

K15



SPANNERS



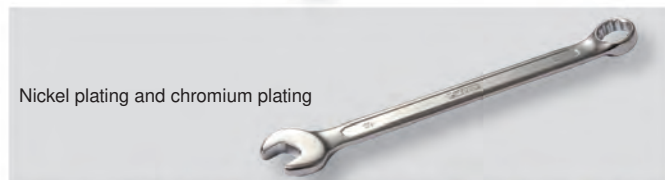
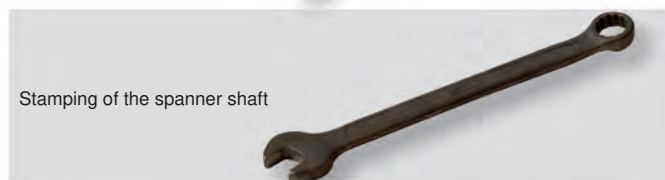
KS TOOLS

*Innovation is
our mission!*

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SPANNERS

Manufacturing and fabrication steps



Surfaces

Phosphate



- Phosphating = chemical / electro chemical process
- Dip coating or injection method
- Intention is the generation of phosphate layer, which is immovable on the base metal
- The surface receives a very good absorption capacity for oil and wax.
- Reliable corrosion protection
- Phosphated tools require regular oiling

Matt chrome



- Chrome layer is manufactured by electroplating in a electrolytic bath process
- Several steps e.g. degrease / nickel plating and chrome plating
- Matt = matt nickel layer shines through chrome layer - Resulting in matt finish
- Ideal corrosion and wear and tear protection

Chrome plated and mirror polished



- Chrome layer is manufactured by electroplating in an electrolytic bath process
- Several steps e.g. degrease / nickel plating and chrome plating
- Mirror polished = shining nickel layer - Resulting in a mirror polished finish
- Ideal corrosion and wear and tear protection

Very fine matt satin chrome



- Chrome layer is manufactured by electroplating in an electrolytic bath process
- Several steps e.g. degrease / nickel plating and chrome plating
- Ideal corrosion and wear and tear protection

Spanner-Profile

CLASSIC

- Matt chrome
- Chrome vanadium steel
- High corrosion and wear protection
- FlankTraction 12-point profile

CHROME^{plus}

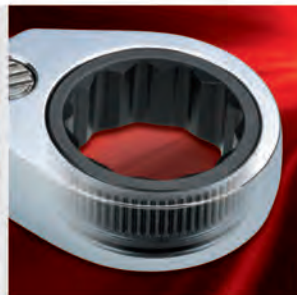
- Chrome plated and mirror polished
- Chrome vanadium steel
- High corrosion and wear protection
- FlankTraction 12-point profile

ULTIMATE^{PLUS}

- Matt satin chrome
- Chrome vanadium steel
- High corrosion and wear protection
- FlankTraction 12-point profile

GEAR^{plus}

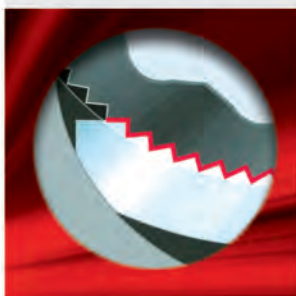
- Matt satin chrome
- With fine toothed ratchet ring technique
- Chrome vanadium steel
- High corrosion and wear protection
- FlankTraction 12-point profile



The GEARplus® ratchet ring spanner offers all the advantages of a ratchet and much more ...

Design of the ultra slim ring side allows working in the narrowest areas, even where, conventional ratchets and sockets cannot be used.

With a speed not normally possible the spanner allows difficult couplings to be loosened and tightened.



Profile

FlankTraction 12 point



- Perfect grip even on screws and nuts which are not true to size or damaged
- Larger contact area for better pressure distribution
- Avoids damage of head of screws
- Perfect torque transfer to the flanks of nuts and bolts

E-TX

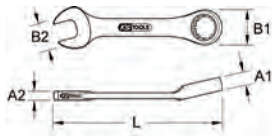


- Common profile from automotive industry
- No cam distortion
- Perfect torque transfer

MINI COMBINATION SPANNERS

CHROMEplus® combination spanner, stubby

- FlankTraction profile (12 point)
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



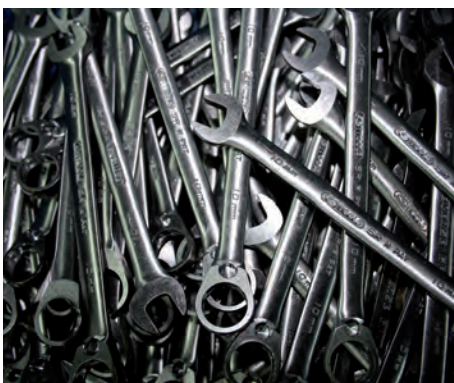
	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0010	10	7.5	5.8	16.1	22.2	95.0	37
518.0011	11	7.8	6.1	17.9	23.9	100.0	45
518.0012	12	7.8	6.6	19.1	25.5	104.0	51
518.0013	13	9.1	7.0	19.9	27.1	109.0	54
518.0014	14	9.4	7.6	21.8	29.2	114.0	71
518.0015	15	9.6	7.8	22.5	30.1	120.0	76
518.0016	16	9.8	7.9	24.1	32.8	124.0	88
518.0017	17	10.8	8.7	26.1	35.8	130.0	115
518.0018	18	11.0	9.1	27.0	36.7	134.0	118
518.0019	19	11.9	9.9	28.6	38.1	140.0	148

CHROMEplus® combination spanner set, stubby

- FlankTraction profile (12 point)
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



	mm	kg
518.0040	7 pcs 10 - 11 - 12 - 13 - 14 - 17 - 19 mm	600



GEARplus® combination ratcheting spanner, stubby

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4631	8	6.5	4.0	16.6	16.7	90.0	30
503.4632	9	6.9	4.4	18.4	18.8	93.0	40
503.4633	10	7.3	4.8	20.0	20.8	95.0	45
503.4634	11	7.7	5.2	21.8	23.0	103.0	50
503.4635	12	8.2	5.5	22.7	25.0	106.0	55
503.4636	13	8.6	5.8	24.7	27.1	108.0	60
503.4637	14	9.0	6.2	27.0	29.2	115.0	70
503.4638	15	9.4	6.5	28.3	31.3	119.0	90
503.4639	16	9.9	6.8	30.0	33.4	123.0	100
503.4640	17	10.3	7.2	31.8	35.5	127.0	110
503.4641	18	10.7	7.7	32.6	37.6	131.0	120
503.4642	19	11.2	8.2	33.8	39.7	139.0	150



GEARplus® combination ratcheting spanner set, stubby

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



	mm	kg
503.4652	12 pcs GEARplus® combination ratcheting spanner set, stubby	1.08
12 x	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® combination ratcheting spanner set, stubby

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- Square drive adaptor to DIN 3120
- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



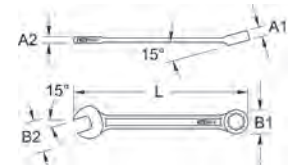
1/4" 3/8" 1/2"

	mm	kg
503.4653	16 pcs GEARplus® combination ratcheting spanner set, stubby	1.35
12 x	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x	1/4"	
3 x	1/4" - 3/8" - 1/2"	

COMBINATION SPANNERS

CLASSIC combination spanners, offset

- FlankTraction Profile
- DIN 3113 Form A / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 15° offset
- Polished heads
- Matt finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
517.0606	6	4.7	4.0	10.1	15.5	100.0	10
517.0607	7	5.0	4.0	11.5	17.0	110.0	15
517.0608	8	5.5	4.5	12.8	19.2	120.0	20
517.0609	9	5.9	4.5	14.2	21.2	130.0	30
517.0610	10	6.5	5.0	15.6	23.2	140.0	40
517.0611	11	6.9	5.4	16.9	25.3	150.0	50
517.0612	12	7.3	5.5	18.3	27.2	160.0	60
517.0613	13	7.8	5.9	19.7	29.4	170.0	70
517.0614	14	8.3	6.2	21.2	31.5	180.0	80
517.0615	15	8.6	6.4	22.5	33.2	190.0	90
517.0616	16	8.9	6.7	24.0	34.7	200.0	100
517.0617	17	9.3	6.9	25.3	36.5	210.0	130
517.0618	18	9.9	7.2	26.8	38.7	220.0	140
517.0619	19	10.5	7.4	28.1	40.7	230.0	170

	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
517.0620	20	10.9	7.7	29.7	43.1	240.0	190
517.0621	21	11.3	8.0	31.3	44.5	250.0	210
517.0622	22	11.5	8.2	32.6	46.9	260.0	230
517.0623	23	13.5	7.6	33.0	49.5	270.0	245
517.0624	24	14.0	8.0	35.5	50.4	280.0	270
517.0625	25	14.5	8.2	36.0	54.5	290.0	340
517.0626	26	15.0	8.5	37.0	56.5	300.0	350
517.0627	27	15.5	8.8	39.6	59.5	310.0	420
517.0628	28	16.0	9.0	40.0	60.0	320.0	440
517.0629	29	16.5	9.5	41.5	61.5	330.0	470
517.0630	30	17.0	10.1	43.7	61.8	340.0	500
517.0632	32	18.0	10.4	46.4	65.8	360.0	530
517.0634	34	20.0	10.0	49.7	66.0	420.0	735
517.0636	36	19.5	11.0	51.5	77.0	380.0	690
517.0638	38	21.5	13.0	56.0	76.0	450.0	1000
517.0641	41	22.0	11.0	58.5	87.0	440.0	750
517.0646	46	25.0	15.2	71.5	93.0	506.0	1635
517.0650	50	26.4	16.4	75.6	102.0	540.0	2100
517.1901	1/4"	5.0	3.9	9.8	15.7	100.0	15
517.1902	5/16"	5.9	4.4	12.7	19.0	120.0	25
517.1903	3/8"	6.4	4.5	14.1	20.9	130.0	30
517.1904	7/16"	7.4	5.2	16.9	25.4	150.0	45
517.1951	1/2"	8.4	5.8	19.7	29.3	170.0	70
517.1906	9/16"	8.9	6.1	21.1	31.2	180.0	75
517.1907	5/8"	9.8	6.6	24.0	34.5	200.0	95
517.1908	11/16"	10.3	6.9	25.4	37.3	210.0	120
517.1909	3/4"	11.1	7.3	28.2	40.4	230.0	155
517.1911	25/32"	11.4	7.5	29.6	42.3	240.0	185
517.1912	13/16"	11.7	7.7	31.0	44.2	250.0	190
517.1913	7/8"	12.0	7.9	32.3	46.6	260.0	220
517.1914	15/16"	12.7	8.3	35.1	50.1	280.0	280
517.1952	1"	13.0	8.5	36.5	52.8	290.0	300
517.1916	1.1/16"	13.6	8.9	39.2	55.9	310.0	375
517.1917	1.1/8"	13.9	9.1	40.6	57.8	320.0	390
517.1918	1.3/16"	14.6	9.5	43.4	62.6	340.0	470
517.1919	1.1/4"	15.2	9.9	46.6	66.9	360.0	555
517.1921	1.5/16"	15.2	10.0	46.0	66.0	340.0	500
517.1922	1.3/8"	18.4	13.0	52.0	74.0	390.0	780
517.1923	1.7/16"	19.0	13.0	52.1	75.0	390.0	780
517.1924	1.1/2"	19.0	13.0	55.5	75.0	390.0	730



CLASSIC Combination spanners set, offset

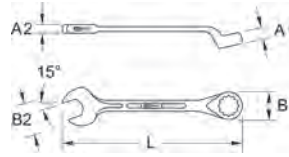
- FlankTraction profile (12 point)
- DIN 3113 Form A / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 15° offset
- Polished heads
- Matt finish
- Chrome vanadium



	mm	kg
517.0045	5 pcs 8 - 10 - 13 - 17 - 19 mm	0.54
517.0048	8 pcs 8 - 9 - 10 - 11 - 13 - 14 - 17 - 19 mm	0.55
517.0080	10 pcs 8 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 mm	0.82
517.0052	12 pcs 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	0.88
517.0085	12 pcs 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm	2.28
517.0043	21 pcs 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm	3.80

CLASSIC combination spanners, offset

- FlankTraction profile (12 point)
- DIN 3113 Form B / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 70° offset
- Ring head 10° angled
- Matt finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
517.1606	6	5.5	3.7	11.0	15.5	110.0	0.02
517.1607	7	6.0	3.7	12.5	17.5	120.0	0.02
517.1608	8	6.5	4.3	13.8	20.0	130.0	0.03
517.1609	9	7.0	4.3	15.0	21.5	140.0	0.04
517.1610	10	7.5	4.7	16.5	23.5	150.0	0.04
517.1611	11	8.0	5.1	18.0	25.0	158.0	0.05
517.1612	12	8.5	5.3	19.6	27.0	165.0	0.07
517.1613	13	7.0	5.5	21.2	29.5	175.0	0.08
517.1614	14	9.5	5.7	23.0	31.5	185.0	0.09
517.1615	15	10.0	6.1	24.4	33.5	195.0	0.10
517.1616	16	10.5	6.5	26.0	35.5	210.0	0.12
517.1617	17	11.0	6.9	27.6	37.0	225.0	0.14
517.1618	18	11.5	7.3	28.8	40.0	240.0	0.16
517.1619	19	12.0	7.7	30.5	42.5	255.0	0.18
517.1620	20	12.5	8.1	31.5	44.0	270.0	0.20
517.1621	21	13.0	8.5	33.0	45.5	285.0	0.24
517.1622	22	13.5	8.9	34.5	47.5	300.0	0.28
517.1623	23	14.5	9.5	37.0	52.0	320.0	0.38
517.1624	24	14.5	9.5	37.0	52.0	320.0	0.38
517.1625	25	15.5	10.3	39.0	54.5	350.0	0.44
517.1626	26	15.5	10.3	39.0	54.5	350.0	0.44
517.1627	27	16.5	11.3	42.0	60.5	380.0	0.49
517.1628	28	16.5	11.3	42.0	60.5	380.0	0.49
517.1629	29	17.5	12.5	45.0	64.0	410.0	0.68
517.1630	30	17.5	12.5	45.0	64.0	410.0	0.68
517.1632	32	18.5	12.5	49.0	66.0	430.0	0.72
517.1636	36	22.0	12.5	55.0	77.0	460.0	1.07
517.1638	38	22.0	12.5	55.0	77.0	465.0	1.08
517.1641	41	24.5	13.5	60.0	85.0	510.0	1.26
517.1646	46	25.5	16.0	66.0	93.0	530.0	1.70
517.1650	50	26.5	16.5	74.0	104.0	560.0	2.20
517.1655	55	28.5	19.0	82.0	112.0	570.0	2.90
517.1660	60	31.0	20.0	90.0	123.0	660.0	3.60
517.1665	65	33.0	22.0	98.0	133.0	710.0	4.55
517.1670	70	35.0	24.0	105.0	143.0	760.0	5.80
517.1675	75	38.0	26.0	110.0	153.0	810.0	6.65
517.1680	80	41.0	28.0	119.0	163.0	860.0	8.50
517.2601	1/4"	5.5	3.7	11.0	15.5	110.0	0.02
517.2602	5/16"	6.5	4.3	13.8	20.0	130.0	0.03
517.2603	3/8"	7.5	4.7	16.5	23.5	150.0	0.04
517.2604	7/16"	8.0	5.1	18.0	25.0	158.0	0.05
517.2651	1/2"	9.0	5.5	21.2	29.5	175.0	0.08
517.2606	9/16"	9.5	5.7	23.0	31.5	185.0	0.09
517.2607	5/8"	10.5	6.5	26.0	35.5	210.0	0.12
517.2608	11/16"	11.0	6.9	27.6	37.0	225.0	0.14
517.2609	3/4"	12.0	7.7	30.5	42.5	255.0	0.18
517.2611	25/32"	12.5	8.1	31.5	44.0	270.0	0.20
517.2612	13/16"	13.0	8.5	33.0	45.5	285.0	0.24
517.2613	7/8"	13.5	8.9	34.5	47.5	300.0	0.28
517.2614	15/16"	14.5	9.5	37.0	52.0	320.0	0.38
517.2652	1"	15.5	10.3	39.0	54.5	350.0	0.44
517.2616	1.1/16"	16.5	11.0	42.0	60.5	380.0	0.49
517.2617	1.1/8"	16.5	11.3	42.0	60.5	380.0	0.49
517.2618	1.3/16"	17.5	12.5	45.0	64.0	410.0	0.68
517.2619	1.1/4"	16.5	11.3	42.0	60.5	380.0	0.49
517.2621	1.5/16"	18.5	12.5	49.0	66.0	430.0	0.72
517.2622	1.3/8"	22.0	12.5	55.0	77.0	460.0	1.07
517.2623	1.7/16"	23.0	12.5	55.0	77.0	461.0	1.07
517.2624	1.1/2"	22.0	12.5	55.0	77.0	465.0	1.08
517.2653	1.9/16"	12.5	12.5	55.0	77.0	465.0	1.08
517.2626	1.5/8"	13.5	13.5	60.0	85.0	510.0	1.26
517.2627	1.11/16"	13.5	13.5	60.0	85.0	510.0	1.26
517.2628	1.3/4"	16.0	16.0	66.0	93.0	530.0	1.70
517.2629	1.13/16"	16.0	16.0	66.0	93.0	530.0	1.70
517.2631	1.7/8"	16.0	16.0	66.0	93.0	530.0	1.70

	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
517.2632	1.15/16"	16.5	16.5	74.0	104.0	560.0	2.20
517.2633	2"	16.5	16.5	74.0	104.0	560.0	2.20
517.2634	2.1/16"	16.5	16.5	74.0	104.0	560.0	2.20
517.2635	2.1/8"	16.5	16.5	74.0	104.0	560.0	2.20
517.2636	2.3/16"	19.0	19.0	82.0	112.0	570.0	2.90
517.2637	2.1/4"	19.0	19.0	82.0	112.0	570.0	2.90
517.2638	2.5/16"	19.0	19.0	82.0	112.0	570.0	2.90
517.2639	2.3/8"	20.0	20.0	90.0	123.0	660.0	3.60
517.2641	2.7/16"	20.0	20.0	90.0	123.0	660.0	3.60
517.2642	2.1/2"	22.0	22.0	98.0	133.0	710.0	4.55
517.2643	2.9/16"	22.0	22.0	98.0	133.0	710.0	4.55
517.2644	2.3/4"	24.0	24.0	105.0	143.0	760.0	5.80
517.2645	3"	26.0	26.0	110.0	153.0	810.0	6.65
517.2646	3.1/8"	28.0	28.0	119.0	163.0	860.0	8.50
517.2647	3.1/4"	28.0	28.0	119.0	163.0	860.0	8.50

CLASSIC combination spanners set, offset

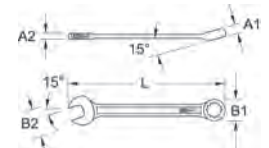
- FlankTraction profile (12 point)
- DIN 3113 Form B / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 70° offset
- Ring head 10° angled
- Matt finished
- Chrome vanadium



	pcs	mm	kg
517.0090	8 pcs	8 - 10 - 12 - 13 - 14 - 17 - 19 - 22	0.92
517.0095	12 pcs	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 mm	1.00
517.0099	25 pcs	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 30 - 32 mm	5.96

CHROMEplus® Combination spanner, offset

- FlankTraction profile (12 point)
- DIN 3113 / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0606	6	4.6	4.3	10.5	13.7	128.0	21
518.0607	7	5.1</					

	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0614	14	9.6	7.7	22.1	28.9	190.0	95
518.0615	15	10.7	8.5	24.5	32.6	205.0	124
518.0616	16	10.7	8.5	24.5	32.6	205.0	124
518.0617	17	11.0	8.8	26.7	36.3	225.0	155
518.0618	18	11.2	9.2	28.3	38.6	248.0	176
518.0619	19	11.2	9.2	28.3	38.6	248.0	176
518.0620	20	12.4	9.8	30.5	42.5	270.0	233
518.0621	21	12.4	9.8	30.5	42.5	270.0	233
518.0622	22	12.9	10.4	33.3	46.5	292.0	287
518.0624	24	13.9	10.8	35.4	48.5	314.0	332
518.0627	27	15.4	12.3	38.4	53.5	359.0	512
518.0630	30	15.8	12.9	43.1	57.2	390.0	664
518.0632	32	16.4	13.0	45.1	62.0	425.0	847
518.3001	1/4"	4.6	4.3	10.5	13.7	128.0	21
518.3002	5/16"	5.7	4.7	12.6	18.9	148.0	32
518.3003	3/8"	8.1	5.8	15.6	20.6	154.0	46
518.3004	7/16"	8.5	6.8	17.8	23.0	167.0	62
518.3005	1/2"	8.8	7.1	20.3	26.3	178.0	71
518.3006	9/16"	9.6	7.7	22.1	28.9	190.0	95
518.3007	5/8"	10.7	8.5	24.5	32.6	205.0	124
518.3008	11/16"	11.0	8.8	26.7	36.3	225.0	155
518.3009	3/4"	11.2	9.2	28.3	38.6	248.0	176
518.3010	13/16"	12.4	9.8	30.5	42.5	270.0	233
518.3011	7/8"	12.9	10.4	33.3	46.5	292.0	287
518.3012	15/16"	13.9	10.8	35.4	48.5	314.0	332
518.3013	1"	14.4	11.4	36.5	50.4	336.0	422
518.3014	1.1/16"	15.4	12.3	38.4	53.5	359.0	512
518.3015	1.1/8"	15.8	12.9	43.1	57.2	390.0	664
518.3016	1.1/4"	16.4	13.0	45.1	62.0	425.0	847

CHROMEplus® combination spanner set, offset

- FlankTraction profile (12 point)
- DIN 3113 / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0640	9 pcs	8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm					930



CHROMEplus® Combination spanner set, offset

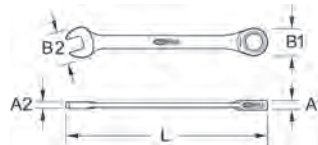
- FlankTraction profile (12 point)
- DIN 3113 / ISO 3318 / ISO 7738
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0641	11 pcs	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 mm					1.40
518.0643	13 pcs	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 17 - 19 - 22 mm					1.40
518.0644	4 pcs	24 - 27 - 30 - 32 mm					2.50
518.3000	11 pcs	1/4" - 5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4" - 13/16" - 7/8"					1.30
518.3020	7 pcs	3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16" - 3/4"					0.73

GEARplus® Combination ratcheting spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.42055	5,5	6,3	3,9	14,0	15,0	127,5	20
503.4206	6	6,3	3,9	14,0	15,0	128,0	25
503.4207	7	6,5	4,0	16,8	16,7	140,0	30
503.4208	8	6,5	4,0	16,8	16,7	140,0	30
503.4209	9	6,9	4,4	18,8	18,7	149,0	40
503.4210	10	7,3	4,8	20,8	20,8	158,0	50
503.4211	11	7,7	5,2	21,8	23,0	165,0	60
503.4212	12	8,2	5,5	22,8	24,6	171,0	70
503.4213	13	8,6	5,8	24,8	26,8	178,0	80
503.4214	14	9,0	6,2	27,8	29,0	190,0	110
503.4215	15	9,4	6,5	28,8	31,0	199,0	120
503.4216	16	9,9	6,8	30,8	33,0	208,0	150
503.4217	17	10,3	7,2	31,8	35,5	225,0	180
503.4218	18	10,7	7,7	32,8	37,5	236,0	210
503.4219	19	11,2	8,2	33,8	39,4	247,0	240
503.4221	21	13,0	9,0	40,0	45,8	289,0	340
503.4222	22	13,0	9,0	40,0	45,8	289,0	340
503.4224	24	14,5	10,0	46,0	51,8	322,0	470
503.4227	27	15,5	10,5	52,0	56,4	358,0	580
503.4228	30	17,0	11,4	58,0	62,7	401,0	860
503.4229	32	17,5	12,5	62,0	66,4	424,0	1060
503.4230	34	17,5	13,0	62,0	70,0	459,0	1170
503.4102	5/16"	6,5	4,0	16,8	16,7	140,0	30
503.4103	3/8"	7,3	4,8	20,8	20,8	158,0	40
503.4104	7/16"	7,7	5,2	21,8	23,0	165,0	50
503.4105	1/2"	8,6	5,8	24,8	26,8	178,0	70
503.4106	9/16"	9,0	6,2	27,8	29,0	190,0	110
503.4107	5/8"	9,9	6,8	30,8	33,0	208,0	130
503.4108	11/16"	10,3	7,2	31,8	35,5	225,0	170
503.4109	3/4"	11,2	8,2	33,8	39,4	247,0	220

GEARplus® Double ring ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4204	4 pcs	10 - 13 - 17 - 19 mm					0.65
503.4205	5 pcs	8 - 10 - 13 - 17 - 19 mm					0.69
503.4270	4 pcs	24 - 27 - 30 - 32 mm					3.07
503.4202	5 pcs	5/16" - 3/8" - 1/2" - 11/16" - 3/4"					0.69

GEARplus® ratchet combination spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4255	5 pcs	8 - 10 - 13 - 17 - 19 mm					0.69
5 x		8 - 10 - 13 - 17 - 19 mm					

GEARplus® combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4259	6 pcs	8 - 10 - 12 - 13 - 17 - 19 mm					0.97
6 x		8 - 10 - 12 - 13 - 17 - 19 mm					

GEARplus® combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Square drive adaptor to DIN 3120
- - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

		kg	
503.4260	10 pcs	GEARplus® combination ratcheting spanner set	1.06
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case

