0.16
1503B-27	27	40	0.18
1503B-28	28	40	0.20
1503B-29	29	40	0.20
1503B-30	30	42	0.21
1503B-31	31	42	0.23
1503B-32	32	42	0.23

No.	S inch	L inch	Wt. lbs.
1503BU-005	1/4	1 1/2	0.15
1503BU-010	5/16	1 1/2	0.18
1503BU-015	3/8	1 1/2	0.18
1503BU-020	7/16	1 1/2	0.18
1503BU-025	1/2	1 1/2	0.18
1503BU-030	9/16	1 1/2	0.18
1503BU-035	5/8	1 1/2	0.20
1503BU-040	11/16	1 1/2	0.22
1503BU-045	3/4	1 1/2	0.24
1503BU-047	25/32	1 1/2	0.24
1503BU-050	13/16	1 1/2	0.24
1503BU-055	7/8	1 1/2	0.26
1503BU-060	15/16	1 1/2	0.31
1503BU-065	1	1 1/2	0.31
1503BU-070	1 1/16	1 9/16	0.40
1503BU-075	1 1/8	1 9/16	0.44
1503BU-080	1 3/16	1 11/16	0.46
1503BU-085	1 1/4	1 11/16	0.51
1503BU-090	1 5/16	1 11/16	0.55
1503BU-095	1 3/8	1 11/16	0.60
1503BU-100	1 7/16	1 11/16	0.64
1503BU-110	1 1/2	1 11/16	0.69

1530-Kit Sockets 1/2" Drive Kit (Box included)

- Steckschlüsseinsätze 1/2" drive-27-Stücke Garnitur
- Douilles 1/2" drive-27-pièces jeu
- Cubos 1/2" drive-27-piezas juego

No.	S mm	Accessoires	kg
1530-27	8,10,11,12,13,14,15,16,17,18,19, 20,21,22,23,24,26,27,28,30,32	Ratchet Spanner Hinged Handle Extension Bar100mm Extension Bar250mm Sliding Tee Universal Joint	7.16

*PLASTIC CASE INCLUDED

No.	S mm	Accessoires	kg
1530-19	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-1/4	Ratchet Sliding Handle Hinged Handle Extension Bar	4.83

*PLASTIC CASE INCLUDED

When ordering, specify:

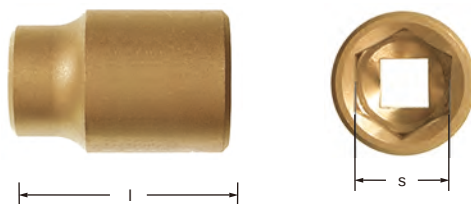
A=Aluminum Bronze

B=Copper Beryllium

Example: 1503D-32A

or

1503D-32B

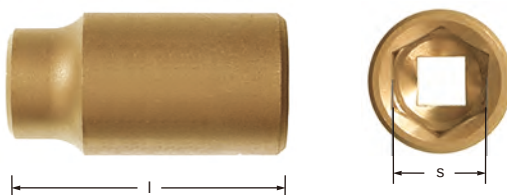


1503D Socket 1" Drive

- Steckschlüsseinsatz, 1" drive
- Douilles, 1" drive
- Cubos, 1" drive

No.	s mm	l mm	Δ kg
1503D-32	32	70	0.52
1503D-36	36	70	0.66
1503D-41	41	70	0.77
1503D-46	46	70	0.89
1503D-50	50	70	0.96
1503D-55	55	70	1.22
1503D-60	60	78	1.42
1503D-65	65	78	1.68
1503D-70	70	78	2.10
1503D-75	75	78	2.36
1503D-80	80	78	2.68

No.	s inch	l inch	Wt. lbs.
1503DU-020	1 ¹ / ₄	2 ³ / ₄	1.15
1503DU-035	1 ⁷ / ₁₆	2 ³ / ₄	1.46
1503DU-045	1 ⁵ / ₈	2 ³ / ₄	1.70
1503DU-060	1 ¹³ / ₁₆	2 ³ / ₄	1.96
1503DU-075	2	2 ³ / ₄	2.12
1503DU-090	2 ³ / ₁₆	2 ¹⁵ / ₁₆	2.69
1503DU-095	2 ¹ / ₄	3 ¹ / ₈	3.13
1503DU-115	2 ¹ / ₂	3 ¹ / ₈	3.70
1503DU-130	2 ³ / ₄	3 ¹ / ₈	4.63
1503DU-145	3	3 ¹ / ₈	5.20
1503DU-153	3 ³ / ₁₆	3 ¹ / ₈	5.91



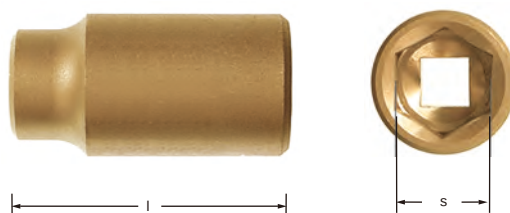
1610 Socket, Deep, 1/4" Drive

- Steckschlüsseinsatz, 1/4" drive, lang
- Douilles, 1/4" drive, longues
- Cubos, 1/4" drive, largo

No.	s mm	l mm	Δ kg
1610-3	3	50	0.03
1610-4	4	50	0.03
1610-4.5	4.5	50	0.03
1610-5	5	50	0.03
1610-5.5	5.5	50	0.03
1610-6	6	50	0.03
1610-7	7	50	0.03
1610-8	8	50	0.03
1610-9	9	50	0.04
1610-10	10	50	0.04
1610-11	11	50	0.06
1610-12	12	50	0.07
1610-13	13	50	0.07
1610-14	14	50	0.09

No.	s inch	l inch	Wt. lbs.
1610U-005	1/8	2	0.06
1610U-010	3/16	2	0.06
1610U-012	7/32	2	0.06
1610U-015	7/32	2	0.06
1610U-017	9/32	2	0.07
1610U-020	1/4	2	0.08
1610U-022	11/32	2	0.09
1610U-025	9/32	2	0.09
1610U-030	5/16	2	0.12
1610U-035	11/32	2	0.16
1610U-040	3/8	2	0.20
1610U-045	7/16	2	0.16
1610U-050	1/2	2	0.16
1610U-055	9/16	2	0.20

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
 Example: 1620-6A
 or
 1620-6B



1620 Socket, Deep, 3/8" Drive

- Steckschlüsseinsatz, 3/8" drive, lang
- Douilles, 3/8" drive, longues
- Cubos, 3/8" drive, largo

No.	S mm	I mm	Wt. kg
1620-6	6	60	0.04
1620-7	7	60	0.04
1620-8	8	60	0.04
1620-9	9	65	0.04
1620-10	10	65	0.08
1620-11	11	65	0.08
1620-12	12	65	0.08
1620-13	13	65	0.08
1620-14	14	65	0.10
1620-15	15	70	0.12
1620-16	16	70	0.12
1620-17	17	70	0.12
1620-18	18	70	0.14
1620-19	19	70	0.14
1620-20	20	70	0.16
1620-21	21	70	0.16
1620-22	22	70	0.18
1620-23	23	70	0.20
1620-24	24	70	0.20
1620-25	25	70	0.20

