



IDEAL

Clamping Tools



Catalog 2017



IDEAL

CLAMPING TOOLS

IDEAL clamping tools have been synonymous with high quality and performance for more than 90 years. IDEAL brand clamps were first developed and manufactured by the Walter Werninghaus Spannwerkzeuge beginning in the early's 1900's. Heinrich Betz Werkzeugfabrik purchased the IDEAL line in 1968 and to this day continues to manufacture these products with the same attention to quality and performance as the inventors did more than 90 years ago.

Over the last three decades, Heinrich Betz Werkzeugfabrik has developed into one of the leading manufacturers in the German clamping tool sector by refining and improving its' line of clamp products. High quality clamps that appeal to both professional and DIY tool users are produced by the third generation of this family-run company.

All production processes are completed at the company's headquarters in Radevormwald, Germany. All materials are sourced within Germany and the EU area which means today, just like 90 years ago, IDEAL clamp products are Made in Germany!

100 % Made in Germany 

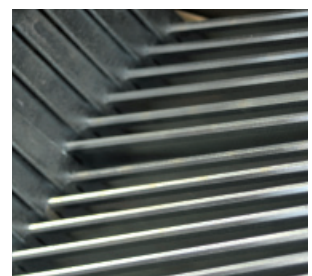
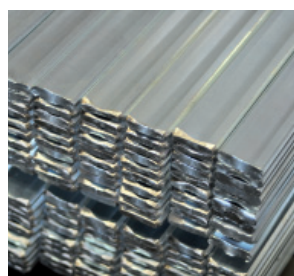


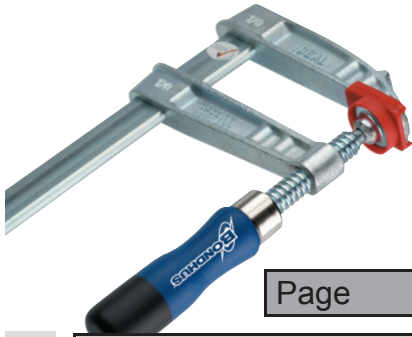


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Products



	Heavy duty malleable cast iron screw clamp with black coated arms	Heavy duty malleable cast iron screw clamp zinc plated arms	Deep throat screw clamp	All steel screw clamp	All steel metalwork torque clamp	Heavy duty all steel metalwork torque clamp	Very heavy duty all steel torque steel construction clamp	DIY screw clamp	Hobby screw clamp	All steel lever clamp	Earth ground clamp	Wooden glueing clamp
Page	117	114	120	124	126	127	128	130	132	129	122	134

1. Materials

Wood	●●●	●●●	●●●	●●●	●	●	●	●●	●●	●●		●●●
Steel	●●●	●●●	●●●	●●●	●●●	●●	●●●	●●	●	●●●	●●	
Plastic	●●●	●●●	●	●	●	●	●	●	●	●		●
Sensitive materials	●	●	●●	●	●	●	●	●●	●	●		●●

2. Applications

Bonding operation	●●●	●●●	●●●	●●	●●	●●	●●	●●	●	●●		●●
Fixing operation	●●●	●●	●●	●●	●●●	●●●	●●	●●	●			
Bonding operation using quick hardening sizing agents	●●●	●●	●●	●●	●●●	●●●	●	●		●●		
Bolting operations using wooden profiles	●●●	●●●	●●	●●	●●	●●	●●	●●				
Bolting operations using metal profiles	●●●	●	●●	●●	●●	●●	●●	●●		●●		
Connecting ceiling rafters and wooden beams	●●	●	●		●●	●●						
Connecting U-, T-, double-T profiles	●	●	●	●●	●●●	●●●	●	●		●		
Welding operations	●	●	●	●				●	●	●●	●●●	
Clamping sensitive surfaces	●	●	●	●				●	●	●		●
Clamping inclined surfaces	●●	●		●	●●	●●	●	●				
Door and window installation tools	●	●	●	●	●					●		●
Special tools							●●					

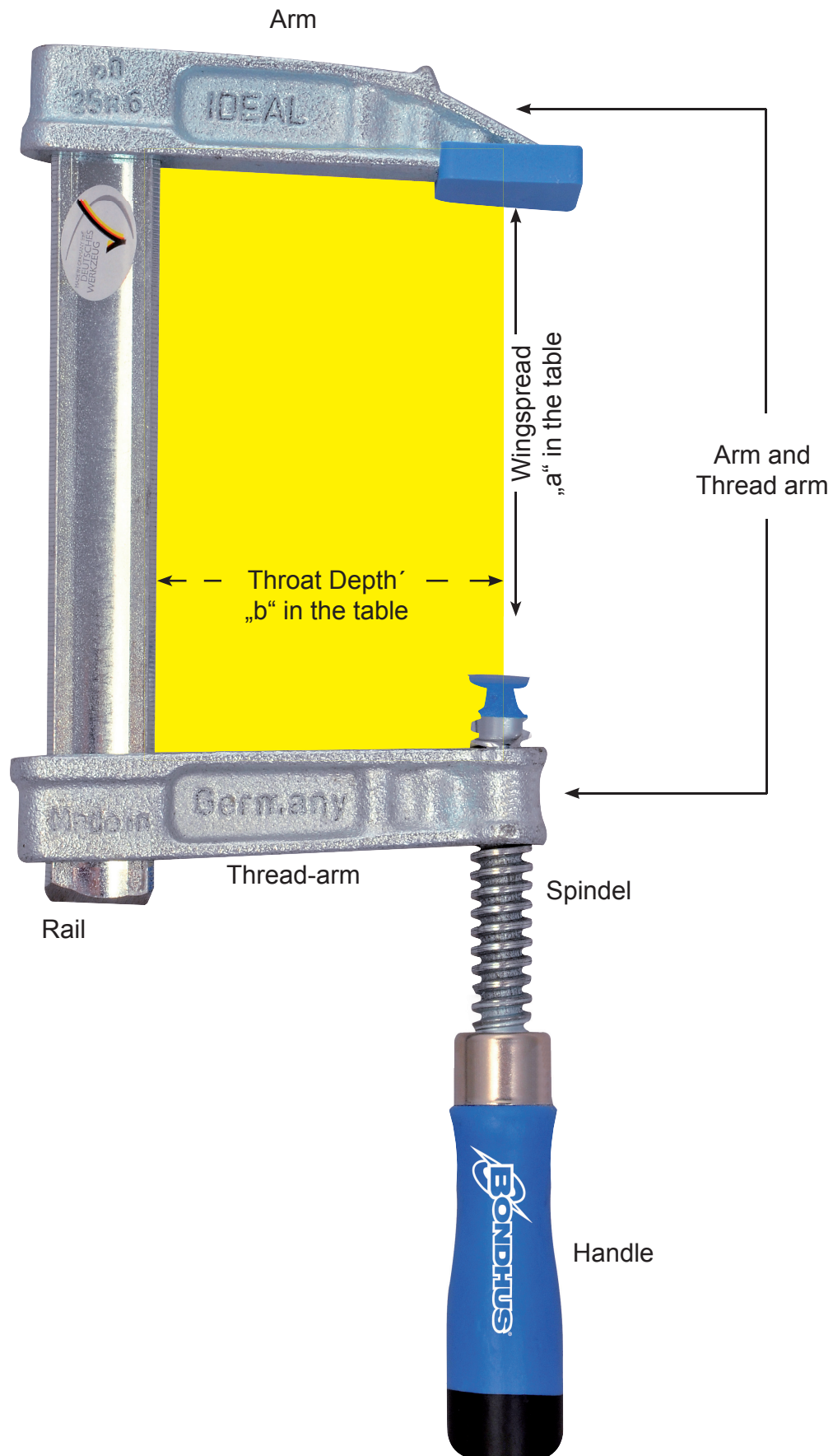
3. Power

up to 5.000 N clamping force		●●	●●					●				
up to 7.500 N clamping force	●●●									●●		
up to 12.000 N clamping force				●●●	●●●							
up to 22.000 N clamping force						●●●						
up to 27.000 N clamping force							●●●					

4. Range

Industry	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●			
Heavy industry	●●	●●	●●●	●●●	●●●	●●●	●●●					
Welding											●●●	
Carpenter	●●●	●●●	●●●	●●●	●●●	●●●	●●	●	●			●●
Ship yard	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●			●
Do it yourself	●●	●●	●●	●●	●●	●●	●●	●●●	●●●			●●

● possible ●● good ●●● perfect



Heavy duty malleable cast iron screw clamp DIN 5117

The heavy duty malleable cast iron clamps from IDEAL are the standard against which competitors have been measured for many decades. The clamps are manufactured strictly according to DIN 5117. The hexagonal rail is ribbed for maximum holding power and the heavy duty, cast iron arms are reinforced by strategically located webs for maximum strength.

