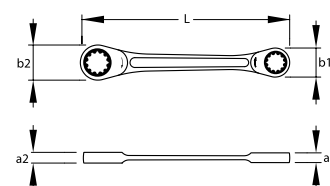


Double Ended Ring Spanners

NO. 4 R - THE "DOUBLE WITH RATCHET"

- > Flat pattern
- > Thin walled rings
- > UD profile
- > Working angle: 7° up to 14x15 mm, 6° from 16x17 mm to 18x19 mm
- > For ratchet loosening and fast tightening
- > GEDORE vanadium steel 31CrV3
- > Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- > Hot forged
- > Tried-and-tested GEDORE technology combined anew: stable hollow shaft of no. 7 and refined mechanism of the U-20 ratchets
- > In combination with adaptor no. 7 RA or 7 RB (please order separately) the spanner no. 4 R can be used as a (bit) ratchet



4 R (MM) / 4 R (AF) DOUBLE RING RATCHET SPANNER



Ø mm	∠°	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
8 x 9	7	134.0	7.0	7.3	17.5	19.3	0.040	2306719	4 R 8x9
8 x 10	7	144.0	7.0	7.7	17.5	21.0	0.060	2306727	4 R 8x10
10 x 11	7	153.5	7.7	8.1	21.0	22.5	0.070	2306743	4 R 10x11
10 x 13	7	165.5	7.7	9.0	21.0	25.7	0.080	2306751	4 R 10x13
12 x 13	7	174.5	8.6	9.0	23.6	25.7	0.090	2306786	4 R 12x13

Ø mm	∠°	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
14 x 15	7	197.0	9.4	9.8	28.2	29.5	0.140	2306794	4 R 14x15
16 x 17	6	222.0	10.2	10.6	31.7	33.6	0.200	2306808	4 R 16x17
17 x 19	6	235.0	10.6	11.7	33.6	36.3	0.220	2306816	4 R 17x19
18 x 19	6	248.0	11.0	11.7	34.6	36.3	0.230	2306832	4 R 18x19

INCH

Ø AF	∠°	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
1/4 x 5/16	7	134.0	7.0	7.3	17.5	19.3	0.035	2825015	4 R 1/4x5/16AF
5/16 x 11/32	7	134.0	7.0	7.3	17.5	19.3	0.040	2825031	4 R 5/16x11/32AF

Ø AF	∠°	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
3/8 x 7/16	7	153.5	7.7	8.1	21.0	22.5	0.070	2825023	4 R 3/8x7/16AF
1/2 x 9/16	7	197.0	9.4	9.8	28.2	29.5	0.100	2825007	4 R 1/2x9/16AF

1500 CT 1 - 7R

>106



1500 CT 1 - 7UR

>106



1500 CT 2 - 7

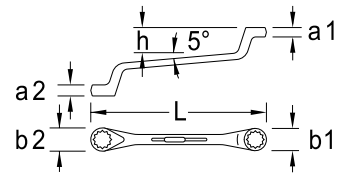
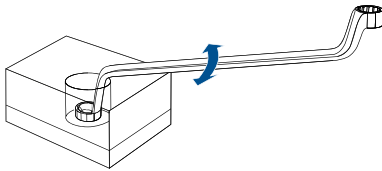
>106



NO. 2 - "OFFSET"

- > Rings deep offset, strong but thin walls
- > Acc. to DIN 838, ISO 3318, ISO 1085, ISO 10104
- > GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised
- > Carefully forged and professionally machined:
- > Ring: thin-walled, 5° deep offset from shaft, with UD profile for gentle transmission of force

- > High bending strength - does not fracture or splinter when overloaded, thus minimising the risk of injury
- > Overloading indicated by deformation
- > Non-glare look thanks to matt chrome-plating
- > Specialist for extremely deep or inset bolts
- > Top-grade industrial quality for the hardest of continuous use