No.	S inch	I inch	Wt. lbs.
1620U-005	1/4	2	0.09
1620U-010	5/16	2	0.09
1620U-015	3/8	2	0.09
1620U-020	7/16	2	0.09
1620U-025	1/2	2	0.09
1620U-030	9/16	3	0.26
1620U-035	5/8	3	0.26
1620U-040	11/16	3	0.26
1620U-045	3/4	3	0.26
1620U-050	13/16	3	0.35
1620U-055	7/8	3	0.40
1620U-060	15/16	3	0.40
1620U-065	1	3	0.40

1630 Socket, Deep, 1/2" Drive

- Steckschlüsseinsatz, 1/2" drive, lang
- Douilles, 1/2" drive, longues
- Cubos, 1/2" drive, largo

No.	S mm	I mm	Wt. kg
1630-6	6	85	0.14
1630-7	7	85	0.14
1630-8	8	85	0.16
1630-9	9	85	0.16
1630-10	10	85	0.16
1630-11	11	85	0.16
1630-12	12	85	0.16
1630-13	13	85	0.16
1630-14	14	85	0.16
1630-15	15	85	0.16
1630-16	16	85	0.18
1630-17	17	85	0.20
1630-18	18	85	0.22
1630-19	19	85	0.22
1630-20	20	85	0.22
1630-21	21	85	0.22
1630-22	22	85	0.24
1630-23	23	85	0.26
1630-24	24	85	0.28
1630-25	25	85	0.28
1630-26	26	85	0.32
1630-27	27	85	0.36
1630-28	28	85	0.40
1630-29	29	85	0.40
1630-30	30	85	0.42
1630-32	32	85	0.46
1630-36	36	85	0.46

No.	S inch	I inch	Wt. lbs.
1630U-005	1/4	3	0.31
1630U-010	5/16	3	0.35
1630U-015	3/8	3	0.35
1630U-020	7/16	3	0.35
1630U-025	1/2	3	0.35
1630U-030	9/16	3	0.35
1630U-032	19/32	3	0.35
1630U-035	5/8	3	0.40
1630U-040	11/16	3	0.44
1630U-045	3/4	3	0.49
1630U-047	25/32	3	0.49
1630U-050	13/16	3	0.49
1630U-055	7/8	3	0.53
1630U-060	15/16	3	0.62
1630U-065	1	3	0.62
1630U-070	1 1/16	3	0.79
1630U-075	1 1/8	3	0.88
1630U-080	1 3/16	3	0.93
1630U-085	1 1/4	3	1.01
1630U-090	1 5/16	3	1.01
1630U-095	1 3/8	3	1.01
1630U-100	1 7/16	3	1.01
1630U-110	1 1/2	3	1.10
1630U-115	1 9/16	3	1.10
1630U-120	1 5/8	3	1.10

When ordering, specify:

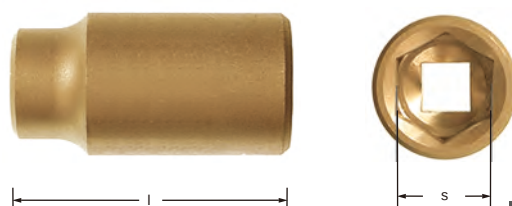
A=Aluminum Bronze

B=Copper Beryllium

Example:1640-19A

or

1640-19B



1640
Socket, Deep, 3/4" Drive

- Steckschlüsseinsatz, 3/4" drive, lang
- Douilles, 3/4" drive, longues
- Cubos, 3/4" drive, largo

No.	s mm	l mm	⚖ kg
1640-19	19	90	0.48
1640-20	20	90	0.48
1640-21	21	90	0.48
1640-22	22	90	0.50
1640-23	23	90	0.52
1640-24	24	90	0.52
1640-25	25	90	0.52
1640-26	26	90	0.52
1640-27	27	90	0.52
1640-28	28	90	0.52
1640-29	29	90	0.56
1640-30	30	90	0.56
1640-31	31	90	0.62
1640-32	32	90	0.64
1640-33	33	90	0.76
1640-34	34	90	0.76
1640-35	35	100	0.92
1640-36	36	100	0.92
1640-37	37	100	1.02
1640-38	38	100	1.02
1640-39	39	100	1.16
1640-40	40	100	1.24
1640-41	41	100	1.24
1640-42	42	100	1.24
1640-43	43	100	1.36
1640-44	44	100	1.36
1640-45	45	100	1.60
1640-46	46	100	1.64
1640-47	47	100	1.68
1640-48	48	100	1.74
1640-49	49	100	1.80
1640-50	50	100	1.84
1640-52	52	100	1.08
1640-55	55	100	1.30
1640-60	60	100	2.00

[illegible]

1650-32B



1650
Socket, Deep, 1" Drive

- Steckschlüsseinsatz, 1" drive, lang
- Douilles, 1" drive, longues
- Cubos, 1" drive, largo

[illegible]

No.	S inch	I inch	Wt. lbs.
1650U-005	1 ^{1/6}	6	2.30
1650U-010	1 ^{1/8}	6	3.30
1650U-015	1 ^{3/16}	6	2.30
1650U-020	1 ^{1/4}	6	2.30
1650U-025	1 ^{5/6}	6	2.30
1650U-030	1 ^{3/8}	6	2.91
1650U-035	1 ^{7/16}	6	2.91
1650U-040	1 ^{1/2}	6	2.91
1650U-045	1 ^{5/8}	6	3.40
1650U-050	1 ^{11/16}	6	3.40
1650U-055	1 ^{3/4}	6	3.40
1650U-060	1 ^{13/16}	6	3.93
1650U-065	1 ^{7/8}	6	3.93
1650U-070	1 ^{15/16}	6	4.24
1650U-075	2	6	4.24
1650U-080	2 ^{1/16}	6	4.24
1650U-085	2 ^{1/8}	6	5.39
1650U-090	2 ^{3/16}	6	5.39
1650U-095	2 ^{1/4}	6	5.39
1650U-100	2 ^{5/16}	6	6.27
1650U-105	2 ^{3/8}	6	6.27
1650U-110	2 ^{7/16}	6	6.27
1650U-115	2 ^{1/2}	6	6.27
1650U-120	2 ^{9/16}	6	7.42
1650U-125	2 ^{5/8}	6	7.42
1650U-130	2 ^{3/4}	6	9.27
1650U-135	2 ^{13/16}	6	9.27

When ordering, specify:

A=Aluminum Bronze

B=Copper Beryllium

Example: 1504-AA100A

or

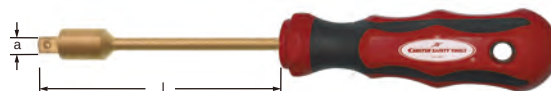
1504-AA100B



1504 Bar Extension

- Verlängerung
- Rallonge
- Barra de extension

No.	a inch	l mm	kg	l inch	Wt. lbs.
1504-AA100	1/4	100	0.05	4	0.12
1504-AA200	1/4	200	0.10	8	0.21
1504-A75	3/8	75	0.07	3	0.15
1504-A150	3/8	150	0.15	6	0.33
1504-B100	1/2	100	0.26	4	0.57
1504-B200	1/2	200	0.41	8	0.90
1504-B250	1/2	250	0.48	10	1.06
1504-C100	3/4	100	0.58	4	1.28
1504-C200	3/4	200	0.96	8	2.12
1504-C250	3/4	250	1.14	10	2.51
1504-D100	1	100	1.00	4	2.20
1504-D250	1	250	1.94	10	4.28



