

# Технические характеристики

## По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

GROZ Reversible Ratcheting Spanners designed for high torque applications with outstanding quality & performance

72 teeth, strong gear ratcheting ring with 5° arc for smooth movement

Ratcheting ring feature allows increased working speed, eliminating the need to remove the spanner from the fastener after each turn

Narrow and thin head, combined with fine gear tooth design makes the Ratcheting Spanner suitable for working in tight and hard to access areas where a ratchet and socket will not fit.

Reversible lever to change the action direction

15° offset at ring end, makes it easy to gain access to the fasteners and achieve high leverage

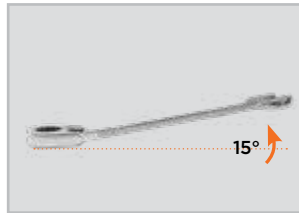
Chrome plated for corrosion protection with ultra premium finish for scratch proof surface



**72 Teeth with 5 degree action arc:**  
Provide extreme high torque for professional users



**Reversible Lever:**  
Makes it easy to switch the action direction



**Higher Accessibility:**  
Offset at the ring end with 15° angle for easier access & higher leverage

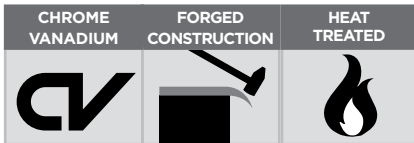


CSS/RRT/7ST/UG

Reversible Lever

72 Teeth Ratchet

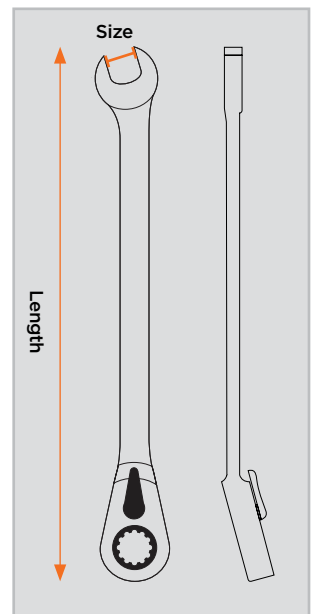
Bi-hex profile:  
Grips the fastener better



### ORDERING INFORMATION

CAT NR.	ORD. NR.	SIZE	LENGTH		WEIGHT
		(MM)	(INCH)	(MM)	(GMS)
*CSP/RRT/8/UG	33802	8	5 - 1/2	140	40
*CSP/RRT/10/UG	33804	10	6 - 5/16	160	55
*CSP/RRT/12/UG	33806	12	6 - 11/16	170	80
*CSP/RRT/13/UG	33807	13	7 - 3/32	180	95
*CSP/RRT/14/UG	33808	14	7 - 1/2	190	110
*CSP/RRT/17/UG	33811	17	9	225	180
*CSP/RRT/19/UG	33813	19	9 - 5/8	245	235
<b>SET</b>					
CSS/RRT/7ST/UG	33850	7 pc set: 8, 10, 12, 13, 14, 17, 19 mm			