2 DOUBLE ENDED RING SPANNERS



> * not standardised

Ø mm	L	a ₁	a ₂	b ₁	b ₂	h		Code	No.
5,5 x 7	170	5.6	6.6	10.0	12.0	20.7	0.062	6010630	2.5,5x7
6 x 7	170	5.6	6.6	10.5	12.0	20.7	0.045	6015350	2.6x7
7 x 8	180	5.6	6.6	12.0	13.3	21.7	0.068	6015430	2.7x8
8 x 9	182	6.6	7.6	13.3	14.4	21.7	0.065	6015510	2.8x9
8 x 10	182	6.6	8.5	13.3	15.9	21.7	0.072	6015780	2.8x10
9 x 11	195	7.6	9.5	14.4	17.5	23.6	0.086	6015860	2.9x11
10 x 11	195	8.5	9.5	15.9	17.5	23.6	0.089	6015940	2.10x11
10 x 12	195	8.5	9.6	15.9	19.0	23.6	0.089	6016080	2.10x12
10 x 13	212	8.5	10.3	15.9	20.1	25.1	0.122	6016160	2.10x13
11 x 13	212	9.5	10.3	17.5	20.1	25.1	0.129	6016320	2.11x13
12 x 13	212	9.6	10.3	19.0	20.1	25.1	0.125	6016590	2.12x13
12 x 14	212	9.6	10.6	19.0	21.6	25.1	0.134	6016670	2.12x14
13 x 14	225	10.3	10.6	20.1	21.6	26.1	0.156	6016750	2.13x14
13 x 15	225	10.3	11.3	20.1	23.1	26.1	0.160	6016830	2.13x15
13 x 17	245	10.3	12.3	20.1	25.8	27.1	0.212	6017050	2.13x17
14 x 15	225	10.6	11.3	21.6	23.1	26.1	0.154	6016910	2.14x15
14 x 17	245	10.6	12.3	21.6	25.8	27.1	0.227	6017130	2.14x17
16 x 17	245	11.6	12.3	24.2	25.8	27.1	0.205	6017210	2.16x17
16 x 18	265	11.6	12.6	24.2	27.0	28.6	0.250	6025660	2.16x18
17 x 19	265	12.3	13.0	25.8	28.8	28.6	0.250	6017480	2.17x19
18 x 19	265	12.6	13.0	27.0	28.8	28.6	0.258	6017560	2.18x19
18 x 21	285	12.6	13.4	27.0	31.1	31.0	0.327	6025740	2.18x21
19 x 22	287	13.0	14.3	28.8	33.0	31.0	0.352	6017720	2.19x22
19 x 24	305	13.0	14.4	28.8	35.7	33.0	0.419	6017990	2.19x24
20 x 22	287	13.3	14.3	30.1	33.0	31.0	0.345	6017800	2.20x22
21 x 23	305	13.4	14.3	30.9	34.0	33.0	0.411	6018020	2.21x23
21 x 24	307	13.4	14.4	30.9	35.7	33.0	0.386	6025820	2.21x24

Ø mm	L	a ₁	a ₂	b ₁	b ₂	h		Code	No.
22 x 24	307	14.3	14.4	32.8	35.7	33.0	0.412	6018100	2.22x24
24 x 26	325	14.4	15.3	35.7	38.0	34.5	0.503	6018370	2.24x26
24 x 27	325	14.4	15.4	35.7	40.1	34.5	0.506	6018450	2.24x27
24 x 30	345	14.4	16.4	35.7	44.1	35.5	0.579	6018530	2.24x30
25 x 28	345	14.4	15.4	37.0	41.1	35.5	0.565	6018610	2.25x28
27 x 29	345	14.8	16.4	40.1	42.5	35.5	0.678	6018880	2.27x29
27 x 30	345	15.4	16.4	40.1	44.1	35.5	0.628	6018960	2.27x30
27 x 32	370	15.4	17.4	40.1	47.1	37.4	0.701	6019180	2.27x32
30 x 32	370	16.4	17.4	44.1	47.1	37.4	0.731	6019260	2.30x32
30 x 34	375	16.4	18.7	44.1	50.0	37.4	0.763	6025900	2.30x34
30 x 36	400	16.4	19.4	43.2	52.6	38.4	0.872	6019340	2.30x36
32 x 36	400	17.4	19.4	47.1	53.0	38.4	0.878	6019420	2.32x36
34 x 36	420	18.7	19.4	50.0	53.0	38.4	0.929	6026040	2.34x36
36 x 41	440	19.4	20.4	53.0	60.5	40.4	1.166	6019500	2.36x41
38 x 42	440	19.7	20.4	56.4	62.5	40.4	1.207	6019690	2.38x42
41 x 46	485	20.4	22.2	62.0	68.9	42.8	1.535	6019770	2.41x46
46 x 50	535	22.2	23.6	68.9	75.5	47.8	2.035	6019850	2.46x50
55 x 60	610	24.6	25.6	84.9	91.8	54.2	3.125	6019930	2.55x60

