

PR-TYPE 45° OFFSET DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **45° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Superior life-time test.



45° offset box end for knuckle clearance.



PR-TYPE 45° OFFSET DOUBLE BOX WRENCH



Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition / Black Oxide Finish
Feature | Flat Panel
 45° Offset Box End
 12 Point / Spline Box

PREXX

PR-type 45° Offset Double Box Wrench Set

PS Tray + Card + POF

8x MM 8x10, 10x12, 11x13, 12x14, 14x17, 17x19, 19x21, 22x24mm
7x MM 6x7, 8x9, 10x12, 11x13, 12x14, 17x19, 19x21mm
6x MM 8x10, 10x12, 12x14, 14x17, 17x19, 22x24mm

Size (inch)	Wt. (g)	L (mm)
1/4x5/16	50	165
3/8x7/16	61	182
7/16x1/2	71	195
1/2x9/16	98	206
9/16x5/8	127	232
19/32x5/8	127	232
5/8x11/16	163	237
3/4x25/32	235	270
3/4x13/16	290	292
3/4x7/8	285	292
13/16x7/8	285	292
13/16x15/16	395	346
15/16x1"	435	362
1"x1-1/8	-	410
1-1/16x1-1/8	-	410
1-1/16x1-1/4	-	465
1-1/8x1-1/4	-	465
1-3/16x1-1/4	-	465

Size (mm)	Wt. (g)	L (mm)
6x7	50	165
6x8	47	165
8x9	47	170
8x10	47	170
9x11	62	182
10x11	61	182
10x12	71	195
11x13	108	206
12x13	108	206
12x14	108	206
13x14	130	232
13x15	127	232
14x15	127	232
14x17	153	237
15x16	163	237
15x17	163	237
16x17	158	237
16x18	158	237
17x19	265	270
18x19	265	270

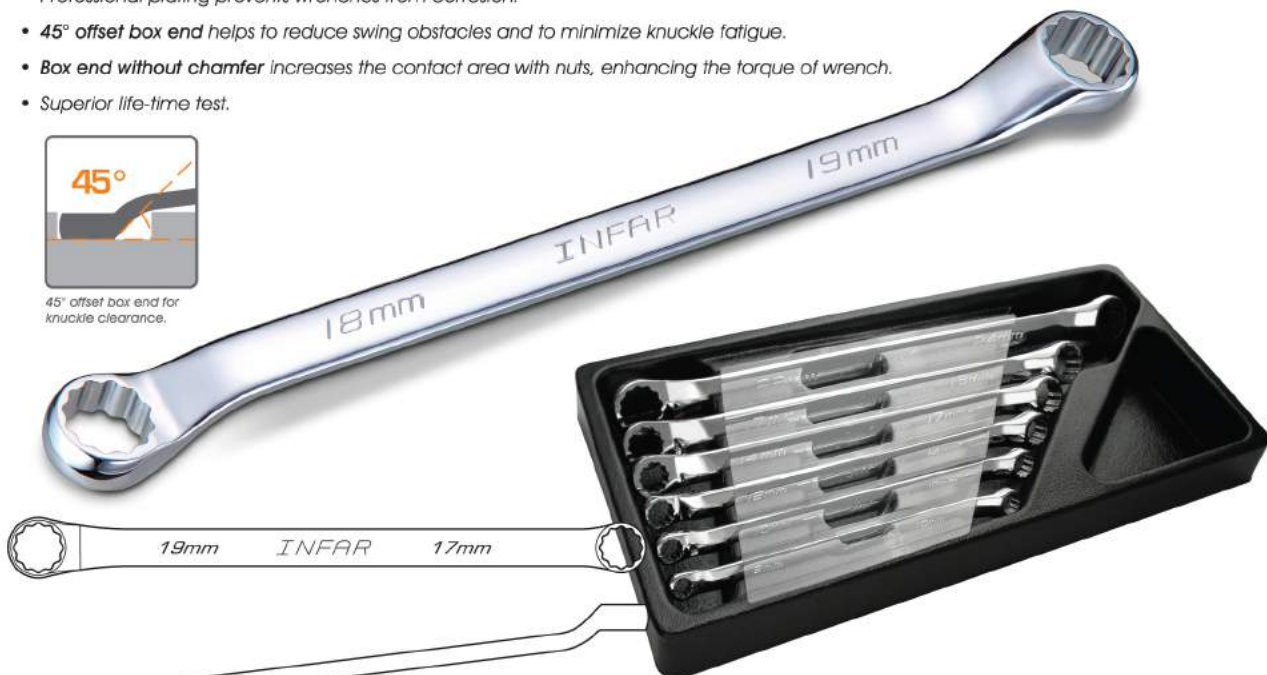
Size (mm)	Wt. (g)	L (mm)
19x21	290	292
19x22	290	292
20x22	285	292
21x23	380	346
22x24	395	346
23x26	435	362
24x26	435	362
24x27	-	410
24x30	-	410
25x28	-	410
26x29	-	410
26x30	-	410
27x30	-	465
27x32	-	465
29x30	-	465
30x32	-	465

R-TYPE 45° OFFSET DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **45° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.
- Superior life-time test.



