

PR-TYPE SPLINE BOX END WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **15° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Spline box works on all fastener types.
- Superior life-time test.



15° offset box end for knuckle clearance.



PR-TYPE SPLINE BOX END WRENCH



NPRSP

Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition / Black Oxide Finish
Feature | Flat Panel
15° Offset Box End
Spline Box
Regular / Non-slip Open End

Size (inch/star)	Wt. (g)	L (mm)	Size (mm/star)	Wt. (g)	L (mm)
5/16 E10	27	136	8 E10	28	136
3/8 E12	41	149	9 -	43	149
7/16 E14	57	168	10 E12	54	161
1/2 E16	79	180	11 E14	58	168
9/16 E18	101	193	12 -	71	174
5/8 E20	136	207	13 E16	79	180
11/16 E22	166	227	14 E18	104	193
3/4 E24	230	250	15 -	124	200
13/16 -	280	271	16 E20	135	207
7/8 E28	340	295	17 E22	169	227
			18 -	207	239
			19 E24	230	250
			21 -	280	271
			22 E28	340	295

COMPARATIVE TABLE

AVAILABLE SIZES OF DIFFERENT FASTENERS

- Spline box works on all fastener types.



Size (mm/inch)	Size (mm/inch)	Size (mm)	Size (star)
8 5/16	7 9/32	8 E10	
9 11/32	8 5/16	9 -	
10 3/8	- 11/32	10 E12	
11 7/16	9 3/8	11 E14	
12 15/32	10 13/32	12 -	
13 1/2	11 7/16	13 E16	
14 9/16	12 15/32	14 E18	
15 19/32	- 1/2	15 -	
16 5/8	13 17/32	16 E20	
17 11/16	14 9/16	17 E22	
18 -	15 19/32	18 -	
19 3/4	16 5/8	19 E24	
21 13/16	18 11/16	21 -	
22 7/8	19 3/4	22 E28	

PR-TYPE SPEEDY OPEN END WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **15° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- **Speedy open end** allows wrench to travel without removing from fastener.
- Superior life-time test.



15° offset box end for knuckle clearance.



PR-TYPE

MECHANIC

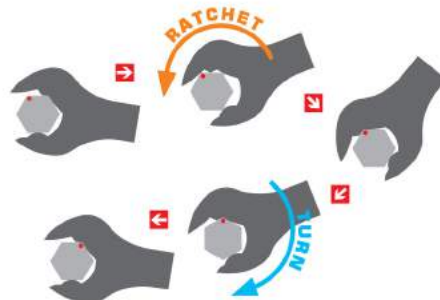
PR-TYPE SPEEDY OPEN END WRENCH



NPRQ2

Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Flat Panel
15° Offset Box End
12 Point / 6 Point / Spline Box
Speedy Open End

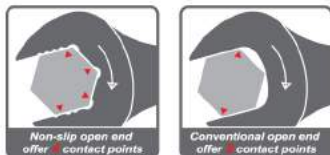
Size (Inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
5/16	31	136	8	29	136
3/8	42	149	9	41	149
7/16	57	168	10	55	161
1/2	82	180	11	56	168
9/16	108	193	12	78	174
5/8	140	207	13	83	180
11/16	180	227	14	108	193
3/4	230	250	15	120	200
			16	140	207
			17	187	227
			18	196	239
			19	230	250



Speedy open end allows wrench to travel without removing from fastener.

PR-TYPE DOUBLE OPEN WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slippage.



PR-TYPE DOUBLE OPEN WRENCH

MECHANIC
A.N.S.I.
STANDARD

INPRO

Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition /
Black Oxide Finish
Feature | Flat Panel
Regular / Non-slip Open End