\* Best Seller



Conforms to DIN 3110

Cold stamped from chrome vanadium 31 CRV3 Steel

Fully heat treated to 44-48 HRC for increased work life



Elliptical pattern spanners

Rust proof matte finish

Size laser etched on both ends for easy identification

Available as loose or in sets in metric sizes



CHROME VANADIUM	HEAT TREATED BODY	CONFORMS TO
	 44-48 HRC	DIN 3110

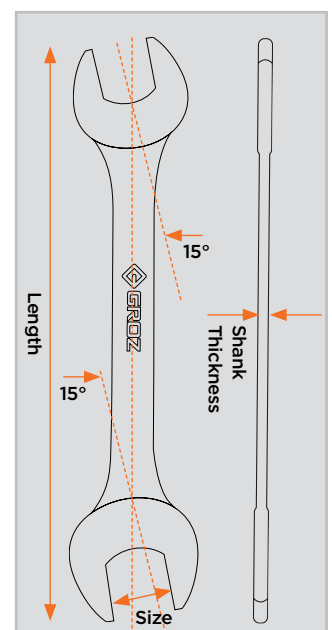
### ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	LENGTH		SHANK THICKNESS	WEIGHT
		(MM)	INCH	(MM)	(MM)	(GMS)
*DOSP/SF/6-7/S	34250	6 x 7	5	126	2.60	25
*DOSP/SF/8-9/S	34252	8 x 9	5 - 19/32	142	2.60	35
DOSP/SF/8-10/S	34251	8 x 10	5 - 19/32	142	2.6	35
*DOSP/SF/10-11/S	34253	10 x 11	6 - 3/16	157	3	50
DOSP/SF/10-12/S	34254	10 x 12	6 - 3/16	157	3	50
*DOSP/SF/12-13/S	34255	12 x 13	6 - 11/16	170	3.3	70
*DOSP/SF/14-15/S	34256	14 x 15	7 - 3/8	187	3.6	95
DOSP/SF/14-17/S	34257	14 x 17	8	202	3.8	110
*DOSP/SF/16-17/S	34258	16 x 17	8	202	4	120
*DOSP/SF/18-19/S	34259	18 x 19	8 - 21/32	220	4	170
DOSP/SF/19-22/S	34260	19 x 22	9 - 1/8	232	4.4	210
*DOSP/SF/20-22/S	34261	20 x 22	9 - 1/8	232	4.4	210
DOSP/SF/21-23/S	34262	21 x 23	9 - 11/16	246	4.9	250
DOSP/SF/24-27/S	34263	24 x 27	10 - 7/16	265	5.3	330
DOSP/SF/25-28/S	34264	25 x 28	10 - 27/32	275	5.8	380
DOSP/SF/27-32/S	34265	27 x 32	11 - 19/32	295	5.7	425
DOSP/SF/30-32/S	34266	30 x 32	11 - 23/32	298	6.2	480
DOSP/SF/32-36/S	34267	32 x 36	12 - 13/32	315	7.2	680
DOSP/SF/36-41/S	34268	36 x 41	14	355	7.7	770
DOSP/SF/41-46/S	34269	41 x 46	16 - 11/32	415	10.7	1485
DOSP/SF/46-50/S	34270	46 x 50	18 - 3/32	460	11.5	1900

#### SETS

*DOSS/SF/8/S/ST	34242	8 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm
DOSS/SF/12/S/ST	34243	12 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm

\* Best Seller



Ring spanners have an elliptical pattern & are cold stamped from chrome vanadium (31CrV3) steel

Conform to DIN 838

Spanners feature super drive broach reducing corner rounding & applying more torque



Fully heat treated to 42-48 HRC for increased work life

Rust proof matte finish

Size laser etched on both ends for easy identification

Available as loose or in sets in metric sizes



CHROME VANADIUM	HEAT TREATED BODY	CONFORMS TO
	 42-48 HRC	DIN 838

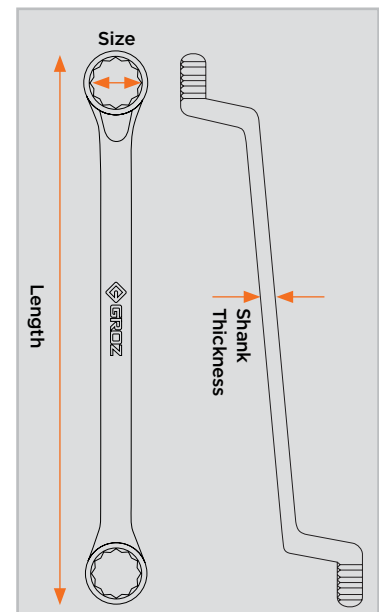
### ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE			LENGTH (MM)	SHANK THICKNESS (MM)	WEIGHT (GMS)
		(MM)	(INCH)	(MM)			
*RSP/SF/6-7/S	34350	6 x 7	6 - 7/8	175	4.4	55	
*RSP/SF/8-9/S	34352	8 x 9	7 - 9/32	185	4.5	70	
RSP/SF/8-10/S	34351	8 x 10	7 - 9/32	185	4.5	70	
*RSP/SF/10-11/S	34353	10 x 11	7 - 13/16	198	5.2	90	
RSP/SF/10-12/S	34354	10 x 12	7 - 13/16	198	5.2	90	
*RSP/SF/12-13/S	34355	12 x 13	8 - 7/16	215	5.4	115	
*RSP/SF/14-15/S	34356	14 x 15	9	228	5.6	150	
RSP/SF/14-17/S	34357	14 x 17	9 - 7/16	240	6.2	310	
*RSP/SF/16-17/S	34358	16 x 17	9 - 11/16	246	6.2	190	
*RSP/SF/18-19/S	34359	18 x 19	10 - 9/16	268	6.4	235	
RSP/SF/19-22/S	34360	19 x 22	11 - 1/2	292	6.9	315	
*RSP/SF/20-22/S	34361	20 x 22	11 - 1/2	292	6.9	315	
RSP/SF/21-23/S	34362	21 x 23	12 - 13/32	315	7.1	350	
RSP/SF/24-27/S	34363	24 x 27	13	328	7.6	450	
RSP/SF/25-28/S	34364	25 x 28	13 - 7/16	342	7.8	500	
RSP/SF/27-32/S	34365	27 x 32	15	380	8.4	630	
RSP/SF/30-32/S	34366	30 x 32	14 - 9/16	370	8.8	630	
RSP/SF/36-41/S	34367	36 x 41	18 - 3/32	460	10.3	1050	