2

DOUBLE ENDED RING SPANNER SET



- > Sets of the most used sizes
- > Rings deep offset, strong but thin walls, UD profile
- > Acc. to DIN 838, ISO 3318, ISO 1085, ISO 10104
- > GEDORE vanadium steel 31CrV3, chrome-plated



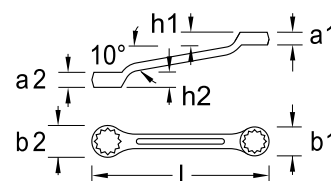
pieces	Contents		Code	No.
8	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	1.297	6030580	2-8
10	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27	2.225	6030740	2-10
10	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 24x27 30x32	2.555	6031120	2-100
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	4.060	6030900	2-12
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	4.000	6031040	2-120
12	6x7 8x9 10x11 12x13 14x15 16x18 17x19 20x22 21x23 24x26 27x32 30x34	3.730	6031390	2-122 ISO

2 B

DOUBLE ENDED RING SPANNER

short pattern

- > Shallow offset
- > Thin walled rings
- > GEDORE vanadium steel 31CrV3, chrome-plated



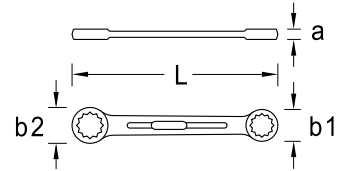
\varnothing mm	L	a_1	a_2	b_1	b_2	h_1	h_2		Code	No.
6 x 7	115	5.5	6.5	10.5	12.0	6	7	0.023	6051150	2 B 6x7
8 x 9	120	6.5	7.5	12.5	13.5	8	9	0.029	6051230	2 B 8x9
10 x 11	125	6.5	7.5	15.0	17.0	8	9	0.037	6051310	2 B 10x11
12 x 13	135	8.5	9.5	18.5	20.0	10	11	0.056	6051580	2 B 12x13
14 x 15	145	9.5	10.5	21.0	22.0	11	12	0.075	6051660	2 B 14x15
17 x 19	155	10.5	11.5	25.0	28.0	15	17	0.105	6051740	2 B 17x19

4 FLAT RING SPANNER

straight pattern

- > Acc. to DIN 837 Form B, ISO 3318, ISO 1085
- > Flat pattern
- > Thin walled rings

- > UD-profile
- > GEDORE vanadium steel 31CrV3, chrome-plated
- * not standardised



Ø mm	L	a	b ₁	b ₂	$\frac{kg}{kg}$	Code	No.
6 x 7	99	4.5	10.0	11.5	0.014	6052710	4 6x7
8 x 9	114	5.2	13.0	14.5	0.024	6053010	4 8x9
8 x 10	115	5.2	13.0	16.0	0.022	6053280	4 8x10
10 x 11	131	5.8	16.0	17.0	0.034	6053440	4 10x11
10 x 13	149	6.4	16.0	20.5	0.045	6053520	4 10x13
12 x 13	149	6.4	19.0	20.5	0.049	6053870	4 12x13
13 x 15	161	7.2	20.5	23.0	0.064	6054170	4 13x15
14 x 15	161	7.2	21.5	23.0	0.064	6054250	4 14x15
13 x 17	167	7.8	20.5	25.5	0.074	6054330	4 13x17
14 x 17	169	7.8	21.5	25.5	0.077	6054410	4 14x17
16 x 17	169	7.8	24.5	25.5	0.084	6054680	4 16x17
17 x 19	186	8.5	25.5	28.0	0.098	6054760	4 17x19
18 x 19	186	8.5	27.0	28.0	0.106	6054840	4 18x19
19 x 22	209	9.4	28.0	32.5	0.136	6054920	4 19x22
20 x 22	*	209	9.4	29.5	0.134	6055060	4 20x22