1504S Driver Handle

- Steckschlüsseldreher
- Tourne-douille
- Tornero de cubos

No.	a inch	l mm	kg	l inch	Wt. lbs.
1504S-AA	1/4	70	0.03	2 ^{3/4}	0.06
1504S-A	3/8	115	0.09	4 ^{9/16}	0.20



1506 Wrench Handle, Hinged

- Gelenkgriff
- Poignée articulée
- Mango de cabeza articulada

No.	a inch	l mm	kg	l inch	Wt. lbs.
1506-AA	1/4	145	0.13	5 ^{3/4}	0.29
1506-A	3/8	200	0.22	8	0.49
1506-B	1/2	270	0.56	10 ^{3/4}	1.23
1506-BL	1/2	360	0.73	14 ^{3/8}	1.61
1506-C	3/4	360	1.20	14 ^{3/8}	2.65
1506-D	1	360	1.87	14 ^{3/8}	4.12

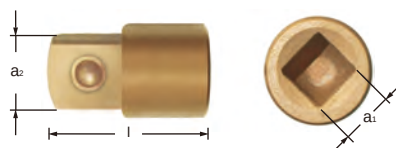
When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
 Example: 1507-AAA
 or
 1507-AAB



1507 Universal Joint

- Kardangelen
- Cardan universel
- Conexión universal

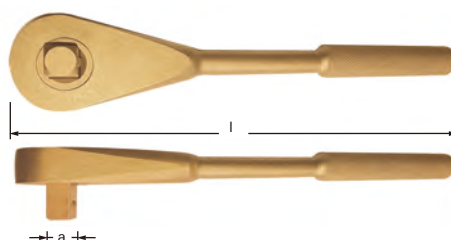
No.	a inch	Δ kg	Wt. lbs.
1507-AA	1/4	0.03	0.07
1507-A	3/8	0.08	0.18
1507-B	1/2	0.16	0.35
1507-C	3/4	0.57	1.26
1507-D	1	1.10	2.43



1509 Adapter / Converter

- Übergangsteil
- Réducteur pour cliquet
- Adaptador para trinquete

No.	a ₁ inch	a ₂ inch	l mm	Δ kg	l inch	Wt. lbs.
1509-AAA	1/4	3/8	25	0.10	1	0.22
1509-AAA	3/8	1/4	39	0.10	1 1/8	0.22
1509-AB	3/8	1/2	35	0.10	1 7/16	0.22
1509-BA	1/2	3/8	40	0.10	1 9/16	0.22
1509-BC	1/2	3/4	49	0.14	1 15/16	0.31
1509-CB	3/4	1/2	55	0.20	2 3/16	0.44
1509-CD	3/4	1	64	0.32	2 9/16	0.71
1509-DC	1	3/4	68	0.44	2 11/16	0.97



1501S Wrench, Ratchet

- Knarre
- Cliquet réversible
- Llave trinquete

No.	a inch	l mm	Δ kg	l inch	Wt. lbs.
1501S-AA	1/4	150	0.16	6	0.35
1501S-AB	3/8	200	0.38	8	0.85
1501S-B	1/2	260	0.60	10 3/8	1.32
1501S-C	3/4	390	2.28	15 9/16	5.03
1501S-D	1	600	3.40	24	7.56

When ordering, specify:

A=Aluminum Bronze

B=Copper Beryllium

Example: 504S-24A

or

504S-24B



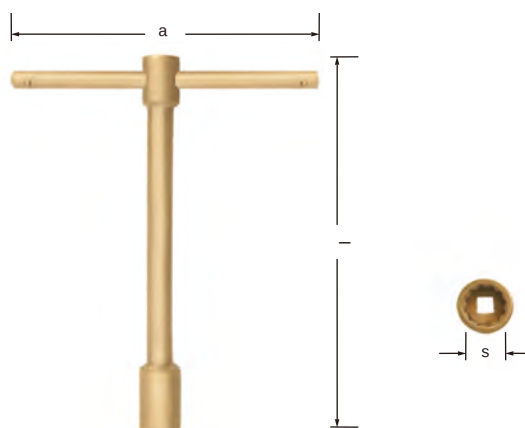
504S Wrench, Ratchet

- Knarreschlüssel
- Clé à cliquet
- Llave trinquete

No.	s mm	l mm	ΔΔ kg
504S-24	24	240	0.50
504S-27	27	270	0.72
504S-30	30	300	0.89
504S-32	32	320	1.00
504S-36	36	330	1.20
504S-41	41	330	1.37

No.	s inch	l inch	Wt. lbs.
504SU-005	15/16	9 ⁹ / ₁₆	1.10
504SU-010	1 ¹ / ₆	10 ³ / ₄	1.59
504SU-015	1 ³ / ₆	12	1.96
504SU-020	1 ¹ / ₄	12 ³ / ₄	2.20
504SU-025	1 ⁷ / ₁₆	13 ³ / ₁₆	2.65
504SU-030	1 ⁵ / ₈	13 ³ / ₁₆	3.02

*OTHER SIZES ON REQUEST



702 Wrench, Socket T-Type, 12-Point

- Dreikantsteckschlüssel
- Clé à douille
- Llave para cubo

No.	s mm	a mm	l mm	ΔΔ kg
702-14	14	200	170	0.58
702-19	19	200	230	0.72
702-22	22	250	260	0.97
702-24	24	250	260	0.95
702-30	30	260	260	1.04
702-32	32	280	280	1.12
702-36	36	280	280	1.71

No.	s inch	a inch	l inch	Wt. lbs.
702U-035	9/16	8	6 ³ / ₄	1.28
702U-055	3/4	8	9 ³ / ₁₆	1.59
702U-070	7/8	10	10 ³ / ₈	2.14
702U-075	15/16	10	10 ³ / ₈	2.09
702U-100	1 ³ / ₁₆	10 ³ / ₈	10 ³ / ₈	2.29
702U-105	1 ¹ / ₄	11 ³ / ₁₆	11 ³ / ₁₆	2.47
702U-120	1 ⁷ / ₁₆	11 ³ / ₁₆	11 ³ / ₁₆	3.77

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 1502-AA
or
1502-AB



1502 Bar, Sliding

- T-Gleitgriff
- Barre coulissante
- Barra deslizante

No.	a inch	l mm	kg	l inch	Wt. lbs.
1502-AA	1/4	150	0.07	6	0.15
1502-A	3/8	180	0.22	7 ^{3/16}	0.49
1502-B	1/2	250	0.37	10	0.82
1502-C	3/4	400	1.31	16	2.89
1502-D	1	400	1.62	16	3.57



209HB Socket, 1/2" Drive, With Hexagon Head

- Steckschlüsseinsatz, 1/2" drive mit Sechskant
- Douille, 1/2" drive avec tête hexagonal
- Cubos, 1/2" drive con cabeza hexagonal

No.	a1 inch	s mm	l1 mm	l2 mm	kg
209HB-5	1/2	5	39	41	0.07
209HB-6	1/2	6	39	41	0.07
209HB-7	1/2	7	39	46	0.07
209HB-8	1/2	8	39	46	0.08
209HB-9	1/2	9	39	46	0.08
209HB-10	1/2	10	39	46	0.08
209HB-11	1/2	11	39	46	0.09
209HB-12	1/2	12	39	46	0.09
209HB-13	1/2	13	39	46	0.09
209HB-14	1/2	14	40	54	0.12
209HB-15	1/2	15	40	54	0.12
209HB-16	1/2	16	40	54	0.14
209HB-17	1/2	17	40	54	0.14

