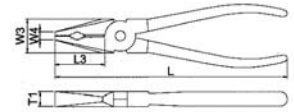


1820-6/-7/-8



ALICATES UNIVERSALES
ALICATE UNIVERSAIS
COMBINATION PLIERS



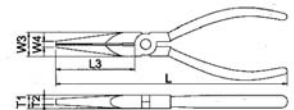
DIN-ISO 5746

1820	L (mm)	L3 (mm)	W3 (mm)	W4 (mm)	T1 (mm)	(g)	(pcs)
6	160(6")	35.5	24	6	10	180	6
7	180(7")	37.5	25	6.5	10.5	250	6
8	200(8")	41	30	6.5	13	340	6

1830-6/-8



ALICATES BOCA SEMI-REDONDA
ALICATE DE PONTAS SEMI-REDONDAS
LONG NEEDLE NOSE PLIERS



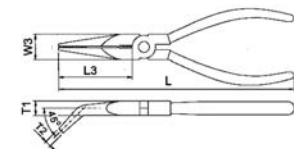
DIN-ISO 5745

1830	L (mm)	L3 (mm)	W3 (mm)	W4 (mm)	T1 (mm)	T2 (mm)	(g)	(pcs)
6	160(6")	53.5	18	3.2	9	2.4	140	6
8	200(8")	80	20	3.5	10	3.2	200	6

1831-6/-8



ALICATES BOCA SEMI-REDONDA CURVADA
ALICATE DE PONTAS SEMI-REDONDAS CURVAS
LONG BENT NEEDLE NOSE PLIERS



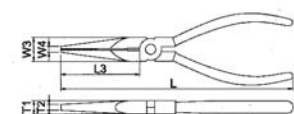
DIN-ISO 5745

1831	L (mm)	L3 (mm)	W3 (mm)	W4 (mm)	T1 (mm)	T2 (mm)	(g)	(pcs)
6	160(6")	46	18	3.2	9	2.4	140	6
8	195(8")	65	20	3.5	10	3.0	180	6

1832



ALICATES PUNTA REDONDA
ALICATE DE PONTAS REDONDAS
LONG ROUND NOSE PLIERS



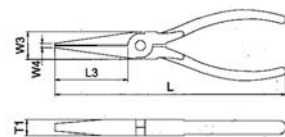
DIN-ISO 5745

1832	L (mm)	L3 (mm)	W3 (mm)	T1 (mm)	D	(g)	(pcs)
6	160(6")	50	19	10	Ø2.4(mm)	130	6

1833



ALICATES BOCA PLANA
ALICATE DE PONTAS PLANAS
LONG FLAT NOSE PLIERS



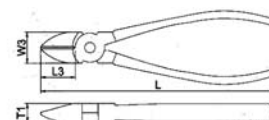
DIN-ISO 5745

1833	L (mm)	L3 (mm)	W3 (mm)	W4 (mm)	T1 (mm)	(g)	(pcs)
6	160(6")	50	18	3.2	9	140	6

1840



ALICATES DE CORTE
ALICATE DE CORTE
DIAGONAL CUTTING NIPPERS



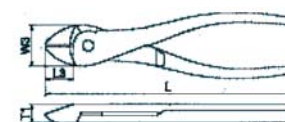
DIN-ISO 5749

1840	L (mm)	L3 (mm)	W3 (mm)	T1 (mm)	(g)	(pcs)
5	140(5")	18.5	18	10	140	6
6	160(6")	22	20.5	12	180	6

1843



ALICATES GRAN EFECTO CORTANTE
ALICATE DE CORTE ESPECIAL
HEAVY DUTY DIAGONAL CUTTING NIPPERS



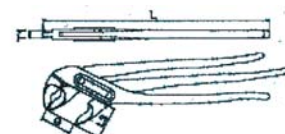
DIN-ISO 5746

1843	L (mm)	L3 (mm)	W3 (mm)	T1 (mm)	(g)	(pcs)
6	160(6")	18	25	10.5	190	6
7	180(7")	24	30	13.5	250	6

1890



TENAZAS TIPO COBRA
ALICATE EXTENSÍVEL
SLIP JOINT PLIERS



DIN-ISO 8976

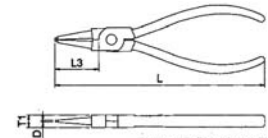
1890	L (mm)	T1 (mm)	L3 (mm)	(g)	G (mm)	(X)	(pcs)
10	250(10")	8.5	34	340	38.5	7	6
12	300(12")	9	41	530	45	7	6