45° offset box end for knuckle clearance.



R-TYPE 45° OFFSET DOUBLE BOX WRENCH

MADE IN JAPAN
A.N.S.I. EXCEPT FOR
STANDARDS DELIBERATE
NON-CHAMFER BOX END



JBK4V
JAPAN EXCLUSIVE

Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Flat Panel
45° Offset Box End without Chamfer
12 Point / Spline Box

Size (inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
5/16x3/8	72	185	8x9	72	185
3/8x7/16	91	207	8x10	70	185
7/16x1/2	133	230	10x11	95	207
1/2x9/16	183	249	10x12	93	207
9/16x5/8	175	250	11x13	132	230
5/8x11/16	196	265	12x13	132	230
11/16x3/4	250	285	12x14	129	230
3/4x7/8	360	303	13x14	184	249
7/8x15/16	440	343	13x15	150	249
			14x15	153	249
			14x17	175	250
			15x17	201	265
			16x17	206	265
			16x18	199	265
			17x19	250	285
			18x19	250	285
			19x21	370	303
			19x22	370	303
			20x22	370	303
			21x22	370	303
			22x24	450	343

R-type 45° Offset Double Box Wrench Set

PS Tray + PVC Cap + Card + POF

10x MM 8x10, 10x12, 11x13, 12x14, 13x15, 14x17, 16x18, 17x19, 19x21, 22x24mm

9x SAE 5/16"x3/8", 3/8"x7/16", 7/16"x1/2", 1/2"x9/16", 9/16"x5/8", 5/8"x11/16", 11/16"x3/4", 3/4"x7/8", 7/8"x15/16"

9x MM 8x10, 10x12, 12x14, 13x15, 14x17, 16x18, 17x19, 19x21, 22x24mm

6x SAE 5/16"x3/8", 3/8"x7/16", 7/16"x1/2", 1/2"x9/16", 5/8"x11/16", 11/16"x3/4"

6x MM 8x10, 10x12, 12x14, 14x17, 17x19, 22x24mm

FUNCTION INTRODUCTION BOX END WITHOUT CHAMFER

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



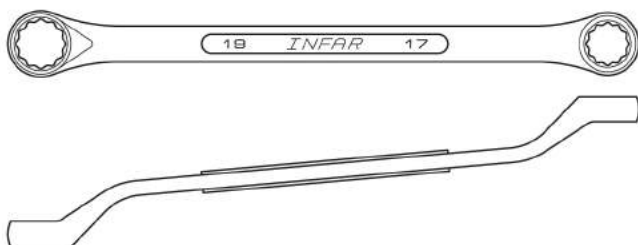
Box end without chamfer fits all types of corrupted nuts.

A-TYPE 45° OFFSET DOUBLE BOX WRENCH

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **45° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Superior life-time test.



45° offset box end for knuckle clearance.