Heavy duty cast iron clamping arms are reinforced with thick webs for maximum strength

Clamping arms are available in two versions: Zinc or Black



Plastic pressure caps protect surface of workpiece

Swiveling steel pressure plate and high quality, smooth turning Acme thread spindle create more clamping power with less effort

Ergonomically shaped handle is available in four versions:



Varnished wooden handle



PowerGrip™ handle with special non-slip coating, blue-black



PowerGrip™ handle with special non-slip coating, red-black



Tommy bar with rounded ends for extremely high torque and clamping force

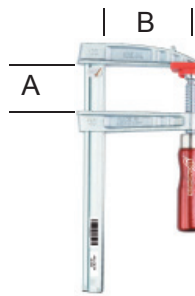
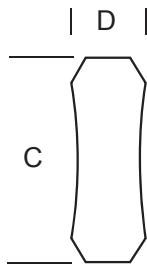
Heavy duty shaped rail is Zinc plated for corrosion resistance and ribbed for maximum holding power



"Qualität Made in Germany"

Heavy duty malleable cast iron screw clamp

Arms zinc plated



Wooden handle



PG-blue-black



PG-red-black

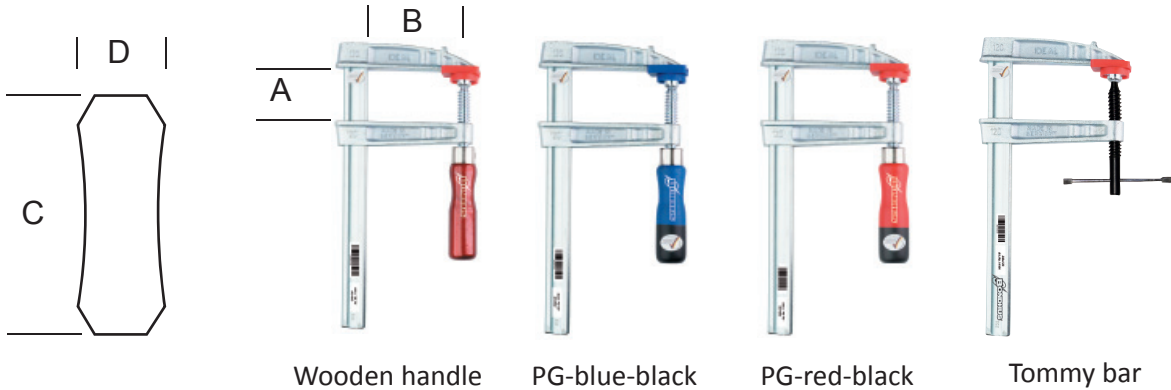


Tommy bar

DIN size	Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #
X	120x60	22x6	0,6	40 16758 11101 7	40 16758 52101 4	40 16758 53101 3	-
X	160x80	25x6	0,9	40 16758 11102 4	40 16758 52102 1	40 16758 53102 0	40 16758 14102 1
	200x80	25x6	0,9	40 16758 61402 0	40 16758 62402 9	40 16758 13402 3	40 16758 14402 2
	250x80	25x6	1,0	40 16758 61403 7	40 16758 62403 6	40 16758 13403 0	40 16758 14403 9
X	250x100	30x8	1,4	40 16758 11103 1	40 16758 12103 0	40 16758 13103 9	40 16758 14103 8
X	250x120	30x8	1,5	40 16758 61421 1	40 16758 62421 0	40 16758 13421 4	40 16758 14421 3
	300x80	25x6	1,1	40 16758 11404 9	40 16758 62404 3	40 16758 13404 7	40 16758 14404 6
	300x100	30x8	1,5	40 16758 11411 7	40 16758 12411 6	40 16758 13411 5	40 16758 14411 4
	300x120	30x8	1,6	40 16758 61422 8	40 16758 62422 7	40 16758 13422 1	40 16758 14422 0
X	300x140	35x9	2,4	40 16758 11450 6	40 16758 62450 0	40 16758 13450 4	40 16758 14450 3
	400x80	25x6	1,3	40 16758 11406 3	40 16758 62406 7	40 16758 13406 1	40 16758 14406 0
	400x100	30x8	1,6	40 16758 11413 1	40 16758 12413 0	40 16758 13413 9	40 16758 14413 8
	400x120	30x8	1,8	40 16758 11424 7	40 16758 12424 6	40 16758 13424 5	40 16758 14424 4
X	400x120	35x11	3,1	40 16758 11199 4	40 16758 12199 3	40 16758 13199 2	40 16758 14199 1
	400x140	35x9	2,6	40 16758 11451 3	40 16758 62451 7	40 16758 13451 1	40 16758 14451 0
X	400x175	35x9	3,0	40 16758 11106 2	40 16758 12106 1	40 16758 13106 0	40 16758 14106 9
	500x80	25x6	1,5	40 16758 61408 2	40 16758 62408 1	40 16758 13408 5	40 16758 14408 4
	500x100	30x8	1,8	40 16758 11414 8	40 16758 12414 7	40 16758 13414 6	40 16758 14414 5
	500x120	30x8	2,0	40 16758 11425 4	40 16758 12425 3	40 16758 13425 2	40 16758 14425 1
X	500x120	35x11	3,4	40 16758 11200 7	40 16758 52200 4	40 16758 53200 3	40 16758 14200 4
	500x140	35x9	2,8	40 16758 11452 0	40 16758 12452 9	40 16758 13452 8	40 16758 14452 7
	600x100	30x8	2,0	40 16758 11415 5	40 16758 12415 4	40 16758 13415 3	40 16758 14415 2
	600x120	30x8	2,2	40 16758 11426 1	40 16758 12426 0	40 16758 13426 9	40 16758 14426 8
X	600x120	35x11	3,7	40 16758 11201 4	40 16758 52201 1	40 16758 53201 0	40 16758 14201 1
	600x140	35x9	3,0	40 16758 11453 7	40 16758 12453 6	40 16758 13453 5	40 16758 14453 4
	800x100	30x8	2,3	40 16758 11418 6	40 16758 12418 5	40 16758 13418 4	40 16758 14418 3
	800x120	30x8	2,6	40 16758 11429 2	40 16758 12429 1	40 16758 13429 0	40 16758 14429 9
X	800x120	35x11	4,1	40 16758 11202 1	40 16758 52202 8	40 16758 53202 7	40 16758 14202 8
	800x140	35x9	3,4	40 16758 11456 8	40 16758 12456 7	40 16758 13456 6	40 16758 14456 5

Heavy duty malleable cast iron screw clamp

Arms zinc plated



DIN size	Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #
	1000x100	30x8	2,8	40 16758 61420 4	40 16758 62420 3	40 16758 13420 7	40 16758 14420 6
	1000x120	30x8	2,9	40 16758 61431 0	40 16758 62431 9	40 16758 13431 3	40 16758 14431 2
X	1000x120	35x11	4,6	40 16758 11203 8	40 16758 12203 7	40 16758 13203 6	40 16758 14203 5
	1000x140	35x9	3,8	40 16758 11457 5	40 16758 12457 4	40 16758 13457 3	40 16758 14457 2
	1250x120	30x8	3,3	40 16758 61432 7	40 16758 62432 6	40 16758 13432 0	40 16758 14432 9
X	1250x120	35x11	5,3	40 16758 11204 5	40 16758 12204 4	40 16758 13204 3	40 16758 14204 2
	1250x140	35x9	4,3	40 16758 11458 2	40 16758 12458 1	40 16758 13458 0	40 16758 14458 9
	1500x120	30x8	3,6	40 16758 61433 4	40 16758 62433 3	40 16758 13433 7	40 16758 14433 6
X	1500x120	35x11	6,0	40 16758 11205 2	40 16758 12205 1	40 16758 13205 0	40 16758 14205 9
	1500x140	35x9	4,8	40 16758 11459 9	40 16758 12459 8	40 16758 13459 7	40 16758 14459 6
	2000x120	30x8	4,1	40 16758 11435 3	40 16758 12435 2	40 16758 13435 1	40 16758 14435 0
X	2000x120	35x11	7,4	40 16758 11206 9	40 16758 12206 8	40 16758 13206 7	40 16758 14206 6
	2000x140	35x9	5,8	40 16758 11461 2	40 16758 12461 1	40 16758 13461 0	40 16758 14461 9
X	2500x120	35x11	8,9	40 16758 11207 6	40 16758 12207 5	40 16758 13207 4	40 16758 14207 3
X	3000x120	35x11	10,4	40 16758 11208 3	40 16758 12208 2	40 16758 13208 1	40 16758 14208 0