When ordering, specify:

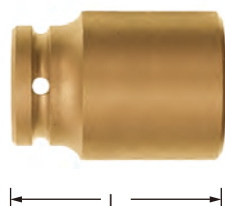
A=Aluminum Bronze

B=Copper Beryllium

Example: 1720-7A

or

1720-7B

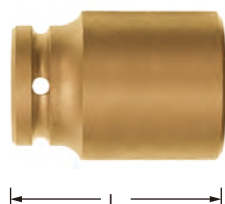


1720 Socket, Impact 3/8" Drive

- Schlagschraubereinsatz, 3/8" drive
- Douilles impact, 3/8" drive
- Cubos impact, 3/8" drive

No.	S mm	L mm	kg
1720-7	7	31	0.05
1720-8	8	31	0.05
1720-9	9	31	0.05
1720-10	10	31	0.05
1720-11	11	31	0.05
1720-12	12	31	0.05
1720-13	13	31	0.07
1720-14	14	31	0.07
1720-15	15	34	0.07
1720-16	16	34	0.08
1720-17	17	34	0.08
1720-18	18	34	0.09
1720-19	19	34	0.09

No.	S inch	L inch	Wt. lbs.
1720U-005	1/4	1 1/4	0.11
1720U-010	5/16	1 1/4	0.11
1720U-015	3/8	1 1/4	0.11
1720U-020	7/16	1 1/4	0.11
1720U-025	1/2	1 1/4	0.15
1720U-030	9/16	1 1/4	0.15
1720U-035	5/8	1 3/8	0.17
1720U-040	11/16	1 3/8	0.18
1720U-045	3/4	1 3/8	0.20



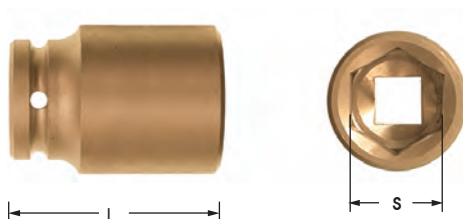
1730 Socket, Impact 1/2" Drive

- Schlagschraubereinsatz, 1/2" drive
- Douilles impact, 1/2" drive
- Cubos impact, 1/2" drive

No.	S mm	L mm	kg
1730-8	8	40	0.11
1730-9	9	40	0.11
1730-10	10	40	0.11
1730-11	11	40	0.11
1730-12	12	40	0.11
1730-13	13	40	0.11
1730-14	14	40	0.11
1730-15	15	40	0.17
1730-16	16	40	0.17
1730-17	17	40	0.17
1730-18	18	40	0.16
1730-19	19	40	0.17
1730-21	21	40	0.18
1730-22	22	40	0.20
1730-24	24	40	0.19
1730-27	27	40	0.21
1730-28	28	40	0.22
1730-29	29	40	0.22
1730-30	30	40	0.24

No.	S inch	L inch	Wt. lbs.
1730U-005	5/16	1 9/16	0.24
1730U-010	3/8	1 9/16	0.24
1730U-015	7/16	1 9/16	0.24
1730U-020	1/2	1 9/16	0.24
1730U-025	9/16	1 9/16	0.24
1730U-030	5/8	1 9/16	0.37
1730U-035	11/16	1 9/16	0.37
1730U-040	3/4	1 9/16	0.37
1730U-045	13/16	1 9/16	0.40
1730U-050	7/8	1 9/16	0.44
1730U-055	15/16	1 9/16	0.44
1730U-060	1	1 9/16	0.44
1730U-065	1 1/16	1 9/16	0.46
1730U-070	1 1/8	1 9/16	0.49
1730U-075	1 3/16	1 9/16	0.53

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 1740-17A
or
1740-17B

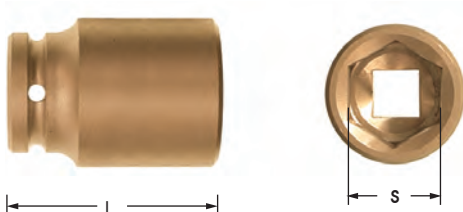


1740 Socket, Impact 3/4" Drive

- Schlagschraubereinsatz, 3/4" drive
- Douilles impact, 3/4" drive
- Cubos impact, 3/4" drive

No.	s mm	l mm	Δ kg
1740-17	17	49	0.47
1740-18	18	49	0.47
1740-19	19	49	0.47
1740-21	21	49	0.47
1740-22	22	49	0.51
1740-23	23	50	0.48
1740-24	24	50	0.47
1740-27	27	50	0.50
1740-28	28	54	0.57
1740-29	29	54	0.60
1740-30	30	56	0.66
1740-32	32	58	0.78
1740-34	34	63	0.96

No.	s inch	l inch	Wt. lbs.
1740U-005	3/4	1 ¹⁵ / ₁₆	1.04
1740U-010	13/1	1 ¹⁵ / ₁₆	1.04
1740U-015	7/8	1 ¹⁵ / ₁₆	1.04
1740U-020	15/16	1 ¹⁵ / ₁₆	1.12
1740U-030	1 ¹ / ₁₆	2	1.06
1740U-035	1 ¹ / ₈	2	1.04
1740U-040	1 ³ / ₁₆	2	1.10
1740U-045	1 ¹ / ₄	2 ¹ / ₈	1.26
1740U-050	1 ³ / ₈	2 ¹ / ₈	1.32
1740U-055	1 ⁷ / ₁₆	2 ¹ / ₄	1.46
1740U-070	1 ⁵ / ₈	2 ⁵ / ₁₆	1.72
1740U-085	1 ¹³ / ₁₆	2 ¹ / ₂	2.12



1750 Socket, Impact 1" Drive

- Schlagschraubereinsatz, 1" drive
- Douilles impact, 1" drive
- Cubos impact, 1" drive

No.	s mm	l mm	Δ kg
1750-22	22	60	0.80
1750-24	24	60	0.81
1750-27	27	60	0.81
1750-30	30	63	0.86
1750-32	32	63	0.86
1750-34	34	63	0.84
1750-36	36	67	0.96
1750-38	38	67	1.01
1750-41	41	70	1.13
1750-42	42	70	1.20
1750-43	43	70	1.26
1750-46	46	70	1.26
1750-50	50	70	1.36
1750-55	55	74	1.58
1750-60	60	78	1.82
1750-65	65	78	1.97
1750-70	70	78	2.10

No.	s inch	l inch	Wt. lbs.
1750U-005	7/8	2 ³ / ₈	1.76
1750U-010	15/16	2 ³ / ₈	7.79
1750U-015	1 ¹ / ₁₆	2 ³ / ₈	1.79
1750U-020	1 ³ / ₁₆	2 ¹ / ₂	1.90
1750U-025	1 ¹ / ₄	2 ¹ / ₂	1.90
1750U-030	1 ³ / ₈	2 ¹ / ₂	1.85
1750U-035	1 ⁷ / ₁₆	2 ¹¹ / ₁₆	2.12
1750U-040	1 ¹ / ₂	2 ¹¹ / ₁₆	2.23
1750U-045	1 ⁵ / ₈	2 ³ / ₄	2.49
1750U-050	1 ¹¹ / ₁₆	2 ³ / ₄	2.78
1750U-055	1 ¹³ / ₁₆	2 ³ / ₄	2.78
1750U-060	2	2 ³ / ₄	3.00
1750U-065	2 ³ / ₁₆	2 ¹⁵ / ₁₆	3.48
1750U-070	2 ³ / ₈	3 ¹ / ₈	4.01
1750U-075	2 ⁹ / ₁₆	3 ¹ / ₈	4.34
1750U-080	2 ³ / ₄	3 ¹ / ₈	4.63
1750U-085	2 ⁷ / ₈	3 ¹ / ₈	4.63