#### SETS

*RSS/SF/8/S/ST	34342	8 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22 mm
RSS/SF/12/S/ST	34343	12 pc Metric Set, 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32 mm

\* Best Seller



## Combination Spanners / Wrenches

Conforms to DIN 3113A

Combination spanners also referred to combination wrenches are cold stamped from chrome vanadium (31CrV3) steel

Fully heat treated to 42-48 HRC for increased work life

Wrenches feature a super drive broach reducing corner rounding & applying more torque



15° Offset - optimal for most applications

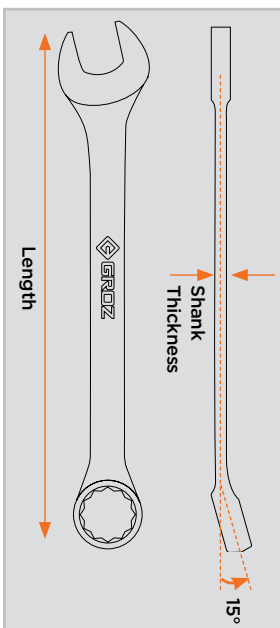
Size stamped on both ends for easy identification

Available as loose or in sets in both metric & SAE sizes



Satin Finish  
Combination Spanners

CHROME VANADIUM	HEAT TREATED BODY	CONFORMS TO
	 42-48 HRC	DIN 3113A



Mirror Finish Combination  
Wrenches (US Pattern -  
Heavy Profile)

## ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	LENGTH		SHANK THICKNESS	WT.
		(MM)	(INCH)	(MM)	(MM)	(GMS)
<b>SATIN FINISH COMBINATION SPANNERS</b>						
CSP/DIN/6G	34000	6	4	100	2.6	20
CSP/DIN/7G	34001	7	4 - 5/16	110	2.8	25
*CSP/DIN/8G	34002	8	4 - 17/32	115	3.0	30
CSP/DIN/9G	34003	9	5	125	3.3	35
*CSP/DIN/10G	34004	10	5 - 5/16	135	3.4	40
CSP/DIN/11G	34005	11	5 - 3/32	145	3.5	45
*CSP/DIN/12G	34006	12	6 - 3/32	155	3.7	60
*CSP/DIN/13G	34007	13	6 - 1/2	165	4.1	70
*CSP/DIN/14G	34008	14	6 - 23/32	171	4.3	85
CSP/DIN/15G	34009	15	7 - 9/32	185	4.4	95
CSP/DIN/16G	34010	16	7 - 21/32	195	4.4	115
*CSP/DIN/17G	34011	17	8 - 1/4	210	4.4	135
CSP/DIN/18G	34012	18	8 - 21/32	220	4.8	155
*CSP/DIN/19G	34013	19	9	230	4.9	165
CSP/DIN/20G	34014	20	9 - 7/16	240	5.0	185
CSP/DIN/21G	34015	21	9 - 5/8	245	5.1	210
CSP/DIN/22G	34016	22	9 - 25/32	248	5.4	220
CSP/DIN/23G	34017	23	10 - 1/14	260	5.5	245
*CSP/DIN/24G	34018	24	10 - 5/8	270	5.6	280
CSP/DIN/25G	34019	25	11 - 3/32	282	5.9	295
CSP/DIN/26G	34020	26	11 - 13/32	290	6.0	320
CSP/DIN/27G	34021	27	12	300	6.2	380
CSP/DIN/28G	34022	28	12 - 7/32	310	6.3	410
CSP/DIN/29G	34023	29	13	330	6.8	460
CSP/DIN/30G	34024	30	13	330	6.8	490
CSP/DIN/32G	34025	32	13 - 25/32	350	7.5	600
CSP/DIN/33G	34026	33	14 - 29/32	380	7.6	730
CSP/DIN/34G	34027	34	14 - 29/32	380	7.6	730
CSP/DIN/35G	34028	35	14 - 29/32	380	7.6	730
CSP/DIN/36G	34029	36	16	400	7.8	900
CSP/DIN/38G	34030	38	16	400	7.8	900
CSP/DIN/41G	34031	41	17 - 13/16	452	8.3	1200
CSP/DIN/46G	34032	46	19 - 9/16	497	10.6	1680
CSP/DIN/50G	34033	50	21 - 1/4	540	11.5	2000
<b>SETS</b>						
CSS/DIN/12G/ST	34040	12 pc Metric Set, Sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 22 mm				
CSS/DIN/14G/ST	34041	14 pc Metric Set, Sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24 mm				