Heavy duty malleable cast iron screw clamp black arms

Arms black coated



Wooden handle

PG-blue-black

PG-red-black

Tommy bar

DIN size	Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #
X	120x60	22x6	0,6	40 16758 21101 4	40 16758 22101 3	40 16758 23101 2	-
X	160x80	25x6	0,9	40 16758 21102 1	40 16758 22102 0	40 16758 23102 9	40 16758 24102 8
	200x80	25x6	0,9	40 16758 21402 2	40 16758 22402 1	40 16758 23402 0	40 16758 24402 9
X	200x100	30x8	1,4	40 16758 21103 8	40 16758 22103 7	40 16758 23103 6	40 16758 24103 5
	250x80	25x6	1,0	40 16758 21403 9	40 16758 22403 8	40 16758 23403 7	40 16758 24403 6
	250x100	30x8	1,4	40 16758 21410 7	40 16758 22410 6	40 16758 23410 5	40 16758 24410 4
X	250x120	30x8	1,5	40 16758 21104 5	40 16758 22104 4	40 16758 23104 3	40 16758 24104 2
	300x80	25x6	1,1	40 16758 21404 6	40 16758 22404 5	40 16758 23404 4	40 16758 24404 3
	300x100	30x8	1,5	40 16758 21411 4	40 16758 22411 3	40 16758 23411 2	40 16758 24411 1
	300x120	30x8	1,6	40 16758 21422 0	40 16758 22422 9	40 16758 23422 8	40 16758 24422 7
X	300x140	35x9	2,6	40 16758 21105 2	40 16758 22105 1	40 16758 23105 0	40 16758 24105 9
	400x80	25x6	1,3	40 16758 21406 0	40 16758 22406 9	40 16758 23406 8	40 16758 24406 7
	400x100	30x8	1,7	40 16758 21413 8	40 16758 22413 7	40 16758 23413 6	40 16758 24413 5
	400x120	30x8	1,8	40 16758 21424 4	40 16758 22424 3	40 16758 23424 2	40 16758 24424 1
X	400x120	35x11	3,1	40 16758 21199 1	40 16758 22199 0	40 16758 23199 9	40 16758 24199 8
	400x140	35x9	2,6	40 16758 21451 0	40 16758 22451 9	40 16758 23451 8	40 16758 24451 7
X	400x175	35x9	3,0	40 16758 21106 9	40 16758 22106 8	40 16758 23106 7	40 16758 24106 6
	500x80	25x6	1,5	40 16758 21408 4	40 16758 22408 3	40 16758 23408 2	40 16758 24408 1
	500x100	30x8	1,9	40 16758 21414 5	40 16758 22414 4	40 16758 23414 3	40 16758 24414 2
	500x120	30x8	2,0	40 16758 21425 1	40 16758 22425 0	40 16758 23425 9	40 16758 24425 8
X	500x120	35x11	3,4	40 16758 21200 4	40 16758 22200 3	40 16758 23200 2	40 16758 24200 1
	500x140	35x9	2,8	40 16758 21452 7	40 16758 22452 6	40 16758 23452 5	40 16758 24452 4
	600x100	30x8	2,1	40 16758 21415 2	40 16758 22415 1	40 16758 23415 0	40 16758 24415 9
	600x120	30x8	2,2	40 16758 21426 8	40 16758 22426 7	40 16758 23426 6	40 16758 24426 5
X	600x120	35x11	3,7	40 16758 21201 1	40 16758 22201 0	40 16758 23201 9	40 16758 24201 8
	600x140	35x9	3,0	40 16758 21453 4	40 16758 22453 3	40 16758 23453 2	40 16758 24453 1

Heavy duty malleable cast iron screw clamp black arms

Arms black coated



DIN size	Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #
	800x100	30x8	2,5	40 16758 21418 3	40 16758 22418 2	40 16758 23418 1	40 16758 24418 0
	800x120	30x8	2,6	40 16758 21429 9	40 16758 22429 8	40 16758 23429 7	40 16758 24429 6
X	800x120	35x11	4,1	40 16758 21202 8	40 16758 22202 7	40 16758 23202 6	40 16758 24202 5
	800x140	35x9	3,4	40 16758 21456 5	40 16758 22456 4	40 16758 23456 3	40 16758 24456 2
	1000x100	30x8	2,9	40 16758 21420 6	40 16758 22420 5	40 16758 23420 4	40 16758 24420 3
	1000x120	30x8	2,9	40 16758 21431 2	40 16758 22431 1	40 16758 23431 0	40 16758 24431 9
X	1000x120	35x11	4,6	40 16758 21203 5	40 16758 22203 4	40 16758 23203 3	40 16758 24203 2
	1000x140	35x9	3,8	40 16758 21457 2	40 16758 22457 1	40 16758 23457 0	40 16758 24457 9
	1250x120	30x8	3,4	40 16758 21432 9	40 16758 22432 8	40 16758 23432 7	40 16758 24432 6
X	1250x120	35x11	5,3	40 16758 21204 2	40 16758 22204 1	40 16758 23204 0	40 16758 24204 9
	1250x140	35x9	4,3	40 16758 21458 9	40 16758 22458 8	40 16758 23458 7	40 16758 24458 6
	1500x120	30x8	3,9	40 16758 21433 6	40 16758 22433 5	40 16758 23433 4	40 16758 24433 3
X	1500x120	35x11	6,0	40 16758 21205 9	40 16758 22205 8	40 16758 23205 7	40 16758 24205 6
	1500x140	35x9	4,8	40 16758 21459 6	40 16758 22459 5	40 16758 23459 4	40 16758 24459 3
	2000x120	30x8	4,9	40 16758 21435 0	40 16758 22435 9	40 16758 23435 8	40 16758 24435 7
X	2000x120	35x11	7,4	40 16758 21206 6	40 16758 22206 5	40 16758 23206 4	40 16758 24206 3
	2000x140	35x9	5,8	40 16758 21461 9	40 16758 22461 8	40 16758 23461 7	40 16758 24461 6
X	2500x120	35x11	8,9	40 16758 21207 3	40 16758 22207 2	40 16758 23207 1	40 16758 24207 0
X	3000x120	35x11	10,4	40 16758 21208 0	40 16758 22208 9	40 16758 23208 8	40 16758 24208 7

Deep throat screw clamp

The deep throat screw clamps from IDEAL are the perfect tools for work that requires a high clamping force AND a long working reach. Work pieces requiring a reach of up to 400mm can be reliably and safely clamped with the IDEAL Deep Throat Screw Clamps. These clamps are produced using the same high quality materials as the Heavy Duty Malleable Cast Iron Clamps: The hexagonal rail is ribbed for maximum holding power and the heavy duty, cast iron arms are reinforced by strategically located webs for maximum strength.

Heavy duty cast iron clamping arms with 175 to 400mm throat depths are reinforced with thick webs for maximum strength

Clamping arms are black coated

Heavy duty shaped rail is Zinc plated for corrosion resistance and ribbed for maximum holding power



Swiveling steel pressure plate and high quality, smooth turning Acme thread spindle create more clamping power with less effort

Ergonomically shaped handle is available in 4 versions:

 Varnished wooden handle

 Power Grip handle with special non-slip coating, blue-black

 Power Grip handle with special non-slip coating, red-black

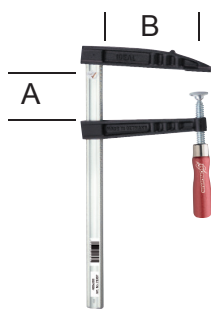
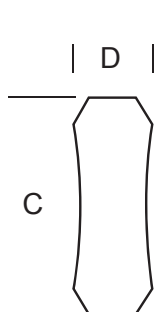
 Tommy bar with rounded ends for extremely high torque and clamping force



“Qualität Made in Germany”

Deep throat screw clamp

Arms black coated



Wooden handle



PG-blue-black



PG-red-black



Tommy bar

Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #
400x175	35x9	3,1	40 16758 21300 1	40 16758 22300 0	40 16758 23300 9	40 16758 24300 8
500x175	35x9	3,3	40 16758 21301 8	40 16758 22301 7	40 16758 23301 6	40 16758 24301 5
600x175	35x9	3,5	40 16758 21302 5	40 16758 22302 4	40 16758 23302 3	40 16758 24302 2
800x175	35x9	3,9	40 16758 21303 2	40 16758 22303 1	40 16758 23303 0	40 16758 24303 9
1000x175	35x9	4,3	40 16758 21304 9	40 16758 22304 8	40 16758 23304 7	40 16758 24304 6
400x200	35x11	3,6	40 16758 21307 0	40 16758 22307 9	40 16758 23307 8	40 16758 24307 7
500x200	35x11	3,9	40 16758 21308 7	40 16758 22308 6	40 16758 23308 5	40 16758 24308 4
600x200	35x11	4,2	40 16758 21309 4	40 16758 22309 3	40 16758 23309 2	40 16758 24309 1
800x200	35x11	4,8	40 16758 21310 0	40 16758 22310 9	40 16758 23310 8	40 16758 24310 7
1000x200	35x11	5,4	40 16758 21311 7	40 16758 22311 6	40 16758 23311 5	40 16758 24311 4
400x250	45x12	5,1	40 16758 21314 8	40 16758 22314 7	40 16758 23314 6	40 16758 24314 5
500x250	45x12	5,6	40 16758 21315 5	40 16758 22315 4	40 16758 23315 3	40 16758 24315 2
600x250	45x12	6,0	40 16758 21316 2	40 16758 22316 1	40 16758 23316 0	40 16758 24316 9
800x250	45x12	6,8	40 16758 21317 9	40 16758 22317 8	40 16758 23317 7	40 16758 24317 6
1000x250	45x12	7,6	40 16758 21318 6	40 16758 22318 5	40 16758 23318 4	40 16758 24318 3
400x300	45x12	6,5	40 16758 21321 6	40 16758 22321 5	40 16758 23321 4	40 16758 24321 3
500x300	45x12	6,9	40 16758 21322 3	40 16758 22322 2	40 16758 23322 1	40 16758 24322 0
600x300	45x12	7,3	40 16758 21323 0	40 16758 22323 9	40 16758 23323 8	40 16758 24323 7
800x300	45x12	8,1	40 16758 21324 7	40 16758 22324 6	40 16758 23324 5	40 16758 24324 4
1000x300	45x12	8,9	40 16758 21325 4	40 16758 22325 3	40 16758 23325 2	40 16758 24325 1
400x400	45x12	7,7	40 16758 21328 5	40 16758 22328 4	40 16758 23328 3	40 16758 24328 2
500x400	45x12	8,1	40 16758 21329 2	40 16758 22329 1	40 16758 23329 0	40 16758 24329 9
600x400	45x12	8,6	40 16758 21330 8	40 16758 22330 7	40 16758 23330 6	40 16758 24330 5
800x400	45x12	9,5	40 16758 21331 5	40 16758 22331 4	40 16758 23331 3	40 16758 24331 2
1000x400	45x12	10,3	40 16758 21332 2	40 16758 22332 1	40 16758 23332 0	40 16758 24332 9