When ordering, specify:

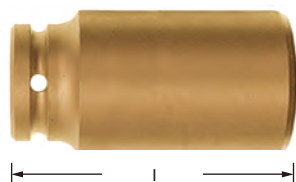
A=Aluminum Bronze

B=Copper Beryllium

Example: 1760-36A

or

1760-36B

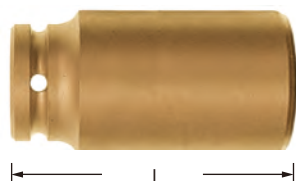


1760 Socket, Impact 1-1/2" Drive

- Schlagschraubereinsatz, 1-1/2" drive
- Douilles impact, 1-1/2" drive
- Cubos impact, 1-1/2" drive

No.	S mm	L mm	Δ kg
1760-36	36	78	2.65
1760-41	41	80	2.72
1760-46	46	64	2.84
1760-50	50	87	2.90
1760-55	55	90	2.95
1760-60	60	95	3.04
1760-65	65	100	3.97
1760-70	70	105	4.33
1760-75	75	110	4.73
1760-80	80	115	5.55
1760-85	85	120	6.35
1760-90	90	125	7.42
1760-95	95	127	8.14
1760-100	100	130	9.10
1760-105	105	130	9.91

No.	S inch	L inch	Wt. lbs.
1760U-005	2 ^{7/16}	3 ^{1/8}	5.84
1760U-010	2 ^{5/8}	3 ^{3/16}	6.00
1760U-015	2 ^{13/16}	3 ^{3/8}	6.26
1760U-020	2	3 ^{7/16}	6.40
1760U-025	2 ^{3/16}	3 ^{9/16}	6.51
1760U-030	2 ^{3/8}	3 ^{3/4}	6.71
1760U-035	2 ^{9/16}	4	8.34
1760U-040	2 ^{3/4}	4 ^{3/16}	9.53
1760U-045	2 ^{15/16}	4 ^{5/16}	10.43
1760U-050	3 ^{1/8}	4 ^{17/32}	12.25
1760U-055	3 ^{3/8}	4 ^{3/4}	14.03
1760U-060	3 ^{1/2}	4 ^{15/16}	16.37
1760U-065	3 ^{3/4}	5	17.96
1760U-070	3 ^{15/16}	5 ^{1/8}	20.15
1760U-075	4 ^{1/8}	5 ^{1/8}	21.87



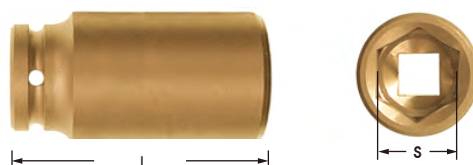
1820 Socket, Impact, Deep, 3/8" Drive

- Schlagschraubereinsatz, 3/8" drive, lang
- Douilles impact, 3/8" drive, longues
- Cubos impact, 3/8" drive, largo

No.	S mm	L mm	Δ kg
1820-7	7	60	0.10
1820-8	8	60	0.10
1820-9	9	65	0.10
1820-10	10	65	0.10
1820-11	11	65	0.10
1820-12	12	65	0.09
1820-13	13	65	0.13
1820-14	14	65	0.13
1820-15	15	70	0.14
1820-16	16	70	0.15
1820-17	17	70	0.16
1820-18	18	70	0.17
1820-19	19	70	0.18

No.	S inch	L inch	Wt. lbs.
1820U-005	1/4	2	0.22
1820U-010	5/16	2	0.22
1820U-015	3/8	3	0.22
1820U-020	7/16	3	0.22
1820U-025	1/2	3	0.26
1820U-030	9/16	3	0.29
1820U-035	5/8	3	0.33
1820U-040	11/16	3	0.35
1820U-045	3/4	3	0.42

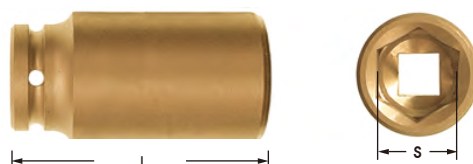
When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 1830-6A
or
1830-6B



1830 Socket, Impact, Deep, 1/2" Drive

- Schlagschraubereinsatz, 1/2" drive, lang
- Douilles impact, 1/2" drive, longues
- Cubos impact, 1/2" drive, largo

No.	s mm	l mm	Wt. kg	No.	s inch	l inch	Wt. lbs.
1830-6	6	85	0.22	1830U-005	1/4	3	0.49
1830-7	7	85	0.22	1830U-010	5/16	3	0.49
1830-8	8	85	0.22	1830U-015	3/8	3	0.49
1830-9	9	85	0.22	1830U-020	7/16	3	0.49
1830-10	10	85	0.22	1830U-025	1/2	3	0.49
1830-11	11	85	0.22	1830U-030	9/16	3	0.75
1830-12	12	85	0.22	1830U-032	19/32	3	0.75
1830-13	13	85	0.22	1830U-035	5/8	3	0.75
1830-14	14	85	0.22	1830U-040	11/16	3	0.75
1830-15	15	85	0.34	1830U-045	3/4	3	0.75
1830-16	16	85	0.34	1830U-047	25/32	3	0.75
1830-17	17	85	0.34	1830U-050	13/16	3	0.88
1830-18	18	85	0.32	1830U-055	7/8	3	0.84
1830-19	19	85	0.34	1830U-060	15/16	3	0.84
1830-20	20	85	0.34	1830U-065	1	3	0.93
1830-21	21	85	0.36	1830U-070	1 ^{1/16}	3	0.97
1830-22	22	85	0.40	1830U-075	1 ^{1/8}	3	1.06
1830-23	23	85	0.40	1830U-080	1 ^{3/16}	3	1.06
1830-24	24	85	0.38	1830U-085	1 ^{1/4}	3	1.06
1830-25	25	85	0.38	1830U-090	1 ^{5/16}	3	1.06
1830-26	26	85	0.42	1830U-095	1 ^{3/8}	3	1.06
1830-27	27	85	0.42				
1830-28	28	85	0.44				
1830-29	29	85	0.44				
1830-30	30	85	0.48				
1830-32	32	85	0.48				



1840 Socket, Impact, Deep, 3/4" Drive

- Schlagschraubereinsatz, 3/4" drive, lang
- Douilles impact, 3/4" drive, longues
- Cubos impact, 3/4" drive, largo