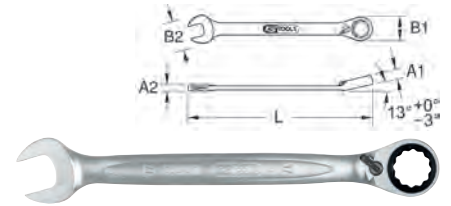


1/4" 3/8" 1/2"

		kg	
503.4266	16 pcs	GEARplus® combination ratcheting spanner set	1.73
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® reversing combination ratcheting spanner

- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4606	6	6.3	3.9	14.0	15.0	127.5	30
503.4607	7	6.5	4.6	16.4	16.2	140.0	30
503.4608	8	6.5	4.6	16.4	16.2	140.0	30
503.4609	9	6.9	4.9	18.3	18.2	150.0	40
503.4610	10	7.3	5.3	20.0	20.5	159.0	50
503.4611	11	7.7	5.6	21.4	22.6	166.0	60
503.4612	12	8.2	6.0	22.6	24.6	172.0	70
503.4613	13	8.6	6.4	24.5	26.7	178.0	80
503.4614	14	9.0	6.8	27.0	28.8	191.0	100
503.4615	15	9.4	7.0	28.2	30.8	200.0	120
503.4616	16	9.9	7.2	30.3	33.2	208.0	150
503.4617	17	10.3	7.7	31.6	35.1	225.0	160
503.4618	18	10.7	8.2	32.3	37.2	236.0	190
503.4619	19	11.2	8.8	33.7	39.3	248.0	220
503.4621	21	13.0	9.0	40.1	46.2	290.0	245
503.4622	22	13.0	9.0	40.1	46.2	290.0	360
503.4624	24	14.5	10.0	46.5	51.5	323.0	470
503.4627	27	15.5	10.5	52.5	56.5	357.0	660
503.4628	30	17.0	11.4	58.5	62.7	400.0	860
503.4629	32	17.5	12.5	62.5	66.4	423.0	1050
503.4630	34	17.5	13.0	62.5	70.6	460.0	1200
503.4643	36	18.0	13.4	65.8	79.0	488.0	1300
503.4644	38	18.0	13.4	65.8	79.0	488.0	1400
503.4648	41	19.5	16.5	71.0	86.0	565.0	2000
503.4681	5/16"	6.5	4.0	16.6	16.7	145.0	30
503.4683	3/8"	7.3	4.8	20.0	20.8	159.0	60
503.4684	7/16"	7.7	5.2	21.8	23.0	165.0	70
503.4685	1/2"	8.6	5.8	24.7	27.1	178.0	80
503.4686	9/16"	9.0	6.5	27.0	29.2	190.0	100
503.4687	5/8"	9.9	6.8	30.0	33.4	208.0	140
503.4688	11/16"	10.3	7.2	31.8	35.5	225.0	170
503.4689	3/4"	11.2	8.2	33.8	39.7	248.0	230

GEARplus® combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



		kg	
503.4265	12 pcs	GEARplus® combination ratcheting spanner set	1.88
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



1/4" 3/8" 1/2" 5/16" 10 mm

		kg	
503.4200	70 pcs	GEARplus® combination ratcheting spanner display	2.87
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



		kg	
503.4604	4 pcs	10 - 13 - 17 - 19 mm	0.65
503.4605	5 pcs	8 - 10 - 13 - 17 - 19 mm	0.70
503.4602	5 pcs	5/16" - 3/8" - 1/2" - 11/16" - 3/4"	0.54

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- Square drive adaptor to DIN 3120
- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

503.4650	9 pcs	GEARplus® reversing combination ratcheting spanner set	1.10
5 x		8 - 10 - 13 - 17 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- Square drive adaptor to DIN 3120
- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

503.4647	10 pcs	GEARplus® reversing combination ratcheting spanner set	1.11
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

503.4666	16 pcs	GEARplus® reversing combination ratcheting spanner set	1.79
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



503.4646	6 pcs	GEARplus® reversing combination ratcheting spanner set	1.04
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



503.4665	12 pcs	GEARplus® reversing combination ratcheting spanner set	1.71
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	



GEARplus® reversing combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



1/4" 3/8" 1/2" 5/16" 10 mm

		kg	
503.4600	70 pcs	GEARplus® reversing combination ratcheting spanner display	2.82
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

GEARplus® reversing combination ratcheting spanner set

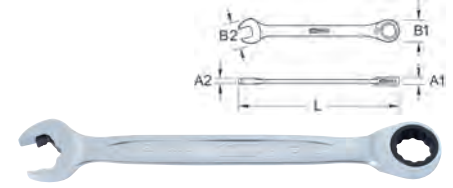
- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



		kg	
503.4955	5 pcs	GEARplus® reversing combination ratcheting spanner set	0.66
5 x		8 - 10 - 13 - 17 - 19 mm	

DUO GEARplus® combination spanner set with ratchet mechanism in ring and open jaw

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	Nm	Nm	kg
503.5208	8	6.5	4.1	16.4	16.2	140.0	15.0	36.0	30
503.5209	9	6.9	4.3	18.3	18.3	150.0	21.1	48.0	40
503.5210	10	7.3	4.8	20.0	20.0	159.0	31.1	85.2	50
503.5211	11	7.7	5.1	21.4	21.4	166.0	46.1	96.0	60
503.5212	12	8.2	5.3	22.6	22.6	172.0	49.1	109.2	70
503.5213	13	8.6	5.9	24.5	24.5	178.0	62.1	138.0	80
503.5214	14	9.0	6.3	27.0	27.0	191.0	86.0	189.6	110
503.5215	15	9.4	6.6	28.2	28.2	200.0	104.1	240.0	120
503.5216	16	9.9	6.9	30.3	30.3	208.0	124.1	297.6	150
503.5217	17	10.3	7.3	31.6	31.6	225.0	139.1	320.4	170
503.5218	18	10.7	7.8	32.3	32.3	236.0	155.1	364.8	210
503.5219	19	11.2	8.3	33.7	33.7	248.0	186.1	387.6	220
503.5221	21	13.0	8.8	40.1	46.2	290.0	248.1	446.4	340
503.5222	22	13.0	8.8	40.1	46.2	290.0	279.1	489.6	340
503.5224	24	14.5	9.8	46.5	51.5	323.0	341.2	610.8	470
503.5227	27	15.5	10.4	52.9	56.1	352.0	432.0	805.2	650
503.5228	30	17.1	11.2	57.6	62.5	396.0	570.0	954.0	875
503.5229	32	17.6	12.1	61.9	66.2	418.0	650.0	1086.0	1035



GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- Versatile sockets with go through function
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2" 5/16" 10 mm

		kg	
503.4960	30 pcs	GEARplus® reversing combination ratcheting spanner set	2.43
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
3 x		1/4" - 5/16" - 10 mm	
3 x		1/4" - 3/8" - 1/2"	

DUO GEARplus® combination spanner set with ratchet mechanism in ring and open jaw

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium
- In durable plastic holder



		kg	
503.5205	5 pcs	8 - 10 - 13 - 17 - 19 mm	0.66

GEARplus® reversing combination ratcheting spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- Ring stop function
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4908	8	6.5	4.6	16.6	16.7	140.0	40
503.4909	9	6.9	4.9	18.4	18.8	150.0	45
503.4910	10	7.3	5.3	20.0	20.8	159.0	50
503.4911	11	7.7	5.6	21.8	23.0	165.0	60
503.4912	12	8.2	6.0	22.7	25.0	172.0	70
503.4913	13	8.6	6.4	24.7	27.1	178.0	80
503.4914	14	9.0	6.8	27.0	29.2	191.0	100
503.4915	15	9.4	7.0	28.3	31.1	200.0	120
503.4916	16	9.9	7.2	30.0	33.4	208.0	140
503.4917	17	10.3	7.7	31.8	35.5	226.0	170
503.4918	18	10.7	8.2	32.6	37.6	237.0	200
503.4919	19	11.2	8.8	33.8	39.7	248.0	210



DUO GEARplus® combination spanner with ratchet mechanism in ring and open jaw, reversible

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ring head 15° offset
- With reverse lever
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium



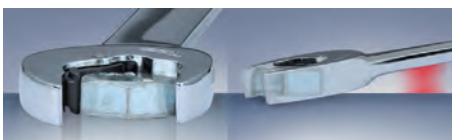
	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	Nm	Nm	kg
503.5908	8	6.5	4.1	16.4	16.2	140.0	15.0	36.0	40
503.5909	9	6.9	4.3	18.3	18.2	150.0	21.1	48.0	45
503.5910	10	7.3	4.8	20.0	20.5	159.0	31.1	85.2	50
503.5911	11	7.7	5.1	21.4	22.6	166.0	46.1	96.0	60
503.5912	12	8.2	5.3	22.6	24.6	172.0	49.1	109.2	70
503.5913	13	8.6	5.9	24.5	26.7	178.0	62.1	138.0	80
503.5914	14	9.0	6.3	27.0	28.8	191.0	86.0	189.6	100
503.5915	15	9.4	6.6	28.2	30.8	200.0	104.1	240.0	120
503.5916	16	9.9	6.9	30.3	33.2	208.0	124.1	297.6	140
503.5917	17	10.3	7.3	31.6	35.1	225.0	139.1	320.4	170
503.5918	18	10.7	7.8	32.3	37.2	236.0	155.1	364.8	200
503.5919	19	11.2	8.3	33.7	39.3	248.0	186.1	387.6	210
503.5921	21	13.0	8.8	40.1	46.2	290.0	248.1	446.4	340
503.5922	22	13.0	8.8	40.0	46.2	290.0	279.1	489.6	340
503.5924	24	14.5	9.8	46.5	51.5	323.0	341.2	610.8	470
503.5927	27	15.5	10.4	52.9	56.1	352.0	432.0	805.2	650
503.5928	30	17.1	11.2	57.6	62.5	396.0	570.0	954.0	875
503.5929	32	17.6	12.1	61.9	66.2	418.0	650.0	1086.0	1035

DUO GEARplus® combination spanner set with ratchet mechanism in ring and open jaw, reversible

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ring head 15° offset
- With reverse lever
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium
- In durable plastic holder



		kg
503.5905	5 pcs 8 - 10 - 13 - 17 - 19 mm	0.66



FLEXIBLE COMBINATION SPANNERS

GEARplus® flexible combination ratcheting spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4708	8	6.5	4.3	16.7	16.2	127.0	30
503.4709	9	6.9	4.6	18.6	18.2	131.5	40
503.4710	10	7.3	5.0	20.0	20.3	136.0	50
503.4711	11	7.7	5.4	21.8	22.5	141.0	60
503.4712	12	8.2	5.8	23.0	24.3	147.5	70
503.4713	13	8.6	6.1	25.2	26.8	154.0	80
503.4714	14	9.0	6.4	26.8	28.3	160.0	100
503.4715	15	9.4	6.9	28.3	29.8	169.0	120
503.4716	16	9.9	7.2	29.8	31.8	179.0	150
503.4717	17	10.3	7.6	31.8	32.8	190.0	160
503.4718	18	10.7	8.0	32.8	37.0	203.0	190
503.4719	19	11.2	8.6	33.9	39.2	215.0	220
503.4721	21	13.0	9.0	40.0	46.0	274.0	400
503.4722	22	13.0	9.0	40.0	46.0	274.0	400
503.4724	24	14.5	10.0	46.0	52.2	296.0	550

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



		kg
503.4759	6 pcs GEARplus® flexible combination ratcheting spanner set	1.90
6 x	8 - 10 - 12 - 13 - 17 - 19 mm	

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- Square drive adaptor to DIN 3120-ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

		kg
503.4760	10 pcs GEARplus® flexible combination ratcheting spanner set	2.00
6 x	8 - 10 - 12 - 13 - 17 - 19 mm	
1 x	1/4"	
3 x	1/4" - 3/8" - 1/2"	

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



		kg
503.4765	12 pcs GEARplus® flexible combination ratcheting spanner set	2.56
12 x	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- Square drive adaptor to DIN 3120-ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case

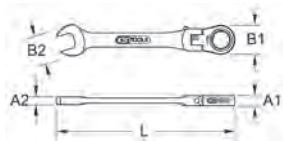


1/4" 3/8" 1/2"

		kg	
503.4766	16 pcs	GEARplus® flexible combination ratcheting spanner set	2.66
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® flexible locking combination ratcheting spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4808	8	6.5	4.3	16.7	16.2	127.0	30
503.4809	9	6.9	4.6	18.6	18.2	131.5	40
503.4810	10	7.3	5.0	20.0	20.3	136.0	50
503.4811	11	7.7	5.4	21.8	22.5	141.0	60
503.4812	12	8.2	5.8	23.0	24.3	147.5	70
503.4813	13	8.6	6.1	25.2	26.8	154.0	80
503.4814	14	9.0	6.4	26.8	28.7	160.0	100
503.4815	15	9.4	6.9	28.3	30.5	169.0	120
503.4816	16	9.9	7.2	29.8	32.9	179.0	150
503.4817	17	10.3	7.6	31.8	34.5	190.0	160
503.4818	18	10.7	8.0	32.8	37.0	203.0	190
503.4819	19	11.2	8.6	33.9	39.2	215.0	220

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- Square drive adaptor to DIN 3120-ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2" 5/16" 3/8" 10 mm

		kg	
503.4867	12 pcs	GEARplus® flexible locking combination ratcheting spanner set	1.30
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	
3 x		1/4" - 5/16" - 10 mm	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® flexible combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium



1/4" 3/8" 1/2" 5/16" 3/8" 10 mm

		kg	
503.4700	70 pcs	GEARplus® flexible combination ratcheting spanner display	2.74
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



		kg	
503.4859	6 pcs	GEARplus® flexible locking combination ratcheting spanner set	1.21
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



		kg	
503.4865	12 pcs	GEARplus® flexible locking combination ratcheting spanner set	2.56
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2" 1 3/4" 2" 2 1/4" 2 1/2" 3" 3 1/2" 4" 5" 6" 8" 10" 12" 15" 18" 21" 24" 27" 30" 36" 42" 48" 54" 60" 72" 84" 96" 108" 120" 144" 168" 192" 216" 240" 270" 300" 324" 348" 372" 396" 420" 444" 468" 492" 516" 540" 564" 588" 612" 636" 660" 684" 708" 732" 756" 780" 804" 828" 852" 876" 900" 924" 948" 972" 996" 1020" 1044" 1068" 1092" 1116" 1140" 1164" 1188" 1212" 1236" 1260" 1284" 1308" 1332" 1356" 1380" 1404" 1428" 1452" 1476" 1500" 1524" 1548" 1572" 1596" 1620" 1644" 1668" 1692" 1716" 1740" 1764" 1788" 1812" 1836" 1860" 1884" 1908" 1932" 1956" 1980" 2004" 2028" 2052" 2076" 2100" 2124" 2148" 2172" 2196" 2220" 2244" 2268" 2292" 2316" 2340" 2364" 2388" 2412" 2436" 2460" 2484" 2508" 2532" 2556" 2580" 2604" 2628" 2652" 2676" 2700" 2724" 2748" 2772" 2796" 2820" 2844" 2868" 2892" 2916" 2940" 2964" 2988" 3012" 3036" 3060" 3084" 3108" 3132" 3156" 3180" 3204" 3228" 3252" 3276" 3300" 3324" 3348" 3372" 3396" 3420" 3444" 3468" 3492" 3516" 3540" 3564" 3588" 3612" 3636" 3660" 3684" 3708" 3732" 3756" 3780" 3804" 3828" 3852" 3876" 3900" 3924" 3948" 3972" 3996" 4020" 4044" 4068" 4092" 4116" 4140" 4164" 4188" 4212" 4236" 4260" 4284" 4308" 4332" 4356" 4380" 4404" 4428" 4452" 4476" 4500" 4524" 4548" 4572" 4596" 4620" 4644" 4668" 4692" 4716" 4740" 4764" 4788" 4812" 4836" 4860" 4884" 4908" 4932" 4956" 4980" 5004" 5028" 5052" 5076" 5100" 5124" 5148" 5172" 5196" 5220" 5244" 5268" 5292" 5316" 5340" 5364" 5388" 5412" 5436" 5460" 5484" 5508" 5532" 5556" 5580" 5604" 5628" 5652" 5676" 5700" 5724" 5748" 5772" 5796" 5820" 5844" 5868" 5892" 5916" 5940" 5964" 5988" 6012" 6036" 6060" 6084" 6108" 6132" 6156" 6180" 6204" 6228" 6252" 6276" 6300" 6324" 6348" 6372" 6396" 6420" 6444" 6468" 6492" 6516" 6540" 6564" 6588" 6612" 6636" 6660" 6684" 6708" 6732" 6756" 6780" 6804" 6828" 6852" 6876" 6900" 6924" 6948" 6972" 6996" 7020" 7044" 7068" 7092" 7116" 7140" 7164" 7188" 7212" 7236" 7260" 7284" 7308" 7332" 7356" 7380" 7404" 7428" 7452" 7476" 7500" 7524" 7548" 7572" 7596" 7620" 7644" 7668" 7692" 7716" 7740" 7764" 7788" 7812" 7836" 7860" 7884" 7908" 7932" 7956" 7980" 8004" 8028" 8052" 8076" 8100" 8124" 8148" 8172" 8196" 8220" 8244" 8268" 8292" 8316" 8340" 8364" 8388" 8412" 8436" 8460" 8484" 8508" 8532" 8556" 8580" 8604" 8628" 8652" 8676" 8700" 8724" 8748" 8772" 8796" 8820" 8844" 8868" 8892" 8916" 8940" 8964" 8988" 9012" 9036" 9060" 9084" 9108" 9132" 9156" 9180" 9204" 9228" 9252" 9276" 9300" 9324" 9348" 9372" 9396" 9420" 9444" 9468" 9492" 9516" 9540" 9564" 9588" 9612" 9636" 9660" 9684" 9708" 9732" 9756" 9780" 9804" 9828" 9852" 9876" 9900" 9924" 9948" 9972" 10000

		kg	
503.4868	18 pcs	GEARplus® flexible locking combination ratcheting spanner set	2.90
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
3 x		1/4" - 5/16" - 10 mm	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® flexible locking combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium



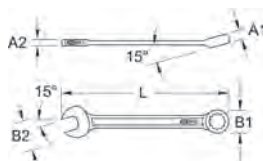
1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2" 1 3/4" 2" 2 1/4" 2 1/2" 3" 3 1/2" 4" 5" 6" 8" 10" 12" 15" 18" 21" 24" 27" 30" 36" 42" 48" 54" 60" 72" 84" 96" 108" 120" 144" 168" 192" 216" 240" 270" 300" 324" 348" 372" 396" 420" 444" 468" 492" 516" 540" 564" 588" 612" 636" 660" 684" 708" 732" 756" 780" 804" 828" 852" 876" 900" 924" 948" 972" 996" 1020" 1044" 1068" 1092" 1116" 1140" 1164" 1188" 1212" 1236" 1260" 1284" 1308" 1332" 1356" 1380" 1404" 1428" 1452" 1476" 1500" 1524" 1548" 1572" 1596" 1620" 1644" 1668" 1692" 1716" 1740" 1764" 1788" 1812" 1836" 1860" 1884" 1908" 1932" 1956" 1980" 2004" 2028" 2052" 2076" 2100" 2124" 2148" 2172" 2196" 2220" 2244" 2268" 2292" 2316" 2340" 2364" 2388" 2412" 2436" 2460" 2484" 2508" 2532" 2556" 2580" 2604" 2628" 2652" 2676" 2700" 2724" 2748" 2772" 2796" 2820" 2844" 2868" 2892" 2916" 2940" 2964" 2988" 3012" 3036" 3060" 3084" 3108" 3132" 3156" 3180" 3204" 3228" 3252" 3276" 3300" 3324" 3348" 3372" 3396" 3420" 3444" 3468" 3492" 3516" 3540" 3564" 3588" 3612" 3636" 3660" 3684" 3708" 3732" 3756" 3780" 3804" 3828" 3852" 3876" 3900" 3924" 3948" 3972" 3996" 4020" 4044" 4068" 4092" 4116" 4140" 4164" 4188" 4212" 4236" 4260" 4284" 4308" 4332" 4356" 4380" 4404" 4428" 4452" 4476" 4500" 4524" 4548" 4572" 4596" 4620" 4644" 4668" 4692" 4716" 4740" 4764" 4788" 4812" 4836" 4860" 4884" 4908" 4932" 4956" 4980" 5004" 5028" 5052" 5076" 5100" 5124" 5148" 5172" 5196" 5220" 5244" 5268" 5292" 5316" 5340" 5364" 5388" 5412" 5436" 5460" 5484" 5508" 5532" 5556" 5580" 5604" 5628" 5652" 5676" 5700" 5724" 5748" 5772" 5796" 5820" 5844" 5868" 5892" 5916" 5940" 5964" 5988" 6012" 6036" 6060" 6084" 6108" 6132" 6156" 6180" 6204" 6228" 6252" 6276" 6300" 6324" 6348" 6372" 6396" 6420" 6444" 6468" 6492" 6516" 6540" 6564" 6588" 6612" 6636" 6660" 6684" 6708" 6732" 6756" 6780" 6804" 6828" 6852" 6876" 6900" 6924" 6948" 6972" 6996" 7020" 7044" 7068" 7092" 7116" 7140" 7164" 7188" 7212" 7236" 7260" 7284" 7308" 7332" 7356" 7380" 7404" 7428" 7452" 7476" 7500" 7524" 7548" 7572" 7596" 7620" 7644" 7668" 7692" 7716" 7740" 7764" 7788" 7812" 7836" 7860" 7884" 7908" 7932" 7956" 7980" 8004" 8028" 8052" 8076" 8100" 8124" 8148" 8172" 8196" 8220" 8244" 8268" 8292" 8316" 8340" 8364" 8388" 8412" 8436" 8460" 8484" 8508" 8532" 8556" 8580" 8604" 8628" 8652" 8676" 8700" 8724" 8748" 8772" 8796" 8820" 8844" 8868" 8892" 8916" 8940" 8964" 8988" 9012" 9036" 9060" 9084" 9108" 9132" 9156" 9180" 9204" 9228" 9252" 9276" 9300" 9324" 9348" 9372" 9396" 9420" 9444" 9468" 9492" 9516" 9540" 9564" 9588" 9612" 9636" 9660" 9684" 9708" 9732" 9756" 9780" 9804" 9828" 9852" 9876" 9900" 9924" 9948" 9972" 10000

		kg	
503.4800	70 pcs	GEARplus® flexible locking combination ratcheting spanner display	2.82
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

COMBINATION SPANNERS, EXTRA LONG

CLASSIC combination spanner, extra long

- FlankTraction Profile
- Jaw 15° offset
- Ring head 15° offset
- Matt finish
- Chrome vanadium

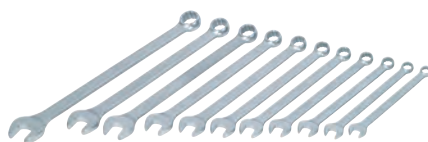


	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
517.1508	8	7.5	4.5	13.2	20.3	170.0	45
517.1509	9	8.0	4.5	14.6	22.4	180.0	50
517.1510	10	8.5	5.0	16.0	24.4	190.0	62
517.1511	11	9.0	5.5	17.2	26.4	200.0	74
517.1512	12	9.5	6.0	19.0	28.4	210.0	90
517.1513	13	10.0	6.5	20.0	30.5	225.0	108
517.1514	14	11.0	7.0	21.8	32.5	235.0	120
517.1515	15	12.0	7.5	23.0	34.5	250.0	150
517.1516	16	13.0	8.0	24.5	36.4	265.0	174
517.1517	17	14.0	8.5	26.5	38.4	280.0	206
517.1518	18	15.0	9.0	28.0	40.6	295.0	240
517.1519	19	16.0	9.5	29.5	42.6	310.0	272
517.1520	20	16.0	9.5	29.5	42.0	310.0	260
517.1521	21	17.0	10.0	33.0	46.6	340.0	355
517.1522	22	18.0	11.0	34.5	48.7	350.0	420
517.1523	23	18.0	11.5	34.0	47.0	345.0	400
517.1524	24	19.0	12.0	37.5	52.7	400.0	535
517.1525	25	19.0	12.0	37.0	52.0	395.0	540
517.1526	26	20.0	13.0	41.0	58.0	445.0	680
517.1527	27	20.0	13.0	42.0	58.9	450.0	700
517.1528	28	20.0	13.5	41.0	58.0	445.0	700
517.1530	30	21.0	14.0	47.0	64.8	480.0	875
517.1532	32	22.0	15.0	49.5	67.0	500.0	1000
517.1534	34	23.0	15.0	53.0	70.0	520.0	1100
517.1536	36	24.0	16.0	57.2	73.0	550.0	1320
517.1541	41	26.0	16.0	63.5	86.0	600.0	1700
517.1546	46	27.0	17.5	70.9	96.0	640.0	2120



CLASSIC Combination spanner set, extra long

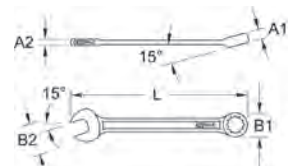
- FlankTraction profile
- Execution similar to DIN 3113
- Jaw 15° offset
- Ring head 15° offset
- Matt finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
517.1500	5 pcs	8 - 10 - 13 - 17 - 19 mm					0.70
517.1505	11 pcs	12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 mm					2.67