Earth ground screw clamp

The Earth ground screw clamps from IDEAL are designed for use where a work holding clamp is needed to also act as the ground for welding operations. Clamps are available in 18 versions with capacities from 300 Amps to 600 Amps depending on the clamp size. A grounding hole in the upper clamp arm is provided for connection of the ground wire. These clamps are produced using the same high quality materials as the Heavy Duty Malleable Cast Iron Clamps: The hexagonal rail is ribbed for maximum holding power and the heavy duty, cast iron arms are reinforced by strategically located webs for maximum strength.

Heavy duty cast iron clamping arms are reinforced with thick webs for maximum strength; the upper clamp arm has a hole for fastening the grounding cable

Clamping arms are Zinc plated

Heavy duty shaped rail is Zinc plated for corrosion resistance and ribbed for maximum holding power



Swiveling steel pressure plate and high quality, smooth turning Acme thread spindle create more clamping power with less effort

Clamp handle is available in 2 versions

Ergonomic wooden handle, varnished

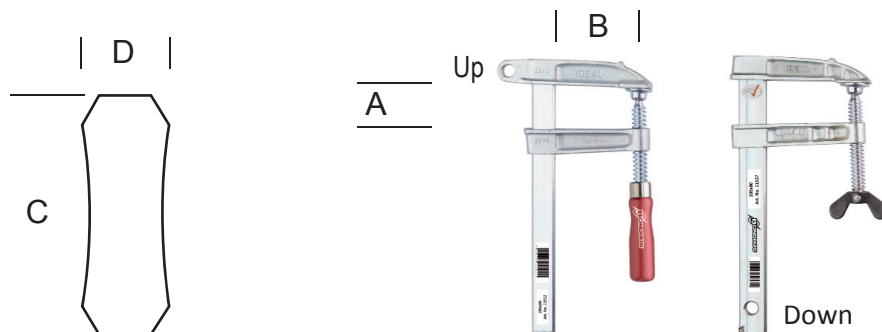
Wing nut



“Qualität Made in Germany”

Earth ground screw clamp

Arms zinc plated



Sizes mm A x B	Rail mm C x D	Weight Kg	Amperage max	EAN-Code-Item #	EAN-Code-Item #	Ground connection
120x60	22x6	0,55	300 A	40 16758 11500 8	40 16758 11505 3	Down
120x80	22x6	0,65	400 A	40 16758 11510 7	40 16758 11515 2	Up
150x60	22x6	0,60	300 A	40 16758 115015	40 16758 11506 0	Down
150x80	22x6	0,70	400 A	40 16758 11511 4	40 16758 11516 9	Up
200x60	22x6	0,65	300 A	40 16758 11502 2	40 16758 11507 7	Down
200x80	22x6	0,75	500 A	40 16758 11512 1	40 16758 11517 6	Up
200x80	25x6	0,85	500 A	40 16758 11532 9	40 16758 11537 4	Down
200x100	30x8	1.30	600 A	40 16758 11534 3	40 16758 11539 8	Down
300x100	25x6	0.95	500 A	40 16758 11533 6	40 16758 11538 1	Down

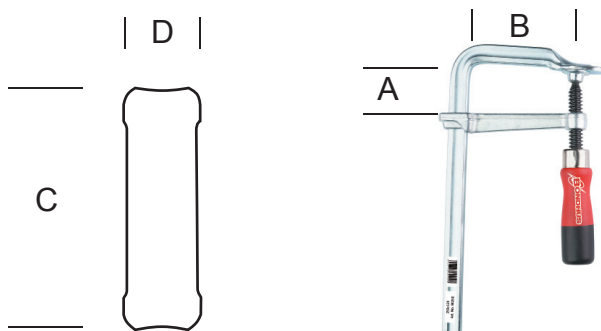


All steel screw clamp

High quality All Steel Screw Clamps from IDEAL deliver high clamping forces while eliminating the possibility of a broken clamp arm if used beyond its design limits. The one piece formed rail and upper clamp arm assembly is made from a high quality, drawn profile and as a result has high clamping capabilities while eliminating the possibility of a broken clamp arm if used beyond its design limits. The one piece rail/upper clamp arm assembly is designed to flex slightly if the clamp is tightened beyond its capacity. This elasticity or slight flexing prevents breakage of either clamp arm if the clamp is tightened beyond its capacity. The lower clamp arm is forged and provides a stable, distortion-free clamping force.



All steel screw clamp



Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #
100x50	11,5x5,7	0,2	40 16758 90100 7
120x60	13,5x6,7	0,3	40 16758 90120 5
160x80	16x7,5	0,5	40 16758 90160 1
200x100	19,5x9,5	0,9	40 16758 90200 4
250x120	22x10,5	1,3	40 16758 90250 9
300x140	25x12	1,8	40 16758 90300 1
400x120	25x12	1,9	40 16758 90400 8
500x120	25x12	2,2	40 16758 90500 5
600x120	25x12	2,4	40 16758 90600 2
800x120	27x13	3,3	40 16758 90800 6
1000x120	27x13	3,8	40 16758 91000 9
1250x120	27x13	4,4	40 16758 91250 8
1500x120	27x13	5,0	40 16758 91500 4

All steel metalwork torque clamp

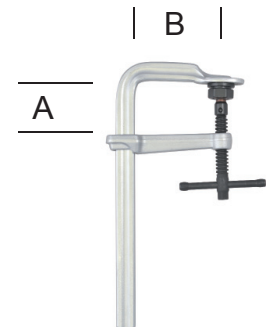
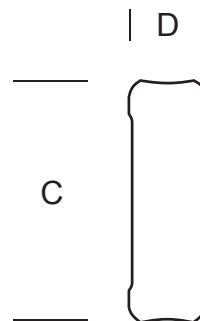
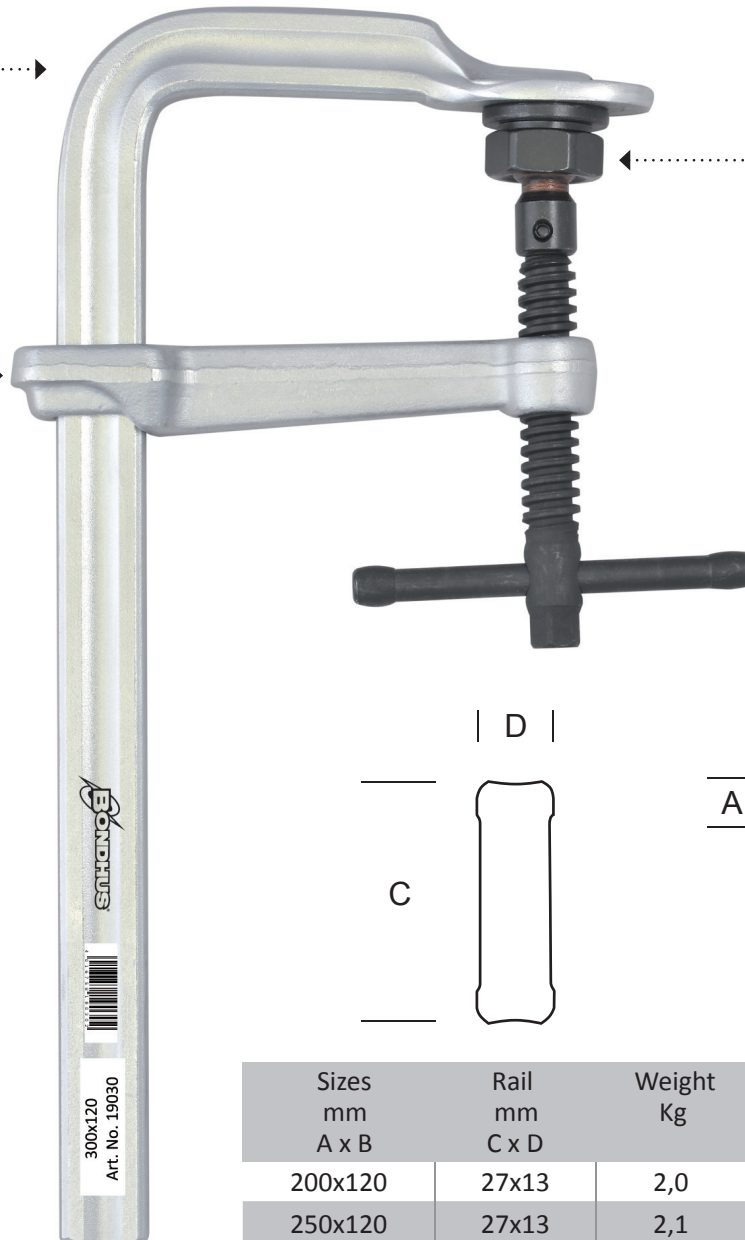
Heavy Duty All Steel Screw Clamps from IDEAL deliver higher clamping forces while eliminating the possibility of a broken clamp arm if used beyond its design limits. The heavier (27 x 13mm) one piece formed rail and upper clamp arm is made from a high quality, drawn profile and as a result, the clamp has a higher clamping capacity while eliminating the possibility of a broken clamp arm if used beyond its design limits. The one piece rail/upper clamp arm assembly is designed to flex slightly if the clamp is tightened beyond its capacity. This elasticity or slight flexing prevents breakage of either clamp arm if the clamp is tightened beyond its capacity. The lower clamp arm is forged and provides a stable, distortion-free clamping force.