\* Best Seller





# Combination Spanners / Wrenches (continued)

## ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	CAT NR.	ORD NR.	SIZE	LENGTH		SHANK THICKNESS	WT.
		(MM)			(INCH)	(INCH)	(MM)	(GMS)	
<b>MIRROR FINISH COMBINATION WRENCHES (US PATTERN - HEAVY PROFILE)</b>									
CSP/FP/6	34045	6	CSP/FP/1-4	34071	1/4	4 - 7/8	124	3.0	21
CSP/FP/7	34046	7				5 - 1/32	129	3.0	23
CSP/FP/8	34047	8	CSP/FP/5-16	34072	5/16	5 - 5/16	136	3.2	30
CSP/FP/9	34048	9	CSP/FP/3-8	34073	3/8	5 - 13/16	149	3.5	44
CSP/FP/10	34049	10				6 - 5/16	161	4.2	58
CSP/FP/11	34050	11	CSP/FP/7-16	34074	7/16	6 - 19/32	168	4.3	61
CSP/FP/12	34051	12				6 - 27/32	174	4.8	77
CSP/FP/13	34052	13	CSP/FP/1-2	34075	1/2	7 - 3/32	180	4.9	83
CSP/FP/14	34053	14	CSP/FP/9-16	34076	9/16	7 - 9/16	193	5.4	112
CSP/FP/15	34054	15				8	200	5.3	116
CSP/FP/16	34055	16	CSP/FP/5-8	34077	5/8	8 - 1/8	207	5.5	125
CSP/FP/17	34056	17	CSP/FP/11-16	34078	11/16	9	227	6.2	178
CSP/FP/18	34057	18				9 - 13/32	239	6.4	186
CSP/FP/19	34058	19	CSP/FP/3-4	34079	3/4	10	250	7.0	235
CSP/FP/20	34059	20				10 - 1/4	260	7.0	245
CSP/FP/21	34060	21	CSP/FP/13-16	34080	13/16	10 - 21/32	271	7.2	280
CSP/FP/22	34061	22	CSP/FP/7-8	34081	7/8	11 - 19/32	295	7.6	335
CSP/FP/23	34062	23				11 - 19/32	295	7.6	335
CSP/FP/24	34063	24	CSP/FP/15-16	34082	15/16	12 - 19/32	317	8.0	390
CSP/FP/25	34064	25	CSP/FP/0-1	34083	1	13 - 11/32	339	8.35	480
CSP/FP/26	34065	26				13 - 11/32	339	8.35	480
CSP/FP/27	34066	27	CSP/FP/1-1-16	34084	1-1/16	14 - 1/4	362	9.0	555
CSP/FP/28	34067	28	CSP/FP/1-1-8	34085	1-1/8	15 - 1/2	394	9.3	695
CSP/FP/29	34068	29				15 - 1/2	394	9.3	745
CSP/FP/30	34069	30				15 - 1/2	394	9.3	775
CSP/FP/32	34070	32	CSP/FP/1-1-4	34086	1-1/4	16 - 7/8	429	9.9	860
<b>SETS</b>									
CSS/FP/15/ST	34092	15 pc Metric Set, Sizes: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 mm							
CSS/FP/14-SAE/ST	34093	14 pc SAE Set, Sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"							
CSS/FP/16-SAE/ST	34094	16 pc SAE Set, Sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-1/4"							
CSS/FP/22-SM/ST	34095	22 pc SAE + Metric Set, SAE Sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"; Metric Sizes: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm							

Conforms to DIN 3113B

Elliptical pattern wrenches have a rust proof satin finish

Offset combination spanners are cold stamped from Chrome Vanadium (31CrV3) steel

Size stamped on both ends for easy identification

Fully heat treated to 42-48 HRC for increased work life

Available as loose or in sets

Wrenches feature a super drive broach reducing corner rounding & applying more torque




### ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE	LENGTH		SHANK THICKNESS	WT.
		(MM)	(INCH)	(MM)	(MM)	(GMS)
CSP/OF/SF/6G	34150	6	4	100	2.5	20
CSP/OF/SF/7G	34151	7	4 - 11/32	110	2.6	25
*CSP/OF/SF/8G	34152	8	4 - 23/32	120	2.9	30
*CSP/OF/SF/9G	34153	9	5 - 1/8	130	3.2	35
*CSP/OF/SF/10G	34154	10	6 - 3/32	155	3.2	50
CSP/OF/SF/11G	34155	11	6 - 3/8	162	3.5	60
*CSP/OF/SF/12G	34156	12	6 - 11/16	170	3.5	70
*CSP/OF/SF/13G	34157	13	7	178	4.0	85
*CSP/OF/SF/14G	34158	14	7 - 9/16	192	4.0	100
CSP/OF/SF/15G	34159	15	8 - 1/4	210	4.2	110
CSP/OF/SF/16G	34160	16	8 - 21/32	220	4.5	125
*CSP/OF/SF/17G	34161	17	9	226	4.5	145
CSP/OF/SF/18G	34162	18	9 - 7/16	240	4.6	165
*CSP/OF/SF/19G	34163	19	9 - 11/16	246	5.1	195
CSP/OF/SF/20G	34164	20	10 - 1/4	260	5.7	245
CSP/OF/SF/21G	34165	21	10 - 5/8	270	5.7	270
CSP/OF/SF/22G	34166	22	11	275	5.7	280
CSP/OF/SF/23G	34167	23	13 - 3/8	320	5.8	340
*CSP/OF/SF/24G	34168	24	13 - 3/8	320	5.8	340
CSP/OF/SF/25G	34169	25	16 - 1/2	343	5.9	420
CSP/OF/SF/26G	34170	26	16 - 1/2	343	6.4	420
CSP/OF/SF/27G	34171	27	20 - 1/2	370	6.4	520
CSP/OF/SF/28G	34172	28	20 - 1/2	370	6.4	520
CSP/OF/SF/29G	34173	29	26 - 3/8	395	6.4	670
CSP/OF/SF/30G	34174	30	26 - 3/8	395	6.4	670
CSP/OF/SF/32G	34175	32	30 - 1/2	418	6.5	775
<b>JUMBO SIZES</b>						
CSP/OF/SF/33G	34176	33	17	430	6.8	780
CSP/OF/SF/34G	34177	34	17	430	6.8	780
CSP/OF/SF/36G	34178	36	17-23/32	450	7.5	855
CSP/OF/SF/38G	34147	38	18-1/8	460	7.7	1081
CSP/OF/SF/41G	34179	41	19-3/32	485	7.8	1150
CSP/OF/SF/46G	34149	46	20-9/32	515	8.7	1480


CAT NR.	ORD NR.	SIZE
<b>SETS</b>		
CSS/OF/17G/ST	34184	17 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 17, 19, 20, 21, 22 mm
CSS/OF/18G/ST	34185	18 pc Metric Set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 17, 19, 20, 21, 22, 24 mm
CSS/OF/26G/ST	34186	26 pc Metric Set: 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

\* Best Seller

**CHROME VANADIUM**



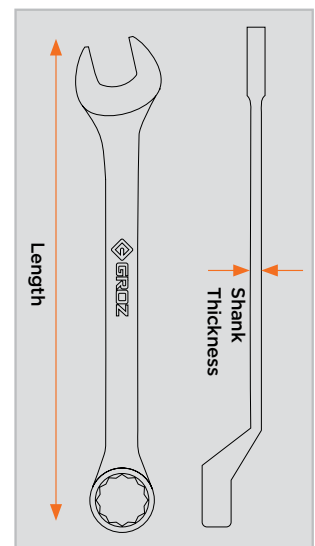
**HEAT TREATED BODY**



**42-48 HRC**

**CONFORMS TO**

**DIN 3113B**





**NEW!**

Acc DIN 7444

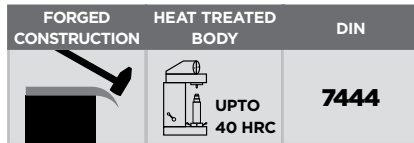
Forged from special manganese steel for higher strength as compared to conventional slogging wrenches

Accurately hardened & tempered upto 40 HRC for higher strength & durability

One end is shaped to fit a nut and the other is enlarged to receive blows from a hammer. The shock of the impact is useful in breaking rust/ paint

Phosphating on surface ensures no chipping off during hammering and also resists corrosion

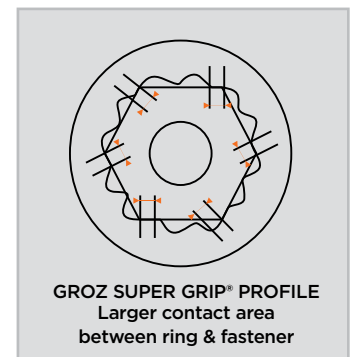
Ideal for use in ship maintenance, mining, piping and other similar industrial applications