A-TYPE 45° OFFSET DOUBLE BOX WRENCH

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



BX/BXV

Material | Medium Carbon / Chrome Vanadium Steel

Surface | Matt Finish

Feature | Raised Panel

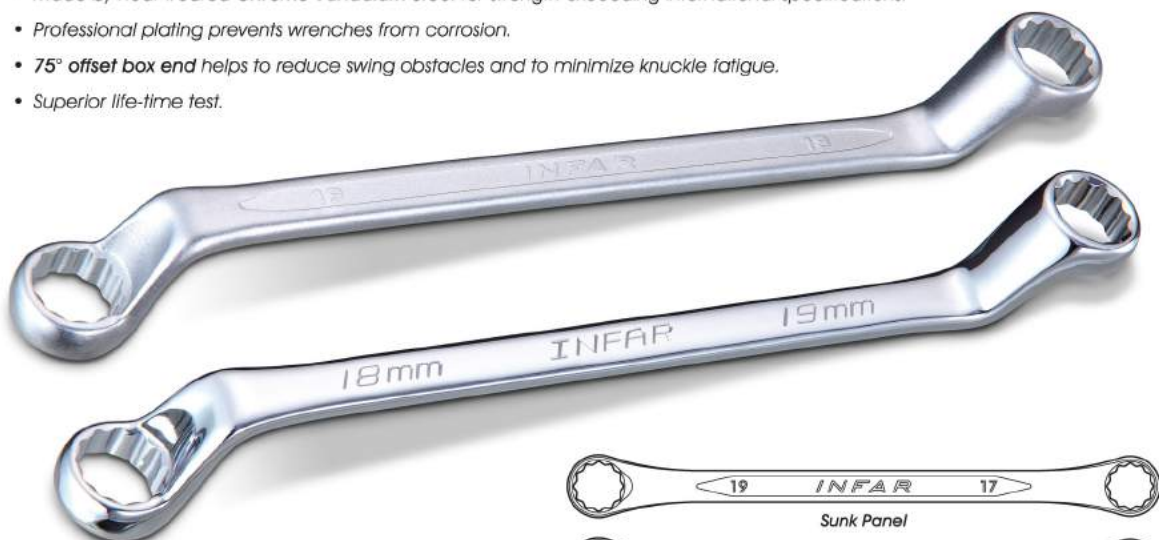
45° Offset Box End

12 Point / Spline Box

Size (Inch)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)	Size (mm)	Wt. (g)	L (mm)
1/4x5/16	47	164	6x7	50	164	18x19	260	282
1/4x3/8	47	164	6x8	47	164	19x21	260	288
3/8x7/16	62	180	7x9	47	164	19x22	260	288
7/16x1/2	108	206	8x9	44	164	20x22	330	315
1/2x9/16	108	206	8x10	47	164	21x22	330	315
9/16x5/8	130	232	9x10	47	164	21x23	330	315
5/8x11/16	155	237	9x11	62	180	22x24	510	362
5/8x3/4	201	254	10x11	61	180	23x24	510	362
11/16x13/16	260	282	10x12	57	180	23x26	500	362
3/4x25/32	260	282	11x13	108	206	24x26	500	362
3/4x7/8	260	288	12x13	108	206	24x27	680	410
13/16x7/8	330	315	12x14	108	206	24x30	680	410
7/8x15/16	490	362	13x14	130	232	25x28	680	410
15/16x1"	490	362	13x15	130	232	26x29	680	410
1"x1-1/8	680	410	14x15	127	232	26x30	950	410
1-1/16x1-1/8	680	410	14x17	153	237	27x30	950	465
1-1/16x1-1/4	950	465	15x17	163	237	27x32	950	465
1-1/8x1-1/4	950	465	16x17	158	237	29x32	950	465
1-3/16x1-1/4	950	465	16x18	201	254	30x32	950	465
			17x19	260	282			

GERMAN-TYPE 75° OFFSET DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **75° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Superior life-time test.

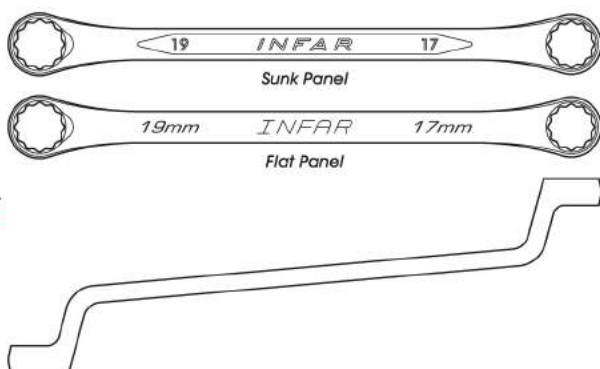


GERMAN-TYPE 75° OFFSET DOUBLE BOX WRENCH



GBXC

Material | Chrome Vanadium Steel
Surface | Mirror / Matt / Micro Satin / Color Electro-deposition Finish
Feature | Meets or Exceeds DIN838 Standards
Sunk / Panel Panel
75° Offset Box End
12 Point / Spline Bo



Size (inch)	Wt. (g)	L (mm)
1/4x5/16	42	170
5/16x3/8	82	190
3/8x7/16	92	199
7/16x1/2	129	213
1/2x9/16	158	228
9/16x5/8	200	246
5/8x11/16	200	246
11/16x3/4	265	265
3/4x7/8	315	288
13/16x7/8	345	310
13/16x15/16	345	310
15/16x1"	475	330
1"x1-1/8	550	348
1-1/16x1-1/4	655	372
1-1/8x1-1/4	635	372
1-1/4x1-3/8	965	417

Size (mm)	Wt. (g)	L (mm)
5x5.5	28	160
6x7	45	170
8x9	70	182
8x10	79	190
9x11	90	199
10x11	90	199
10x12	92	199
10x13	126	213
11x13	126	213
12x13	126	213
13x17	195	245
14x15	155	228
14x17	193	246
16x17	193	246
16x18	193	246
17x19	245	265
18x19	240	265
19x21	315	288
19x22	315	288
19x24	-	295
20x21	315	288
20x22	315	288
21x22	345	310
21x23	345	310
22x23	345	310
22x24	345	310
24x25	480	330
24x26	480	330
24x27	475	330
24x30	-	340

Size (mm)	Wt. (g)	L (mm)
25x28	550	348
26x27	550	348
27x29	665	372
27X30	665	372
27X32	665	372
28X29	665	372
30X32	660	372
30X36	-	410
32x36	965	417
34x36	965	417
36x41	1040	450
41x46	-	505
46x50	-	520



75° offset box end for
knuckle clearance.



Material | Chrome Vanadium Steel
(WGBX)
Surface | Mirror / Matt /
Micro Satin Finish
Feature | Meets or Exceeds
Whitworth Standards
Sunk / Flat Panel
75° Offset Box End

Size (ww inch)	Wt. (g)	L (mm)
ww1/8x ww3/16	92	199
ww3/16x ww1/4	133	213
ww1/4x ww5/16	161	228
ww5/16x ww3/8	194	246
ww3/8x ww7/16	330	288
ww7/16x ww1/2	355	310
ww1/2x ww9/16	480	330
ww9/16x ww5/8	665	372
ww9/16x ww11/16	660	372
ww11/16x ww3/4	965	417
ww7/8x ww1"	1040	450