Heavy duty shaped rail and upper clamp arm is formed from one piece of 27x13mm drawn steel profile for maximum strength and Zinc plated for corrosion protection

Forged clamp arm is Zinc plated

Heavy duty steel pressure plate will swivel up to 35 degrees and quality, smooth turning Acme thread spindle creates more clamping power with less effort

Tommy bar with rounded ends for extremely high torque and clamping force



Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #
200x120	27x13	2,0	40 16758 19020 3
250x120	27x13	2,1	40 16758 19025 8
300x120	27x13	2,25	40 16758 19030 2
400x120	27x13	2,5	40 16758 19040 1
500x120	27x13	2,7	40 16758 19050 0
600x120	27x13	3,0	40 16758 19060 9

Heavy duty all steel metalwork torque clamp

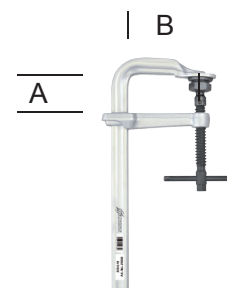
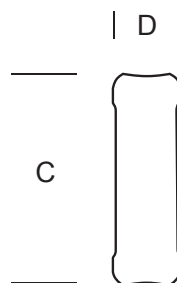
Heavy Duty All Steel Screw Clamps from IDEAL deliver higher clamping forces while eliminating the possibility of a broken clamp arm if used beyond its design limits. The heavier (30 x 15mm) one piece formed rail and upper clamp arm is made from a high quality, drawn profile and as a result, the clamp has a higher clamping capacity while eliminating the possibility of a broken clamp arm if used beyond its design limits. The one piece rail/upper clamp arm assembly is designed to flex slightly if the clamp is tightened beyond its capacity. This elasticity or slight flexing prevents breakage of either clamp arm if the clamp is tightened beyond its capacity. The lower clamp arm is forged and provides a stable, distortion-free clamping force. This clamp is the optimal solution for industrial and professional tool users.

Heavy duty shaped rail and upper clamp arm is formed from one piece of 30x15mm drawn steel profile for maximum strength and Zinc plated for corrosion protection

Forged clamp arm is Zinc plated

T-handle for extremely high torque and clamping force

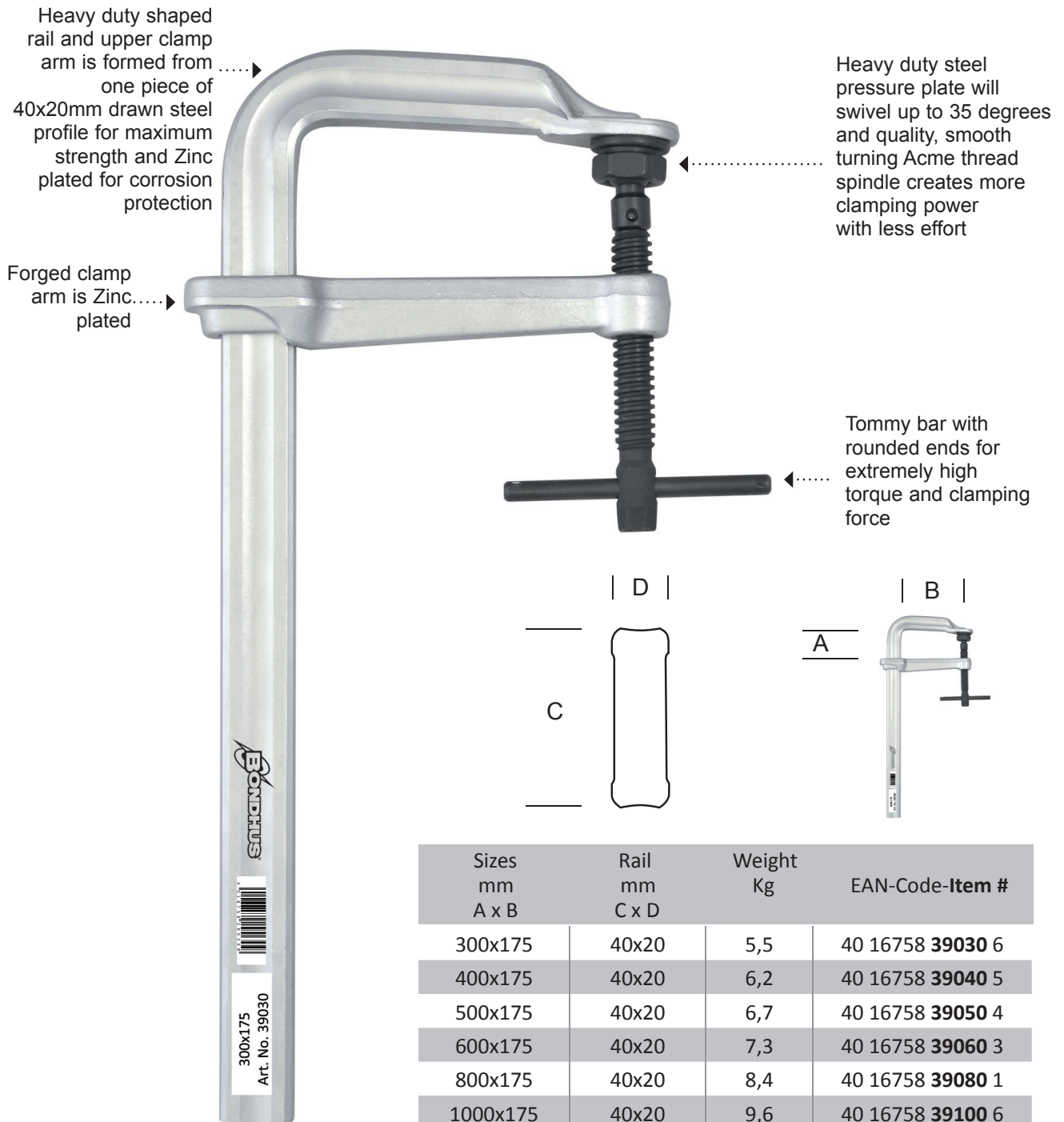
Heavy duty steel pressure plate will swivel up to 35 degrees and quality, smooth turning Acme thread spindle creates more clamping power with less effort



Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #
250x120	30x15	2,8	40 16758 29025 5
300x140	30x15	3,1	40 16758 29030 9
500x140	30x15	3,7	40 16758 29050 7
800x140	30x15	4,7	40 16758 29080 4
1000x120	30x15	5,2	40 16758 29100 9
1250x120	30x15	6,0	40 16758 29125 2

Very heavy duty all steel torque steel construction clamp

Very Heavy Duty All Steel Screw Clamps from IDEAL deliver very high clamping forces while eliminating the possibility of a broken clamp arm if used beyond its design limits. The very heavy (40 x 20mm) one piece formed rail and upper clamp arm is made from a high quality, drawn profile and as a result, the clamp has a very high clamping capability while eliminating the possibility of a broken clamp arm if used beyond its design limits. The one piece rail/upper clamp arm assembly is designed to flex slightly if the clamp is tightened beyond its capacity. This elasticity or slight flexing prevents breakage of either clamp arm if the clamp is tightened beyond its capacity. The lower clamp arm is forged and provides a stable, distortion-free clamping force.