Size (inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
1/4x5/16	-	126	6x7	-	126	19x21	-	240
5/16x3/8	-	135	6x8	26	126	20x22	-	255
3/8x7/16	-	146	8x9	-	135	21x23	270	255
7/16x1/2	-	156	8x10	36	135	22x24	-	293
1/2x9/16	-	165	10x11	-	146	24x26	-	293
9/16x5/8	-	185	10x12	52	146	24x27	400	293
19/32x5/8	-	185	11x12	-	156	24x30	-	334
5/8x11/16	-	185	11x13	-	165	25x27	-	334
5/8x3/4	-	210	12x13	-	165	25x28	-	334
11/16x3/4	-	227	12x14	83	165	26x29	-	334
11/16x13/16	-	240	13x15	-	185	27x30	-	368
3/4x13/16	-	240	14x15	-	185	27x32	-	368
13/16x7/8	-	255	14x17	135	185	28x30	-	368
15/16x1"	-	293	15x17	-	185	29x30	-	368
1"x1-1/16	-	334	16x17	233	185	29x32	-	368
1"x1-1/8	-	334	16x18	-	210	30x32	630	368
1-1/16x1-1/8	-	334	17x19	-	227			
1-1/8x1-1/4	-	368	18x19	200	227			
1-3/16x1-1/4	-	368	17x21	-	240			
			18x21	-	240			

SN-TYPE EXTRA LONG SPEEDY OPEN END WRENCH

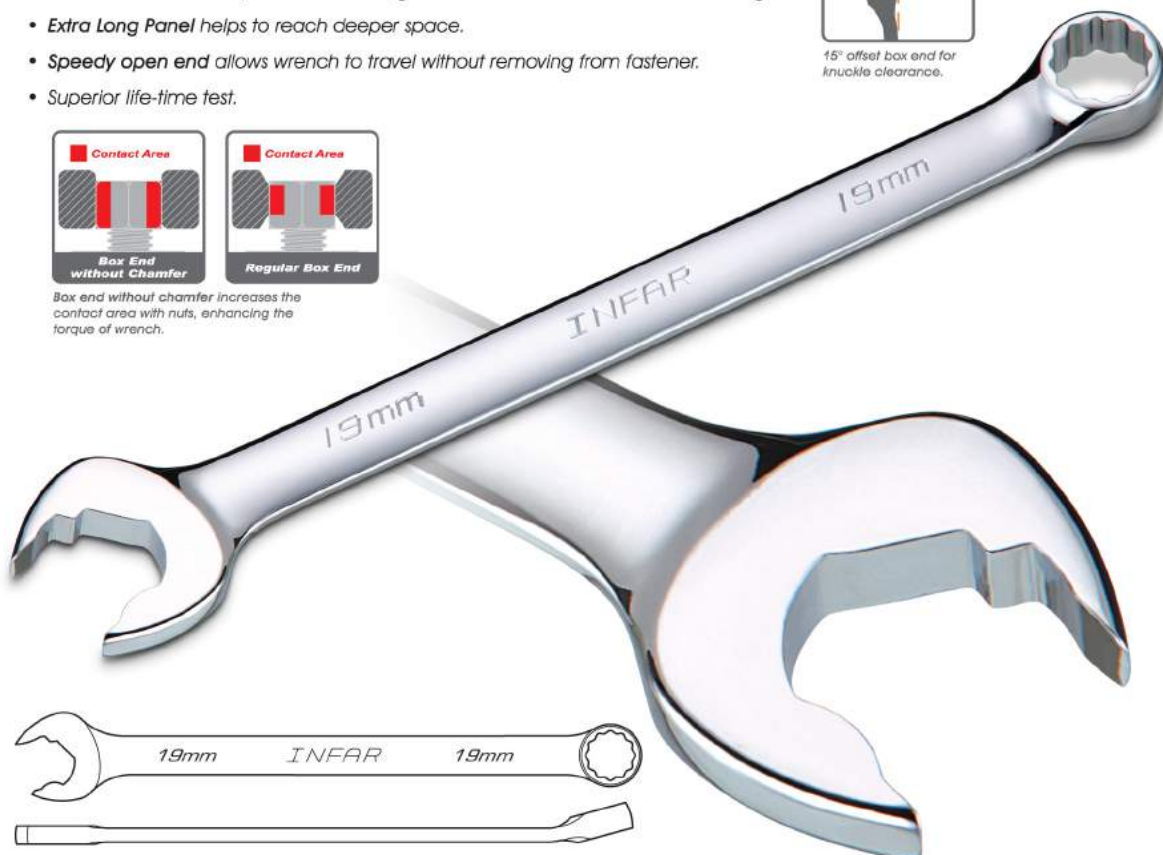
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **15° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- **Extra Long Panel** helps to reach deeper space.
- **Speedy open end** allows wrench to travel without removing from fastener.
- Superior life-time test.



15° offset box end for knuckle clearance.