### ORDERING INFORMATION

CAT NR.	ORD NR.	SIZE (MM)
RSW/22P/G	31827	22
RSW/24P/G	31828	24
*RSW/27P/G	31829	27
*RSW/30P/G	31830	30
RSW/32P/G	31831	32
RSW/34P/G	31832	34
*RSW/36P/G	31833	36
RSW/38P/G	31834	38
*RSW/41P/G	31835	41
RSW/46P/G	31836	46
RSW/50P/G	31837	50
RSW/55P/G	31838	55
RSW/60P/G	31839	60
RSW/65P/G	31840	65
RSW/70P/G	31841	70
RSW/75P/G	31842	75
RSW/80P/G	31843	80
RSW/85P/G	31844	85
RSW/90P/G	31845	90
RSW/95P/G	31846	95

\* Best Seller



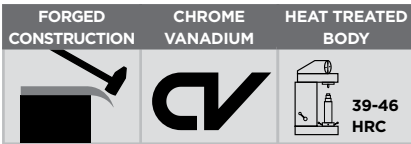
**Super Grip Profile:** GROZ Ring Slogging Wrenches incorporate the super grip profile that features round points facilitating contact between ring & fastener wall, keeping pressure off the corners. The GROZ Super grip profile helps deliver more torque & provides better grip even on fasteners rounded up to 50%

Forged from Chrome Vanadium Steel, hardened 39-46 HRC and tempered

Used for tightening and slackening large nuts & bolts in ship maintenance, mining, piping and other similar industrial applications.

One end is shaped to fit a nut and the other is enlarged to receive blows from a hammer. The shock of the impact is useful in breaking rust/ paint

These are available in 2 types:  
**a. Ring Slogging Wrenches**  
**b. Open Jaw Slogging Wrenches**



Ring Slogging Wrenches

Open Jaw Slogging Wrenches

### ORDERING INFORMATION

CAT. NR.	ORD NR.	SIZE (MM)
<b>RING SLOGGING WRENCHES - METRIC</b>		
RSW/22	31825	22
RSW/24	31800	24
★RSW/27	31801	27
★RSW/30	31802	30
RSW/32	31803	32
RSW/34	31804	34
★RSW/36	31805	36
RSW/38	31806	38
★RSW/41	31807	41
RSW/42	31814	42
RSW/46	31808	46
RSW/50	31809	50
RSW/55	31810	55
RSW/60	31811	60
RSW/65	31812	65
RSW/70	31813	70
RSW/75	31815	75
RSW/80	31816	80
RSW/85	31817	85
RSW/90	31818	90
RSW/95	31819	95
■ RSW/100	31820	100
■ RSW/105	31821	105
■ RSW/110	31822	110
■ RSW/115	31823	115
■ RSW/120	31824	120

CAT. NR.	ORD NR.	SIZE (INCH)
<b>RING SLOGGING WRENCHES - IMPERIAL</b>		
◆RSW/1-1-16	31877	1-1/16
◆RSW/1-1-8	31878	1-1/8
◆RSW/1-1-4	31879	1-1/4
◆RSW/1-3-8	31880	1-3/8
◆RSW/1-7-16	31881	1/7/16
◆RSW/1-1-2	31882	1-1/2
◆RSW/1-5-8	31883	1-5/8
◆RSW/1-3-4	31884	1-3/4
◆RSW/1-13-16	31885	1-13/16
◆RSW/1-7-8	31886	1-7/8
◆RSW/2	31887	2
◆RSW/2-1-16	31888	2-1/16
◆RSW/2-1-8	31889	2-1/8
◆RSW/2-3-16	31890	2-3/16
◆RSW/2-1-4	31891	2-1/4
◆RSW/2-3-8	31892	2-3/8
◆RSW/2-1-2	31893	2-1/2
◆RSW/2-9-16	31894	2-9/16
◆RSW/2-5-8	31895	2-5/8
◆RSW/2-3-4	31896	2-3/4
◆RSW/2-15-16	31897	2-15/16
◆RSW/3	31898	3