No.	s mm	l mm	Wt. kg	No.	s inch	l inch	Wt. lbs.
1840-19	19	90	0.94	1840U-005	3/4	4	2.06
1840-22	22	90	1.02	1840U-010	13/16	4	2.06
1840-24	24	90	0.94	1840U-015	7/8	4	2.25
1840-27	27	90	1.10	1840U-020	15/16	4	2.25
1840-30	30	90	1.32	1840U-025	1	4	2.06
1840-32	32	90	1.56	1840U-030	1 ^{1/16}	4	2.43
1840-34	34	90	1.92	1840U-035	1 ^{1/8}	4	2.43
1840-36	36	100	0.40	1840U-040	1 ^{3/16}	4	3.44
1840-41	41	100	0.45	1840U-045	1 ^{1/4}	4	2.91
1840-46	46	100	0.60	1840U-050	1 ^{3/8}	4	4.24
1840-50	50	100	0.70	1840U-055	1 ^{7/16}	4	4.24
1840-55	55	100	0.85	1840U-060	1 ^{1/2}	4	0.88
1840-60	60	100	1.30	1840U-065	1 ^{9/16}	4	0.99
				1840U-070	1 ^{5/8}	4	0.99
				1840U-075	1 ^{11/16}	4	0.99
				1840U-080	1 ^{3/4}	4	1.32
				1840U-085	1 ^{13/16}	4	1.32
				1840U-090	1 ^{7/8}	4	1.32
				1840U-095	1 ^{15/16}	4	1.55
				1840U-100	2	4	1.55

When ordering, specify:

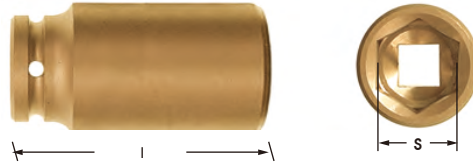
A=Aluminum Bronze

B=Copper Beryllium

Example: 1850-22A

or

1850-22B

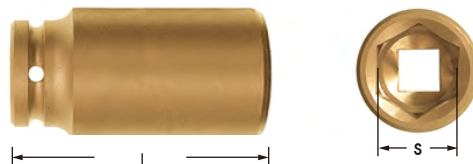


1850 Socket, Impact, Deep, 1" Drive

- Schlagschraubereinsatz, 1" drive, lang
- Douilles impact, 1" drive, longues
- Cubos impact, 1" drive, largo

No.	s mm	l mm	Δ kg
1850-22	22	150	1.60
1850-24	24	150	1.62
1850-27	27	150	1.62
1850-30	30	150	1.72
1850-32	32	150	1.72
1850-34	34	150	1.68
1850-36	36	150	1.92
1850-38	38	150	2.02
1850-41	41	150	2.26
1850-42	42	150	2.40
1850-43	43	150	2.52
1850-46	46	150	2.52
1850-50	50	150	2.72
1850-55	55	150	3.16
1850-60	60	150	3.64
1850-65	65	150	3.94
1850-70	70	150	4.20

No.	s inch	l inch	Wt. lbs.
1850U-005	7/8	6	3.53
1850U-010	15/16	6	3.53
1850U-015	1 1/16	6	3.52
1850U-020	1 3/16	6	3.80
1850U-025	1 1/4	6	3.80
1850U-030	1 3/8	6	3.71
1850U-035	1 7/16	6	4.24
1850U-040	1 1/2	6	4.46
1850U-045	1 5/8	6	5.00
1850U-050	1 11/16	6	5.56
1850U-055	1 13/16	6	5.56
1850U-060	2	6	6.00
1850U-065	2 3/16	6	6.98
1850U-070	2 3/8	6	8.04
1850U-075	2 9/16	6	8.70
1850U-080	2 3/4	6	9.27



1860 Socket, Impact, Deep, 1-1/2" Drive

- Schlagschraubereinsatz, 1-1/2" drive, lang
- Douilles impact, 1-1/2" drive, longues
- Cubos impact, 1-1/2" drive, largo

No.	s mm	l mm	Δ kg	No.	s inch	l inch	Wt. lbs.
1860-36	36	85	5.30	1860U-005	1 7/16	3	11.70
1860-41	41	85	5.44	1860U-010	1 5/8	3	12.00
1860-46	46	85	5.68	1860U-015	1 15/16	3	12.80
1860-50	50	85	5.80	1860U-020	2	3	12.80
1860-55	55	85	5.90	1860U-025	2 3/16	3	13.02
1860-60	60	85	6.08	1860U-030	2 3/8	3	13.42
1860-65	65	85	7.58	1860U-035	2 9/16	3	16.74
1860-70	70	85	8.66	1860U-040	2 3/4	3	19.12

When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 1514B-8A
or
1514B-8B

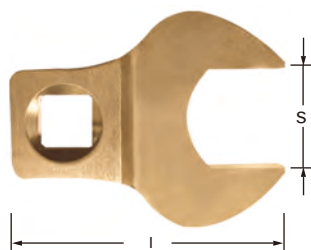


1401 Wrench, Torque

Copper Beryllium (CuBe) only

- Drehmomentschraubenschlüssel
- Clé dynamométrique
- Llave dinamométrica

No.	Drive inch	Torque N.m	l mm	ΔΔ kg	l inch	Wt. lbs.
1401A-545B	3/8	5-45	415	1.56	16 ⁵ / ₁₆	3.44
1401B-30150B	1/2	30-150	463	2.21	8 ¹ / ₄	4.87



1514B Wrench, Crowfoot 1/2" Drive

- Maulschlüssel für Drehmomentschlüssel
- Clé à fourche pour clé dynamométrique
- Llave de boca por llave de torsion

No.	s mm	l mm	ΔΔ kg	No.	s inch	l inch	Wt. lbs.
1514B-8	8	40	0.02	1514BU-005	1/4	1 ⁹ / ₁₆	0.04
1514B-10	10	43	0.02	1514BU-010	5/16	1 ¹¹ / ₁₆	0.04
1514B-11	11	43	0.02	1514BU-015	3/8	1 ¹¹ / ₁₆	0.04
1514B-12	12	47	0.04	1514BU-020	7/16	1 ⁷ / ₈	0.08
1514B-13	13	47	0.04	1514BU-025	1/2	1 ⁷ / ₈	0.08
1514B-14	14	50	0.08	1514BU-030	9/16	2	0.17
1514B-15	15	50	0.08	1514BU-035	5/8	2	0.17
1514B-16	16	56	0.10	1514BU-040	11/16	2 ⁶ / ₁₃	0.22
1514B-17	17	56	0.10	1514BU-045	3/4	2 ⁶ / ₁₃	0.22
1514B-18	18	56	0.10	1514BU-047	25/32	2 ⁶ / ₁₃	0.22
1514B-19	19	60	0.10	1514BU-050	13/16	2 ³ / ₈	0.22
1514B-21	21	60	0.10	1514BU-055	7/8	2 ³ / ₈	0.22
1514B-22	22	64	0.12	1514BU-060	15/16	2 ¹ / ₂	0.26
1514B-24	24	67	0.15	1514BU-065	1	2 ⁵ / ₈	0.33
1514B-27	27	71	0.20	1514BU-070	1 ¹ / ₁₆	2 ¹³ / ₁₆	0.44
1514B-30	30	84	0.33	1514BU-075	1 ¹ / ₈	2 ¹³ / ₁₆	0.73
1514B-32	32	84	0.33	1514BU-080	1 ³ / ₁₆	3 ⁵ / ₁₆	0.73
				1514BU-085	1 ¹ / ₄	3 ⁵ / ₁₆	0.73
				1514BU-090	1 ⁵ / ₁₆	3 ⁵ / ₁₆	0.73
				1514BU-095	1 ³ / ₈	3 ⁵ / ₁₆	0.73
				1514BU-100	1 ⁷ / ₁₆	3 ⁵ / ₁₆	0.73
				1514BU-110	1 ¹ / ₂	3 ⁵ / ₁₆	0.73