Box end without chamfer increases the contact area with nuts, enhancing the torque of wrench.



SN-TYPE

MECHANIC

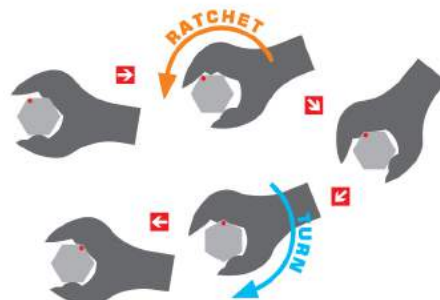
SN-TYPE EXTRA LONG SPEEDY OPEN END WRENCH



SNQ2

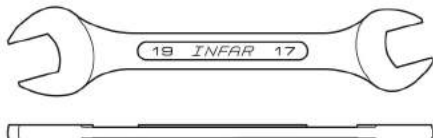
Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Flat Panel
15° Offset Box End
12 Point / 6 Point / Spline Box
Speedy Open End

Size (inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
5/16	33	148	8	33	148
3/8	50	167	9	49	167
7/16	71	186	10	56	172
1/2	103	207	11	67	186
9/16	131	223	12	87	197
5/8	160	243	13	98	207
11/16	200	261	14	132	223
3/4	230	280	15	141	233
			16	159	243
			17	215	261
			18	217	270
			19	235	280



Speedy open end allows wrench to travel without removing from fastener.

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- Superior life-time test.



A-TYPE DOUBLE OPEN WRENCH

**MEETS OR EXCEEDS
A.N.S.I.
STANDARDS**

OA/OV

Material | Medium Carbon / Chrome Vanadium Steel
Surface | Matt Finish
Feature | Raised Panel

 Size (inch)	Wt. (g)	L (mm)
1/4x5/16	19	102
3/8x7/16	44	126
7/16x1/2	54	135
1/2x9/16	82	152
9/16x5/8	105	157
19/32x11/16	106	157
5/8x11/16	136	180
5/8x3/4	136	180
11/16x3/4	149	190
11/16x13/16	220	210
3/4x13/16	220	210
3/4x7/8	220	210
13/16x7/8	220	210
15/16x1"	330	257
1"x1-1/16	330	285
1"x1-1/8	330	285
1-1/16x1-1/8	700	340
1-1/8x1-1/4	700	340
1-3/16x1-1/4	700	340

 Size (mm)	Wt. (g)	L (mm)
5.5x7	21	102
6x7	20	102
6x8	19	102
7x8	20	102
8x9	26	110
8x10	28	110
9x10	42	110
10x11	43	126
10x12	42	126
10x13	54	135
11x12	54	135
11x13	53	135
12x13	83	152
12x14	81	152
13x14	104	157
13x17	109	157
14x15	116	157
14x17	115	157
15x17	146	180
16x17	134	180

 Size (mm)	Wt. (g)	L (mm)
16x18	138	180
17x19	151	190
18x19	151	190
19x21	230	210
19x22	230	210
19x24	230	210
20x22	230	210
21x23	210	210
22x24	210	210
23x26	330	257
24x25	330	257
24x26	330	257
24x27	330	257
24x30	510	285
25x27	510	285
25x28	500	285
26x29	500	285
27x30	700	340
27x32	700	340
28x30	700	340

[illegible]

A-TYPE JUMBO DOUBLE OPEN WRENCH

MEETS OR EXCEEDS
A.N.S.I.
STANDARDS

QA

Material	Medium Carbon Steel
Surface	Matt Finish
Feature	Raised Panel

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GERMAN-TYPE DOUBLE OPEN WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- Superior life-time test.

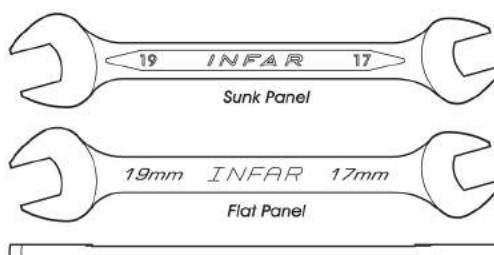


GERMAN-TYPE DOUBLE BOX WRENCH



GOC

Material | Chrome Vanadium Steel
 Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
 Feature | Meets or Exceeds DIN3110 Standards
 Sunk / Panel Panel
 Regular / Non-slip Open End