All steel lever clamp

The All Steel Lever Clamps from IDEAL deliver high clamping forces with an easy, lever operated action. The one piece formed rail and upper clamp arm assembly is made from a high quality, drawn profile and as a result has high clamping capabilities while eliminating the possibility of a broken clamp arm if used beyond its design limits. The one piece rail/upper clamp arm assembly is designed to flex slightly if the clamp is tightened beyond its capacity. This elasticity or slight flexing prevents breakage of either clamp arm if the clamp is tightened beyond its capacity. The lower clamp arm is forged and provides a stable, distortion-free clamping force. Due to the unique design of the lever mechanism, effortless, single handed clamping operation is possible.

Heavy duty shaped rail and upper clamp arm is
formed from one piece of
27x13mm drawn steel
profile for maximum
strength and Zinc plated
for corrosion protection

Forged clamp arm
is Zinc plated

**For fast and easy
clamping with high
clamping forces**

Pressure plate rotates to
adjust to oblique surfaces

Self-locking clamping lever
with ratcheting mechanism

Plastic-coated release lever
made from hardened steel

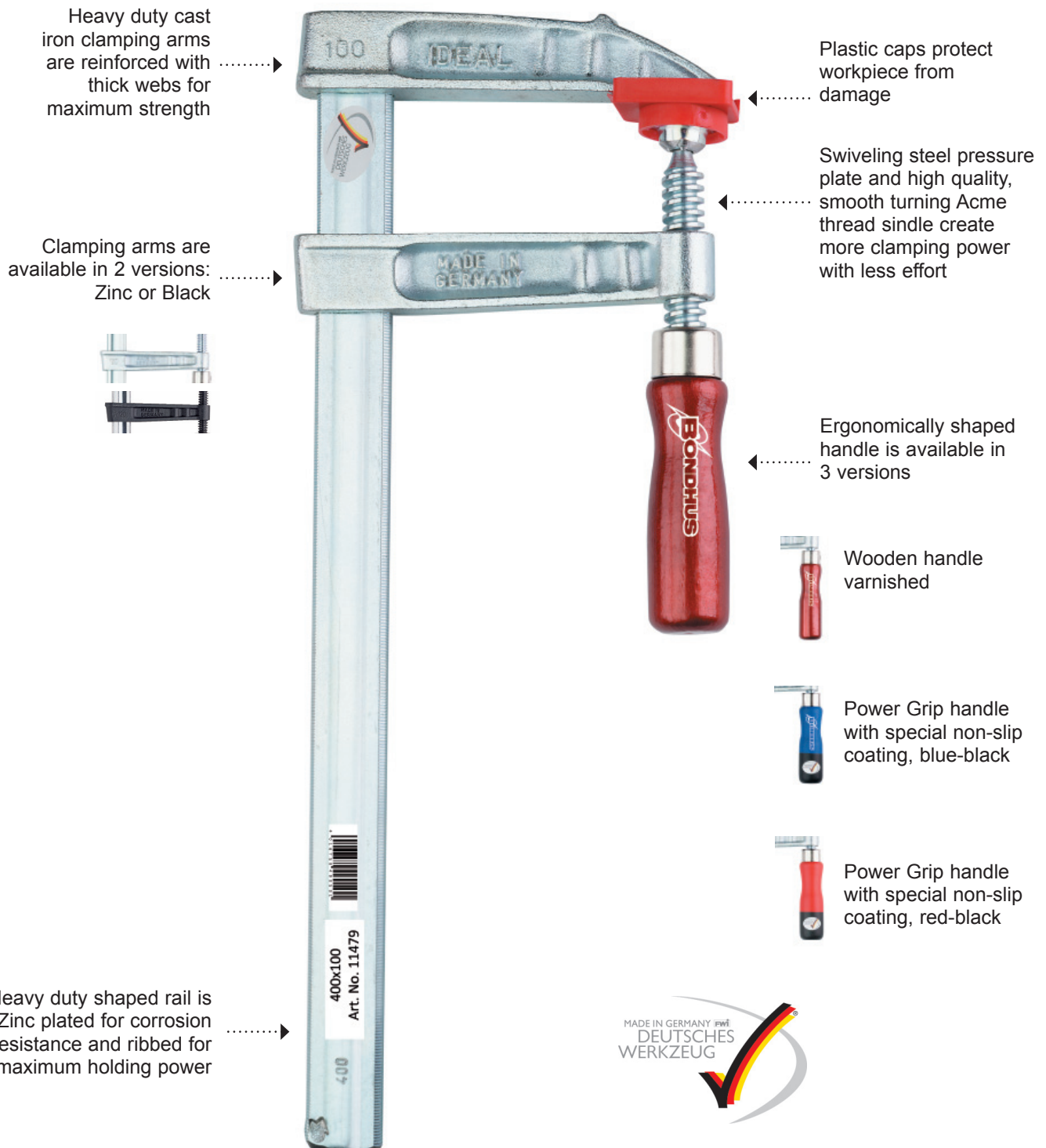
Ergonomically designed
lever grip will deliver
Clamping forces up to
7000 N



Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #
160x80	16x7,5	0,7	40 16758 49016 7
200x100	19,5x9,5	1,1	40 16758 49020 4
250x120	22x10,5	1,7	40 16758 49025 9
300x140	25x12	2,5	40 16758 49030 3
400x120	25x12	2,6	40 16758 49040 2
500x120	25x12	2,8	40 16758 49050 1
600x120	25x12	3,0	40 16758 49060 0
800x120	27x13	3,1	40 16758 49080 8
1000x120	27x13	4,4	40 16758 49100 3

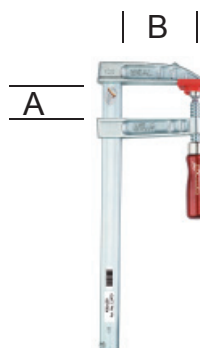
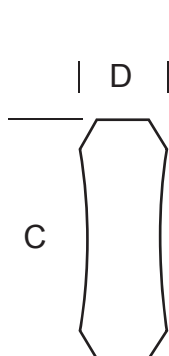
DIY screw clamp

The DIY Screw Clamps from IDEAL are a lighter weight version of the Heavy Duty Malleable Cast Iron Clamp line, while maintaining all of the quality construction features. The hexagonal rail is ribbed for maximum holding power and the heavy duty, cast iron arms are reinforced by strategically located webs for maximum strength making this clamp the ideal DIY screw clamp.



“Qualität Made in Germany”