CHROMEplus® combination spanner, extra long

- FlankTraction profile (12 point)
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
519.0650	10	6.9	5.1	15.8	22.8	189.0	53
519.0651	11	7.0	5.3	17.3	24.6	207.0	62
519.0652	12	7.8	5.6	18.8	27.2	225.0	77
519.0653	13	8.5	5.7	20.4	28.6	243.0	113
519.0654	14	9.1	6.9	21.8	31.4	261.0	128
519.0655	15	9.3	7.0	23.4	33.5	279.0	144
519.0656	16	10.0	7.3	24.8	35.3	297.0	182
519.0657	17	10.1	7.4	26.2	37.6	314.0	197
519.0658	18	11.3	7.8	27.5	39.4	333.0	223
519.0659	19	12.7	8.7	28.7	41.5	349.0	271

CHROMEplus® combination spanner set, extra long

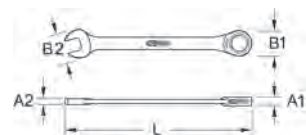
- FlankTraction profile (12 point)
- Jaw 15° offset
- Ring head 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



		kg	
519.0660	10 pcs	10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	1.73

GEARplus® combination ratcheting spanner, extra long

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4008	8	6.5	5.7	16.6	16.7	160.0	40
503.4010	10	7.3	6.3	20.0	20.8	190.0	70
503.4012	12	8.2	7.2	22.7	25.0	220.0	100
503.4013	13	8.6	7.6	24.7	27.1	238.0	130
503.4014	14	9.0	8.1	27.0	29.2	255.0	150
503.4015	15	9.4	8.4	28.3	31.3	275.0	180
503.4016	16	9.9	8.6	30.0	33.4	295.0	200
503.4017	17	10.3	8.9	31.4	35.5	314.0	240
503.4018	18	10.7	9.4	32.9	37.6	333.0	280
503.4019	19	11.2	9.7	34.0	39.7	349.0	320

GEARplus® combination ratcheting spanner set, extra long

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Extra long
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- In durable metal case



503.4050	9 pcs	GEARplus® combination ratcheting spanner set, extra long		1.91	
5 x		8 - 10 - 13 - 17 - 19 mm			
1 x		1/4"			
3 x		1/4" - 3/8" - 1/2"			

OPEN ENDED SPANNERS

One handed multi function spanner

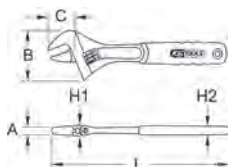
- Multi function spanner with ratchet function
- For complete screw working
- Adapts itself automatically to the screw size
- No slipping due to the coarse teeth
- Chrome vanadium



	dim mm	L mm	kg
114.0050	8-19	190.0	165
114.0051	14-32	300.0	515

CLASSIC Adjustable spanner

- DIN 3117 Form A
- Jaw 15° offset
- Swedish type design
- With mm scale
- With hanging hole
- Matt finish
- Chrome vanadium



	mm	mm	A mm	B mm	C mm	H1 mm	H2 mm	L mm	L1 mm	kg
577.0100	13	1/2"	6.4	31.0	10.9	9.5	8.9	100.0	4"	50
577.0150	18	23/32"	7.1	46.0	15.2	11.8	10.7	150.0	6"	130
577.0200	23	29/32"	8.7	57.4	20.6	14.6	11.9	200.0	8"	250
577.0250	28	1.1/8"	11.1	69.8	24.9	16.9	14.5	250.0	10"	450
577.0300	34	1.5/16"	13.5	82.3	29.0	20.5	15.2	300.0	12"	690
577.0375	43	1.11/16"	15.9	104.3	37.1	25.4	17.5	375.0	15"	1240
577.0450	53	2.1/16"	18.2	120.0	45.2	30.9	19.1	450.0	18"	2100

CLASSIC adjustable spanner set

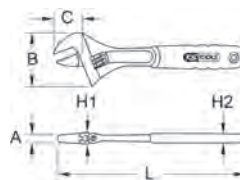
- DIN 3117 Form A
- Jaw 15° offset
- Swedish type design
- With mm scale
- With hanging hole
- Matt finish
- Chrome vanadium



577.0299	2 pcs	250 - 300 mm		1.14	
577.0399	3 pcs	250 - 300 - 375 mm		3.28	

CLASSIC adjustable spanner with dual component comfort grip handle

- DIN 3117 Form A
- Jaw 15° offset
- Swedish type design
- With mm scale
- With hanging hole
- Two component handle
- Matt finish
- Chrome vanadium



	mm	mm	A mm	B mm	C mm	H1 mm	H2 mm	L mm	L1 mm	kg
577.0201	23	29/32"	8.7	57.4	20.6	14.6	11.9	200.0	8"	250
577.0251	28	1.1/8"	11.1	69.8	24.9	16.9	14.5	250.0	10"	450
577.0301	34	1.5/16"	13.5	82.3	29.0	20.5	15.2	300.0	12"	690

CLASSIC adjustable spanner set with dual component comfort grip handle

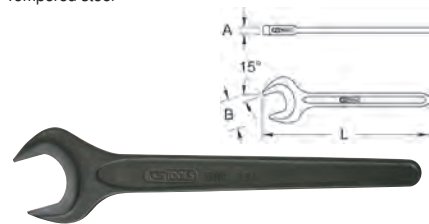
- DIN 3117 Form A
- Jaw 15° offset
- Swedish type design
- With mm scale
- With hanging hole
- Two component handle
- Matt finish
- Chrome vanadium



577.0199	3 pcs	200 - 250 - 300 mm		1.39	

Single open ended spanner

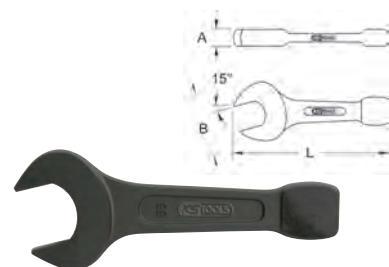
- DIN 894 / ISO 3380
- Jaw 15° offset
- For heavy duty applications
- Phosphate finish
- Tempered steel



	mm	A mm	B mm	L mm	kg
517.2506	6	3.2	15.5	75.0	0.01
517.2507	7	3.5	17.0	80.0	0.01
517.2508	8	3.5	19.0	95.0	0.02
517.2509	9	4.0	20.0	100.0	0.02
517.2510	10	4.5	22.0	105.0	0.02
517.2511	11	5.0	24.5	115.0	0.03
517.2512	12	5.0	26.5	125.0	0.04
517.2513	13	5.5	28.5	135.0	0.04
517.2514	14	5.5	30.0	140.0	0.04
517.2515	15	5.5	32.0	145.0	0.05
517.2516	16	5.5	33.0	155.0	0.06
517.2517	17	6.0	36.0	150.0	0.07
517.2518	18	6.0	36.0	160.0	0.07
517.2519	19	7.0	40.0	170.0	0.08
517.0522	22	8.0	48.0	193.0	0.17
517.0524	24	9.0	50.0	217.0	0.17
517.0527	27	9.8	56.0	239.0	0.23
517.0530	30	10.8	62.0	263.0	0.29
517.0532	32	11.8	66.0	275.0	0.35
517.0536	36	12.8	74.0	305.0	0.41
517.0538	38	12.8	74.0	305.0	0.41
517.0540	40	13.7	87.0	350.0	0.62
517.0541	41	13.8	87.0	344.0	0.62
517.0542	42	13.5	87.0	350.0	0.70
517.0546	46	19.8	94.0	380.0	0.85
517.0548	48	16.5	99.0	395.0	0.94
517.0550	50	15.8	102.0	413.0	1.02
517.0555	55	16.8	112.0	459.0	1.28
517.0560	60	17.7	122.0	494.0	1.63
517.0565	65	18.7	132.0	528.0	1.71
517.0570	70	19.7	142.0	572.0	2.50
517.0575	75	20.7	152.0	610.0	3.50
517.0580	80	21.7	162.0	645.0	3.70
517.0585	85	23.0	173.0	690.0	4.78
517.0590	90	23.0	173.0	690.0	5.45
517.0595	95	25.0	195.0	847.0	5.59
517.0596	100	25.0	195.0	847.0	5.80
517.2605	105	28.0	217.0	1000.0	8.90
517.2610	110	28.0	217.0	1000.0	9.00
517.2615	115	28.0	220.0	1000.0	9.00
517.2620	120	28.0	220.0	1000.0	9.00
517.2625	125	28.0	220.0	1000.0	8.30
517.2630	130	28.0	225.0	1000.0	8.30
517.0635	135	28.0	225.0	1000.0	8.20

Slugging open end spanner

- DIN 133
- Jaw 15° offset
- Impact area
- For heavy duty applications
- Phosphate finish
- Chrome vanadium



	mm	A mm	B mm	L mm	kg
517.2122	22	16.0	55.0	180.0	0.28
517.0124	24	16.0	55.0	180.0	0.28

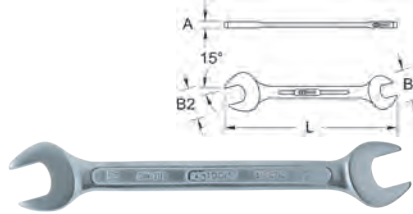
	mm	A mm	B mm	L mm	kg
517.0127	27	16.3	56.0	181.0	0.39
517.0130	30	16.7	62.0	188.0	0.45
517.0132	32	17.2	66.0	196.0	0.55
517.0136	36	18.2	76.0	211.0	0.71
517.0141	41	19.2	88.0	227.0	1.00
517.0146	46	19.7	98.0	256.0	1.26
517.0150	50	21.2	106.5	281.0	1.61
517.0155	55	23.6	117.0	310.0	2.13
517.0160	60	24.1	128.0	321.0	2.48
517.0165	65	27.6	139.0	351.0	3.34
517.0170	70	29.6	150.0	370.0	4.33
517.0175	75	31.0	161.5	390.0	5.11
517.0180	80	34.0	172.5	406.0	6.02
517.0185	85	34.0	172.5	406.0	5.77
517.0190	90	38.4	194.0	456.0	9.81
517.0195	95	38.4	194.0	456.0	8.99
517.0196	100	46.0	225.0	500.0	13.32
517.2105	105	46.3	225.5	500.0	13.22
517.2110	110	46.3	225.5	500.0	13.05
517.2115	115	54.2	245.5	525.0	17.66
517.2120	120	54.2	254.5	525.0	17.61
517.2125	125	50.0	255.0	545.0	16.76
517.2130	130	55.0	275.0	575.0	19.03
517.2135	135	55.0	275.0	575.0	18.88
517.2140	140	55.0	275.0	575.0	17.88
517.2145	145	60.0	305.0	640.0	26.67
517.2150	150	60.0	305.0	640.0	24.66
517.2155	155	60.0	305.0	640.0	24.20
517.2160	160	60.0	305.0	640.0	25.69
517.2165	165	70.0	342.0	715.0	39.56
517.2170	170	70.0	342.0	715.0	37.76
517.2175	175	70.0	342.0	715.0	36.84
517.2180	180	70.0	392.0	715.0	37.00
517.2185	185	70.0	392.0	715.0	36.00
517.2190	190	78.0	392.0	800.0	53.30
517.2195	195	78.0	392.0	800.0	52.90
517.2200	200	78.0	392.0	800.0	52.50
517.2205	205	78.0	392.0	800.0	52.50
517.2210	210	78.0	392.0	800.0	51.70
517.2220	220	72.0	415.0	800.0	51.30
517.2251	1.1/16"	16.3	56.0	181.0	0.39
517.2254	1.1/8"	16.3	56.0	181.0	0.39
517.2255	1.3/16"	16.7	62.0	188.0	0.47
517.2253	1.1/4"	16.7	62.0	188.0	0.46
517.2258	1.5/16"	17.2	66.0	196.0	0.54
517.2257	1.3/8"	17.2	66.0	196.0	0.55
517.2260	1.7/16"	18.2	76.0	211.0	0.71
517.2252	1.1/2"	18.2	76.0	211.0	0.70
517.2262	1.9/16"	19.2	88.0	227.0	1.25
517.2259	1.5/8"	19.2	88.0	227.0	0.98
517.2263	1.11/16"	19.2	88.0	227.0	0.98
517.2256	1.3/4"	19.2	88.0	227.0	0.99
517.2264	1.13/16"	19.7	98.0	256.0	1.27
517.2261	1.7/8"	19.7	98.0	256.0	1.27
517.2265	1.15/16"	21.2	106.5	281.0	1.05
517.2266	2"	21.2	106.5	281.0	1.59
517.2267	2.1/16"	21.2	106.5	281.0	1.64
517.2270	2.1/8"	21.2	106.5	281.0	1.56
517.2271	2.3/16"	23.6	117.0	310.0	2.12
517.2269	2.1/4"	23.6	117.0	310.0	2.10
517.2274	2.5/16"	23.6	117.0	310.0	1.90
517.2273	2.3/8"	23.6	128.0	321.0	2.47
517.2276	2.7/16"	23.6	128.0	321.0	2.40
517.2268	2.1/2"	23.6	128.0	321.0	2.60
517.2278	2.9/16"	27.6	139.0	351.0	3.49
517.2275	2.5/8"	27.6	139.0	351.0	3.27
517.2272	2.3/4"	29.6	150.0	370.0	4.28
517.2279	2.13/16"	29.6	150.0	370.0	4.20
517.2277	2.7/8"	29.6	150.0	370.0	4.20
517.2280	2.15/16"	31.0	161.5	390.0	4.10
517.2281	3"	31.0	161.5	390.0	4.88
517.2284	3.1/8"	34.0	172.5	406.0	5.95
517.2283	3.1/4"	34.0	172.5	406.0	5.80
517.2286	3.3/8"	34.0	172.5	406.0	5.64
517.2282	3.1/2"	38.4	194.0	456.0	8.91
517.2287	3.5/8"	38.4	194.0	456.0	7.80
517.2285	3.3/4"	38.4	194.0	456.0	8.56
517.2288	3.7/8"	46.3	225.5	500.0	13.47
517.2289	4"	46.3	225.5	500.0	13.64
517.2292	4.1/8"	46.3	225.5	500.0	13.64
517.2291	4.1/4"	47.0	235.0	510.0	14.10
517.2290	4.1/2"	47.0	235.0	510.0	18.98
517.2293	4.3/4"	50.0	255.0	545.0	16.40
517.2294	5"	50.0	255.0	545.0	15.50
517.2296	5.3/8"	55.0	275.0	575.0	19.80
517.2295	5.3/4"	55.0	275.0	575.0	18.90
517.2297	6"	60.0	305.0	640.0	26.70

Intermediate sizes are also available upon request.

DOUBLE OPEN ENDED SPANNERS

CLASSIC Double open ended spanners

- DIN 3110 / ISO 1085 / ISO 10102 / ISO 3318
- Jaw 15° offset
- Ground heads
- Matt finish
- Chrome vanadium



	mm	A mm	B1 mm	B2 mm	L mm	kg
517.0738	3,2x5,5	3.0	10.5	12.0	97.0	11
517.0739	4x5	4.0	14.0	16.0	125.0	21
517.0745	5,5x7	3.6	15.7	17.7	122.0	17
517.0701	6x7	3.7	15.5	18.0	122.0	20
517.0702	8x9	4.0	20.4	22.7	140.0	40
517.0740	8x10	4.0	18.0	22.0	140.0	30
517.0746	9x10	3.9	20.8	22.9	140.0	45
517.0747	9x11	4.8	23.9	26.9	156.0	45
517.0704	10x11	5.0	24.9	27.1	157.0	50
517.0741	10x12	5.5	22.0	28.0	162.0	60
517.0706	10x13	5.0	24.9	31.2	157.0	70
517.0748	10x14	5.3	28.0	31.0	172.0	65
517.0742	11x13	5.0	25.0	29.0	172.0	69
517.0749	11x14	5.3	28.0	31.0	172.0	75
517.0707	12x13	5.0	29.2	31.2	172.0	70
517.0751	12x14	5.3	28.0	31.0	172.0	75
517.0743	13x14	6.0	30.0	31.5	188.0	90
517.0752	13x15	5.7	32.5	34.9	190.0	95
517.0708	13x17	6.0	31.2	38.9	172.0	120
517.0709	14x15	5.5	33.3	35.3	190.0	100
517.0753	14x17	2.9	32.1	38.2	204.0	120
517.0710	16x17	6.0	37.1	38.9	205.0	130
517.0744	16x18	6.5	36.0	40.0	220.0	150
517.0711	17x19	6.5	38.9	42.8	222.0	180
517.0756	17x22	6.8	44.9	48.4	236.0	200
517.0712	18x19	6.5	40.9	42.8	222.0	180
517.0755	18x21	6.9	40.2	46.4	236.0	200
517.0714	20x22	7.0	45.5	49.5	236.0	230
517.0713	19x22	7.0	42.8	49.5	236.0	200
517.0757	19x24	7.3	42.3	52.5	250.0	250
517.0715	21x23	7.5	47.0	51.0	250.0	220
517.0758	21x24	7.3	47.4	51.5	250.0	250
517.0736	22x24	7.5	49.5	54.5	250.0	260
517.0762	22x27	7.8	48.4	58.6	265.0	320
517.0761	24x26	7.8	51.6	52.5	265.0	330
517.0716	24x27	8.0	54.5	61.0	266.0	330
517.0764	24x30	8.1	52.5	64.8	280.0	395
517.0737	25x28	8.5	65.0	61.0	280.0	360
517.0765	27x29	8.1	58.6	64.8	280.0	460
517.0766	27x30	8.1	58.6	64.4	280.0	475
517.0767	27x32	8.6	59.7	69.9	302.0	500
517.0718	30x32	9.0	65.5	69.0	302.0	510
517.0768	30x34	8.6	64.8	73.0	302.0	540
517.0769	30x36	9.5	64.8	76.7	326.0	630
517.0771	32x36	9.5	69.5	76.7	326.0	630
517.0725	36x41	10.0	77.0	85.0	380.0	950
517.0726	41x46	10.7	86.5	95.5	400.0	1150
517.0728	46x50	11.6	97.0	103.0	420.0	1920
517.0772	55x60	16.5	110.0	120.0	565.0	3000
517.0781	1/4x5/16"	3.9	17.7	20.8	120.0	25
517.0782	5/16x3/8"	3.9	20.8	22.9	140.0	35
517.0783	3/8x7/16"	4.8	23.9	26.9	156.0	45
517.0784	7/16x1/2"	5.3	28.0	31.0	172.0	85
517.0785	1/2x9/16"	5.7	32.5	34.9	190.0	95
517.0786	9/16x5/8"	5.7	32.5	34.9	190.0	103
517.0787	19/32x11/16"	5.9	36.1	39.2	204.0	132
517.0788	5/8x11/16"	5.9	36.1	39.2	204.0	132
517.0789	11/16x3/4"	6.5	40.2	42.3	223.0	174
517.0791	5/8x3/4"	6.5	40.2	42.3	223.0	174

	mm	A mm	B1 mm	B2 mm	L mm	kg
517.0792	3/4x25/32"	6.8	44.9	48.4	236.0	230
517.0793	3/4x7/8"	6.8	44.9	48.8	236.0	230
517.0794	13/16x7/8"	6.8	44.9	48.8	236.0	230
517.0795	15/16x1"	7.8	51.6	52.5	265.0	315
517.0796	1x1.1/8"	8.1	55.2	61.3	280.0	405
517.0797	1.1/16x1.1/4"	8.6	59.7	69.9	302.0	440

CLASSIC Double open ended spanner set

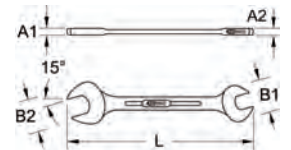
- DIN 3110 / ISO 1085 / ISO 10102 / ISO 3318
- Jaw 15° offset
- Ground heads
- Matt finish
- Chrome vanadium



	pcs	mm	kg
517.0145	5 pcs	8x9 - 10x11 - 12x13 - 16x17 - 18x19 mm	0.50
517.0148	8 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm	0.81
517.0149	10 pcs	8x10 - 10x12 - 13x17 - 14x15 - 16x18 - 17x19 - 20x22 - 21x23 - 24x27 - 30x32 mm	1.95
517.0123	11 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 30x32 mm	1.60
517.0125	12 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm	2.40

CHROMEplus® Double open ended spanner

- DIN 3110 / ISO 3318 / ISO 1085 / ISO 10102
- Jaw 15° offset
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0701	6x7	4.5	4.6	14.3	16.1	108.0	27
518.0702	8x9	5.0	5.5	17.1	19.1	12	

CHROMEplus® Double open ended spanner set

- DIN 3110 / ISO 3318 / ISO 1085 / ISO 10102
- Jaw 15° offset
- Mirror polished chrome
- Chrome vanadium



					kg
518.0747	7 pcs	8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm			1.03
518.0743	3 pcs	21x23 - 24x27 - 30x32 mm			1.42
518.3220	6 pcs	1/4"x5/16" - 3/8"x7/16" - 1/2"x9/16" - 5/8"x11/16" - 11/16"x3/4" - 3/4"x7/8"			0.80
518.3200	8 pcs	1/4"x5/16" - 3/8"x7/16" - 1/2"x9/16" - 5/8"x11/16" - 11/16"x3/4" - 3/4"x7/8" - 15/16"x1" - 1.1/8"x1.1/4"			1.90

Double open ended spanner

- DIN 895 / ISO 3318 / ISO 1085
- Jaw 15° offset
- For heavy duty applications
- Phosphate finish
- Chrome vanadium



	mm	A mm	B1 mm	B2 mm	L mm	kg
517.1406	6x7	3.2	15.0	17.0	96.0	10
517.1407	7x8	3.5	17.0	19.0	110.0	20
517.1408	8x9	3.7	19.0	20.5	108.0	15
517.2408	8x10	4.2	19.0	22.0	115.0	26
517.1409	9x10	4.3	18.8	23.3	118.0	30
517.2409	9x11	5.0	20.5	24.0	125.0	30
517.1410	10x11	5.0	22.0	24.5	124.0	30
517.2410	10x12	5.0	22.0	26.8	125.0	34
517.1411	10x13	5.0	22.0	28.5	128.0	40
517.2401	10x14	5.0	22.0	30.0	140.0	50
517.2411	11x13	5.5	24.5	28.5	140.0	45
517.1412	12x13	5.5	26.5	28.5	140.0	40
517.2412	12x14	5.5	26.5	30.0	140.0	50
517.1413	13x14	5.5	28.5	30.0	140.0	40
517.2413	13x15	5.5	28.5	32.0	150.0	60
517.1415	13x17	6.0	28.5	36.0	158.0	70
517.1414	14x15	5.5	30.0	32.0	154.0	60
517.2414	14x17	6.0	30.0	36.0	160.0	70
517.1416	16x17	6.0	33.0	36.0	158.0	80
517.1417	17x19	7.0	36.0	40.0	171.0	100
517.2417	17x22	8.0	36.0	46.0	190.0	145
517.1418	18x19	7.0	38.0	40.0	171.0	100
517.1419	19x22	8.0	40.0	46.0	195.0	135
517.2419	19x24	9.0	40.0	50.0	215.0	140
517.1420	20x22	8.0	42.5	46.0	195.0	135
517.2421	21x23	9.0	44.0	49.0	215.0	180
517.1422	22x24	9.0	46.0	50.0	221.0	180
517.2422	22x27	10.0	46.0	56.0	235.0	230
517.1423	24x27	9.8	50.0	56.0	246.0	270
517.1425	25x28	9.8	53.0	58.0	246.0	330
517.1426	27x30	10.8	56.0	62.0	275.0	400
517.2427	27x32	12.0	56.0	66.0	270.0	370
517.1430	30x32	11.8	62.0	66.0	278.0	400
517.2430	30x36	13.0	62.0	74.0	305.0	500

	mm	A mm	B1 mm	B2 mm	L mm	kg
517.1432	32x36	12.8	66.0	74.0	310.0	520
517.1436	36x41	13.8	74.0	84.0	347.0	680
517.1441	41x46	14.8	84.0	94.0	383.0	950
517.1446	46x50	15.8	94.0	102.0	420.0	1200
517.1450	50x55	16.5	102.0	112.0	450.0	1400
517.1455	55x60	18.0	112.0	122.0	480.0	1900
517.1465	65x70	20.0	132.0	142.0	580.0	2310
517.1475	75x80	21.0	152.0	162.0	665.0	4480

Double open ended spanner set

- DIN 895 / ISO 3318 / ISO 1085
- Jaw 15° offset
- For heavy duty applications
- Phosphate finish
- Chrome vanadium

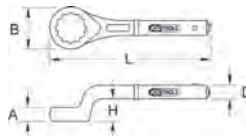


				kg
517.1490	8 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm		0.57
517.1491	10 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 24x27 - 30x32 mm		1.41