Size (inch)	Wt. (g)	L (mm)
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1/4x5/16	20	122
5/16x11/32	32	140
5/16x3/8	32	140
11/32x13/32	32	140
3/8x7/16	47	156
7/16x1/2	62	172
7/16x17/32	62	172
1/2x9/16	72	180
9/16x5/8	90	188
5/8x3/4	120	204
11/16x3/4	147	220
3/4x13/16	196	234
25/32x13/16	196	234
3/4x7/8	196	234
13/16x7/8	225	247
13/16x15/16	225	247
7/8x15/16	225	247
15/16x1"	330	266
1"x1-1/16	380	285
1"x1-1/8	380	285
1-1/16x1-1/4	485	302
1-1/8x1-5/16	485	302
1-3/16x1-5/16	485	302
1-1/4x1-3/8	620	319
1-5/16x1-1/2	615	319
1-3/8x1-1/2	615	319
1-7/16x1-5/8	920	380
1-11/16x1-7/8	1450	415
1-13/16x2"	1770	465

Size (mm)	Wt. (g)	L (mm)
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4x5	-	112
5x5.5	-	112
5.5x7	20	122
6x7	20	122
7x8	20	122
8x9	32	140
8x10	32	140
10x11	47	156
10x12	47	156
10x13	62	172
11x13	61	172
12x13	63	172
12x14	72	180
13x14	71	180
13x15	90	188
13x17	88	188
14x15	92	188
14x17	90	188
16x17	118	204
16x18	120	204
17x19	158	220
18x19	146	220
18x21	192	234
19x21	192	234
19x22	192	234
19x24	200	234
20x21	200	234
20x22	200	234
21x23	220	247
21x24	225	247

Size (mm)	Wt. (g)	L (mm)
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22x23	225	247
22x24	235	247
23x26	315	266
24x26	315	266
24x27	320	266
24x30	380	285
25x28	375	285
26x27	380	285
26x28	380	285
27x29	460	302
27x30	460	302
27x32	490	302
28x29	485	302
30x32	480	302
30x36	620	319
32x36	600	319
33x35	600	319
34x36	615	319
36x41	920	380
38x42	920	380
41x46	1450	415
46x50	1770	465



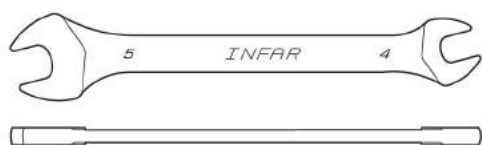
Material | Chrome Vanadium Steel
 Surface | Mirror / Matt / Micro Satin Finish
 Feature | Meets or Exceeds
 Whitworth Standards
 Sunk / Flat Panel

Size (ww inch)	Wt. (g)	L (mm)
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ww1/8x ww3/16	48	156
ww3/16x ww1/4	62	172
ww1/4x ww5/16	90	188
ww5/16x ww3/8	121	204
ww3/8x ww7/16	143	220
ww7/16x ww1/2	220	247
ww1/2x ww9/16	325	266
ww9/16x ww5/8	380	285
ww9/16x ww11/16	370	285
ww5/8x ww3/4	455	302
ww11/16x ww3/4	450	302
ww3/4x ww7/8	615	319

MINI DOUBLE OPEN WRENCH

- Made by Medium Carbon Steel.
- Professional plating prevents wrenches from corrosion.
- Superior life-time test.



MINI DOUBLE OPEN WRENCH

MOA

Material | Medium Carbon Steel
Surface | Matt Finish
Feature | Flat Panel

Size (mm)	Wt. (g)	L (mm)
3.2x4	6.6	70
4x5	6.2	70
5x5.5	11.4	80
5.5x6	11.6	80
6x7	11.2	80
7x8	15.8	89.4



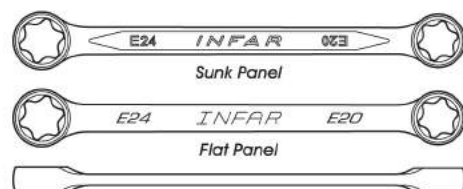
6x Metric Mini Double Open Wrench Set

Bag + POF

6x MM 3.2x4, 4x5, 5x5.5, 5.5x6, 6x7, 7x8mm

STAR E-TYPE DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- Superior life-time test.