CAT. NR.	ORD NR.	SIZE (MM)
<b>OPEN JAW SLOGGING WRENCHES</b>		
OSW/22	31850	22
OSW/24	31851	24
OSW/27	31852	27
OSW/30	31853	30
OSW/32	31854	32
OSW/34	31855	34
OSW/36	31856	36
OSW/38	31857	38
OSW/41	31858	41
OSW/42	31875	42
OSW/46	31859	46
OSW/50	31860	50
OSW/55	31861	55
OSW/60	31862	60
OSW/65	31863	65
OSW/70	31864	70
OSW/75	31865	75
OSW/80	31866	80
OSW/85	31867	85
OSW/90	31868	90
OSW/95	31869	95
■ OSW/100	31870	100
■ OSW/105	31871	105
■ OSW/110	31872	110
■ OSW/115	31873	115
■ OSW/120	31874	120

★ Best Seller    ■ Made to Order

◆ New



## Box Spanners (Box Wrenches)

Manufactured from high quality steel tubing, these double ended box wrenches have a different socket size on each end.

Thin and long body allows these to be used to loosen or tighten nuts and bolts in narrow, recessed areas.

Box wrenches are used with tommy bars which is passed through the holes provided in the sides of the wrench. Supplied complete with tommy bars.

These are available in 2 types:

**a. Metric Sizes**

Size is measured as the width of the nut across hexagon flats

**b. BA Sizes**

Measured in accordance with British Association specifications



### ORDERING INFORMATION

CAT. NR.	ORD NR.	NOMINAL SIZE	LENGTH	TOMMY BAR	
			(MM)	LENGTH (MM)	DIA (MM)
<b>METRIC SIZES</b>					
BW/6-7	32000	6 mm x 7 mm	102	77	3
BW/8-9	32001	8 mm x 9 mm	102	102	6
BW/10-11	32002	10 mm x 11 mm	102	102	6
BW/12-13	32003	12 mm x 13 mm	102	102	6
BW/14-15	32004	14 mm x 15 mm	127	152	9
BW/16-17	32005	16 mm x 17 mm	127	152	9
BW/18-19	32006	18 mm x 19 mm	127	152	9
BW/20-21	32007	20 mm x 21 mm	127	152	9
BW/22-23	32008	22 mm x 23 mm	127	152	9
BW/24-25	32009	24 mm x 25 mm	152	203	12
BW/26-27	32010	26 mm x 27 mm	152	203	12
BW/30-32	32013	30 mm x 32 mm	152	256	16
<b>SETS</b>					
BW/6M/ST	32019	A set of 6 Box wrenches in sizes 8x9, 10x11, 12x13, 14x15, 16x17 & 18x19 with two Tommy bars, packed in a vinyl pouch.			
<b>BA SIZES</b>					
BW/BA/0-1	32200	0.423" x 0.368"	76.5	77	5
BW/BA/2-3	32201	0.330" x 0.283"	76.5	77	5
BW/BA/4-5	32202	0.254" x 0.222"	76.5	77	5
BW/BA/6-7	32203	0.198" x 0.173"	76.5	77	3
BW/BA/8-9	32204	0.157" x 0.134"	76.5	77	3
▶ BW/BA/10	32205	0.118"	76.5	77	3
<b>SETS</b>					
BW/BA/6/ST	32208	A set of 6 Box wrenches in sizes : 0.423" x 0.368", 0.330" x 0.283", 0.254" x 0.222", 0.198" x 0.173", 0.157" x 0.134", and 0.118" with two Tommy Bars, packed in a vinyl pouch.			

▶ Single Ended

# 64

## Wheel Wrenches - Double Ended

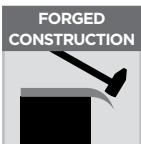
Heavy Duty Double Ended Wheel Wrenches, also referred to as Truck Wrenches are used to open lug nuts on trucks, buses, farm and off-road vehicles.

Forged from alloy steel with rust inhibiting bright nickel plating.

Supplied with Tommy Bar



Alloy Steel  
Wheel Wrenches  
With Tommy Bar



### ORDERING INFORMATION

CAT. NR.	ORD NR.	SIZE	OVERALL LENGTH	
		(MM)	(INCH)	(MM)
WW/D/24-27	31900	24 x 27	16	400
*WW/D/27-30	31901	27 x 30	16	400
WW/D/27-32	31902	27 x 32	16	400
WW/D/27-33	31903	27 x 33	16	400
*WW/D/30-32	31904	30 x 32	16	400
*WW/D/30-33	31905	30 x 33	16	400
WW/D/32-38	31906	32 x 38	16	400
WW/D/35-17	31907	35 x 17	16	400
WW/D/38-21	31908	38 x 21	16	400
*WW/D/41-21	31909	41 x 21	16	400
<b>SPARE TOMMY BAR</b>				
TMB/WW/D/430-19	31940	430mm x 19mm		

\* Best Seller



**65**

## Telescopic Wheel Wrench

WW/TP

**NEW!**

GROZ extending wheel nut wrench is designed to loosen out and remove even the most rusted and jammed wheel nuts.