SINGLE RING ENDED SPANNER

CLASSIC offset single ring spanner

- FlankTraction Profile
- Ring head 75° offset
- With shaft for snap-on handle
- With locking pin
- Heavy duty to deliver maximum torque
- Matt finish
- Chrome vanadium



	mm	A mm	B mm	D mm	H mm	L mm	kg
517.9022	22	17.0	38.0	18.3	29.0	180.0	0.37
517.9024	24	17.0	38.0	19.0	29.5	180.0	0.35
517.9027	27	17.0	42.0	19.0	31.5	190.0	0.40
517.9030	30	18.0	48.0	19.0	33.5	195.0	0.45
517.9032	32	18.0	49.0	21.8	34.0	200.0	0.55
517.9036	36	18.0	49.0	21.8	34.0	200.0	0.65
517.9041	41	20.0	54.0	21.8	35.5	205.0	0.75
517.9046	46	22.0	62.0	25.0	39.5	265.0	1.05
517.9050	50	23.0	69.0	25.0	40.0	280.0	1.15
517.9055	55	25.5	76.0	25.0	42.5	290.0	1.40
517.9060	60	28.0	81.0	30.0	45.5	300.0	2.10

	mm	A mm	B mm	D mm	H mm	L mm	kg
517.9065	65	30.5	90.0	30.0	49.0	345.0	2.30
517.9070	70	33.0	98.0	30.0	53.0	355.0	2.60
517.9075	75	35.5	105.0	30.0	55.0	365.0	3.00
517.9080	80	38.0	110.0	30.0	57.5	375.0	3.45
517.9085	85	40.5	125.0	30.0	59.0	385.0	3.80
517.9090	90	45.0	140.0	30.0	63.0	410.0	4.88
517.9095	95	45.0	140.0	30.0	63.0	410.0	5.67
517.9100	100	47.0	140.0	30.0	63.0	412.0	6.66
517.9105	105	47.0	143.0	30.0	63.0	415.0	7.50
517.9111	1"	17.0	38.0	18.3	29.0	180.0	0.37
517.9112	1.1/16"	17.0	38.0	18.3	31.5	185.0	0.41
517.9115	1.1/8"	17.0	38.0	18.3	33.0	185.0	0.41
517.9116	1.3/16"	18.0	48.0	18.3	33.0	195.0	0.49
517.9114	1.1/4"	18.0	49.0	21.3	34.0	230.0	0.72
517.9119	1.5/16"	20.0	54.0	21.3	34.0	240.0	0.72
517.9118	1.3/8"	20.0	54.0	21.3	35.0	240.0	0.84
517.9121	1.7/16"	20.0	54.0	21.3	35.0	250.0	0.84
517.9113	1.1/2"	20.0	54.0	21.3	39.0	240.0	0.84
517.9123	1.9/16"	23.0	69.0	21.3	39.0	250.0	0.94
517.9120	1.5/8"	23.0	69.0	21.3	39.0	250.0	0.94
517.9124	1.11/16"	23.0	69.0	21.3	39.0	250.0	0.94
517.9117	1.3/4"	22.0	62.0	21.4	40.0	250.0	0.94
517.9125	1.13/16"	23.0	69.0	24.1	40.0	260.0	1.30
517.9122	1.7/8"	23.0	69.0	24.1	40.0	260.0	1.30
517.9126	2"	28.0	81.0	24.1	42.0	270.0	1.45
517.9127	2.1/16"	28.0	81.0	24.1	42.0	270.0	1.45
517.9130	2.1/8"	28.0	81.0	24.1	45.0	270.0	1.45
517.9131	2.3/16"	28.0	81.0	24.1	45.0	270.0	1.50
517.9129	2.1/4"	28.0	81.0	24.1	45.0	270.0	1.50
517.9134	2.5/16"	30.5	90.0	29.1	49.0	325.0	2.40
517.9133	2.3/8"	30.5	90.0	29.1	49.0	325.0	2.40
517.9135	2.7/16"	30.5	90.0	29.1	49.0	345.0	2.60
517.9128	2.1/2"	30.5	90.0	29.1	53.0	325.0	2.40
517.9136	2.9/16"	30.5	90.0	29.1	53.0	345.0	2.60
517.9132	2.3/4"	30.5	90.0	29.1	55.0	345.0	2.80
517.9137	2.13/16"	38.0	110.0	29.1	55.0	375.0	3.00
517.9138	2.15/16"	38.0	110.0	29.1	57.5	375.0	3.00
517.9139	3"	38.0	110.0	29.1	57.5	375.0	3.00
517.9142	3.1/8"	40.5	125.0	29.1	59.0	385.0	4.10
517.9141	3.1/4"	40.5	125.0	29.1	59.0	385.0	4.10
517.9144	3.3/8"	40.5	125.0	29.1	59.0	385.0	4.10
517.9140	3.1/2"	40.5	125.0	29.1	63.0	385.0	4.10
517.9145	3.5/8"	45.0	140.0	29.1	63.0	410.0	4.95
517.9143	3.3/4"	45.0	140.0	29.1	63.0	410.0	4.95
517.9146	3.7/8"	45.0	140.0	29.1	63.0	410.0	4.95
517.9147	4"	45.0	140.0	29.1	63.0	412.0	4.95
517.9148	4.1/8"	45.0	140.0	29.1	63.0	415.0	4.95



Snap-on handle for single ring spanner

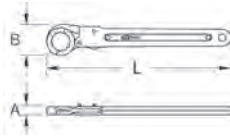
- Four different sizes
- Matt finish
- Chrome vanadium



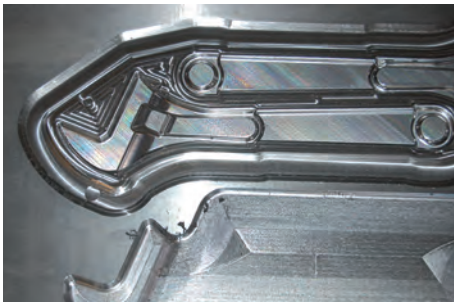
	mm	D mm	L mm	#	kg
517.9001	24 - 30	19.0	460.0	1	0.75
517.9002	32 - 41	22.0	610.0	2	1.25
517.9003	46 - 55	25.0	760.0	3	2.30
517.9004	46 - 55	25.0	860.0	4	2.80
517.9005	60 - 105	30.0	860.0	5	3.15

Ratchet ring spanner, clamp head

- 12 point
- Straight form
- Hanging hole
- From 27 mm with rubber handle
- Chrome plated handle
- Head phosphate finish
- Chrome vanadium



	mm	A mm	B mm	L mm	G
500.5007	7	7.0	21.0	137.0	81
500.5008	8	7.0	21.0	137.0	83
500.5009	9	7.0	22.0	137.0	83
500.5010	10	7.0	22.0	137.0	82
500.5011	11	7.0	24.0	139.0	85
500.5012	12	7.0	28.0	140.0	88
500.5013	13	7.0	28.0	140.0	88
500.5014	14	7.0	28.0	140.0	88
500.5016	16	9.5	30.0	187.0	145
500.5017	17	9.5	31.0	187.0	145
500.5018	18	10.0	34.0	190.0	150
500.5019	19	10.0	36.0	190.0	157
500.5022	22	13.0	40.0	234.0	293
500.5024	24	13.0	43.0	234.0	299
500.5027	27	13.0	47.0	240.0	313
500.5030	30	16.0	56.0	325.0	610
500.5032	32	16.0	59.0	325.0	615



Ratchet ring spanner set, clamp head

- 12 point
- Straight form
- Hanging hole
- From 27 mm with rubber handle
- Chrome plated handle
- Head phosphate finish
- Chrome vanadium

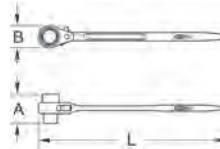


	mm	G
500.5606	6 pcs 10 - 11 - 13 - 17 - 19 - 22 mm	980



Scaffold spanner, reversing

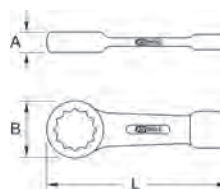
- FlankTraction profile (12 point)
- Exact gearing with 32 teeth
- Centering pin at the handle end
- Extremely substantial
- Reversible
- Phosphate finish
- Chrome vanadium



	mm	A mm	B mm	L mm	G
522.1013	10x13	36.5	31.0	240.0	200
522.1317	13x17	44.2	34.0	280.0	270
522.1618	16x18	49.0	42.1	315.0	450
522.1719	17x19	49.3	42.3	315.0	450
522.1922	19x22	49.5	42.3	315.0	450
522.1924	19x24	54.0	51.3	360.0	750
522.2427	24x27	54.0	51.6	360.0	750
522.2430	24x30	62.2	64.5	450.0	1280
522.3036	30x36	67.0	65.2	450.0	1300
522.3236	32x36	67.1	65.4	450.0	1300

Slogging ring spanner

- FlankTraction profile (12 point)
- DIN 7444
- Impact area
- For heavy duty applications
- Phosphate finish
- Chrome vanadium



	mm	A mm	B mm	L mm	G
517.0922	22	15.0	43.0	165.0	0.22
517.0924	24	15.0	42.5	160.0	0.26
517.0927	27	15.5	47.0	180.0	0.33
517.0930	30	16.5	51.5	190.0	0.39
517.0932	32	16.5	54.0	195.0	0.53
517.0936	36	19.5	60.0	205.0	0.67
517.0941	41	20.5	66.0	225.0	0.79
517.0946	46	22.5	75.0	240.0	1.00
517.0950	50	23.5	80.0	250.0	1.09
517.0955	55	25.0	87.5	270.0	1.45
517.0960	60	26.0	93.5	270.0	1.58
517.0965	65	29.0	101.0	290.0	2.58
517.0970	70	32.5	109.5	320.0	2.58
517.0975	75	34.0	114.5	325.0	3.01

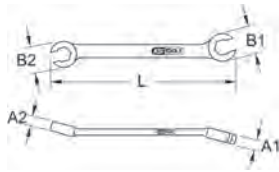
	mm	A mm	B mm	L mm	G
517.0980	80	35.0	123.0	345.0	3.52
517.0985	85	37.0	129.0	360.0	3.90
517.0990	90	41.5	152.0	400.0	6.37
517.0995	95	41.5	152.0	400.0	6.29
517.0996	100	41.5	152.0	400.0	6.03
517.1905	105	47.5	172.0	435.0	8.66
517.1910	110	47.5	172.0	435.0	8.44
517.1915	115	47.5	172.0	435.0	8.16
517.1920	120	54.0	182.0	480.0	9.86
517.1925	125	54.0	182.0	480.0	9.67
517.1930	130	58.0	202.0	520.0	12.30
517.1935	135	58.0	202.0	520.0	11.79
517.1940	140	58.0	202.0	520.0	11.96
517.1945	145	64.0	228.0	580.0	18.55
517.1950	150	64.0	228.0	580.0	17.98
517.1955	155	64.0	228.0	580.0	16.94
517.1960	160	64.0	228.0	580.0	17.89
517.1965	165	70.0	265.0	650.0	26.66
517.1970	170	70.0	265.0	650.0	26.31
517.1975	175	70.0	265.0	650.0	25.92
517.1980	180	70.0	265.0	650.0	24.60
517.1985	185	75.0	290.0	700.0	33.00
517.1990	190	75.0	290.0	700.0	32.60
517.1995	195	75.0	290.0	700.0	31.80
517.2900	200	75.0	290.0	700.0	32.00
517.2905	205	80.0	320.0	750.0	40.50
517.2910	210	80.0	320.0	750.0	39.50
517.2915	215	80.0	320.0	750.0	39.00
517.2920	220	80.0	320.0	750.0	37.40
517.2930	230	80.0	320.0	750.0	35.40
517.2951	1.1/16"	15.5	47.0	180.0	0.33
517.2954	1.1/8"	15.5	47.0	180.0	0.32
517.2955	1.3/16"	16.5	51.5	190.0	0.39
517.2953	1.1/4"	16.5	51.5	190.0	0.39
517.2958	1.5/16"	16.5	53.0	195.0	0.42
517.2957	1.3/8"	16.5	53.0	195.0	0.41
517.2960	1.7/16"	19.5	60.0	205.0	0.66
517.2952	1.1/2"	19.5	60.0	205.0	0.64
517.2962	1.9/16"	20.5	66.0	225.0	0.70
517.2959	1.5/8"	20.5	66.0	225.0	0.82
517.2963	1.11/16"	20.5	66.0	225.0	0.77
517.2956	1.3/4"	20.5	66.0	225.0	0.77
517.2964	1.13/16"	22.5	75.0	240.0	0.98
517.2961	1.7/8"	22.5	75.0	240.0	0.99
517.2965	1.15/16"	23.5	80.0	250.0	1.10
517.2966	2"	23.5	80.0	250.0	1.09
517.2967	2.1/16"	23.5	80.0	250.0	1.08
517.2970	2.1/8"	23.5	80.0	250.0	1.04
517.2971	2.3/16"	25.0	87.5	270.0	1.43
517.2969	2.1/4"	25.0	87.5	270.0	1.40
517.2974	2.5/16"	26.0	93.5	270.0	1.64
517.2973	2.3/8"	26.0	93.5	270.0	1.62
517.2976	2.7/16"	26.0	93.5	270.0	1.53
517.2968	2.1/2"	29.0	101.0	290.0	1.64
517.2978	2.9/16"	29.0	101.0	290.0	2.08
517.2975	2.5/8"	29.0	101.0	290.0	2.04
517.2972	2.3/4"	32.5	109.5	320.0	2.55
517.2979	2.13/16"	32.5	109.5	320.0	2.95
517.2977	2.7/8"	32.5	109.5	320.0	2.95
517.2980	2.15/16"	34.0	114.5	325.0	2.80
517.2981	3"	34.0	114.5	325.0	3.01
517.2984	3.1/8"	35.0	123.0	345.0	3.37
517.2983	3.1/4"	36.0	126.0	360.0	4.00
517.2986	3.3/8"	36.0	126.0	360.0	3.79
517.2982	3.1/2"	40.0	142.0	390.0	5.13
517.2987	3.5/8"	40.0	142.0	390.0	5.30
517.2985	3.3/4"	41.5	152.0	400.0	6.13
517.2988	3.7/8"	45.0	155.0	420.0	6.15
517.2989	4"	45.0	155.0	420.0	6.43
517.2992	4.1/8"	45.0	155.0	420.0	6.21
517.2991	4.1/4"	48.0	170.0	450.0	8.30
517.2990	4.1/2"	48.0	170.0	450.0	7.48
517.2993	4.3/4"	54.0	182.0	480.0	9.90
517.2994	5"	54.0	182.0	480.0	9.50
517.2995	5.1/8"	58.0	202.0	520.0	12.70
517.2997	5.3/8"	58.0	202.0	520.0	12.70
517.2996	5.3/4"	64.0	228.0	580.0	19.30
517.2998	6"	64.0	228.0	580.0	19.30

Intermediate sizes are also available upon request.

OPEN DOUBLE RING SPANNERS

CLASSIC Open double ring spanner, offset

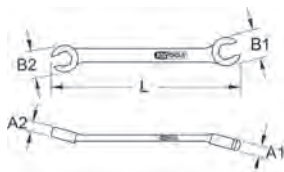
- 6 point
- DIN 3118
- Jaw 15° offset
- Opening 15° cranked
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	G
517.0252	8x10	6.6	6.7	17.6	19.8	143.0	45
517.0253	9x11	7.6	7.4	21.3	22.9	152.0	50
517.0254	10x11	7.6	7.4	21.3	22.9	152.0	60
517.0255	10x12	7.6	7.4	21.3	22.9	152.0	80
517.0257	12x13	8.8	9.0	23.1	23.8	156.0	100
517.0258	12x14	10.0	9.9	25.3	27.6	178.0	110
517.0260	14x15	11.4	11.5	30.0	32.1	196.0	120
517.0261	14x17	11.4	11.5	30.0	32.1	196.0	140
517.0263	16x18	11.4	11.5	30.0	32.1	196.0	160
517.0264	17x19	11.4	11.5	30.0	32.1	196.0	180
517.0265	19x21	13.5	13.1	34.1	37.6	207.0	240
517.0266	19x22	13.5	13.1	34.1	37.6	207.0	240
517.0267	22x24	13.5	17.0	37.6	46.0	252.0	320
517.0268	24x27	17.0	16.2	46.0	42.3	264.0	430
517.0269	30x32	22.4	20.4	46.3	44.8	283.0	700

CHROMEplus® Open double ring spanner, offset

- 6 point
- DIN 3118
- Jaw 15° offset
- Opening 15° cranked
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	G
518.0511	6x8	6.6	6.7	17.6	19.8	143.0	50
518.0512	8x12	6.7	7.4	19.8	21.3	147.0	50
518.0513	9x11	7.6	7.4	21.3	22.9	152.0	60
518.0523	10x11	7.6	7.4	21.3	22.9	152.0	60
518.0514	10x12	7.6	7.4	21.3	22.9	152.0	60
518.0524	12x13	8.8	9.0	23.1	23.8	156.0	80
518.0515	13x14	10.0	9.9	25.3	25.3	178.0	120
518.0525	14x15	11.4	11.5	30.0	30.0	196.0	170
518.0526	14x17	11.4	11.5	30.0	30.0	196.0	170
518.0516	15x17	11.4	11.5	30.0	30.0	196.0	170
518.0517	16x18	11.4	11.5	30.0	30.0	196.0	170
518.0518	17x19	11.4	11.5	30.0	30.0	196.0	170
518.0519	19x21	13.5	13.1	34.1	34.1	207.0	220
518.0520	19x22	13.5	13.1	34.1	34.1	207.0	220
518.0521	24x27	17.0	16.2	46.0	46.0	264.0	360
518.0522	30x32	22.4	20.4	46.3	46.3	283.0	480
518.0501	1/4"x5/16"	6.6	6.7	17.6	19.8	143.0	50
518.0503	3/8"x7/16"	7.6	7.4	21.3	22.9	152.0	60
518.0506	7/16"x1/2"	8.8	9.0	23.1	23.8	158.0	80
518.0504	1/2"x9/16"	10.0	9.9	25.3	27.6	178.0	120
518.0505	5/8"x11/16"	11.4	11.5	30.0	32.1	196.0	170
518.0507	3/4"x7/8"	13.5	13.1	34.1	37.6	207.0	220

CHROMEplus® Open double ring spanner set, offset

- 6 point
- Ring head 30° offset
- Spanner has double sized head
- Heavy duty head
- For brake pipe couplers
- No slippage
- Chrome plated and mirror polished
- Chrome vanadium

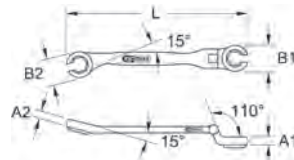


	mm	A1 mm	A2 mm	B1 mm	B2 mm	C1 mm	C2 mm	L mm	G
517.0270	10x11	10.5	11.2	17.8	20.0	6.0	6.1	175.0	80

OPEN DOUBLE RING SPANNERS WITH FLEXIBLE JOINT

CHROMEplus® open double ring spanner, with flexible joint

- 6 point
- Ring head 15° offset
- Opening 15° cranked
- With flexible head
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	G
518.0378	8	7.0	7.0	18.0	18.0	128.0	50
518.0379	9	7.0	7.0	18.0	18.0	128.0	50
518.0380	10	7.0	7.0	18.0	18.0	128.0	50
518.0381	11	9.0	9.0	22.0	22.0	148.0	120
518.0382	12	9.0	9.0	22.0	22.0	148.0	120
518.0383	13	11.0	11.0	26.0	26.0	175.0	140
518.0384	14	11.0	11.0	26.0	26.0	175.0	140
518.0387	17	13.0	13.0	32.0	32.0	190.0	200
518.0389	19	13.0	13.0	32.0	32.0	190.0	200

CHROMEplus® open double ring spanner set, with flexible joint

- 6 point
- Ring head 15° offset
- Opening 15° cranked
- With flexible head
- Chrome plated and mirror polished
- Chrome vanadium

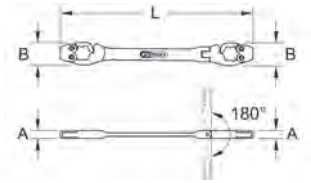


	mm	G
518.0350	3 pcs 10 - 11 - 12 mm	240
518.0360	5 pcs 8 - 9 - 10 - 11 - 12 mm	420
518.0370	3 pcs 14 - 17 - 19 mm	620

OPEN RATCHET DOUBLE RING SPANNER SET WITH FLEXIBLE JOINT

CHROMEplus® ratchet spanner with revolving head

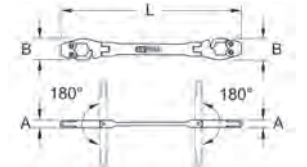
- 6 point
- Straight form
- 180° revolving head
- With ratchet function
- Suitable for force fit applications
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A mm	B mm	L mm	G
518.0321	11	10.3	19.0	155.0	115

CHROMEplus® ratchet spanner with revolving head

- 6 point
- Straight form
- 180° revolving head
- Ratchet function
- Suitable for force fit applications
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A mm	B mm	L mm	G
518.0332	8x9	8.5	14.8	123.0	56
518.0334	10x11	10.0	18.4	156.0	116
518.0336	12x13	11.2	21.1	179.0	170
518.0338	14x15	12.1	24.6	208.0	240

CHROMEplus® ratchet spanner set with revolving head

- 6 point
- Straight form
- 180° revolving head
- Ratchet function
- Suitable for force fit applications
- Chrome plated and mirror polished
- Chrome vanadium

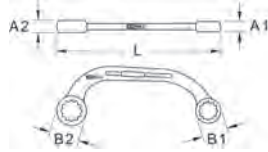


	mm	G
518.0330	4 pcs 8x9 - 10x11 - 12x13 - 14x15 mm	600

DOUBLE RING SPANNERS

CHROMEplus® Starter and block spanner

- FlankTraction profile (12 point)
- Especially suitable for narrow hard to access areas
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
518.0852	10x12	6.5	6.6	15.6	17.9	142.0	57
518.0853	11x13	8.0	8.2	17.9	20.7	164.0	90
518.0856	14x17	8.2	9.2	21.4	25.1	190.0	133
518.0857	16x18	8.8	9.6	24.8	27.7	216.0	166
518.0859	19x22	10.0	11.1	27.6	33.0	255.0	244

CHROMEplus® half moon - and manifold spanner set

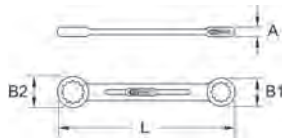
- FlankTraction profile
- Especially suitable for narrow hard to access areas
- Chrome plated and mirror polished
- Chrome vanadium



	mm	g
518.0850	5 pcs 10x12 - 11x13 - 14x17 - 16x18 - 19x22 mm	860

ULTIMATEplus double ring ended spanner

- FlankTraction profile (12 point)
- In accordance to DIN / ISO
- Straight form
- Matt finish
- Chrome vanadium



	mm	A mm	B1 mm	B2 mm	L mm	g
920.0406	6x7	4.5	10.0	11.5	99.0	10
920.0408	8x9	5.2	13.0	11.5	114.0	15
920.0410	10x11	5.8	16.0	17.0	131.0	28
920.0412	12x13	6.4	19.0	20.5	149.0	35
920.0414	14x15	7.2	21.5	23.0	161.0	50
920.0416	16x17	7.8	24.5	25.5	169.0	65
920.0417	17x19	8.5	25.5	28.0	186.0	80
920.0418	18x19	8.5	27.0	28.0	186.0	80
920.0419	19x22	9.4	28.0	32.5	209.0	115
920.0420	20x22	9.4	29.5	32.5	209.0	120
920.0421	21x23	10.0	30.5	33.5	233.0	145
920.0422	22x24	10.0	32.5	35.5	233.0	150
920.0424	24x26	10.8	35.5	38.0	261.0	190
920.0425	24x27	10.8	35.5	39.0	260.0	200
920.0426	25x28	11.6	36.5	41.0	289.0	240
920.0427	27x32	12.6	39.0	46.0	320.0	320
920.0430	30x32	12.6	43.5	46.0	320.0	340

ULTIMATEplus straight double open ended spanner set

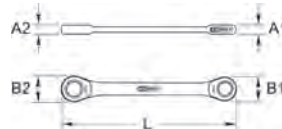
- FlankTraction profile (12 point)
- In accordance to DIN / ISO
- Straight form
- Matt finish
- Chrome vanadium



	mm	g
920.0448	8 pcs 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm	0.66
920.0450	12 pcs 6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30x32 mm	1.69

GEARplus® Double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.4502	8x9	6.5	6.9	16.8	20.2	128.0	60
503.4511	8x10	7.3	6.5	20.0	17.0	128.0	40
503.4503	10x11	7.3	7.7	20.2	20.2	150.0	80
503.4512	10x13	7.3	8.6	20.2	20.2	150.0	80
503.4504	12x13	8.2	8.6	23.0	23.0	170.0	100
503.4505	14x15	9.0	9.4	26.5	26.5	190.0	140
503.4506	16x18	9.9	10.7	29.5	29.5	210.0	180
503.4507	17x19	10.3	11.2	31.5	31.5	230.0	220
503.4402	5/16"x3/8"	6.5	7.3	16.8	20.2	128.0	40
503.4403	7/16"x1/2"	7.7	8.6	23.0	24.8	170.0	80
503.4404	9/16"x5/8"	9.0	9.9	26.5	29.5	190.0	125
503.4405	11/16"x3/4"	10.3	11.2	31.5	33.5	230.0	200

GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



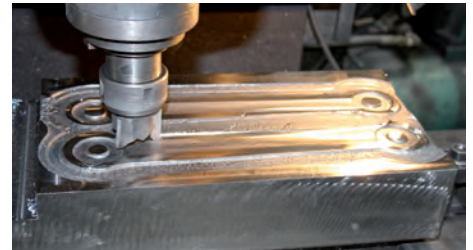
	mm	g
503.4552	2 pcs 10x13 - 17x19 mm	790

GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- Supplied in a leather pouch



	mm	g
503.4557	6 pcs 8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	790



GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



	mm	g
503.4556	6 pcs GEARplus® double ratchet ring spanner set	790
6 x	8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	

GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Square drive adaptor to DIN 3120- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

		GEARplus® double ratchet ring spanner set			
503.4560	10 pcs			790	
6 x		8x9 - 10x11 - 12x13 - 14x15 - 16x18	17x19 mm		
1 x		1/4"			
3 x		1/4" - 3/8" - 1/2"			