DIY screw clamp



Wooden handle



PG-blue-black



PG-red-black

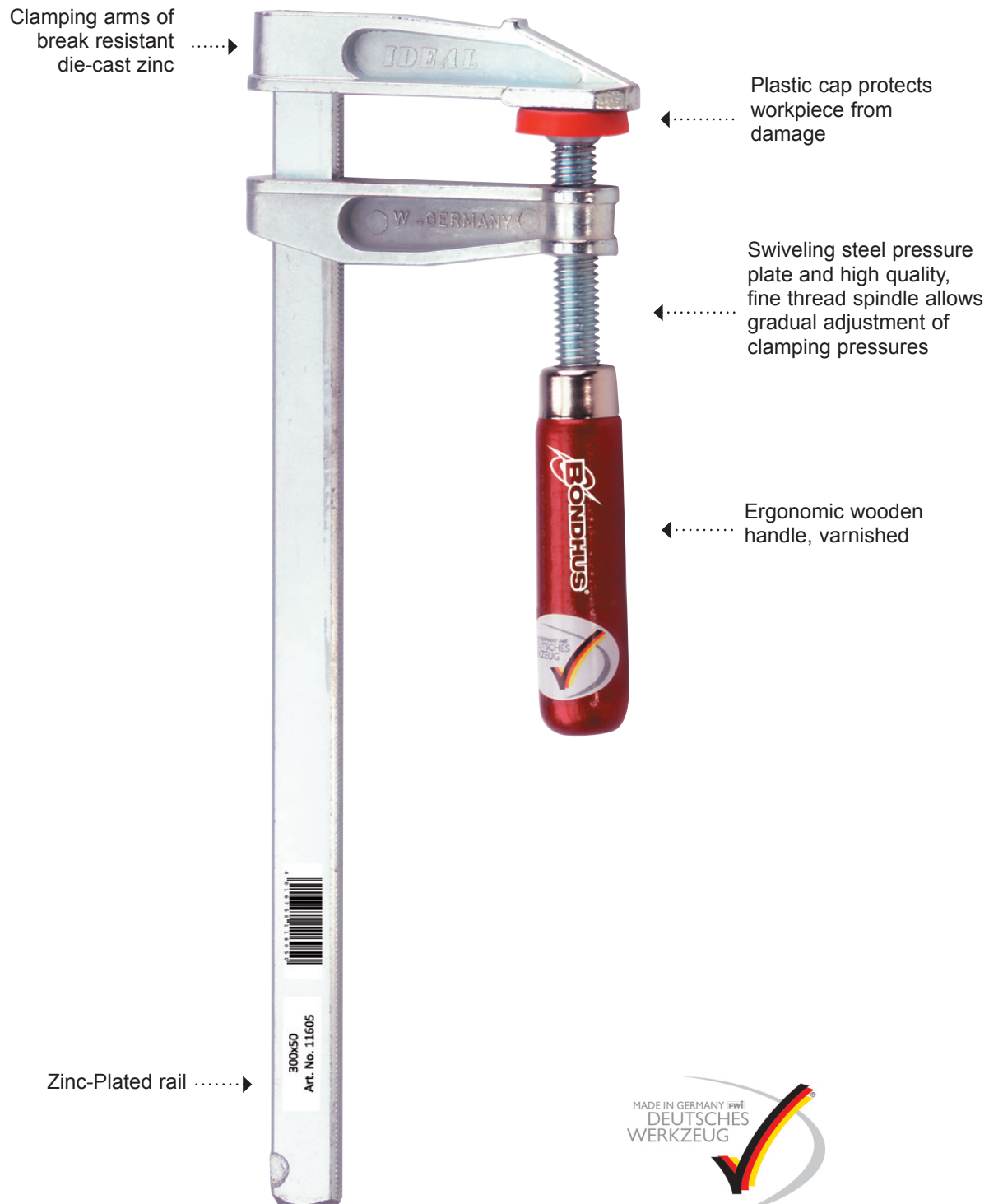


Arms black

Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #	EAN-Code-Item #
150x80	22x6	0,6	40 16758 11470 4	40 16758 12470 3	40 16758 13470 2	40 16758 14470 1
200x80	22x6	0,7	40 16758 11471 1	40 16758 12471 0	40 16758 13471 9	40 16758 14471 8
250x80	22x6	0,8	40 16758 11472 8	40 16758 12472 7	40 16758 13472 6	40 16758 14472 5
300x80	22x6	0,9	40 16758 11473 5	40 16758 12473 4	40 16758 13473 3	40 16758 14473 2
400x80	22x6	1,0	40 16758 11474 2	40 16758 12474 1	40 16758 13474 0	40 16758 14474 9
500x80	22x6	1,1	40 16758 11475 9	40 16758 12475 8	40 16758 13475 7	40 16758 14475 6
200x100	25x6	0,9	40 16758 11476 6	40 16758 12476 5	40 16758 13476 4	40 16758 14476 3
250x100	25x6	1,0	40 16758 11477 3	40 16758 12477 2	40 16758 13477 1	40 16758 14477 0
300x100	25x6	1,1	40 16758 11478 0	40 16758 12478 9	40 16758 13478 8	40 16758 14478 7
400x100	25x6	1,2	40 16758 11479 7	40 16758 12479 6	40 16758 13479 5	40 16758 14479 4
500x100	25x6	1,3	40 16758 11480 3	40 16758 12480 2	40 16758 13480 1	40 16758 14480 0
600x100	25x6	1,4	40 16758 11481 0	40 16758 12481 9	40 16758 13481 8	40 16758 14481 7
750x100	25x6	1,5	40 16758 11482 7	40 16758 12482 6	40 16758 13482 5	40 16758 14482 4
1000x100	25x6	1,7	40 16758 11483 4	40 16758 12483 3	40 16758 13483 2	40 16758 14483 1

Hobby screw clamp

The Hobby Screw Clamps from IDEAL are designed specifically for applications where light to medium clamping forces are required. The light weight and ease of use make this clamp popular for model making, furniture assembly, plastic fabrication, etc. The fine spindle thread allows for very gradual adjustment of clamping pressures. The clamping arms are produced from break resistant die cast Zinc which contributes to the light weight nature of these clamps.

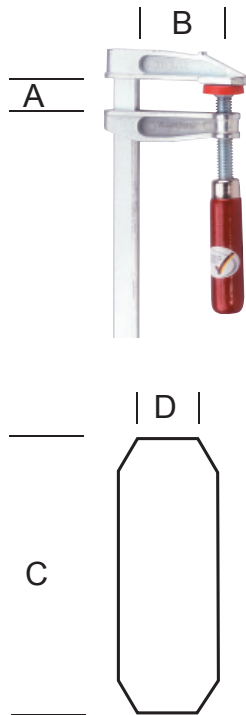


“Qualität Made in Germany”

Hobby screw clamp

Hobby screw clamp

Clamping arms - silver colored - die cast zinc (Z-410), rail, spindle and pressure plate zinc coated, red wooden handle, plastic cap.



Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #
100x50	15x5	0,25	40 16758 11600 5
150x50	15x5	0,27	40 16758 11601 2
200x50	15x5	0,29	40 16758 11602 9
250x50	15x5	0,31	40 16758 11603 6
300x50	15x5	0,33	40 16758 11604 3
350x50	15x5	0,35	40 16758 11605 0
400x50	15x5	0,37	40 16758 11606 7
150x80	22x6	0,55	40 16758 11650 0
200x80	22x6	0,60	40 16758 11652 4
250x80	22x6	0,65	40 16758 11654 8
300x80	22x6	0,70	40 16758 11656 2
400x80	22x6	0,80	40 16758 11658 6
500x80	22x6	0,90	40 16758 11660 9



Set of 2 Pieces

Sizes mm A x B	Rail mm C x D	Weight Kg	EAN-Code-Item #
100x50	15x5	0,25	40 16758 01164 5
150x50	15x5	0,27	40 16758 01165 0
200x50	15x5	0,29	40 16758 01166 1
200x80	22x6	1,25	40 16758 11665 4

Hand vices and wooden glueing clamp

Hand vices with wing nut


G 1

Sizes mm	Wingspread mm	Weight Kg	EAN-Code-Item #
100x36	18	0,33	40 16758 00710 5
120x40	22	0,50	40 16758 00711 2
130x42	25	0,55	40 16758 00712 9
145x45	28	0,73	40 16758 00713 6
160x50	32	0,90	40 16758 00714 3
180x56	50	1,50	40 16758 00715 0
200x60	55	1,90	40 16758 00716 7

Hand vices with crank


G 2

Sizes mm	Wingspread mm	Weight Kg	EAN-Code-Item #
130x42	25	0,65	40 16758 00720 4
160x50	32	1,00	40 16758 00721 1
180x56	50	1,60	40 16758 00722 8
200x60	55	2,10	40 16758 00723 5

Hand vices, double reinforced, with wing nuts


G 40

Sizes mm	Wingspread mm	Weight Kg	EAN-Code-Item #
145x50	40	1,10	40 16758 00730 3
160x55	50	1,30	40 16758 00731 0
180x60	50	1,90	40 16758 00732 7
200x65	55	2,30	40 16758 00733 4

Hand vices, double reinforced, with crank


G 45

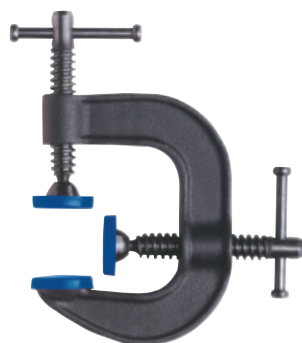
Sizes mm	Wingspread mm	Weight Kg	EAN-Code-Item #
145x50	40	1,25	40 16758 00740 2
160x55	50	1,55	40 16758 00741 9
180x60	50	2,10	40 16758 00742 6
200x65	55	2,60	40 16758 00743 3

Machinists' hand vices with crank

Sizes mm	Wingspread mm	Weight Kg	EAN-Code-Item #
160x80	50	2,15	40 16758 00750 1
180x68	55	2,60	40 16758 00751 8
200x71	55	3,45	40 16758 00752 5
250x80	80	5,40	40 16758 00753 2