Ø mm	L	a	b ₁	b ₂	$\frac{kg}{kg}$	Code	No.
19 x 24	*	233	10.0	28.0	0.176	6055140	4 19x24
21 x 23	*	233	10.0	30.5	0.171	6055220	4 21x23
22 x 24		233	10.0	32.5	0.184	6055300	4 22x24
24 x 26	*	261	10.8	35.5	0.230	6055490	4 24x26
24 x 27		260	10.8	35.5	0.249	6055570	4 24x27
25 x 28	*	289	11.6	36.5	0.273	6055730	4 25x28
24 x 30		290	11.6	35.5	0.303	6055650	4 24x30
27 x 32		320	12.6	39.0	0.373	6055810	4 27x32
30 x 32		320	12.6	43.5	0.399	6056030	4 30x32
30 x 36		357	13.8	43.5	0.469	6056110	4 30x36
32 x 36		357	13.8	46.0	0.492	6056380	4 32x36
36 x 41		391	15.0	51.5	0.616	6056460	4 36x41
41 x 46		431	16.2	59.0	0.789	6056540	4 41x46
46 x 50		473	16.5	66.0	1.035	6056620	4 46x50

4 FLAT RING SPANNER SET

- > Made up of sizes most in use
- > Flat pattern
- > Thin walled rings
- > UD-profile
- > Acc. to DIN 837 Form B, ISO 3318, ISO 1085
- > GEDORE vanadium steel 31CrV3, chrome-plated

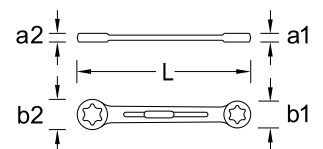


pieces	Contents	$\frac{kg}{kg}$	Code	No.
8	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22	0.521	6061700	4-8
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x26 25x28 27x32	1.549	6062000	4-12
12	6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 25x28 30x32	2.000	6062190	4-120

TX 4 FLAT RING SPANNER

straight pattern, for protruding TORX® head screws

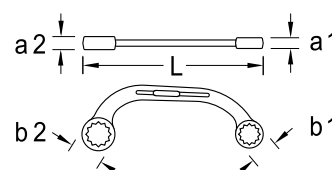
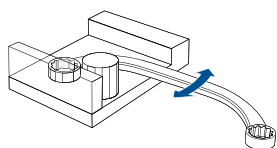
- > GEDORE vanadium steel 31CrV3, chrome-plated
- > TORX® = reg. trademark of Acument Intellectual Properties, LLC. USA



Ø	M	mm	L	a ₁	a ₂	b ₁	b ₂	$\frac{kg}{kg}$	Code	No.
E6xE8	M5 - M7	5,74 x 7,52	110	5.0	6.0	9.0	11.0	0.014	6059800	TX 4 E6xE8
E10xE12	M8 - M10	9,42 x 11,17	140	7.0	8.0	13.0	15.0	0.039	6059990	TX 4 E10xE12
E14xE18	M12 - M14	12,9 x 16,7	180	8.5	9.5	17.0	21.0	0.074	6060140	TX 4 E14xE18
E20xE24	M16 - M20	18,45 x 22,16	226	11.5	13.5	24.5	28.5	0.163	6060220	TX 4 E20xE24

SPECIAL

- > Thin walled rings
- > GEDORE vanadium steel 31CrV3, chrome-plated
- > Specialists in tight spaces

304 / 304 (AF)
HALF-MOON RING SPANNER

Ø mm	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
11 x 13	150	7.0	7.5	17.0	20.5	0.077	6470040	304 11x13
13 x 15	185	8.5	8.5	20.5	23.0	0.129	6470630	304 13x15
13 x 17	185	8.5	8.5	20.5	25.5	0.140	6470120	304 13x17
14 x 16	185	8.5	8.5	21.5	24.5	0.137	6470200	304 14x16

Ø mm	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
14 x 17	185	8.5	8.5	21.5	25.5	0.144	6470390	304 14x17
15 x 17	185	8.5	8.5	23.0	25.5	0.150	6470470	304 15x17
16 x 18	185	8.5	8.5	24.5	27.0	0.163	6567550	304 16x18
19 x 22	230	10.0	10.5	28.0	32.5	0.261	6470550	304 19x22