When ordering, specify:

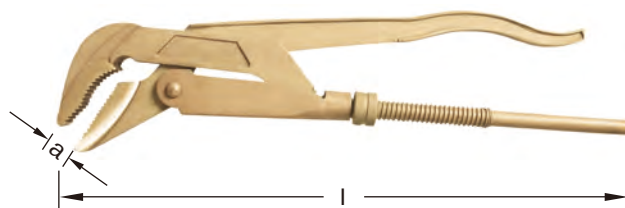
A=Aluminum Bronze

B=Copper Beryllium

Example: 505U-005A

or

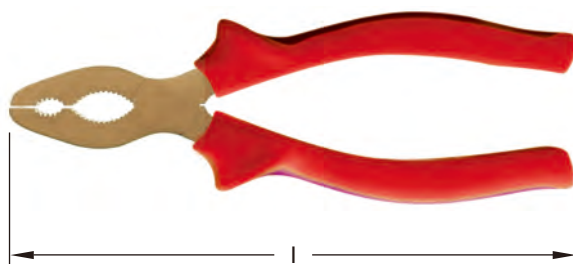
505U-005B



505U
Pliers, Swedish (DIN 5234)

- Eckrohrzange
- Clé serre-tube, type suédois
- Pinza sueca

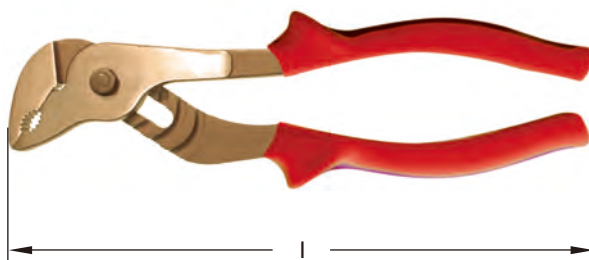
No.	a max mm	l mm	ΔΔ kg	a max inch	l inch	Wt. lbs.
505U-005	40	300	0.69	1 ⁹ / ₁₆	12	1.52
505U-010	55	420	1.49	2 ³ / ₁₆	16 ³ / ₄	3.28
505U-015	67	530	3.24	2 ¹¹ / ₁₆	21 ³ / ₁₆	7.14



602
Pliers, Pipe

- Gasbrennerzange
- Pince à gaz
- Alicata para tubo gas

No.	l mm	ΔΔ kg	l inch	Wt. lbs.
602-8	200	0.45	8	0.99

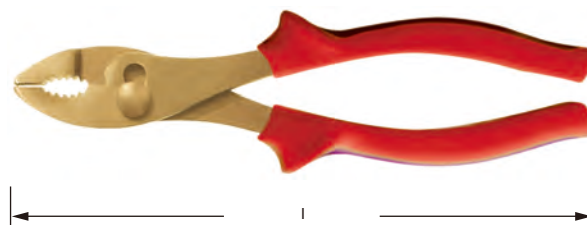


604
Pliers, Groove Joint

- Wasserpumpenzange
- Pince multiprise
- Pinza junta estrilla

No.	a max mm	l mm	ΔΔ kg	a max inch	l inch	Wt. lbs.
604-10	28	250	0.34	1 ¹ / ₈	10	0.75
604-12	48	300	0.55	1 ⁷ / ₈	12	1.21
604-14	55	350	1.18	2 ³ / ₁₆	14	2.60
604-16	80	430	1.66	3 ³ / ₁₆	17 ³ / ₁₆	3.66

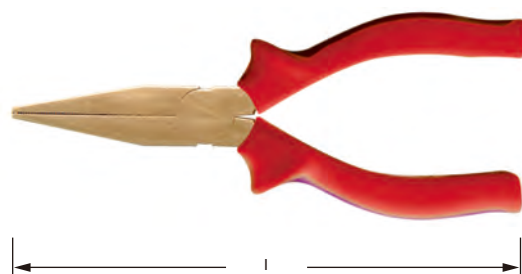
When ordering, specify:
A=Aluminum Bronze
B=Copper Beryllium
Example: 605-8A
or
605-8B



605 Pliers, Adjustable Combination

- Verstellbare Kombinationszange
- Pince combinée
- Alicata ajustable

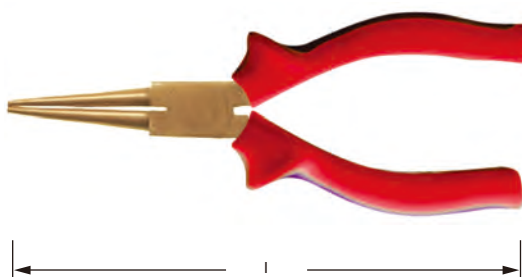
No.	mm	kg	inch	Wt. lbs.
605-8	200	0.21	8	0.46



606 Pliers, Flat Nose (DIN ISO 5745)

- Flachzange
- Pince plate
- Alicata de punta aplanada

No.	mm	kg	inch	Wt. lbs.
606-6	150	0.17	6	0.37



607 Pliers, Round Nose (DIN ISO 5745)

- Rundzange
- Pince becs ronds
- Alicata, bocas redondas

No.	mm	kg	inch	Wt. lbs.
607-6	150	0.14	6	0.31

When ordering, specify:

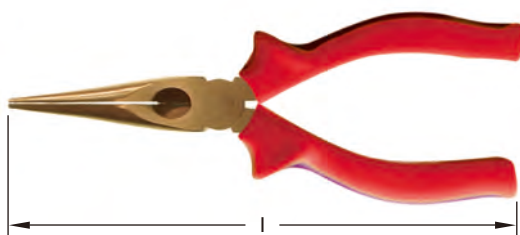
A=Aluminum Bronze

B=Copper Beryllium

Example: 611-6A

or

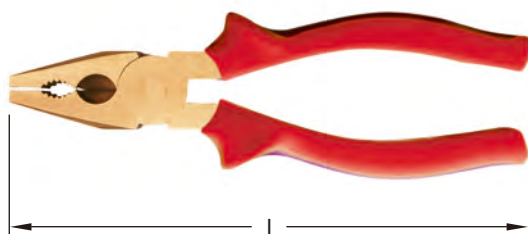
611-6B



611
Pliers, Long- Nose W/ Side Cutter
(DIN ISO 5745)

- Telefonzange
- Pince demi-ronde, long bec
- Alicate de punta larga con cortador

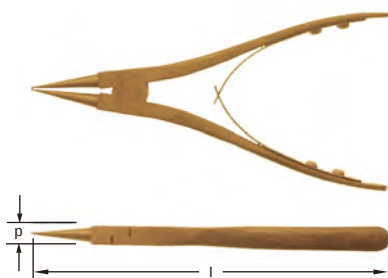
No.	l mm	Δ kg	l inch	Wt. lbs.
611-6	150	0.16	6	0.35
611-7	180	0.21	7 ³ / ₁₆	0.46