4 in 1 GEARplus® reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Four different sizes on each spanner
- With reverse lever
- High quality finish
- Chrome vanadium

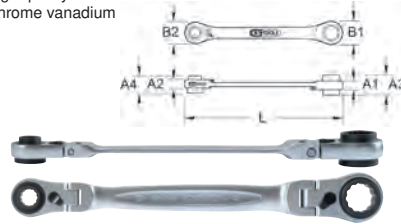


	mm	A1 mm	A2 mm	A3 mm	A4 mm	B1 mm	B2 mm	L mm	g
503.4541	8x11-9x10	7.7	7.3	14.6	13.8	21.8	20.0	150.0	68
503.4656	8x10-12x13	8.6	7.3	16.8	13.8	24.8	16.8	150.0	86
503.4543	12x15-13x14	9.4	9.0	18.0	17.1	29.5	18.0	190.0	147
503.4565	10x19-13x17	11.2	9.0	21.9	17.1	33.6	21.9	190.0	196
503.4546	16x19-17x18	11.2	10.3	21.9	20.2	33.5	21.9	230.0	244
503.4657	14x17-18x19	11.2	10.3	21.9	19.3	33.5	21.9	230.0	245
503.4553	21x27-22x24	16.0	13.0	30.0	26.0	52.0	40.0	275.0	610
503.4554	30x36-32x34	18.0	18.0	36.0	35.0	65.0	62.0	360.0	1400

	mm	A1 mm	A2 mm	A3 mm	A4 mm	B1 mm	B2 mm	L mm	g
503.4586	5/16"x1/2"-3/8"x7/16"	8.6	7.3	16.8	13.8	24.8	20.2	150.0	91
503.4589	9/16"x3/4"-5/8"x11/16"	11.2	10.3	21.9	19.3	33.5	31.5	230.0	238

4 in 1 GEARplus® flexible reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- With flexible head
- Four different sizes on each spanner
- With reverse lever
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	A3 mm	A4 mm	B1 mm	B2 mm	L mm	g
503.4745	10x13-17x19	11.2	9.0	22.0	17.1	33.7	27.0	253.0	196

4 in 1 GEARplus® reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- Straight form
- Exact gearing with 72 teeth
- Four different sizes on each spanner
- With reverse lever
- High quality finish
- Chrome vanadium

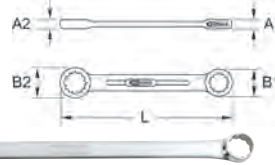


		mm	g
503.4655	2 pcs	8x10 - 12x13 - 14x17 - 18x19 mm	0.34
503.4550	2 pcs	21x27 - 22x24 - 30x36 - 32x34 mm	2.01
503.4540	3 pcs	8x11 - 9x10 - 12x15 - 13x14 - 16x19 - 17x18 mm	0.50

OPEN DOUBLE RING SPANNERS, EXTRA LONG

CHROMEplus® double ring spanner set, extra long

- FlankTraction profile (12 point)
- Thin walled
- Mirror polished chrome
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
518.0821	8x10	7.5	8.4	12.5	15.0	235.0	72
518.0822	10x11	8.5	9.5	14.3	17.0	291.0	95
518.0823	12x14	10.4	11.3	17.8	20.3	328.0	157
518.0824	13x15	11.5	13.2	20.2	23.3	386.0	217
518.0825	16x18	13.0	14.8	23.7	26.6	407.0	284
518.0826	17x19	13.0	14.8	23.7	26.6	407.0	284
518.0827	20x21	13.5	15.2	27.5	29.7	415.0	376
518.0828	22x24	15.4	17.7	31.3	34.0	430.0	482

CHROMEplus® double ring spanner set, extra long

- FlankTraction profile (12 point)
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium

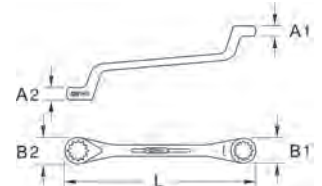


		mm	g
518.0800	6 pcs	10x11 - 12x14 - 13x15 - 16x18 - 17x19 - 22x24 mm	1.30

OPEN DOUBLE RING SPANNERS, OFFSET

CLASSIC Double ring spanner, offset

- FlankTraction Profile
- DIN 838 / ISO 1085 / ISO 10104 / ISO 3318
- Ring head 75° offset
- Thin walled
- Polished heads
- Matt finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	g
517.0836	5,5x7	6.4	5.9	12.0	10.5	0.04
517.0801	6x7	5.2	5.6	10.3	11.8	0.05
517.0802	8x9	6.3	6.4	12.9	14.2	0.07
517.0837	8x10	7.7	6.8	16.6	13.6	0.06
517.0838	9x10	7.7	7.3	16.6	15.0	0.08
517.0839	9x11	8.2	7.3	18.1	15.1	0.06
517.0804	10x11	7.2	7.5	16.0	16.9	0.09
517.0841	10x12	9.2	7.7	21.2	16.7	0.08
517.0806	10x13	7.2	9.0	16.0	20.0	0.12
517.0843	10x14	9.6	7.7	22.6	16.7	0.12
517.0842	11x13	9.2	8.7	21.2	20.0	0.12
517.0844	11x14	9.6	8.7	22.6	20.0	0.12
517.0807	12x13	8.2	9.0	18.5	20.0	0.12
517.0845	12x14	9.6	8.7	22.6	20.0	0.12
517.0846	13x14	9.6	9.2	24.0	21.1	0.12
517.0847	13x15	9.6	9.2	24.0	21.1	0.12
517.0808	13x17	9.0	11.0	20.0	25.2	0.17
517.0809	14x15	9.5	10.0	21.5	22.9	0.15
517.0835	14x17	9.5	11.0	21.5	25.2	0.18
517.0810	16x17	10.3	11.0	24.7	25.2	0.20
517.0848	16x18	11.1	10.5	28.0	25.7	0.20
517.0811	17x19	11.0	11.2	25.2	28.0	0.23
517.0851	17x22	11.8	11.4	32.2	30.0	0.32
517.0812	18x19	10.6	11.2	26.1	28.0	0.23
517.0849	18x21	12.2	11.1	32.7	28.0	0.30
517.0814	19x22	11.2	12.5	28.0	32.2	0.30
517.0852	19x24	13.2	19.2	37.3	29.8	0.33
517.0813	20x22	11.7	12.5	30.5	32.2	0.30
517.0815	21x23	12.2	12.5	30.7	33.8	0.32
517.0853	21x24	13.2	12.2	37.3	32.7	0.34
517.0854	22x24	13.2	12.5	37.3	34.3	0.34
517.0856	24x26	14.3	13.2	41.0	37.3	0.42
517.0816	24x27	12.7	13.7	36.0	40.0	0.43
517.0817	24x30	12.7	14.5	36.0	42.5	0.55
517.0857	25x28	14.7	13.6	43.3	37.3	0.46
517.0858	27x29	15.1	14.3	45.4	39.5	0.46
517.0859	27x30	15.1	14.3	45.4	40.8	0.47
517.0819	27x32	13.7	15.1	40.0	46.0	0.64
517.0818	30x32	14.5	15.1	42.5	46.0	0.59
517.0861	30x34	15.0	17.0	45.0	53.0	0.76
517.0862	30x36	15.0	17.0	45.0	53.0	0.74
517.0821	32x36	15.1	17.0	46.0	52.0	0.88
517.0825	36x41	17.7	19.7	53.2	61.1	1.10
517.0826	41x46	20.4	22.2	62.0	75.5	1.60
517.0827	46x50	22.2	23.6	68.9	91.8	2.15
517.0863	55x60	25.0	26.0	86.0	94.0	3.20
517.0864	65x70	27.0	28.0	103.0	110.0	4.70
517.0865	75x80	29.0	30.0	121.0	127.0	7.40
517.0866	85x90	29.0	30.0	121.0	127.0	7.20
517.0881	1/4x5/16"	8.3	6.4	13.5	12.1	0.06
517.0882	5/16x3/8"	7.3	6.8	15.1	12.1	0.06
517.0883	3/8x7/16"	8.2	7.7	18.1	16.6	0.06
517.0884	7/16x1/2"	9.2	8.7	21.2	20.0	0.10
517.0885	1/2x9/16"	9.6	9.2	24.0	21.1	0.12
517.0886	9/16x5/8"	10.1	9.6	25.0	22.4	0.14
517.0887	9/16x5/8"	10.8	10.5	27.5	25.7	0.18
517.0888	19/32x11/16"	10.8	10.5	27.5	25.7	0.20
517.0889	11/16x3/4"	11.4	11.1	30.0	28.0	0.24

	mm	A1 mm	A2 mm	B1 mm	B2 mm	kg
517.0891	5/8x3/4"	11.4	10.5	30.0	25.7	0.24
517.0892	3/4x25/32"	11.8	11.4	32.2	30.0	0.24
517.0893	3/4x7/8"	12.5	11.4	34.3	39.8	0.28
517.0894	13/16x7/8"	12.5	11.8	34.3	32.0	0.28
517.0895	15/16x1"	14.3	13.2	41.0	37.3	0.44
517.0896	1.1/16x1.1/4"	15.5	13.2	45.9	37.3	0.60

CLASSIC Double ring spanner set, offset

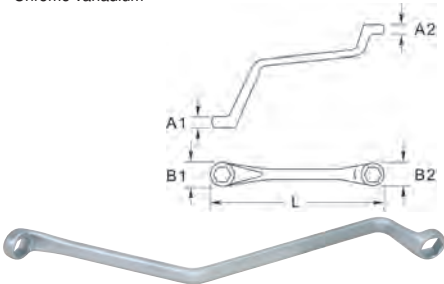
- 12 point
- DIN 838 / ISO 1085 / ISO 10104 / ISO 3318
- Ring head 75° offset
- Thin walled
- Polished heads
- Matt finish
- Chrome vanadium



	pcs	mm	kg
517.0295	5 pcs	8x9 - 10x11 - 12x13 - 16x17 - 18x19 mm	0.50
517.0248	8 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm	1.12
517.0222	11 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 30x32 mm	2.80
517.0250	12 pcs	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 - 21x23 - 24x27 - 25x28 - 30-32 mm	2.88

CLASSIC Brake bleeding spanner

- 6 point
- Ring head cranked and offset
- For bleeding the brakes without dismantling of the wheels
- Matt finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0307	7	5.3	5.6	12.9	12.1	190.0	60
518.0308	8	7.5	7.0	16.0	15.8	211.0	130
518.0309	9	7.4	6.9	16.0	15.9	211.0	130
518.0310	10	7.3	7.1	17.5	16.9	236.0	135
518.0311	11	7.2	7.0	17.3	16.9	236.0	135

CLASSIC Brake bleeding spanner set

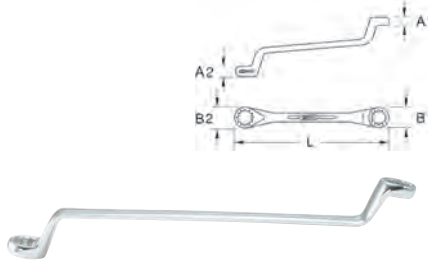
- 6 point
- Ring head cranked and offset
- For bleeding the brakes without dismantling of the wheels
- Matt finish
- Chrome vanadium
- In plastic leather case



	pcs	mm	kg
518.0300	5 pcs	7 - 8 - 9 - 10 - 11 mm	1.20

CHROMEplus® Double ring spanner set, offset

- FlankTraction profile
- DIN 838 / ISO 3318 / ISO 1085 / ISO 10104
- Ring head 75° offset
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
518.0801	6x7	5.9	6.6	10.2	12.5	168.0	52
518.0802	8x9	7.0	7.1	13.7	15.5	183.0	68
518.0804	10x11	7.5	7.5	16.8	18.2	198.0	92
518.0807	12x13	8.3	7.8	19.8	21.6	217.0	139
518.0809	14x15	9.0	9.1	22.7	24.7	239.0	167
518.0810	16x17	9.2	9.5	25.3	26.0	260.0	198
518.0811	17x19	10.3	10.8	28.6	29.8	292.0	263
518.0812	18x19	10.3	10.8	28.6	29.8	292.0	263
518.0814	20x22	10.4	11.4	31.1	34.6	318.0	319
518.0815	21x23	10.8	11.9	32.5	35.6	327.0	352
518.0816	24x27	11.8	13.7	36.5	41.4	339.0	466
518.0818	30x32	13.1	14.6	46.1	49.3	362.0	607
518.3101	1/4"x5/16"	5.4	6.0	10.8	13.1	165.0	40
518.3102	5/16"x3/8"	6.4	7.0	14.7	16.2	170.0	58
518.3103	3/8"x7/16"	6.9	7.6	16.3	18.6	195.0	73
518.3104	1/2"x9/16"	8.6	9.0	19.8	21.0	206.0	116
518.3105	9/16"x5/8"	8.8	9.3	21.4	24.8	232.0	134
518.3106	5/8"x11/16"	10.2	10.4	24.3	26.2	237.0	191
518.3107	11/16"x3/4"	11.1	11.6	27.8	29.3	270.0	269
518.3108	3/4"x7/8"	11.4	12.0	28.7	32.4	292.0	327
518.3109	7/8"x15/16"	11.6	12.3	31.1	34.4	327.0	345
518.3110	13/16"x7/8"	11.6	12.3	31.1	34.4	327.0	345
518.3111	15/16"x1"	14.0	14.1	34.4	36.5	362.0	517
518.3112	1"x1.1/8"	13.7	15.2	39.6	42.1	372.0	625
518.3113	1.1/8"x1.1/4"	17.2	18.6	44.4	48.3	392.0	880



CHROMEplus® double ring ended spanner set

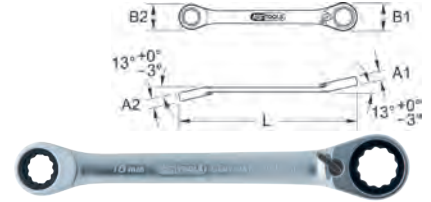
- FlankTraction profile (12 point)
- DIN 838 / ISO 3318 / ISO 1085 / ISO 10104
- Ring head 75° offset
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium



	pcs	mm	kg
518.0847	7 pcs	8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm	1.03
518.0843	3 pcs	21x23 - 24x27 - 30x32 mm	1.51
518.3120	6 pcs	1/4"x5/16" - 3/8"x7/16" - 1/2"x9/16" - 9/16"x5/8" - 11/16"x3/4" - 13/16"x7/8"	1.10
518.3100	8 pcs	1/4"x5/16" - 3/8"x7/16" - 1/2"x9/16" - 9/16"x5/8" - 11/16"x3/4" - 13/16"x7/8" - 15/16"x1" - 1.1/8"x1.1/4"	2.46

GEARplus® reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4571	8x9	6.9	6.5	20.2	16.8	128.0	60
503.4572	8x10	7.4	6.7	20.2	16.7	128.0	65
503.4573	10x11	7.7	7.3	21.8	20.2	150.0	70
503.4574	10x13	8.7	7.4	25.4	20.5	150.0	80
503.4575	12x13	8.6	8.2	24.8	23.0	170.0	100
503.4576	14x15	9.4	9.0	29.5	26.5	190.0	140
503.4577	16x18	10.7	9.9	33.5	29.5	210.0	180
503.4578	17x19	11.2	10.3	33.5	31.5	230.0	220

GEARplus® double reversing ratchet ring spanner

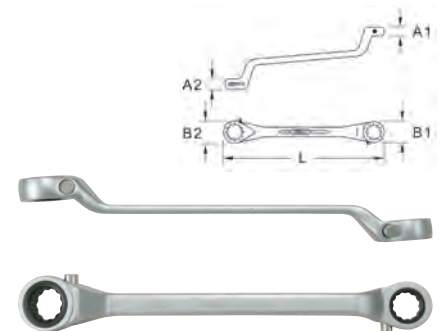
- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium
- Supplied in a leather pouch



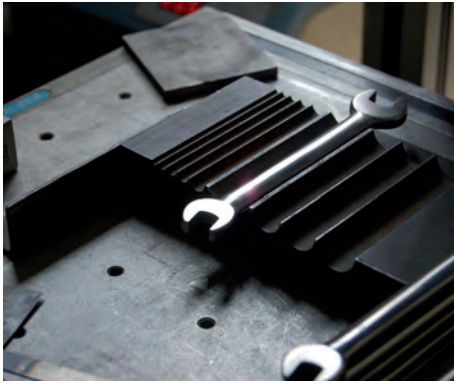
	pcs	mm	kg
503.4580	6 pcs	8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	790

CLASSIC ratchet ring spanner, reversing

- FlankTraction profile (12 point)
- In accordance to DIN 838 / ISO 1085
- Ring head 75° offset
- Reversible
- Exact gearing with 24 teeth
- Matt finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
520.1011	10x11	11.5	11.7	23.3	25.1	210.0	180
520.1214	12x14	12.1	12.4	26.4	30.8	245.0	260
520.1317	13x17	13.2	13.3	31.5	36.3	265.0	360
520.1516	15x16	14.6	14.7	33.1	34.9	260.0	420
520.1922	19x22	16.1	16.2	39.8	43.8	325.0	600
520.2427	24x27	17.7	17.9	47.4	51.6	390.0	800
520.3032	30x32	19.7	19.9	55.1	57.1	410.0	1300



CLASSIC ratchet ring spanner set, reversing

- FlankTraction profile (12 point)
- In accordance to DIN 838 / ISO 1085
- Ring head 75° offset
- Reversible
- Exact gearing with 72 teeth
- Matt finish
- Chrome vanadium



520.1000	5 pcs	10x11 - 12x14 - 13x17 - 15x16 - 19x22 mm	1.85	
520.1100	7 pcs	10x11 - 12x14 - 13x17 - 15 x 16 - 19x22 - 24x27 - 30x32 mm	4.05	

GEARplus® Universal double ratchet ring spanner set

- 6 point
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- Reversible
- With go-through facility
- The collar on each insert prevents slipping
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium
- In durable plastic storage case



503.4625	8 pcs	GEARplus® Universal double ratchet ring spanner set	500	
1 x		14 x 19 mm		
7 x		5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16"		

GEARplus® Universal double ratchet ring spanner set

- 6 point
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- Reversible
- With go-through facility
- The collar on each insert prevents slipping
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium
- In durable plastic storage case

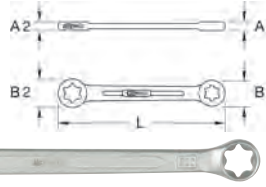


503.4645	10 pcs	GEARplus® Universal double ratchet ring spanner set	500	
1 x		14 x 19 mm		
9 x		8 - 9 - 10 - 11 - 12 - 13 - 15 - 16 - 17 mm		

DOUBLE RING SPANNERS FOR TX E PROFILE

CLASSIC double ring spanner for TX E-Profile

- TX E profile
- Straight form
- Thin walled
- Matt finish
- Chrome vanadium



		A1 mm	A2 mm	B1 mm	B2 mm	L mm	
911.0371	E6 x E8	4.2	5.3	7.3	9.7	114.0	20
911.0372	E7 x E11	5.2	7.2	10.8	14.8	130.0	50
911.0373	E10 x E12	6.5	7.7	12.3	15.1	141.0	40
911.0374	E14 x E18	8.2	10.3	17.0	21.1	180.0	90
911.0375	E16 x E22	8.4	11.8	19.7	27.3	205.0	130
911.0376	E20 x E24	11.0	12.6	23.9	27.9	224.0	170

CLASSIC double ring spanner set for TX E-Profile

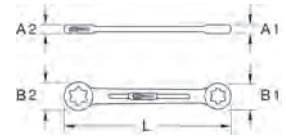
- TX E profile
- Straight form
- Thin walled
- Matt finish
- Chrome vanadium



911.0370	6 pcs	E6xE8 - E7xE11 - E10xE12 - E14xE18 - E16xE22 - E20xE24	410	

CHROMEplus® Double ring spanner for TX E-Profile

- TX E profile
- Straight form
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium



		A1 mm	A2 mm	B1 mm	B2 mm	L mm	
518.0861	E6 x E8	4.2	5.3	7.3	9.7	114.0	17
518.0862	E10 x E12	6.5	7.7	12.3	15.1	141.0	36
518.0863	E14 x E18	8.2	10.3	17.0	21.1	180.0	88
518.0864	E20 x E24	11.0	12.6	23.9	27.9	224.0	165

CHROMEplus® Double ring spanner set for TX E-Profile

- TX E profile
- Straight form
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium



518.0860	4 pcs	E6xE8 - E10xE12 - E14xE18 - E20xE24	410	



CHROMEplus® Double ring spanner for TX-E profile, extra long

- TX E profile
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium



		A1 mm	A2 mm	B1 mm	B2 mm	L mm	
518.0931	E6 x E7	5.8	6.9	9.5	11.0	200.0	42
518.0932	E8 x E10	7.3	8.6	12.0	14.3	240.0	68
518.0933	E11 x E12	9.1	9.9	14.9	16.6	280.0	109
518.0934	E14 x E16	10.3	11.2	18.1	19.8	320.0	161
518.0935	E18 x E20	11.6	12.7	22.8	25.7	360.0	227
518.0936	E22 x E24	13.3	14.0	26.9	29.2	400.0	344

CHROMEplus® Double ring spanner set for TX-E profile, extra long

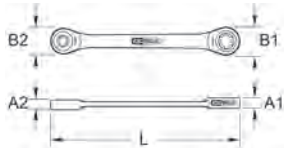
- TX E profile
- Thin walled
- Chrome plated and mirror polished
- Chrome vanadium



					📦
518.0930	6 pcs	E6-E7-E8-E10-E11-E12-E14-E16-E18-E20-E22-E24		1.05	

GEARplus® Double ring ratchet spanner for TX E profile

- TX E profile
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



								📦
503.4351	E6 x E8	6.5	6.9	16.8	20.2	128.0	70	
503.4353	E10 x E12	7.3	7.7	20.2	21.8	150.0	60	
503.4355	E14 x E18	9.0	9.9	26.5	29.5	190.0	150	
503.4357	E20 x E24	10.3	11.2	31.5	33.5	230.0	230	

GEARplus® Double ring ratchet spanner set for TX E profile

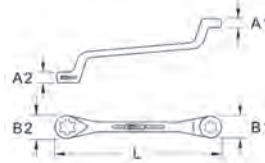
- TX E profile
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



					📦
503.4364	4 pcs	E6xE8 - E10xE12 - E14xE18 - E20xE24		630	

CLASSIC double ring spanner for TX E profile, offset

- TX E profile
- Ring head 75° offset
- Thin walled
- Matt finish
- Chrome vanadium



								📦
911.0361	E6 x E8	5.5	6.2	10.0	12.3	147.0	32	
911.0362	E7 x E11	5.6	7.0	11.3	14.5	159.0	43	
911.0363	E10 x E12	5.9	6.8	13.5	15.5	175.0	50	
911.0364	E14 x E18	7.7	9.3	17.3	21.7	215.0	108	
911.0365	E16 x E22	8.1	11.6	20.1	27.4	234.0	157	
911.0366	E20 x E24	11.3	13.3	23.5	28.2	262.0	223	

CLASSIC Double ring spanner set for TX E profile, offset

- TX E-Profile
- Ring head 75° offset
- Thin walled
- Matt finish
- Chrome vanadium



					📦
911.0360	6 pcs	E6xE8 - E7xE11 - E10xE12 - E14xE18 - E16xE22 - E20xE24		800	



FLEXIBLE SPANNERS

CLASSIC double revolving head spanner

- FlankTraction profile (12 point)
- Revolving head
- Extra large pivoting range
- Suitable for a wide range of applications
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium



						📦
517.0300	6x7	10.5	11.2	198.0	90	
517.0301	8x9	12.3	12.7	198.0	91	
517.0302	10x11	14.8	15.7	216.0	118	
517.0303	12x13	18.7	18.9	223.0	172	
517.0304	14x15	20.8	20.9	245.0	214	
517.0305	16x17	22.7	23.8	257.0	282	
517.0306	18x19	25.7	25.8	273.0	359	
517.0307	20x22	27.7	30.0	297.0	486	
517.0308	21x23	27.7	32.0	297.0	492	

CLASSIC TX E profile double headed revolving wrench set

- TX E-Profile
- Revolving head
- Extra large pivoting range
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium



					📦
517.0340	5 pcs	E6xE8 - E10xE12 - E14xE16 - E18xE20 - E22xE24		1.00	

CLASSIC Double revolving head spanner for TX E profile

- TX E profile
- Revolving head
- Extra large pivoting range
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium



						📦
517.0330	E6 x E8	12.9	12.9	200.0	85	
517.0332	E10 x E12	14.6	16.0	220.0	130	
517.0333	E14 x E16	19.1	20.9	245.0	190	
517.0334	E18 x E20	21.9	22.8	255.0	270	
517.0335	E22 x E24	25.9	25.9	270.0	370	

CLASSIC double revolving head spanner set

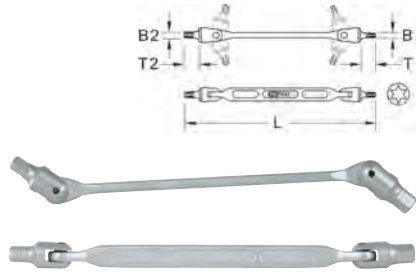
- FlankTraction profile (12 point)
- Revolving head
- Extra large pivoting range
- Suitable for a wide range of applications
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium



Part No.	Quantity	Profile	Weight (kg)
517.0310	6 pcs	8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 mm	1.34

CLASSIC hexagonal double revolving head wrench

- 6 point
- Revolving head
- Extra large pivoting range
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium

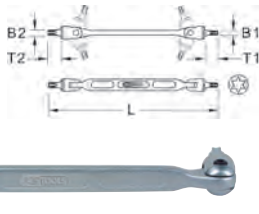


Part No.	Profile (mm)	B1 (mm)	B2 (mm)	T1 (mm)	T2 (mm)	L (mm)	Weight (kg)
517.0341	3x4	12.0	12.0	5.8	4.5	205.0	90
517.0342	5x6	12.0	12.0	6.7	6.0	218.0	105
517.0343	8x10	15.0	14.9	8.7	10.1	225.0	190

BOX SPANNERS

CLASSIC double revolving head spanner for TX

- TX profile
- Revolving head
- Extra large pivoting range
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium



Part No.	Profile	B1 (mm)	B2 (mm)	T1 (mm)	T2 (mm)	L (mm)	Weight (kg)
517.0315	T15 x T20	14.7	14.7	7.9	7.9	225.0	110
517.0316	T25 x T27	15.0	15.0	9.0	9.0	225.0	130
517.0317	T30 x T40	14.8	14.8	8.7	8.7	225.0	150
517.0318	T45 x T50	16.9	16.9	12.4	12.4	245.0	190
517.0319	T55 x T60	17.0	17.0	13.5	13.5	245.0	250

CLASSIC double revolving head spanner set for TX

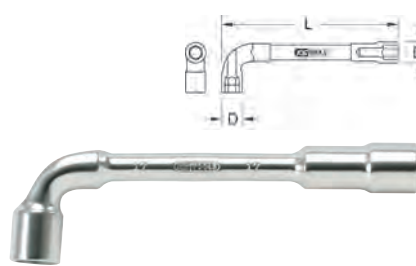
- TX profile
- Revolving head
- Extra large pivoting range
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium



Part No.	Quantity	Profile	Weight (kg)
517.0320	5 pcs	T15xT20 - T25xT27 - T30xT40 - T45xT50 - T55xT60	650

ULTIMATEplus double box spanner with go through centre

- 6 point
- Ring head 90° offset
- With go through function
- Chrome plated and mirror polished
- Chrome vanadium



Part No.	Profile (mm)	D (mm)	L (mm)	Weight (kg)
517.0406	6	10.0	102.0	46
517.0407	7	11.0	106.0	57
517.0408	8	12.5	114.0	65
517.0409	9	13.5	122.0	86
517.0410	10	15.0	129.0	108
517.0411	11	16.5	136.0	133
517.0412	12	18.0	144.0	158
517.0413	13	19.5	152.0	181
517.0414	14	21.0	160.0	229
517.0415	15	22.5	169.0	255
517.0416	16	24.0	178.0	320
517.0417	17	25.5	187.0	349
517.0418	18	26.5	195.0	407
517.0419	19	28.0	204.0	449
517.0420	20	29.5	212.0	513
517.0421	21	30.5	221.0	556
517.0422	22	32.0	230.0	658
517.0423	23	33.5	240.0	764
517.0424	24	34.5	250.0	832
517.0427	27	38.0	296.0	1243
517.0430	30	42.0	330.0	1565
517.0432	32	44.5	350.0	1842
517.0434	34	47.0	340.0	1580
517.0436	36	49.5	380.0	2396



ULTIMATEplus double box spanner set, offset

- 6 point
- Ring head 90° offset
- With go through function
- Chrome plated and mirror polished
- Chrome vanadium



Part No.	Quantity	Profile	Weight (kg)
517.0450	9 pcs	8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm	1.55
517.0451	11 pcs	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 17 - 19 mm	1.60
517.0452	8 pcs	8 - 10 - 11 - 13 - 17 - 19 - 22 - 24 mm	2.35
517.0453	21 pcs	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm	8.40
517.0454	26 pcs	6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 - 32 mm	15.90
517.0455	13 pcs	8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 24 mm	4.56

CLASSIC pipe head spanner

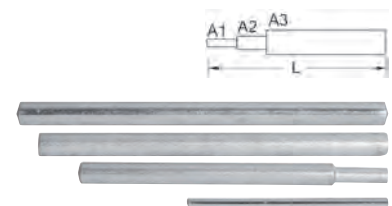
- 6 point
- DIN 896 / ISO 2236 / ISO 1085
- With hollow shaft
- Matt finish
- Chrome vanadium



Part No.	Profile (mm)	A1 (mm)	A2 (mm)	L (mm)	Weight (kg)
518.0870	6x7	10.0	11.0	100.0	1,2,3 27
518.0871	8x9	11.0	12.0	110.0	1,2,3 43
518.0872	10x11	12.5	13.0	120.0	1,2,3 63
518.0881	10x13	13.0	14.5	140.0	2,3 80
518.0873	12x13	14.0	14.5	130.0	2,3 96
518.0874	14x15	15.0	16.0	140.0	2,3 132
518.0881	16x17	16.0	17.0	150.0	2,3 155
518.0882	17x19	17.0	20.0	160.0	2,3 160
518.0876	18x19	18.0	20.0	160.0	2,3 187
518.0877	20x22	20.0	21.0	170.0	2,3 275
518.0878	21x23	20.0	20.0	180.0	2,3 310
518.0883	24x26	24.0	26.0	190.0	4 365
518.0879	24x27	24.0	26.0	190.0	4 365
518.0880	30x32	27.0	31.0	220.0	4 610
518.0884	36x41	32.0	35.0	220.0	5 650
518.0885	41x46	35.0	38.0	240.0	5 950
518.0886	46x50	38.0	40.0	240.0	5 1050

Tommy bar for box spanner

- Hardened
- Matt finish
- Chrome vanadium



Part No.	Profile (mm)	A1 (mm)	A2 (mm)	A3 (mm)	L (mm)	Weight (kg)
518.0865	6x7-10x11	6.0	6.0	6.0	115.0	1 40
518.0866	6x7-21x23	5.8	8.0	9.5	160.0	2 80
518.0868	24x26-30x32	14.0	14.0	14.0	204.0	4 260
518.0869	36x41-46x50	15.6	15.6	15.6	253.0	5 370

CLASSIC box wrench sets

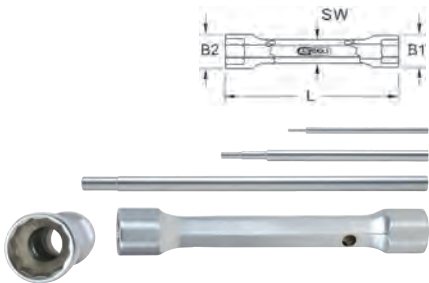
- 6 point
- DIN 896 / ISO 2236 / ISO 1085
- With hollow shaft
- Matt finish
- Chrome vanadium



518.0900			
10 pcs	CLASSIC box wrench sets	920	
8 x	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm		
2 x	6-11 + 10-22 mm		

ULTIMATEplus Double box spanner

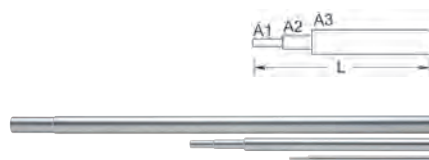
- FlankTraction profile (12 point)
- DIN 896 form A / ISO 2236
- Extremely versatile
- With centre hole
- Can use a combination spanner to drive
- Matt finish
- Chrome vanadium



mm	B1 mm	B2 mm	dim mm	L mm			
518.0406	6x7	9.0	10.0	8.0	100.0	1	27
518.0408	8x9	11.5	12.5	9.0	110.0	1	43
518.0410	10x11	14.0	15.0	11.0	120.0	1	63
518.0412	12x13	16.5	17.5	13.0	130.0	2	96
518.0414	14x15	19.5	20.0	14.0	140.0	2	132
518.0416	16x17	21.0	22.0	16.0	150.0	2	155
518.0418	18x19	23.0	24.0	18.0	160.0	2	187
518.0420	20x22	26.0	28.0	20.0	170.0	2	275
518.0421	21x23	27.0	29.0	21.0	180.0	2	310
518.0424	24x26	30.0	32.0	24.0	190.0	3	365
518.0425	25x28	31.0	34.0	25.0	200.0	3	410
518.0427	27x29	34.0	36.0	27.0	210.0	3	540
518.0430	30x32	37.0	39.0	30.0	220.0	3	610

Tommy bar for double box spanner

- Hardened
- Matt finish
- Chrome vanadium



mm	A1 mm	A2 mm	A3 mm	L mm	#		
518.0450	6x7-10x11	2.6	5.0	5.0	100.0	1	10
518.0455	12x13-21x23	5.9	7.0	9.3	170.0	2	80
518.0460	24x26-30x32	11.6	12.5	12.5	290.0	3	280

ULTIMATEplus Double box head spanner set

- FlankTraction profile (12 point)
- DIN 896 form A / ISO 2236
- Extremely versatile
- With centre hole
- Can use a ring spanner to drive
- Matt finish
- Chrome vanadium



518.0405			
10 pcs	ULTIMATEplus Double box head spanner set	1.16	
8 x	6x7 - 8x9 - 10x11 - 12x13 - 14x15 - 16x17 - 18x19 - 20x22 mm		
2 x	#1 100 mm + #2 170 mm		

Extended bar HGV wheel nut wrench set

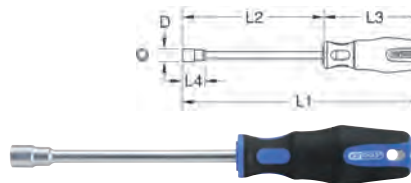
- Two sided serviceable
- Large head depth for projecting bolts
- 1.200 mm extended drive bar
- Loading capacity at 1.200 N*m
- Ideally suited for commercial vehicles
- Matt finish
- Special steel



518.0840			
4 pcs	32x33 mm	3.90	

ERGOTORQUEplus socket screwdriver

- 6 point
- Two component handle
- With hanging hole
- Matt finish
- Chrome vanadium



mm	D mm	L1 mm	L2 mm	L3 mm	L4 mm		
159.1201	4	6.6	255.0	150.0	105.0	4.3	60
159.1202	5	7.6	255.0	150.0	105.0	4.4	70
159.1203	5.5	8.2	255.0	150.0	105.0	4.8	80
159.1204	6	8.8	255.0	150.0	105.0	5.5	80
159.1205	7	10.0	255.0	150.0	105.0	6.8	110
159.1206	8	11.2	264.0	150.0	114.0	7.0	110
159.1207	9	13.9	264.0	150.0	114.0	9.3	110
159.1208	10	15.0	264.0	150.0	114.0	9.9	120
159.1209	11	16.5	264.0	150.0	114.0	10.3	130
159.1210	12	17.6	264.0	150.0	114.0	11.2	180
159.1211	13	17.6	264.0	150.0	114.0	11.6	180
159.1212	14	18.9	264.0	150.0	114.0	13.0	180

ERGOTORQUEplus socket screwdriver set

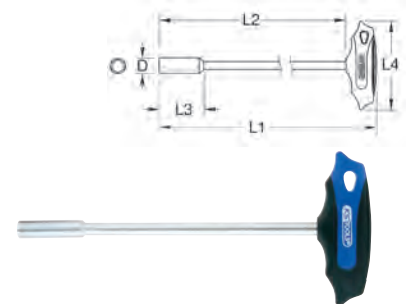
- 6 point
- Two component handle
- With hanging hole
- Matt finish
- Chrome vanadium



159.1200			
8 pcs	5 - 6 - 7 - 8 - 10 - 11 - 12 - 13	800	

CHROMEplus T-handle socket screwdriver, long

- 6 point
- Two component handle
- With hanging hole
- Chrome plated and mirror polished
- Chrome vanadium



mm	D mm	L1 mm	L2 mm	L3 mm	L4 mm		
158.50055	5.5	9.9	264.0	230.0	10.0	95.0	80
158.5006	6	9.9	264.0	230.0	10.0	95.0	100
158.5007	7	10.1	264.0	230.0	10.0	95.0	120
158.5008	8	12.5	270.0	230.0	14.0	115.0	140
158.5009	9	13.6	270.0	230.0	12.0	115.0	150
158.5010	10	14.5	270.0	230.0	14.0	115.0	160
158.5011	11	15.7	270.0	230.0	15.0	115.0	180
158.5012	12	16.7	270.0	230.0	15.0	115.0	180
158.5013	13	17.6	270.0	230.0	16.0	115.0	180
158.5014	14	19.2	270.0	230.0	15.0	115.0	190

CHROMEplus T-handle socket screwdriver set

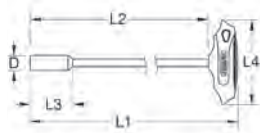
- 6 point
- Two component handle
- With hanging hole
- Chrome plated and mirror polished
- Chrome vanadium



158.5000			
6 pcs	6 - 8 - 10 - 12 - 13 - 14 mm	1.40	

CHROMEplus® T-handle socket screwdriver, extra long

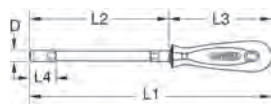
- 6 point
- Two component handle
- With hanging hole
- Chrome plated and mirror polished
- Chrome vanadium



	mm	D mm	L1 mm	L2 mm	L3 mm	L4 mm	I
158.5408	8	12.6	390.0	350.0	13.0	115.0	180
158.5409	9	13.6	390.0	350.0	14.0	115.0	190
158.5410	10	14.7	390.0	350.0	15.0	115.0	220
158.5413	13	17.7	390.0	350.0	15.0	115.0	230
158.5414	14	19.1	390.0	350.0	16.0	115.0	250

ERGOTORQUE® socket screwdriver

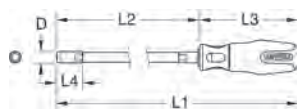
- 6 point
- Flexible
- Limited torque
- Double spiral shaft
- Plastic protective coating
- With hanging hole
- Chrome vanadium



	mm	D mm	L1 mm	L2 mm	L3 mm	L4 mm	I
911.1126	6	10.8	259.0	150.0	109.0	9.3	150
911.1127	7	11.7	259.0	150.0	109.0	10.0	200
911.1128	8	11.9	259.0	150.0	109.0	10.0	200
911.1125	10	12.5	279.0	170.0	109.0	14.3	250

ERGOTORQUEplus® socket screwdriver, extra long

- 6 point
- Flexible
- Limited torque
- Double spiral shaft
- Plastic protective coating
- Two component handle
- With hanging hole
- Chrome vanadium

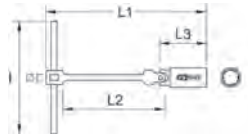


	mm	D mm	L1 mm	L2 mm	L3 mm	L4 mm	I
911.1175	5	11.9	614.0	114.0	614.0	8.9	270
911.1176	6	10.9	614.0	114.0	614.0	11.3	280
911.1177	7	11.7	614.0	114.0	614.0	11.3	280
911.1178	8	11.7	614.0	114.0	614.0	11.3	280

T-HANDLE FLEXIBLE WRENCH

CLASSIC T-Handle Spark plug socket

- FlankTraction profile
- Flexible head
- For difficult to access areas
- Matt finish
- Chrome vanadium



	mm	I mm	L1 mm	L2 mm	L3 mm	I
517.1131	14	200.0	500.0	418.5	81.5	490
517.1132	16	200.0	500.0	418.5	81.5	500
517.1133	18	200.0	500.0	418.5	81.5	580
517.1134	21	200.0	500.0	418.5	81.5	590

CLASSIC T-handle universal wrench, extra long

- 6 point
- With flexible head
- For difficult to access areas
- Matt finish
- Chrome vanadium



	mm	B mm	I mm	L mm	I
517.1108	8	12.0	200.0	394.0	400
517.1109	9	14.5	200.0	395.0	420
517.1110	10	15.3	200.0	490.0	460
517.1111	11	17.0	200.0	491.0	470
517.1112	12	18.0	200.0	493.0	485
517.1113	13	18.0	200.0	493.0	485
517.1114	14	20.0	200.0	495.0	480
517.1115	15	22.0	200.0	495.0	480
517.1116	16	22.0	200.0	496.0	490
517.1117	17	24.0	200.0	469.0	495
517.1118	18	26.0	200.0	500.0	500
517.1119	19	28.0	200.0	500.0	520

CLASSIC T-Handle universal wrench for sockets, extra long

- In accordance to DIN 3122 / ISO 3315
- With flexible head
- For difficult to access areas
- Matt finish
- Chrome vanadium

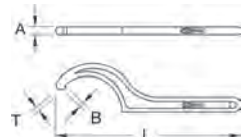


		B mm	I mm	L mm	I
517.1125	1/4"	6.3	200.0	490.0	420
517.1126	3/8"	9.5	200.0	495.0	540
517.1127	1/2"	12.6	200.0	500.0	760

HOOK WRENCH

Fixed hook wrench with nose

- In accordance to DIN 1810 Form A
- With hanging hole
- For slotted nuts
- Burnished
- Chrome vanadium

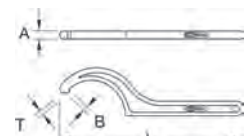


	mm	A mm	B mm	L mm	T mm	I
517.1370	12 - 14	2.5	2.0	109.5	1.5	22
517.1371	16 - 20	2.5	2.0	109.5	1.5	22
517.1372	25 - 28	4.0	2.5	135.9	2.0	36
517.1373	30 - 32	4.0	2.5	135.9	2.0	38
517.1374	34 - 36	5.0	3.0	170.2	2.0	82
517.1375	40 - 42	5.0	3.0	170.3	2.0	76
517.1376	45 - 50	6.0	3.5	195.0	2.0	132
517.1377	52 - 55	7.0	3.5	220.0	2.5	178
517.1378	58 - 62	7.0	4.0	240.0	2.5	224
517.1379	68 - 75	7.6	4.0	260.0	3.0	282
517.1380	80 - 90	8.0	5.0	280.0	3.5	368
517.1381	92 - 100	8.0	5.0	280.0	3.5	394
517.1382	110 - 115	9.5	5.0	334.9	4.0	588
517.1383	120 - 130	9.5	5.0	334.9	4.0	540



Fixed hook wrench with pin

- In accordance to DIN 1810 Form B
- With hanging hole
- For pin type round nuts
- Burnished
- Chrome vanadium



	mm	A mm	B mm	L mm	T mm	I
517.1471	12 - 14	3.8	2.0	110.0	1.5	26
517.1472	16 - 18	4.5	2.5	135.0	2.0	38
517.1473	20 - 22	4.5	2.5	135.0	2.0	43
517.1474	25 - 28	5.5	3.0	170.0	2.5	71
517.1488	30 - 32	5.5	3.0	170.0	2.5	78
517.1476	12 - 14	6.5	3.5	205.0	3.0	133
517.1477	12 - 14	3.8	3.5	205.0	3.0	130
517.1478	45 - 50	7.5	4.0	240.0	3.5	196
517.1479	52 - 62	7.5	4.0	240.0	3.5	208
517.1480	58 - 62	8.5	5.0	280.0	4.0	282
517.1481	68 - 75	8.5	5.0	280.0	4.0	275
517.1482	80 - 90	10.3	5.0	335.0	4.0	491
517.1483	95 - 100	10.3	5.0	335.0	4.0	493
517.1484	110 - 115	12.3	6.0	385.0	5.0	841
517.1485	120 - 130	12.3	6.0	385.0	5.0	820
517.1486	135 - 145	14.3	6.0	465.0	5.0	1445
517.1487	155 - 165	14.3	6.0	465.0	5.0	1448

Pin-type face wrench

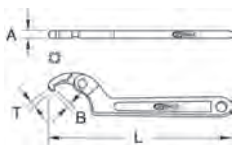
- DIN 3,116 A
- Phosphate
- Special steel



	mm	A mm	B mm	L mm	T mm	kg
517.2013	13	3.0	2.5	90.0	3.0	27
517.2015	15	3.0	3.0	90.0	4.0	27
517.2020	20	4.0	3.0	122.0	5.0	50
517.2025	25	4.0	3.0	137.0	4.0	65
517.2030	30	4.0	4.0	164.0	5.0	85
517.2035	35	5.0	5.0	180.0	6.0	120
517.2040	40	5.0	4.0	167.0	5.0	120
517.2045	45	5.0	4.0	187.0	5.0	145
517.2050	50	5.0	5.0	198.0	6.0	175
517.2060	60	6.0	5.0	213.0	6.0	220
517.2075	75	6.0	6.0	243.0	7.0	330
517.2090	90	6.0	7.0	270.0	7.5	410

Hook wrench with nose

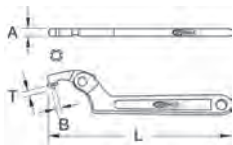
- In accordance to DIN 1810 Form A
- With flexible head
- With hanging hole
- For slotted nuts
- Matt finish
- Chrome vanadium



	mm	mm	A mm	B mm	L mm	T mm	kg
517.1302	19-50	3/4-2"	9.0	3.5	162.0	2.9	100
517.1303	32-76	1.1/4-3"	11.5	4.5	205.0	3.7	210
517.1304	50-120	2-4.3/4"	12.4	6.5	295.0	4.6	420
517.1305	114-158	4.1/2-6.1/4"	12.4	9.8	315.0	8.3	440

Flexible hook wrench with pin

- In accordance to DIN 1810 Form B
- With flexible head
- With hanging hole
- For pin type round nuts
- Matt finish
- Chrome vanadium



	mm	mm	A mm	B mm	L mm	T mm	kg
517.1312	19-50	3/4-2"	9.2	4.0	165.0	4.0	110
517.1313	32-76	1.1/4-3"	11.3	5.0	210.0	4.7	220
517.1314	50-120	2-4.3/4"	12.5	6.0	295.0	5.5	420
517.1315	114-158	4.1/2-6.1/4"	12.6	8.0	320.0	7.6	440

Hook wrench with nose

- In accordance to DIN 1810 Form A
- With flexible head
- With hanging hole
- For slotted nuts
- Matt finish
- Chrome vanadium



	mm	A mm	B mm	L mm	T mm	kg
517.1316	13 - 35	5.2	3.2	175.0	3.2	80
517.1317	35 - 50	5.9	4.0	202.0	4.2	186
517.1318	50 - 80	7.5	4.9	280.0	5.2	382
517.1319	80 - 120	8.2	5.3	345.0	5.8	642
517.1320	120 - 180	10.8	8.9	465.0	7.8	1286

Flexible hook wrench with pin

- In accordance to DIN 1810 Form B
- With flexible head
- With hanging hole
- For pin type round nuts
- Matt finish
- Chrome vanadium



	mm	A mm	B mm	L mm	T mm	kg
517.1323	15 - 35	9.8	2.8	177.0	2.8	100
517.1324	35 - 50	10.7	3.8	202.0	3.6	186
517.1325	50 - 80	14.0	4.8	280.0	5.0	382
517.1326	80 - 120	17.2	5.8	345.0	7.0	642
517.1327	120 - 180	19.2	7.8	465.0	9.0	1286

Hook wrench with nose

- In accordance to DIN 1810 Form A
- With flexible head
- With hanging hole
- For slotted nuts
- Infinitely variable
- Matt finish
- Chrome vanadium



	mm	A mm	B mm	L mm	T mm	kg
517.1397	10 - 50	7.6	4.2	210.0	4.5	380
517.1398	20 - 100	8.2	6.8	360.0	5.5	840
517.1399	30 - 200	10.6	9.4	570.0	7.0	2250

Flexible hook wrench with pin

- In accordance to DIN 1810 Form B
- With flexible head
- With hanging hole
- For pin type round nuts
- Infinitely variable
- Matt finish
- Chrome vanadium

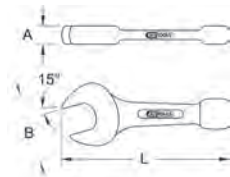


	mm	A mm	B mm	L mm	T mm	kg
517.1328	10-50	8.3	2.6	210.0	2.5	380
517.1329	20-100	12.3	4.0	360.0	4.5	840
517.1330	30-200	17.3	5.8	570.0	4.8	2250

SLOGGING SPANNER

Slogging open end spanner

- DIN 133
- Jaw 15° offset
- Impact area
- For heavy duty applications
- Phosphate finish
- Chrome vanadium