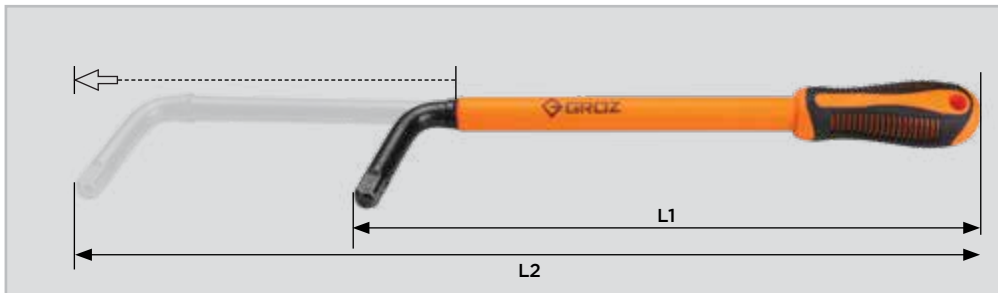
Telescopic handle extends from 14" (350 mm) to 22" (550 mm) giving extra leverage for ease of use. Compacts to 14" for easy storage

Manufactured from alloy steel, the wrench comes in premium powder coated finish

Fitted with TPR handle for ergonomic grip & comfort in use

Comes with two 1/2" square drive dual side sockets 17x19 mm & 19x21 mm to cover almost every automotive application

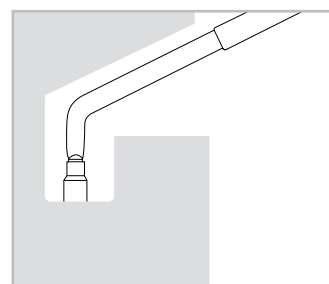
Compact & lightweight solution for all vehicles



Two dual side sockets  
17x19 mm & 19x21 mm



1/2" Square drive in the center of the socket permits use of both hex sides



Convenient access in difficult to reach areas

### ORDERING INFORMATION

CAT NR.	ORD NR.	SQ. DRIVE	LENGTH COMPACT (L1)		LENGTH EXTENDED (L2)	
			(INCH)	(MM)	(INCH)	(MM)
WW/TP/17-21/ST	31950	1/2	14	350	22	550

## COMBINATION RATCHETING WRENCHES EXTRA LONG

### Product Brief

Ideal choice for quick & convenient use in tight spaces

Exceeds ANSI and DIN standard

Especially designed for high torque applications with outstanding quality & performance

15% longer than traditional ratcheting wrenches, giving the user more leverage with less effort

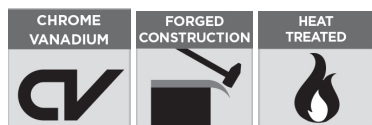
72 teeth, strong gear ratcheting ring with 5° arc for smooth movement

Ratcheting ring feature allows increased working speed, eliminating the need to remove the wrench from the fastener after each turn

Fine gear tooth design makes the Ratcheting Wrench suitable for working in tight and hard to access areas where a ratchet and socket will not fit

Narrow and thin head with a wider turning angle ensures the user has more space to operate

Chrome plated for corrosion protection with ultra premium finish for scratch proof surface



CAT NR.	ORD NR.	SIZE	CAT NR.	ORD NR.	SIZE	LENGTH
		(MM)			(INCH)	(MM) (INCH)
<b>METRIC SIZES</b>			<b>IMPERIAL SIZES</b>			
CSP/XRT/8/UG	33862	8	CSP/XRT/5-16/UG	33961	5/16	148 5-27/32
CSP/XRT/10/UG	33864	10	CSP/XRT/3-8/UG	33962	3/8	167 6-37/64
CSP/XRT/12/UG	33866	12	-	-	-	196 7-23/32
CSP/XRT/13/UG	33867	13	CSP/XRT/1-2/UG	33964	1/2	205 8
CSP/XRT/14/UG	33868	14	CSP/XRT/9-16/UG	33965	9/16	223 8-25/32
CSP/XRT/17/UG	33871	17	CSP/XRT/11-16/UG	33967	11/16	262 10-21/64
CSP/XRT/19/U	33873	19	CSP/XRT/3-4/UG	33968	3/4	281 11
<b>SET</b>						
CSS/XRT/7ST/UG	33890		Set of 7 extra long Ratching Spanners in metric sizes			

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