Glue clamps 70x60 mm

EAN-Code Item No 40 16758 **00725** 9



Wooden glueing clamp

Of white beech with eccentric and cork-tipped jaws

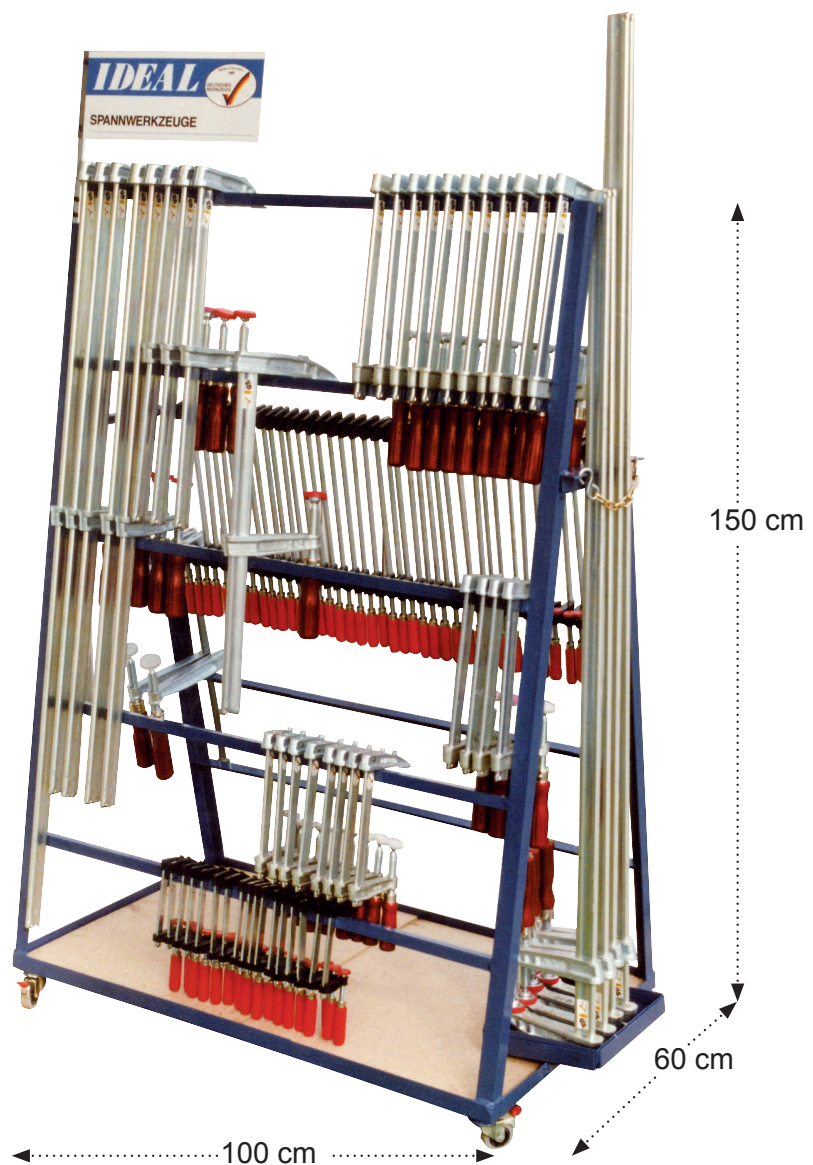
Sizes mm	Wingspread mm	Weight Kg	EAN-Code-Item #
200x110	20x5	0,50	40 16758 00700 6
300x110	20x5	0,55	40 16758 00707 5
400x110	20x5	0,63	40 16758 00701 3
600x110	20x5	0,84	40 16758 00702 0
800x110	20x5	1,05	40 16758 00703 7
1000x110	20x5	1,26	40 16758 00704 4

Stand for screw clamps**Stand for screw clamps****The useful shop display**

For the best presentation of our
IDEAL-clamps we have two sizes:

Size I **60x60x130 cm** EAN-Code-Item # 40 16758 00800 3

Size II **100x60x150 cm** EAN-Code-Item # 40 16758 00801 0



Package size:
1,20 M x 1,80 M x 1,60 M
on EURO-Palette

Weight: 40 Kg

Part Number Index

Clamps

PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA
00700	134		11435	116		12204	116		13426	115		14432	116		21316	121	
00701	134		11450	115		12205	116		13429	115		14433	116		21317	121	
00702	134		11451	115		12206	116		13431	116		14435	116		21318	121	
00703	134		11452	115		12207	116		13432	116		14450	115		21321	121	
00704	134		11453	115		12208	116		13433	116		14451	115		21322	121	
00707	134		11456	115		12411	115		13435	116		14452	115		21323	121	
00710	134		11457	116		12413	115		13450	115		14453	115		21324	121	
00711	134		11458	116		12414	115		13451	115		14456	115		21325	121	
00712	134		11459	116		12415	115		13452	115		14457	116		21328	121	
00713	134		11461	116		12418	115		13453	115		14458	116		21329	121	
00714	134		11470	131		12424	115		13456	115		14459	116		21330	121	
00715	134		11471	131		12425	115		13457	116		14461	116		21331	121	
00716	134		11472	131		12426	115		13458	116		14470	131		21332	121	
00720	134		11473	131		12429	115		13459	116		14471	131		21402	117	
00721	134		11474	131		12435	116		13461	116		14472	131		21403	117	
00722	134		11475	131		12452	115		13470	131		14473	131		21404	117	
00723	134		11476	131		12453	115		13471	131		14474	131		21406	117	
00725	134		11477	131		12456	115		13472	131		14475	131		21408	117	
00730	134		11478	131		12457	116		13473	131		14476	131		21410	117	
00731	134		11479	131		12458	116		13474	131		14477	131		21411	117	
00732	134		11480	131		12459	116		13475	131		14478	131		21413	117	
00733	134		11481	131		12461	116		13476	131		14479	131		21414	117	
00740	134		11482	131		12470	131		13477	131		14480	131		21415	117	
00741	134		11483	131		12471	131		13478	131		14481	131		21418	118	
00742	134		11500	123		12472	131		13479	131		14482	131		21420	118	
00743	134		11501	123		12473	131		13480	131		14483	131		21422	117	
00750	134		11502	123		12474	131		13481	131		19020	126		21424	117	
00751	134		11505	123		12475	131		13482	131		19025	126		21425	117	
00752	134		11506	123		12476	131		13483	131		19030	126		21426	117	
00753	134		11507	123		12477	131		14102	115		19040	126		21429	118	
00800	135		11510	123		12478	131		14103	115		19050	126		21431	118	
00801	135		11511	123		12479	131		14106	115		19060	126		21432	118	
01164	133		11512	123		12480	131		14199	115		21101	117		21433	118	
01165	133		11515	123		12481	131		14200	115		21102	117		21435	118	
01166	133		11516	123		12482	131		14201	115		21103	117		21451	117	
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11102	115		11532	123		13103	115		14203	116		21105	117		21453	117	
11103	115		11533	123		13106	115		14204	116		21106	117		21456	118	
11106	115		11534	123		13199	115		14205	116		21199	117		21457	118	
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11200	115		11538	123		13204	116		14207	116		21201	117		21459	118	
11201	115		11539	123		13205	116		14208	116		21202	118		21461	118	
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11426	115		12199	115		13424	115		14429	115		21314	121		22300	121	
11429	115		12203	116		13425	115		14431	116		21315	121		22301	121	

Part Number Index

Clamps

PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA	PART#	PG#	LIST EA
22302	121		23201	117		23458	118		24431	118		62422	115				
22303	121		23202	118		23459	118		24432	118		62431	116				
22304	121		23203	118		23461	118		24433	118		62432	116				
22307	121		23204	118		24102	117		24435	118		62433	116				
22308	121		23205	118		24103	117		24451	117		62450	115				
22309	121		23206	118		24104	117		24452	117		62451	115				
22310	121		23207	118		24105	117		24453	117		90100	125				
22311	121		23208	118		24106	117		24456	118		90120	125				
22314	121		23300	121		24199	117		24457	118		90160	125				
22315	121		23301	121		24200	117		24458	118		90200	125				
22316	121		23302	121		24201	117		24459	118		90250	125				
22317	121		23303	121		24202	118		24461	118		90300	125				
22318	121		23304	121		24203	118		29025	127		90400	125				
22321	121		23307	121		24204	118		29030	127		90500	125				
22322	121		23308	121		24205	118		29050	127		90600	125				
22323	121		23309	121		24206	118		29080	127		90800	125				
22324	121		23310	121		24207	118		29100	127		91000	125				
22325	121		23311	121		24208	118		29125	127		91250	125				
22328	121		23314	121		24300	121		39030	128		91500	125				
22329	121		23315	121		24301	121		39040	128							
22330	121		23316	121		24302	121		39050	128							
22331	121		23317	121		24303	121		39060	128							
22332	121		23318	121		24304	121		39080	128							
22402	117		23321	121		24307	121		39100	128							
22403	117		23322	121		24308	121		49016	129							
22404	117		23323	121		24309	121		49020	129							
22406	117		23324	121		24310	121		49025	129							
22408	117		23325	121		24311	121		49030	129							
22410	117		23328	121		24314	121		49040	129							
22411	117		23329	121		24315	121		49050	129							
22413	117		23330	121		24316	121		49060	129							
22414	117		23331	121		24317	121		49080	129							
22415	117		23332	121		24318	121		49100	129							
22418	118		23402	117		24321	121		52100	115							
22420	118		23403	117		24322	121		52101	115							
22422	117		23404	117		24323	121		52102	115							
22424	117		23406	117		24324	121		52200	115							
22425	117		23408	117		24325	121		52201	115							
22426	117		23410	117		24328	121		52202	115							
22429	118		23411	117		24329	121		53101	115							
22431	118		23413	117		24330	121		53102	115							
22432	118		23414	117		24331	121		53200	115							
22433	118		23415	117		24332	121		53201	115							
22435	118		23418	118		24402	117		53202	115							
22451	117		23420	118		24403	117		61402	115							
22452	117		23421	118		24404	117		61403	115							
22453	117		23422	117		24406	117		61408	115							
22456	118		23424	117		24408	117		61420	116							
22457	118		23425	117		24410	117		61421	115							
22458	118		23426	117		24411	117		61422	115							
22459	118		23429	118		24413	117		61431	116							
22461	118		23431	118		24414	117		61432	116							
23101	117		23432	118		24415	117		61433	116							
23102	117		23433	118		24418	118		62402	115							
23103	117		23435	118		24420	118		62403	115							
23104	117		23451	117		24422	117		62404	115							
23105	117		23452	117		24424	117		62406	115							
23106	117		23453	117		24425	117		62408	115							
23199	117		23456	118		24426	117		62420	116							
23200	117		23457	118		24429	118		62421	115							

Notes

Notes

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