612
Pliers, Lineman's, Side Cutting

- Kombinationszange
- Pince universelle
- Alicate universal

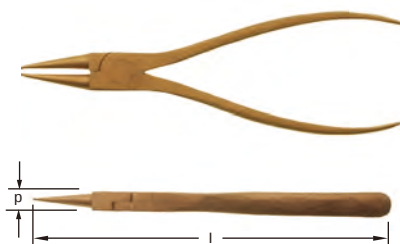
No.	l mm	Δ kg	l inch	Wt. lbs.
612-6	160	0.25	6 ³ / ₈	0.55
612-7	180	0.26	7 ³ / ₁₆	0.57
612-8	200	0.46	8	1.01



614
Pliers, Snap Ring, Outside
Copper Beryllium (CuBe) only

- Sicherungszange (aussen)
- Pinza abre anillos exteriores
- Pince pour circlips extérieurs

No.	Ring dia mm	p mm	l mm	Δ kg
614-310B	3-10	7	140	0.09
614-1025B	10-25	7	140	0.09
614-1960B	19-60	9	180	0.13
614-40100B	40-100	11	225	0.25
614-85165B	85-165	14	305	0.62
614-125300B	125-300	17	500	1.23



615

Pliers, Snap Ring, Inside

Copper Beryllium (CuBe) only

- Sicherungszange (Innen)
- Pinza abre anillos interiores
- Pince pour circlips intérieurs

No.	Ring dia mm	p mm	l mm	Δ kg
615-825B	8-25	7	140	0.07
615-1960B	19-60	9	180	0.14
615-40100B	40-100	11	220	0.25
615-85165B	85-165	15	270	0.47
615-125300B	125-300	17	500	1.12



209

Allen/ Hex Key

Screwdriver Handle

Copper Beryllium (CuBe) only

- Sätze Sechskant-Winkelschraubendreher
- Set de clés mâles pour vis creuses
- Juego de llaves allen hexagonales



209L

Allen/ Hex Key

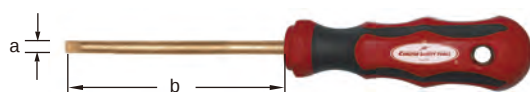
Ball Point, Screwdriver Handle

Copper Beryllium (CuBe) only

- Sätze Sechskant-Winkelschraubendreher
- Set de clés mâles pour vis creuses
- Juego de llaves allen hexagonales

No.	s mm
209-1.5B	1.5
209-2B	2
209-3B	3
209-4B	4
209-5B	5
209-6B	6
209-7B	7
209-8B	8
209-9B	9
209-10B	10

No.	s mm
209L-1.5B	1.5
209L-2B	2
209L-3B	3
209L-4B	4
209L-5B	5
209L-6B	6
209L-7B	7
209L-8B	8
209L-9B	9
209L-10B	10



801

Screwdriver, Standard

Copper Beryllium (CuBe) only

- Schlitz-Schraubendreher
- Tournevis, lame cylindrique
- Destornillador, hoja cilíndrica



803

Screwdriver, Phillips

Copper Beryllium (CuBe) only

- Kreuzschlitz-Schraubendreher
- Tournevis Phillips
- Destornillador estrella

No.	a mm	b mm	Δ kg
801-3-50B	3	50	0.01
801-4-100B	4	100	0.02
801-5-125B	5	125	0.03
801-6-100B	6	100	0.04
801-6-150B	6	150	0.05
801-8-150B	8	150	0.09
801-8-200B	8	200	0.11
801-10-200B	10	200	0.17
801-10-300B	10	300	0.25
801-12-250B	12	250	0.29
801-14-250B	14	250	0.39

No.	PH No.	b mm	Δ kg	b inch	Wt. lbs.
803-0B	0	60	0.015	2 ³ / ₈	0.02
803-1B	1	80	0.022	3 ³ / ₁₆	0.05
803-2B	2	100	0.036	4	0.08
803-3B	3	150	0.085	6	0.19
803-4B	4	200	0.170	8	0.37

801S Screwdriver

Striking
Copper Beryllium (CuBe) only

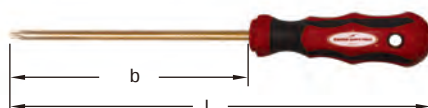


- Schraubendreher
- Tournevis
- Destornillador

No.	a mm	b mm	Δ kg	a inch	b inch	Wt. lbs.
801S-8150B	8	150	0.23	5/16	6	0.51

804 Screwdriver, Torx Type

Copper Beryllium (CuBe) only



- Torx Schraubendreher
- Torx Tournevis
- Torx destornillador

No.	TX NO.	b mm	l mm	Δ kg	No.	TX NO.	b mm	l mm	Δ kg
804T-05B	5	60	150	0.04	804T-25B	25	100	200	0.08
804T-06B	6	60	150	0.04	804T-27B	27	115	225	0.12
804T-07B	7	60	150	0.04	804T-30B	30	115	225	0.12
804T-08B	8	60	150	0.04	804T-40B	40	130	250	0.19
804T-09B	9	60	150	0.04	804T-45B	45	130	250	0.20
804T-10B	10	80	170	0.05	804T-50B	50	150	270	0.25
804T-15B	15	80	180	0.07	804T-55B	55	150	270	0.26
804T-20B	20	100	200	0.08	804T-60B	60	150	270	0.33

209SKit-7 Allen/ Hex Key

Screwdriver Handle
Copper Beryllium (CuBe) only



- Sätze Sechskant-Winkelschraubendreher
- Set de clés mâles pour vis creuses
- Juego de llaves allen hexagonales

No.	S mm
209SKit-7B	2, 3, 4, 5, 6, 8, 10

*PLASTIC CASE INCLUDED

209LSKit-7 Allen/ Hex Key

Ball Point, Screwdriver Handle
Copper Beryllium (CuBe) only



- Sätze Sechskant-Winkelschraubendreher
- Set de clés mâles pour vis creuses
- Juego de llaves allen hexagonales

No.	S mm
209LSKit-7B	2, 3, 4, 5, 6, 8, 10

*PLASTIC CASE INCLUDED



804Kit-5

Screwdriver, Torx Kit

Copper Beryllium (CuBe) only

- Sätze Torx Schraubendreher
- Jeu de tournevis Torx
- Juego de destornilladores torx

No.	H No.
804Kit-5B	T10, T15, T20, T25, T30

*PLASTIC CASE INCLUDED



801Kit-6

Screwdriver Kit

Copper Beryllium (CuBe) only

- Sätze Schraubendreher
- Jeu de tournevis
- Juego de destornilladores

No.	PH No.	Dimensions	Quantity
801-6100B		6x100	1
801-8150B		8x150	1
801-10200B		10x200	1
803-1B	1	No.1	1
803-2B	2	No.2	1
803-3B	3	No.3	1

*PLASTIC CASE INCLUDED



802

Screwdriver, Offset

Copper Beryllium (CuBe) only

- Winkelschraubendreher
- Tournevis coudé
- Destornillador acodado

No.	a mm	b mm	Δ kg	No.	s inch	l inch	Wt. lbs.
802-3	3	100	0.01	802U-010B	1/8	4	0.02
802-4	4	110	0.02	802U-020B	1/4	5 ^{9/16}	0.11
802-6	6	140	0.05	802U-030B	3/8	7 ^{3/16}	0.42
802-8	8	160	0.10	802U-040B	9/16	10	1.10
802-10	10	180	0.20				
802-12	12	200	0.30				
802-14	14	250	0.50				