STAR E-TYPE DOUBLE BOX WRENCH



Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Sunk / Flat Panel
Flat Offset Box End
Star Box

★ Size (star)	Wt. (g)	L (mm)
E6xE7	18	112
E6xE8	18	112
E7xE11	40	140
E8xE10	42	140
E10xE12	42	140
E11xE12	42	140
E14xE16	76	180
E14xE18	74	180
E16xE22	182	224
E18xE20	177	224
E20xE24	169	224
E22xE24	161	224



5x Star E-type Double Box Wrench Set

PVC Single Blister + Cardboard

5x Star E6xE8, E10xE12, E14xE16, E18xE20, E22xE24



16x Star Wrench & Socket Set

PS Tray + PVC Single Blister + Cardboard

Content | 4x Star E-type Double Box Wrenches:

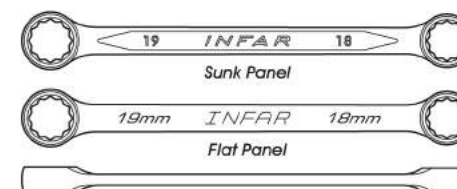
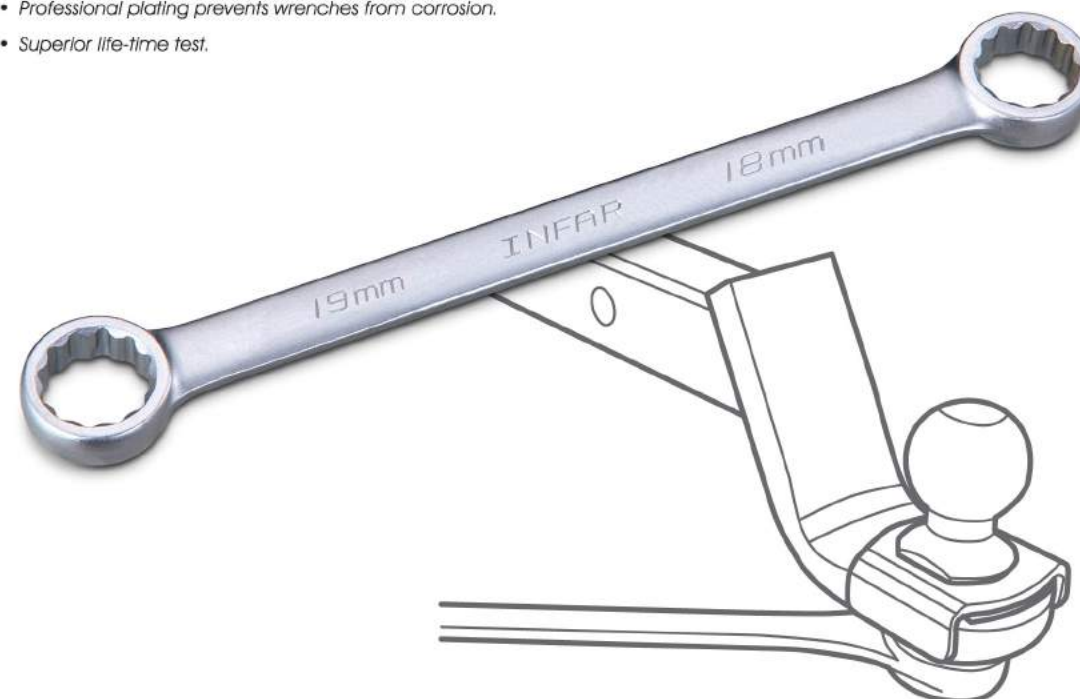
E6xE8, E10xE12, E14xE16, E18xE20

12x 3/8" Dr Star Sockets:

E4, E5, E6, E7, E8, E10, E11, E12, E14, E16, E18, E20

E-TYPE HITCH BALL WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- Superior life-time test.



E-TYPE HITCH BALL WRENCH



Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Sunk / Flat Panel
Flat Offset Box End
12 Point Box

Size (mm)	Wt. (g)	L (mm)
6x7	16	120
8x9	28	140
10x11	46	155
12x13	64	163
14x15	90	180
16x17	116	212
18x19	152	224
20x22	236	255
21x23	236	255
24x26	410	318
25x28	410	318
30x32	490	336



8x E-type Hitch Ball Wrench Set

New PP Rack + Label

8x MM 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22mm