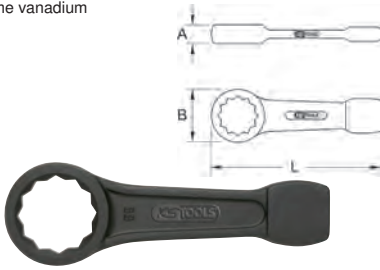


	mm	mm	A mm	B mm	L mm	kg
517.2122	22		16.0	55.0	180.0	0.28
517.0124	24		16.0	55.0	180.0	0.28
517.0127	27		16.3	56.0	181.0	0.39
517.0130	30		16.7	62.0	188.0	0.45
517.0132	32		17.2	66.0	196.0	0.55
517.0136	36		18.2	76.0	211.0	0.71
517.0141	41		19.2	88.0	227.0	1.00
517.0146	46		19.7	98.0	256.0	1.26
517.0150	50		21.2	106.5	281.0	1.61
517.0155	55		23.6	117.0	310.0	2.13
517.0160	60		24.1	128.0	321.0	2.48
517.0165	65		27.6	139.0	351.0	3.34
517.0170	70		29.6	150.0	370.0	4.33
517.0175	75		31.0	161.5	390.0	5.11
517.0180	80		34.0	172.5	406.0	6.02
517.0185	85		34.0	172.5	406.0	5.77
517.0190	90		38.4	194.0	456.0	9.81
517.0195	95		38.4	194.0	456.0	8.99
517.0196	100		46.0	225.0	500.0	13.32
517.2105	105		46.3	225.5	500.0	13.22
517.2110	110		46.3	225.5	500.0	13.05
517.2115	115		54.2	245.5	525.0	17.66
517.2120	120		54.2	254.5	525.0	17.61
517.2125	125		50.0	255.0	545.0	16.76
517.2130	130		55.0	275.0	575.0	19.03
517.2135	135		55.0	275.0	575.0	18.88
517.2140	140		55.0	275.0	575.0	17.88
517.2145	145		60.0	305.0	640.0	26.67
517.2150	150		60.0	305.0	640.0	24.66
517.2155	155		60.0	305.0	640.0	24.20
517.2160	160		60.0	305.0	640.0	25.69
517.2165	165		70.0	342.0	715.0	39.56
517.2170	170		70.0	342.0	715.0	37.76
517.2175	175		70.0	342.0	715.0	36.84
517.2180	180		70.0	392.0	715.0	37.00
517.2185	185		70.0	392.0	715.0	36.00
517.2190	190		78.0	392.0	800.0	53.30
517.2195	195		78.0	392.0	800.0	52.90
517.2200	200		78.0	392.0	800.0	52.50
517.2205	205		78.0	392.0	800.0	52.50
517.2210	210		78.0	392.0	800.0	51.70
517.2220	220		72.0	415.0	800.0	51.30
517.2251		1.1/16"	16.3	56.0	181.0	0.39
517.2254		1.1/8"	16.3	56.0	181.0	0.39
517.2255		1.3/16"	16.7	62.0	188.0	0.47
517.2253		1.1/4"	16.7	62.0	188.0	0.46
517.2258		1.5/16"	17.2	66.0	196.0	0.54
517.2257		1.3/8"	17.2	66.0	196.0	0.55
517.2260		1.7/16"	18.2	76.0	211.0	0.71
517.2252		1.1/2"	18.2	76.0	211.0	0.70
517.2262		1.9/16"	19.2	88.0	227.0	1.25
517.2259		1.5/8"	19.2	88.0	227.0	0.98
517.2263		1.11/16"	19.2	88.0	227.0	0.98
517.2256		1.3/4"	19.2	88.0	227.0	0.99
517.2264		1.13/16"	19.7	98.0	256.0	1.27
517.2261		1.7/8"	19.7	98.0	256.0	1.27
517.2265		1.15/16"	21.2	106.5	281.0	1.05
517.2266		2"	21.2	106.5	281.0	1.59
517.2267		2.1/16"	21.2	106.5	281.0	1.64
517.2270		2.1/8"	21.2	106.0	281.0	1.56
517.2271		2.3/16"	23.6	117.0	310.0	2.12

	mm	A mm	B mm	L mm	kg
517.2269	2.1/4"	23.6	117.0	310.0	2.10
517.2274	2.5/16"	23.6	117.0	310.0	1.90
517.2273	2.3/8"	23.6	128.0	321.0	2.47
517.2276	2.7/16"	23.6	128.0	321.0	2.40
517.2268	2.1/2"	23.6	128.0	321.0	2.60
517.2278	2.9/16"	27.6	139.0	351.0	3.49
517.2275	2.5/8"	27.6	139.0	351.0	3.27
517.2272	2.3/4"	29.6	150.0	370.0	4.28
517.2279	2.13/16"	29.6	150.0	370.0	4.20
517.2277	2.7/8"	29.6	150.0	370.0	4.20
517.2280	2.15/16"	31.0	161.5	390.0	4.10
517.2281	3"	31.0	161.5	390.0	4.88
517.2284	3.1/8"	34.0	172.5	406.0	5.95
517.2283	3.1/4"	34.0	172.5	406.0	5.80
517.2286	3.3/8"	34.0	172.5	406.0	5.64
517.2282	3.1/2"	38.4	194.0	456.0	8.91
517.2287	3.5/8"	38.4	194.0	456.0	7.80
517.2285	3.3/4"	38.4	194.0	456.0	8.56
517.2288	3.7/8"	46.3	225.5	500.0	13.47
517.2289	4"	46.3	225.5	500.0	13.64
517.2292	4.1/8"	46.3	225.5	500.0	13.64
517.2291	4.1/4"	47.0	235.0	610.0	14.10
517.2290	4.1/2"	47.0	235.0	610.0	18.98
517.2293	4.3/4"	50.0	255.0	640.0	16.40
517.2294	5"	50.0	255.0	640.0	15.50
517.2296	5.3/8"	55.0	275.0	640.0	19.80
517.2295	5.3/4"	55.0	275.0	640.0	18.90
517.2297	6"	60.0	305.0	640.0	26.70

Slogging ring spanner

- FlankTraction profile (12 point)
- DIN 7444
- Impact area
- For heavy duty applications
- Phosphate finish
- Chrome vanadium



	mm	A mm	B mm	L mm	kg
517.0922	22	15.0	43.0	165.0	0.22
517.0924	24	15.0	42.5	160.0	0.26
517.0927	27	15.5	47.0	180.0	0.33
517.0930	30	16.5	51.5	190.0	0.39
517.0932	32	16.5	54.0	195.0	0.53
517.0936	36	19.5	60.0	205.0	0.67
517.0941	41	20.5	66.0	225.0	0.79
517.0946	46	22.5	75.0	240.0	1.00
517.0950	50	23.5	80.0	250.0	1.09
517.0955	55	25.0	87.5	270.0	1.45
517.0960	60	26.0	93.5	270.0	1.58
517.0965	65	29.0	101.0	290.0	2.58
517.0970	70	32.5	109.5	320.0	2.58
517.0975	75	34.0	114.5	325.0	3.01
517.0980	80	35.0	123.0	345.0	3.52
517.0985	85	37.0	129.0	360.0	3.90
517.0990	90	41.5	152.0	400.0	6.37
517.0995	95	41.5	152.0	400.0	6.29
517.0996	100	41.5	152.0	400.0	6.03
517.1905	105	47.5	172.0	435.0	8.66
517.1910	110	47.5	172.0	435.0	8.44
517.1915	115	47.5	172.0	435.0	8.16
517.1920	120	54.0	182.0	480.0	9.86
517.1925	125	54.0	182.0	480.0	9.67
517.1930	130	58.0	202.0	520.0	12.30
517.1935	135	58.0	202.0	520.0	11.79
517.1940	140	58.0	202.0	520.0	11.96
517.1945	145	64.0	228.0	580.0	18.55
517.1950	150	64.0	228.0	580.0	17.98
517.1955	155	64.0	228.0	580.0	16.94
517.1960	160	64.0	228.0	580.0	17.89
517.1965	165	70.0	265.0	650.0	26.66
517.1970	170	70.0	265.0	650.0	26.31
517.1975	175	70.0	265.0	650.0	25.92
517.1980	180	70.0	265.0	650.0	24.60
517.1985	185	75.0	290.0	700.0	33.00
517.1990	190	75.0	290.0	700.0	32.60

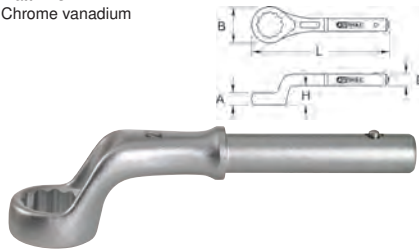
	mm	A mm	B mm	L mm	kg
517.1995	195	75.0	290.0	700.0	31.80
517.2900	200	75.0	290.0	700.0	32.00
517.2905	205	80.0	320.0	750.0	40.50
517.2910	210	80.0	320.0	750.0	39.50
517.2915	215	80.0	320.0	750.0	39.00
517.2920	220	80.0	320.0	750.0	37.40
517.2930	230	80.0	320.0	750.0	35.40
517.2951	1.1/16"	15.5	47.0	180.0	0.33
517.2954	1.1/8"	15.5	47.0	180.0	0.32
517.2955	1.3/16"	16.5	51.5	190.0	0.39
517.2953	1.1/4"	16.5	51.5	190.0	0.39
517.2958	1.5/16"	16.5	53.0	195.0	0.42
517.2957	1.3/8"	16.5	53.0	195.0	0.41
517.2960	1.7/16"	19.5	60.0	205.0	0.66
517.2952	1.1/2"	19.5	60.0	205.0	0.64
517.2962	1.9/16"	20.5	66.0	225.0	0.70
517.2959	1.5/8"	20.5	66.0	225.0	0.82
517.2963	1.11/16"	20.5	66.0	225.0	0.77
517.2956	1.3/4"	20.5	66.0	225.0	0.77
517.2964	1.13/16"	22.5	75.0	240.0	0.98
517.2961	1.7/8"	22.5	75.0	240.0	0.99
517.2965	1.15/16"	23.5	80.0	250.0	1.10
517.2966	2"	23.5	80.0	250.0	1.09
517.2967	2.1/16"	23.5	80.0	250.0	1.08
517.2970	2.1/8"	23.5	80.0	250.0	1.04
517.2971	2.3/16"	25.0	87.5	270.0	1.43
517.2969	2.1/4"	25.0	87.5	270.0	1.40
517.2974	2.5/16"	26.0	93.5	270.0	1.64
517.2973	2.3/8"	26.0	93.5	270.0	1.62
517.2976	2.7/16"	26.0	93.5	270.0	1.53
517.2968	2.1/2"	29.0	101.0	290.0	1.64
517.2978	2.9/16"	29.0	101.0	290.0	2.08
517.2975	2.5/8"	29.0	101.0	290.0	2.04
517.2972	2.3/4"	32.5	109.5	320.0	2.55
517.2979	2.13/16"	32.5	109.5	320.0	2.95
517.2977	2.7/8"	32.5	109.5	320.0	2.95
517.2980	2.15/16"	34.0	114.5	325.0	2.80
517.2981	3"	34.0	114.5	325.0	3.01
517.2984	3.1/8"	35.0	123.0	345.0	3.37
517.2983	3.1/4"	36.0	126.0	360.0	4.00
517.2986	3.3/8"	36.0	126.0	360.0	3.79
517.2982	3.1/2"	40.0	142.0	390.0	5.13
517.2987	3.5/8"	40.0	142.0	390.0	5.30
517.2985	3.3/4"	41.5	152.0	400.0	6.13
517.2988	3.7/8"	45.0	155.0	420.0	6.15
517.2989	4"	45.0	155.0	420.0	6.43
517.2992	4.1/8"	45.0	155.0	420.0	6.21
517.2991	4.1/4"	48.0	170.0	450.0	8.30
517.2990	4.1/2"	48.0	170.0	450.0	7.48
517.2993	4.3/4"	54.0	182.0	480.0	9.90
517.2994	5"	54.0	182.0	480.0	9.50
517.2995	5.1/8"	58.0	202.0	520.0	12.70
517.2997	5.3/8"	58.0	202.0	520.0	12.70
517.2996	5.3/4"	64.0	228.0	580.0	19.30
517.2998	6"	64.0	228.0	580.0	19.30

Intermediate sizes are also available upon request.

SINGLE RING ENDED SPANNER

CLASSIC offset single ring spanner

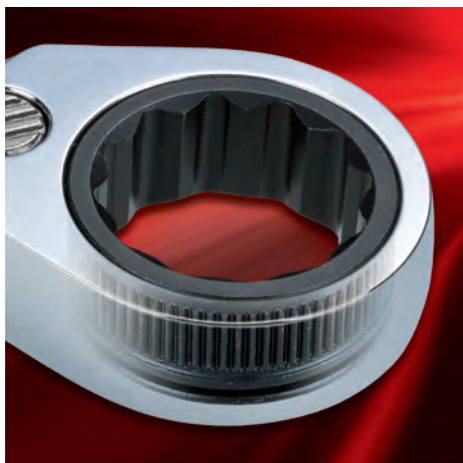
- FlankTraction Profile
- Ring head 75° offset
- With shaft for snap-on handle
- With locking pin
- Heavy duty to deliver maximum torque
- Matt finish
- Chrome vanadium



	mm	A mm	B mm	D mm	H mm	L mm	kg
517.9022	22	17.0	38.0	18.3	29.0	180.0	0.37
517.9024	24	17.0	38.0	19.0	29.5	180.0	0.35

	mm	A mm	B mm	D mm	H mm	L mm	kg
517.9027	27	17.0	42.0	19.0	31.5	190.0	0.40
517.9030	30	18.0	48.0	19.0	33.5	195.0	0.45
517.9032	32	18.0	49.0	21.8	34.0	200.0	0.55
517.9036	36	18.0	49.0	21.8	34.0	200.0	0.65
517.9041	41	20.0	54.0	21.8	35.5	205.0	0.75
517.9046	46	22.0	62.0	25.0	39.5	265.0	1.05
517.9050	50	23.0	69.0	25.0	40.0	280.0	1.15
517.9055	55	25.5	76.0	25.0	42.5	290.0	1.40
517.9060	60	28.0	81.0	30.0	45.5	300.0	2.10
517.9065	65	30.5	90.0	30.0	49.0	345.0	2.30
517.9070	70	33.0	98.0	30.0	53.0	355.0	2.60
517.9075	75	35.5	105.0	30.0	55.0	365.0	3.00
517.9080	80	38.0	110.0	30.0	57.5	375.0	3.45
517.9085	85	40.5	125.0	30.0	59.0	385.0	3.80
517.9090	90	45.0	140.0	30.0	63.0	410.0	4.88
517.9095	95	45.0	140.0	30.0	63.0	410.0	5.67
517.9100	100	47.0	140.0	30.0	63.0	412.0	6.66
517.9105	105	47.0	143.0	30.0	63.0	415.0	7.50
517.9111	1"	17.0	38.0	18.3	29.0	180.0	0.37
517.9112	1.1/16"	17.0	38.0	18.3	31.5	185.0	0.41
517.9115	1.1/8"	17.0	38.0	18.3	33.0	185.0	0.41
517.9116	1.3/16"	18.0	48.0	18.3	33.0	195.0	0.49
517.9114	1.1/4"	18.0	49.0	21.3	34.0	230.0	0.72
517.9119	1.5/16"	20.0	54.0	21.3	34.0	240.0	0.72
517.9118	1.3/8"	20.0	54.0	21.3	35.0	240.0	0.84
517.9121	1.7/16"	20.0	54.0	21.3	35.0	250.0	0.84
517.9113	1.1/2"	20.0	54.0	21.3	39.0	240.0	0.84
517.9123	1.9/16"	23.0	69.0	21.3	39.0	250.0	0.94
517.9120	1.5/8"	23.0	69.0	21.3	39.0	250.0	0.94
517.9124	1.11/16"	23.0	69.0	21.3	39.0	250.0	0.94
517.9117	1.3/4"	22.0	62.0	21.4	40.0	250.0	0.94
517.9125	1.13/16"	23.0	69.0	21.3	40.0	260.0	1.30
517.9122	1.7/8"	23.0	69.0	24.1	40.0	260.0	1.30
517.9126	2"	28.0	81.0	24.1	42.0	270.0	1.45
517.9127	2.1/16"	28.0	81.0	24.1	42.0	270.0	1.45
517.9130	2.1/8"	28.0	81.0	24.1	45.0	270.0	1.45
517.9131	2.3/16"	28.0	81.0	24.1	45.0	270.0	1.50
517.9129	2.1/4"	28.0	81.0	24.1	45.0	270.0	1.50
517.9134	2.5/16"	30.5	90.0	29.1	49.0		

GEARplus® RATCHETING SPANNER



The GEARplus® ring ratcheting spanner offer all the benefits of a ratchet and much more...

The ultra slimline design of the ring sides allows work in very narrow places, even where normal ratchets and sockets can't be used

Allows very quick loosening or tightening of difficult nuts and bolts.



Further development of the progressive gearing means an increase in the transmission of up to 30% more torque compared to previous ring ratcheting spanners. The components of the ratchet mechanism are manufactured from special high grade steel. Thereby the GEARplus® reaches and even surpasses the DIN and ANSI torque standards for standard combination spanners.

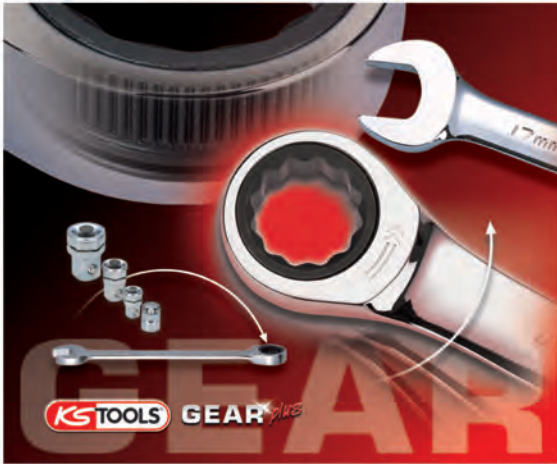


The especially robust ratchet mechanism with 72 teeth works with a ratcheting angle of only 5° which makes it possible to work in confined spaces. The future of ratchets.

Standard combination wrenches require a ratcheting angle of at least 30° which means continual re-mounting of the wrench. This awkward process now belongs to the past.



All GEARplus® ratchet ring spanners are of course fitted with the proven FlankTraction system to optimise the torque transmission. This enables 100% power transfer to the faces of the nuts or bolts being worked on. A further multitude of applications are offered by the valued bit and socket adaptors which can be obtained as separate accessories.



GEARplus® MINI REVERSIBLE COMBINATION SPANNER

GEARplus® combination ratcheting spanner, stubby

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.4631	8	6.5	4.0	16.6	16.7	90.0	30
503.4632	9	6.9	4.4	18.4	18.8	93.0	40
503.4633	10	7.3	4.8	20.0	20.8	95.0	45
503.4634	11	7.7	5.2	21.8	23.0	103.0	50
503.4635	12	8.2	5.5	22.7	25.0	106.0	55
503.4636	13	8.6	5.8	24.7	27.1	108.0	60
503.4637	14	9.0	6.2	27.0	29.2	115.0	70
503.4638	15	9.4	6.5	28.3	31.3	119.0	90
503.4639	16	9.9	6.8	30.0	33.4	123.0	100
503.4640	17	10.3	7.2	31.8	35.5	127.0	110
503.4641	18	10.7	7.7	32.6	37.6	131.0	120
503.4642	19	11.2	8.2	33.8	39.7	139.0	150



GEARplus® combination ratcheting spanner set, stubby

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.4652	12 pcs	GEARplus® combination ratcheting spanner set, stubby					1.08
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm					

GEARplus® combination ratcheting spanner set, stubby

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- Square drive adaptor to DIN 3120
- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



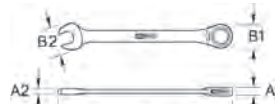
1/4" 3/8" 1/2"

			g
503.4653	16 pcs	GEARplus® combination ratcheting spanner set, stubby	1.35
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® COMBINATION SPANNER

GEARplus® Combination ratcheting spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.42055	5.5	6.3	3.9	14.0	15.0	127.5	20
503.4206	6	6.3	3.9	14.0	15.0	128.0	25
503.4207	7	6.5	4.0	16.8	16.7	140.0	30
503.4208	8	6.5	4.0	16.8	16.7	140.0	30
503.4209	9	6.9	4.4	18.8	18.7	149.0	40
503.4210	10	7.3	4.8	20.8	20.8	158.0	50
503.4211	11	7.7	5.2	21.8	23.0	165.0	60
503.4212	12	8.2	5.5	22.8	24.6	171.0	70
503.4213	13	8.6	5.8	24.8	26.8	178.0	80
503.4214	14	9.0	6.2	27.8	29.0	190.0	110
503.4215	15	9.4	6.5	28.8	31.0	199.0	120
503.4216	16	9.9	6.8	30.8	33.0	208.0	150
503.4217	17	10.3	7.2	31.8	35.5	225.0	180

	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.4218	18	10.7	7.7	32.8	37.5	236.0	210
503.4219	19	11.2	8.2	33.8	39.4	247.0	240
503.4221	21	13.0	9.0	40.0	45.8	289.0	340
503.4222	22	13.0	9.0	40.0	45.8	289.0	340
503.4224	24	14.5	10.0	46.0	51.8	322.0	470
503.4227	27	15.5	10.5	52.0	56.4	358.0	580
503.4228	30	17.0	11.4	58.0	62.7	401.0	860
503.4229	32	17.5	12.5	62.0	66.4	424.0	1060
503.4230	34	17.5	13.0	62.0	70.0	459.0	1170
503.4102	5/16"	6.5	4.0	16.8	16.7	140.0	30
503.4103	3/8"	7.3	4.8	20.8	20.8	158.0	40
503.4104	7/16"	7.7	5.2	21.8	23.0	165.0	50
503.4105	1/2"	8.6	5.8	24.8	26.8	178.0	70
503.4106	9/16"	9.0	6.2	27.8	29.0	190.0	110
503.4107	5/8"	9.9	6.8	30.8	33.0	208.0	130
503.4108	11/16"	10.3	7.2	31.8	35.5	225.0	170
503.4109	3/4"	11.2	8.2	33.8	39.4	247.0	220

GEARplus® Double ring ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



			g
503.4202	5 pcs	5/16" - 3/8" - 1/2" - 11/16" - 3/4"	0.69
503.4204	4 pcs	10 - 13 - 17 - 19 mm	0.65
503.4205	5 pcs	8 - 10 - 13 - 17 - 19 mm	0.69
503.4270	4 pcs	24 - 27 - 30 - 32 mm	3.07

GEARplus® ratchet combination spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



			g
503.4255	5 pcs	GEARplus® ratchet combination spanner set	690
5 x		8 - 10 - 13 - 17 - 19 mm	



GEARplus® combination ratcheting spanner set, extra long

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Extra long
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- In durable metal case



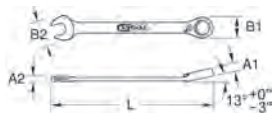
1/4" 3/8" 1/2"

				kg
503.4050	9 pcs	GEARplus® combination ratcheting spanner set, extra long		1.91
5 x		8 - 10 - 13 - 17 - 19 mm		
1 x		1/4"		
3 x		1/4" - 3/8" - 1/2"		

GEARplus® REVERSIBLE COMBINATION SPANNER

GEARplus® reversing combination ratcheting spanner

- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



	mm		A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4606	6		6.3	3.9	14.0	15.0	127.5	30
503.4607	7		6.5	4.6	16.4	16.2	140.0	30
503.4608	8		6.5	4.6	16.4	16.2	140.0	30
503.4609	9		6.9	4.9	18.3	18.2	150.0	40
503.4610	10		7.3	5.3	20.0	20.5	159.0	50
503.4611	11		7.7	5.6	21.4	22.6	166.0	60
503.4612	12		8.2	6.0	22.6	24.6	172.0	70
503.4613	13		8.6	6.4	24.5	26.7	178.0	80
503.4614	14		9.0	6.8	27.0	28.8	191.0	100
503.4615	15		9.4	7.0	28.2	30.8	200.0	120
503.4616	16		9.9	7.2	30.3	33.2	208.0	150
503.4617	17		10.3	7.7	31.6	35.1	225.0	160
503.4618	18		10.7	8.2	32.3	37.2	236.0	190
503.4619	19		11.2	8.8	33.7	39.3	248.0	220
503.4621	21		13.0	9.0	40.1	46.2	290.0	245
503.4622	22		13.0	9.0	40.1	46.2	290.0	360
503.4624	24		14.5	10.0	46.5	51.5	323.0	470
503.4627	27		15.5	10.5	52.5	56.5	357.0	660

	mm		A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4628	30		17.0	11.4	58.5	62.7	400.0	860
503.4629	32		17.5	12.5	62.5	66.4	423.0	1050
503.4630	34		17.5	13.0	62.5	70.6	460.0	1200
503.4643	36		18.0	13.4	65.8	79.0	488.0	1300
503.4644	38		18.0	13.4	65.8	79.0	488.0	1400
503.4648	41		19.5	16.5	71.0	86.0	565.0	2000
503.4681	5/16"	6.5	4.0	16.6	16.7	145.0	30	
503.4683	3/8"	7.3	4.8	20.0	20.8	159.0	60	
503.4684	7/16"	7.7	5.2	21.8	23.0	165.0	70	
503.4685	1/2"	8.6	5.8	24.7	27.1	178.0	80	
503.4686	9/16"	9.0	6.5	27.0	29.2	190.0	100	
503.4687	5/8"	9.9	6.8	30.0	33.4	208.0	140	
503.4688	11/16"	10.3	7.2	31.8	35.5	225.0	170	
503.4689	3/4"	11.2	8.2	33.8	39.7	248.0	230	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



				kg
503.4604	4 pcs	10 - 13 - 17 - 19 mm		0.65
503.4605	5 pcs	8 - 10 - 13 - 17 - 19 mm		0.70
503.4602	5 pcs	5/16" - 3/8" - 1/2" - 11/16" - 3/4"		0.54

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



				kg
503.4646	6 pcs	GEARplus® reversing combination ratcheting spanner set		1.04
6 x		8 - 10 - 12 - 13 - 17 - 19 mm		

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- Square drive adaptor to DIN 3120
- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

				kg
503.4650	9 pcs	GEARplus® reversing combination ratcheting spanner set		1.10
5 x		8 - 10 - 13 - 17 - 19 mm		
1 x		1/4"		
3 x		1/4" - 3/8" - 1/2"		

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- Square drive adaptor to DIN 3120
- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

				kg
503.4647	10 pcs	GEARplus® reversing combination ratcheting spanner set		1.11
6 x		8 - 10 - 12 - 13 - 17 - 19 mm		
1 x		1/4"		
3 x		1/4" - 3/8" - 1/2"		