1850-5/-7/-9/-12



1850-16/-20

ALICATES CIRCLIP INTERIORES
ALICATE DE FREIOS INTERIORES
INTERNAL CIRCLIP PLIERS-STRAIGHT PATTERN



DIN-ISO 5256C

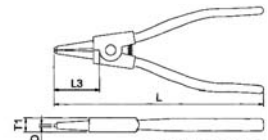
1850	L (mm)	T1 (mm)	L3 (mm)	(g)	D	
5	140(5")	8	38	100	ø0.9 mm	8~25 mm
7	180(7")	9	50	170	ø1.8 mm	19~60 mm
9	225(9")	9	63	200	ø2.3 mm	40~100 mm
12	310(12")	10	90	384	ø 3.0 mm	85 ~ 165 mm
16	400(16")	8.2	94	966	ø 3.0 mm	85 ~ 170 mm
20	500(20")	10.2	112	1648	ø 3.5 mm	165 ~ 300mm

1851-51/-53/-7/-9/-12



1851-16/-20

ALICATES CIRCLIP EXTERIORES
ALICATE DE FREIOS EXTERIORES
EXTERNAL CIRCLIP PLIER-STRAIGHT PATTERN



DIN-ISO 5254A

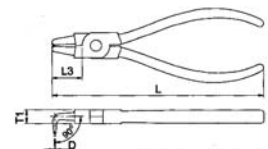
1851	L (mm)	T1 (mm)	L3 (mm)	(g)	D	
51	140	8.5	38	100	ø0.9 mm	3~10 mm
53	140	8.5	38	100	ø1.3 mm	10~25 mm
7	180(7")	10	50	170	ø1.8 mm	19~60 mm
9	225(9")	10	63	200	ø2.3 mm	40~100 mm
12	310(12")	10	90	368	ø 3.0 mm	85 ~ 165 mm
16	400(16")	10.2	90	986	ø 3.0 mm	85 ~ 170 mm
20	500(20")	10.2	112	1654	ø 3.5 mm	165 ~ 300mm

1856-5/-7/-9/-12



1856-16/-20

ALICATES CIRCLIP INTERIORES CURVADOS
ALICATE DE FREIOS INTERIORES CURVOS
INTERNAL CIRCLIP PLIER-BENT PATTERN



DIN-ISO 5256D

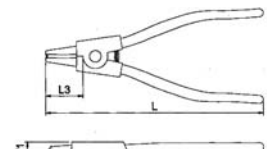
1856	L (mm)	T1 (mm)	L3 (mm)	(g)	D	
5	130(5")	8	28	100	ø0.9 mm	8~25 mm
7	170(7")	9	38	170	ø1.8 mm	19~60 mm
9	210(9")	9	50	200	ø2.3 mm	40~100 mm
12	310(12")	10	70.5	380	ø 3.0 mm	85 ~ 165 mm
16	400(16")	10.5	82	966	ø 3.0 mm	85 ~ 170 mm
20	500(20")	10.2	119	1684	ø 3.5 mm	165 ~ 300mm

1857-51/-53/-7/-9/-12



1857-16/-20

ALICATES CIRCLIP EXTERIORES CURVADOS
ALICATE DE FREIOS EXTERIORES CURVOS
EXTERNAL CIRCLIP PLIER-BENT PATTERN



DIN-ISO 5254B

1857	L (mm)	T1 (mm)	L3 (mm)	(g)	D	
51	130	8.5	28	110	ø0.9 mm	3~10 mm
53	130	8.5	28	110	ø1.3 mm	10~25 mm
7	170(7")	9	38	180	ø1.8 mm	19~60 mm
9	210(9")	9	50	200	ø2.3 mm	40~100 mm
12	310(12")	10	70	376	ø 3.0 mm	85 ~ 165 mm
16	400(16")	10.5	76	990	ø 3.0 mm	85 ~ 170 mm
20	500(20")	10.2	119	1696	ø 3.5 mm	165 ~ 300mm

16854B

JUEGO DE 4 ALICATES CIRCLIP INTERIORES Y EXTERIORES
JOGO DE 4 ALICATES DE FREIOS (INT./EXT.)
INTERNAL & EXTERNAL CIRCLIP PLIERS SET