INCH

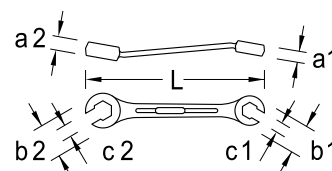
Ø" AF	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
7/16 x 1/2	150	7.0	7.5	17.0	20.5	0.079	6471010	304 7/16x1/2AF
9/16 x 5/8	185	8.5	8.5	21.5	24.5	0.139	6471280	304 9/16x5/8AF

Ø" AF	L	a ₁	a ₂	b ₁	b ₂	⚖	Code	No.
5/8 x 3/4	230	10.0	10.5	24.5	28.0	0.219	6471360	304 5/8x3/4AF
3/4 x 7/8	230	10.0	10.5	28.0	32.5	0.247	6471440	304 3/4x7/8AF

NO. 400

- > Acc. to DIN 3118
- > Sizes 8x10 to 12x14 mm with hexagon

- > GEDORE vanadium steel 31CrV3, chrome-plated
- > For applications involving hydraulic/brake lines

400 (MM) / 400 (AF)
FLARE NUT SPANNER, OPEN

* not standardised

Ø mm	L	a ₁	a ₂	b ₁	b ₂	c ₁	c ₂	⚖	Code	No.
8 x 10	140	6.5	8.0	18	20	6.0	7.0	0.045	6057190	400 8x10
9 x 11	145	7.5	8.5	19	22	6.5	8.5	0.059	6056970	400 9x11
10 x 11	150	8.0	9.5	20	22	7.0	8.5	0.064	6057270	400 10x11
10 x 12	150	8.0	9.5	20	24	7.0	9.0	0.073	6051070	400 10x12
11 x 13	160	8.5	10.5	22	26	8.5	10.0	0.077	6057350	400 11x13
12 x 14	170	9.5	11.2	24	28	9.0	11.0	0.106	6057430	400 12x14
13 x 15	180	10.5	11.8	26	29	10.0	12.0	0.116	6057000	400 13x15
14 x 17	195	11.5	12.2	28	32	11.0	14.0	0.136	6057510	400 14x17

Ø mm	L	a ₁	a ₂	b ₁	b ₂	c ₁	c ₂	⚖	Code	No.
17 x 19	210	12.2	13.2	32	35	14.0	15.0	0.179	6057780	400 17x19
19 x 22	230	13.2	15.2	35	41	15.0	17.0	0.246	6058670	400 19x22
22 x 24	250	15.2	16.2	41	45	17.0	18.0	0.335	6057860	400 22x24
24 x 27	270	16.2	17.2	45	48	18.0	20.0	0.408	6058750	400 24x27
30 x 32	300	20.2	22.2	50	52	22.0	24.0	0.575	6058830	400 30x32
36 x 41	351	25.2	28.2	58	66	25.0	32.0	0.980	1933175	400 36x41
46 x 50	396	31.5	33.5	74	79	35.0	39.0	0.800	2297183	400 46x50

INCH

Ø" AF	L	a ₁	a ₂	b ₁	b ₂	c ₁	c ₂	⚖	Code	No.
5/16 x 3/8	140	6.5	8.0	18	20	6.0	7.0	0.043	6057940	400 5/16x3/8AF
3/8 x 7/16	150	8.0	8.5	20	22	7.0	8.5	0.057	6058080	400 3/8x7/16AF
7/16 x 1/2	160	8.5	10.5	22	26	8.5	10.0	0.076	6058160	400 7/16x1/2AF
1/2 x 9/16	170	9.5	11.2	24	28	10.0	11.0	0.092	6058240	400 1/2x9/16AF

Ø" AF	L	a ₁	a ₂	b ₁	b ₂	c ₁	c ₂	⚖	Code	No.
9/16 x 5/8	195	11.2	12.2	28	32	11.0	13.0	0.129	6058320	400 9/16x5/8AF
5/8 x 3/4	210	12.2	13.2	32	35	13.0	15.0	0.178	6058400	400 5/8x3/4AF
3/4 x 7/8	230	13.2	15.2	35	41	15.0	17.0	0.235	6056700	400 3/4x7/8AF
7/8 x 1	250	15.2	16.2	41	45	17.0	19.0	0.304	6058590	400 7/8x1AF