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

503.4666	16 pcs	GEARplus® reversing combination ratcheting spanner set	1.79
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



503.4665	12 pcs	GEARplus® reversing combination ratcheting spanner set	1.71
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® reversing combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



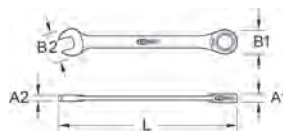
1/4" 3/8" 1/2" 5/8" 3/4" 10 mm

503.4600	70 pcs	GEARplus® reversing combination ratcheting spanner display	2.82
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

DUO GEARplus® COMBINATION RATCHETING SPANNER

DUO GEARplus® combination spanner set with ratchet mechanism in ring and open jaw

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	Nm	Nm	kg
503.5208	8	6.5	4.1	16.4	16.2	140.0	15.0	36.0	30
503.5209	9	6.9	4.3	18.3	18.3	150.0	21.1	48.0	40
503.5210	10	7.3	4.8	20.0	20.0	159.0	31.1	85.2	50
503.5211	11	7.7	5.1	21.4	21.4	166.0	46.1	96.0	60
503.5212	12	8.2	5.3	22.6	22.6	172.0	49.1	109.2	70
503.5213	13	8.6	5.9	24.5	24.5	178.0	62.1	138.0	80
503.5214	14	9.0	6.3	27.0	27.0	191.0	86.0	189.6	110
503.5215	15	9.4	6.6	28.2	28.2	200.0	104.1	240.0	120
503.5216	16	9.9	6.9	30.3	30.3	208.0	124.1	297.6	150
503.5217	17	10.3	7.3	31.6	31.6	225.0	139.1	320.4	170
503.5218	18	10.7	7.8	32.3	32.3	236.0	155.1	364.8	210
503.5219	19	11.2	8.3	33.7	33.7	248.0	186.1	387.6	220
503.5221	21	13.0	8.8	40.1	46.2	290.0	248.1	446.4	340
503.5222	22	13.0	8.8	40.1	46.2	290.0	279.1	489.6	340
503.5224	24	14.5	9.8	46.5	51.5	323.0	341.2	610.8	470
503.5227	27	15.5	10.4	52.9	56.1	352.0	432.0	805.2	650
503.5228	30	17.1	11.2	57.6	62.5	396.0	570.0	954.0	875
503.5229	32	17.6	12.1	61.9	66.2	418.0	650.0	1086.0	1035

DUO GEARplus® combination spanner set with ratchet mechanism in ring and open jaw

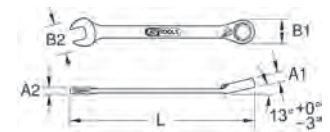
- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Straight form
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium
- In durable plastic holder



503.5205	5 pcs	8 - 10 - 13 - 17 - 19 mm	0.66
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DUO GEARplus® combination spanner with ratchet mechanism in ring and open jaw, reversible

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ring head 15° offset
- With reverse lever
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium



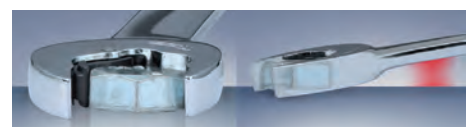
	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	Nm	Nm	kg
503.5908	8	6.5	4.1	16.4	16.2	140.0	15.0	36.0	40
503.5909	9	6.9	4.3	18.3	18.2	150.0	21.1	48.0	45
503.5910	10	7.3	4.8	20.0	20.5	159.0	31.1	85.2	50
503.5911	11	7.7	5.1	21.4	22.6	166.0	46.1	96.0	60
503.5912	12	8.2	5.3	22.6	24.6	172.0	49.1	109.2	70
503.5913	13	8.6	5.9	24.5	26.7	178.0	62.1	138.0	80
503.5914	14	9.0	6.3	27.0	28.8	191.0	86.0	189.6	100
503.5915	15	9.4	6.6	28.2	30.8	200.0	104.1	240.0	120
503.5916	16	9.9	6.9	30.3	33.2	208.0	124.1	297.6	140
503.5917	17	10.3	7.3	31.6	35.1	225.0	139.1	320.4	170
503.5918	18	10.7	7.8	32.3	37.2	236.0	155.1	364.8	200
503.5919	19	11.2	8.3	33.7	39.3	248.0	186.1	387.6	210
503.5921	21	13.0	8.8	40.1	46.2	290.0	248.1	446.4	340
503.5922	22	13.0	8.8	40.0	46.2	290.0	279.1	489.6	340
503.5924	24	14.5	9.8	46.5	51.5	323.0	341.2	610.8	470
503.5927	27	15.5	10.4	52.9	56.1	352.0	432.0	805.2	650
503.5928	30	17.1	11.2	57.6	62.5	396.0	570.0	954.0	875
503.5929	32	17.6	12.1	61.9	66.2	418.0	650.0	1086.0	1035

DUO GEARplus® combination spanner set with ratchet mechanism in ring and open jaw, reversible

- Open end side with innovative ratchet mechanism
- FlankTraction Profile
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ring head 15° offset
- With reverse lever
- Exact gearing with 72 teeth
- High quality finish
- Chrome vanadium
- In durable plastic holder



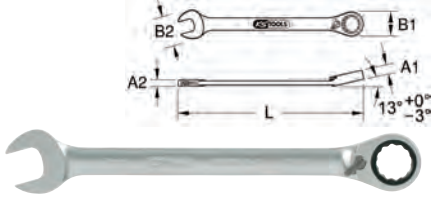
503.5905	5 pcs	8 - 10 - 13 - 17 - 19 mm	0.66
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GEARplus® RING STOP COMBINATION SPANNER

GEARplus® reversing combination ratcheting spanner

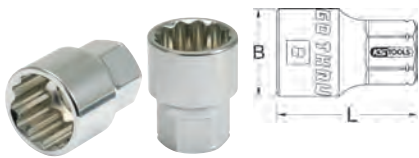
- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- Ring stop function
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4908	8	6.5	4.6	16.6	16.7	140.0	40
503.4909	9	6.9	4.9	18.4	18.8	150.0	45
503.4910	10	7.3	5.3	20.0	20.8	159.0	50
503.4911	11	7.7	5.6	21.8	23.0	165.0	60
503.4912	12	8.2	6.0	22.7	25.0	172.0	70
503.4913	13	8.6	6.4	24.7	27.1	178.0	80
503.4914	14	9.0	6.8	27.0	29.2	191.0	100
503.4915	15	9.4	7.0	28.3	31.1	200.0	120
503.4916	16	9.9	7.2	30.0	33.4	208.0	140
503.4917	17	10.3	7.7	31.8	35.5	226.0	170
503.4918	18	10.7	8.2	32.6	37.6	237.0	200
503.4919	19	11.2	8.8	33.8	39.7	248.0	210

GEARplus® Socket adapter with go through

- FlankTraction profile (12 point)
- With go through function
- Suitable for ring stop spanners
- Chrome plated and mirror polished
- Chrome vanadium



	mm	B mm	L mm	kg
503.4978	8	12.0	19.8	10
503.4979	9	12.0	21.2	10
503.4980	10	15.0	22.6	10
503.4981	11	16.2	22.9	10
503.4982	12	17.4	24.5	20
503.4983	13	18.7	25.8	20
503.4984	14	19.9	26.1	20
503.4985	15	20.8	28.0	30
503.4986	16	22.6	29.5	30
503.4987	17	23.7	30.6	30
503.4988	18	24.5	32.0	40
503.4989	19	26.1	33.5	50

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- High quality finish
- Chrome vanadium
- In durable plastic storage case



	kg
503.4955 5 pcs 8 - 10 - 13 - 17 - 19 mm	660

GEARplus® reversing combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- Ratchet head 15° offset
- With reverse lever
- Versatile sockets with go through function
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2" 5/8" 3/4" 10 mm

	kg
503.4960 30 pcs GEARplus® reversing combination ratcheting spanner set	2.43
12 x 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
12 x 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
3 x 1/4" - 5/16" - 10 mm	
3 x 1/4" - 3/8" - 1/2"	

GEARplus® FLEXIBLE COMBINATION RATCHETING SPANNER

GEARplus® flexible combination ratcheting spanner

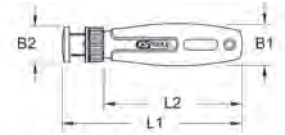
- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium



	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4708	8	6.5	4.3	16.7	16.2	127.0	30
503.4709	9	6.9	4.6	18.6	18.2	131.5	40
503.4710	10	7.3	5.0	20.3	20.3	136.0	50
503.4711	11	7.7	5.4	21.8	22.5	141.0	60
503.4712	12	8.2	5.8	23.0	24.3	147.5	70
503.4713	13	8.6	6.1	25.2	26.8	154.0	80
503.4714	14	9.0	6.4	26.8	28.3	160.0	100
503.4715	15	9.4	6.9	28.3	29.8	169.0	120
503.4716	16	9.9	7.2	29.8	31.8	179.0	150
503.4717	17	10.3	7.6	31.8	32.8	190.0	160
503.4718	18	10.7	8.0	32.8	37.0	203.0	190
503.4719	19	11.2	8.6	33.9	39.2	215.0	220
503.4721	21	13.0	9.0	40.0	46.0	274.0	400
503.4722	22	13.0	9.0	40.0	46.0	274.0	400
503.4724	24	14.5	10.0	46.0	52.2	296.0	550

Handle for flexible combination ratcheting spanner

- Two component handle
- Suitable as a crank handle ratchet
- Mirror polished chrome
- Chrome vanadium



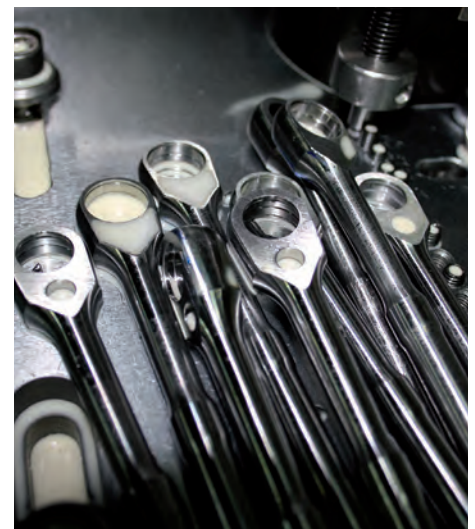
	mm	B1 mm	B2 mm	L1 mm	L2 mm	kg
503.0100	8-19	34.0	28.0	143.0	110.0	160

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



	kg
503.4759 6 pcs GEARplus® flexible combination ratcheting spanner set	1.90
6 x 8 - 10 - 12 - 13 - 17 - 19 mm	



GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- Square drive adaptor to DIN 3120-ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

		kg	
503.4760	10 pcs	GEARplus® flexible combination ratcheting spanner set	2.00
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- Square drive adaptor to DIN 3120-ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

		kg	
503.4766	16 pcs	GEARplus® flexible combination ratcheting spanner set	2.66
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® flexible combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



		kg	
503.4765	12 pcs	GEARplus® flexible combination ratcheting spanner set	2.56
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® flexible combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Jaw 15° offset
- Exact gearing with 72 teeth
- With flexible head
- 180° revolving head
- High quality finish
- Chrome vanadium



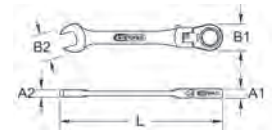
1/4" 3/8" 1/2" 5/16" 3/8"

		kg	
503.4700	70 pcs	GEARplus® flexible combination ratcheting spanner display	2.74
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

GEARplus® FLEXIBLE LOCKING COMBINATION RATCHETING SPANNER

GEARplus® flexible locking combination ratcheting spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium

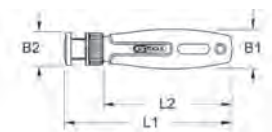


	mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	kg
503.4808	8	6.5	4.3	16.7	16.2	127.0	30
503.4809	9	6.9	4.6	18.6	18.2	131.5	40
503.4810	10	7.3	5.0	20.0	20.3	136.0	50
503.4811	11	7.7	5.4	21.8	22.5	141.0	60
503.4812	12	8.2	5.8	23.0	24.3	147.5	70
503.4813	13	8.6	6.1	25.2	26.8	154.0	80
503.4814	14	9.0	6.4	26.8	28.7	160.0	100
503.4815	15	9.4	6.9	28.3	30.5	169.0	120
503.4816	16	9.9	7.2	29.8	32.9	179.0	150
503.4817	17	10.3	7.6	31.8	34.5	190.0	160
503.4818	18	10.7	8.0	32.8	37.0	203.0	190
503.4819	19	11.2	8.6	33.9	39.2	215.0	220



Handle for flexible combination ratcheting spanner

- Two component handle
- Suitable as a crank handle ratchet
- Mirror polished chrome
- Chrome vanadium



	mm	B1 mm	B2 mm	L1 mm	L2 mm	kg
503.0100	8-19	34.0	28.0	143.0	110.0	160

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GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



kg			
503.4859	6 pcs	GEARplus® flexible locking combination ratcheting spanner set	1.21
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- Square drive adaptor to DIN 3120-ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



kg			
503.4867	12 pcs	GEARplus® flexible locking combination ratcheting spanner set	1.30
6 x		8 - 10 - 12 - 13 - 17 - 19 mm	
3 x		1/4" - 5/16" - 10 mm	
3 x		1/4" - 3/8" - 1/2"	

1/4" 3/8" 1/2" 5/16" 10 mm

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium
- In durable plastic storage case



kg			
503.4865	12 pcs	GEARplus® flexible locking combination ratcheting spanner set	2.56
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	

GEARplus® flexible locking combination ratcheting spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- High quality finish
- Chrome vanadium
- In durable plastic storage case



kg			
503.4868	18 pcs	GEARplus® flexible locking combination ratcheting spanner set	2.90
12 x		8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm	
3 x		1/4" - 5/16" - 10 mm	
3 x		1/4" - 3/8" - 1/2"	

1/4" 3/8" 1/2" 5/16" 10 mm

GEARplus® flexible locking combination ratcheting spanner display

- FlankTraction profile (12 point)
- In accordance to DIN 3113 / ISO 3318
- Jaw 15° offset
- With flexible locking head
- Exact gearing with 72 teeth
- 180° revolving head
- High quality finish
- Chrome vanadium



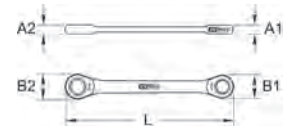
1/4" 3/8" 1/2" 5/16" 10 mm

kg			
503.4800	70 pcs	GEARplus® flexible locking combination ratcheting spanner display	2.82
60 x		5 x (8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)	
5 x		1/4" ; 1/4" - 3/8" - 1/2"	
5 x		5/16" - 10 mm	

GEARplus® DOUBLE RING SPANNER

GEARplus® Double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



		mm	kg	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.4502	8x9			6.5	6.9	16.8	20.2	128.0	60
503.4511	8x10			7.3	6.5	20.0	17.0	128.0	40
503.4503	10x11			7.3	7.7	20.2	20.2	150.0	80
503.4512	10x13			7.3	8.6	20.2	20.2	150.0	80
503.4504	12x13			8.2	8.6	23.0	23.0	170.0	100
503.4505	14x15			9.0	9.4	26.5	26.5	190.0	140
503.4506	16x18			9.9	10.7	29.5	29.5	210.0	180
503.4507	17x19			10.3	11.2	31.5	31.5	230.0	220
503.4402	5/16"x3/8"			6.5	7.3	16.8	20.2	128.0	40
503.4403	7/16"x1/2"			7.7	8.6	23.0	24.8	170.0	80
503.4404	9/16"x5/8"			9.0	9.9	26.5	29.5	190.0	125
503.4405	11/16"x3/4"			10.3	11.2	31.5	33.5	230.0	200

GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



kg			
503.4552	2 pcs	10x13 - 17x19 mm	790

GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- Supplied in a leather pouch



503.4557	6 pcs	8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	790
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GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



503.4556	6 pcs	GEARplus® double ratchet ring spanner set	790
6 x		8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	

GEARplus® double ratchet ring spanner set

- FlankTraction profile (12 point)
- In accordance to DIN 3310 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Square drive adaptor to DIN 3120- ISO 1174 with ball lock
- For bits to DIN 3126 / C 6,3
- Chrome plated and mirror polished
- Chrome vanadium
- In durable plastic storage case



1/4" 3/8" 1/2"

503.4560	10 pcs	GEARplus® double ratchet ring spanner set	790
6 x		8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	
1 x		1/4"	
3 x		1/4" - 3/8" - 1/2"	

GEARplus® 4 IN 1 DOUBLE RING SPANNER

4 in 1 GEARplus® reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- Four different sizes on each spanner
- With reverse lever
- High quality finish
- Chrome vanadium



mm	A1 mm	A2 mm	A3 mm	A4 mm	B1 mm	B2 mm	L mm	g
503.4541	8x11-9x10	7.7	7.3	14.6	13.8	21.8	20.0	68
503.4656	8x10-12x13	8.6	7.3	16.8	13.8	24.8	16.8	86
503.4543	12x15-13x14	9.4	9.0	18.0	17.1	29.5	18.0	147
503.4565	10x19-13x17	11.2	9.0	21.9	17.1	33.6	21.9	196
503.4546	16x19-17x18	11.2	10.3	21.9	20.2	33.5	21.9	244
503.4657	14x17-18x19	11.2	10.3	21.9	19.3	33.5	21.9	245
503.4553	21x27-22x24	16.0	13.0	30.0	26.0	52.0	40.0	275.0
503.4554	30x36-32x34	18.0	18.0	36.0	35.0	65.0	62.0	360.0

mm	A1 mm	A2 mm	A3 mm	A4 mm	B1 mm	B2 mm	L mm	g
503.4586	5/16"x1/2"-3/8"x7/16"	8.6	7.3	16.8	13.8	24.8	20.2	150.0
503.4589	9/16"x3/4"-5/8"x11/16"	11.2	10.3	21.9	19.3	33.5	31.5	230.0

4 in 1 GEARplus® flexible reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Straight form
- Exact gearing with 72 teeth
- With flexible head
- Four different sizes on each spanner
- With reverse lever
- High quality finish
- Chrome vanadium



mm	A1 mm	A2 mm	A3 mm	A4 mm	B1 mm	B2 mm	L mm	g
503.4745	10x13-17x19	11.2	9.0	22.0	17.1	33.7	27.0	253.0

4 in 1 GEARplus® reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- Straight form
- Exact gearing with 72 teeth
- Four different sizes on each spanner
- With reverse lever
- High quality finish
- Chrome vanadium



mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g
503.4655	2 pcs	8x10 - 12x13 - 14x17 - 18x19 mm	340			
503.4550	2 pcs	21x27 - 22x24 - 30x36 - 32x34 mm	2010			
503.4540	3 pcs	8x11 - 9x10 - 12x15 - 13x14 - 16x19 - 17x18 mm	500			

GEARplus® REVERSIBLE DOUBLE RING SPANNER

GEARplus® reversing double ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium



mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g	
503.4571	8x9	6.9	6.5	20.2	16.8	128.0	60
503.4572	8x10	7.4	6.7	20.2	16.7	128.0	65
503.4573	10x11	7.7	7.3	21.8	20.2	150.0	70
503.4574	10x13	8.7	7.4	25.4	20.5	150.0	80
503.4575	12x13	8.6	8.2	24.8	23.0	170.0	100
503.4576	14x15	9.4	9.0	29.5	26.5	190.0	140
503.4577	16x18	10.7	9.9	33.5	29.5	210.0	180
503.4578	17x19	11.2	10.3	33.5	31.5	230.0	220

GEARplus® double reversing ratchet ring spanner

- FlankTraction profile (12 point)
- In accordance to DIN 3110 / ISO 3318
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- With reverse lever
- High quality finish
- Chrome vanadium
- Supplied in a leather pouch

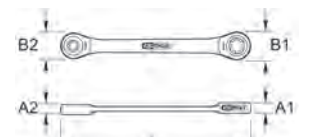


503.4580	6 pcs	8x9 - 10x11 - 12x13 - 14x15 - 16x18 - 17x19 mm	790
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GEARplus® TX DOUBLE RING SPANNER

GEARplus® Double ring ratchet spanner for TX E profile

- TX E profile
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



mm	A1 mm	A2 mm	B1 mm	B2 mm	L mm	g	
503.4351	E6 x E8	6.5	6.9	16.8	20.2	128.0	70
503.4353	E10 x E12	7.3	7.7	20.2	21.8	150.0	60
503.4355	E14 x E18	9.0	9.9	26.5	29.5	190.0	150
503.4357	E20 x E24	10.3	11.2	31.5	33.5	230.0	230

GEARplus® Double ring ratchet spanner set for TX E profile

- TX E profile
- Straight form
- Exact gearing with 72 teeth
- Chrome plated and mirror polished
- Chrome vanadium



503.4364	4 pcs	E6xE8 - E10xE12 - E14xE18 - E20xE24	630
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GEARplus® UNIVERSAL DOUBLE RING SPANNER SETS

GEARplus® Universal double ratchet ring spanner set

- 6 point
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- Reversible
- With go-through facility
- The collar on each insert prevents slipping
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium
- In durable plastic storage case



503.4625	8 pcs	GEARplus® Universal double ratchet ring spanner set	500
1 x		14 x 19 mm	
7 x		5/16" - 3/8" - 7/16" - 1/2" - 9/16" - 5/8" - 11/16"	

GEARplus® Universal double ratchet ring spanner set

- 6 point
- Ratchet head 15° offset
- Exact gearing with 72 teeth
- Reversible
- With go-through facility
- The collar on each insert prevents slipping
- Especially suitable for narrow hard to access areas
- Matt finish
- Chrome vanadium
- In durable plastic storage case

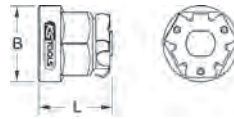


503.4645	10 pcs	GEARplus® Universal double ratchet ring spanner set	500
1 x		14 x 19 mm	
9 x		8 - 9 - 10 - 11 - 12 - 13 - 15 - 16 - 17 mm	

GEARplus® ACCESSORIES

GEARplus® Bit adapter

- FlankTraction profile (12 point)
- Chrome plated and mirror polished
- Chrome vanadium



	mm	mm	B mm	L mm	g
503.4290	10,0	1/4"	11.0	15.7	6
503.4292	13,0	5/16"	15.5	15.3	11
503.4293	13,0	10 mm	21.0	21.0	17

GEARplus® Bit adapter set

- FlankTraction profile (12 point)
- Chrome plated and mirror polished
- Chrome vanadium



503.4294	2 pcs	GEARplus® Bit adapter set	100
2 x		13 mm x 5/16" - 13 mm x 10 mm	

GEARplus® Socket adapter

- 6 point
- With quick release locking function
- Suitable for GEARplus® spanners
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- Chrome plated and mirror polished
- Chrome vanadium



	mm	mm	B mm	L mm	g
503.4296	10 mm	1/4"	11.1	16.7	50
503.4297	13 mm	3/8"	14.5	21.7	70
503.4298	19 mm	1/2"	21.4	28.8	100

GEARplus® Socket adapter set, for metric spanner

- FlankTraction profile (12 point)
- Suitable for metric GEARplus® spanners
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6.3
- Chrome plated and mirror polished
- Chrome vanadium



503.4286	4 pcs	GEARplus® Socket adapter set, for metric spanner	270
1 x		10 mm x 1/4"	
3 x		10 mm x 1/4" - 13 mm x 3/8" - 19 mm x 1/2"	

GEARplus® Socket adapter set, for imperial spanners

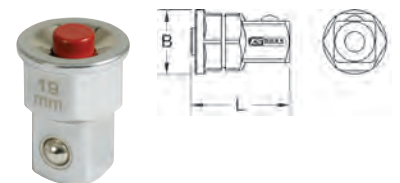
- FlankTraction profile (12 point)
- Suitable for imperial GEARplus® spanners
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- For bits to DIN 3126 / C 6.3
- Chrome plated and mirror polished
- Chrome vanadium



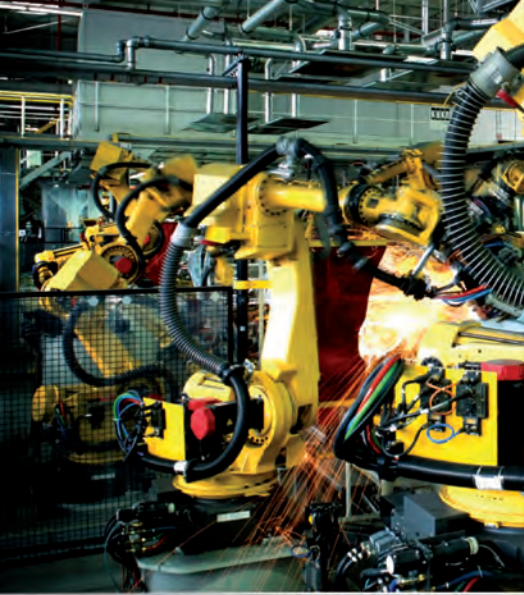
503.4287	4 pcs	GEARplus® Socket adapter set, for imperial spanners	100
1 x		3/8" x 1/4"	
3 x		3/8" x 1/4" - 1/2" x 3/8" - 3/4" x 1/2"	

GEARplus® Socket adapter for ring stop spanner

- 6 point
- With quick release locking function
- Suitable for ring stop spanners
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- Chrome plated and mirror polished
- Chrome vanadium



	mm	mm	B mm	L mm	g
503.4998	19 mm	1/2"	21.4	28.8	100



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