4pcs	16854B		
1850-7	ALICATES CIRCLIP INTERIORES 180mm/7"	1pc	
1856-7	ALICATES CIRCLIP INTERIORES CURVADOS 170mm/7"	1pc	
1851-7	ALICATES CIRCLIP EXTERIORES 180mm/7"	1pc	
1857-7	ALICATES CIRCLIP EXTERIORES CURVADOS 170mm/7"	1pc	
1SET=1.05KGS GW=14KGS/20SETS  =1.8'			



1801/1802

TENAZAS GRIP PARA FILTROS DE ACEITE
ALICATE GRIP FILTROS ÓLEO
ADJUSTABLE SELF-LOCKING PLIERS FOR OIL FILTERS

Item No.		L	(g)	(pcs)
1801	60-90mm	230mm	290	12
	2-3/8"-3-1/2"	9"		
1802	85-115mm	250mm	315	12
	3-3/8"-4-1/2"	10"		



1901/1902

TRONZATUERCAS
CORTADOR DE PORCAS
NUT SPLITTERS SET

Item No.		Puntas	L	(g)	(pcs)
1901	9.5~16mm	A,B	200	380	12
	3/8"~5/8"		8"		
1902	12.7~25.5mm	A,B	240	780	12
	1/2"~1"		9-1/2"		



1803

MORDAZA BOCA CURVA
 ALICATE PRESSÃO DE PONTAS CURVAS
 STANDARD CURVE JAW LOCKING PLIER

L (mm)	L (")	(g)	(pcs)
125	5	156	12
175	7	340	12
250	10	514	12



1804

MORDAZA UNIVERSAL
 ALICATE PRESSÃO UNIVERSAL
 ROUND JAW LOCKING PLIER

L (mm)	L (")	(g)	(pcs)
125	5	156	12
175	7	340	12
250	10	514	12



1806

MORDAZA UNIVERSAL BOCA RECTA
 ALICATE PRESSÃO PONTAS RECTAS
 STRAIGHT JAW LOCKING PLIER

L (mm)	L (")	(g)	(pcs)
175	7	340	12
250	10	514	12



1807

MORDAZA PUNTA
 ALICATE PRESSÃO PONTAS LONGAS
 LONGNOSE LOCKING PLIER

L (mm)	L (")	(g)	(pcs)
225	9	347	12



1808

MORDAZA PUNTA
 ALICATE PRESSÃO PONTAS LONGAS
 LONGNOSE LOCKING PLIER

L (mm)	L (")	(g)	(pcs)
162	6-1/2	179	12
225	9	347	12



1809

MORDAZA SOLDAR BOCA PLANO
 ALICATE PRESSÃO SOLDAR PONTAS PLANAS
 CLAW GRIP PLIER

L (mm)	L (")	(g)	(pcs)
160	6-1/2	220	12



1811

MORDAZA SOLDAR ARCO
 ALICATE PRESSÃO SOLDAR ARCO
 LOCKING C CLAMP PLIER

L (mm)	L (")	(g)	(pcs)
150	6	415	1
280	11	760	1
440	17-1/2	1200	1



1812

MORDAZA SOLDAR ARCO PUNTA GIRATORIA
 ALICATE PRESSÃO SOLDAR ARCO PONTAS GIRATORIAS
 LOCKING C CLAMP PLIER

L (mm)	L (")	(g)	(pcs)
150	6	415	1
280	11	760	1
440	17-1/2	1200	1



1813

MORDAZA UNIVERSAL SOLDADOR
 ALICATE PRESSÃO DE FORQUILHA
 LOCKING WELDING PLIER

L (mm)	L (")	(g)	(pcs)
275	10-3/4	916	1



1814

MORDAZA CADENAS
ALICATE PRESSÃO CORRENTE
CHAIN CLAMP VISE PLIER

L (mm)	L (")	(g)	(pcs)
226	9	750	6



1815

MORDAZA CORTATUBOS
ALICATE PRESSÃO CORTA TUBOS
CHAIN PIPE-CUTTER VISE PLIER

L (mm)	L (")	(g)	(pcs)
226	9	800	6



1816

MORDAZA CHAPA
ALICATE PRESSÃO CHAPEIRO
SHEET METAL VISE PLIER

L (mm)	L (")	(g)	(pcs)
200	8	460	12
250	10	625	12



1818

MORDAZA FILTROS
ALICATE PRESSÃO FILTROS
FILTER PLIER

L (mm)	L (")	(mm)	(")	(g)	(pcs)
250	10	60 ~ 115	2-3/8" ~ 4-1/2"	458	12

