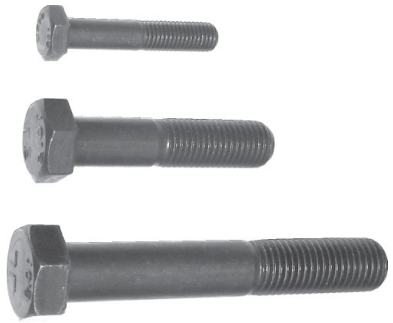
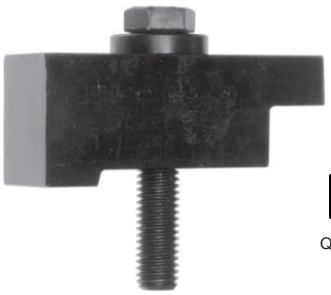
METRIC HEX HEAD BOLTS

CLASS 10.9 ALLOY STEEL HEAT TREATED (COMPARABLE TO GRADE 8)
150,800 PSI TENSILE 33-39 ROCKWELL C, BLACK OIL FINISH







Made in USA

ISO-9001
MANUFACTURED IN A QUALITY SYSTEM CERTIFIED FACILITY.

METRIC THREAD SIZE	LENGTH UNDER HEAD		PART NO.	PRICE EACH	WRENCH SIZE REQ'D
	MM	INCHES			
M12 X 1.75mm	50	1-31/32	M1217550	$.80	19mm
	65	2-9/16	M1217565	$1.15	
	75	2-31/32	M1217575	$1.25	
	90	3-9/16	M1217590	$1.40	
M14 X 2.0mm	90	3-9/16	M14290	$1.50	22mm
	110	4-7/16	M142110	$1.85	
M16 X 2.0mm	50	1-31/32	M16250	$2.00	24mm
	60	2-9/16	M16260	$2.45	
	75	2-31/32	M16275	$2.75	
	90	3-9/16	M16290	$2.95	
	110	4-7/16	M162110	$3.10	
M20 X 2.5mm	50	1-31/32	M202550	$2.30	30mm
	75	2-31/32	M202575	$2.95	
	90	3-9/16	M202590	$3.40	
	110	4-7/16	M2025110	$4.50	
	130	5-7/64	M2025130	$5.30	
	150	5-7/8	M2025150	$6.45	
M24 X 3.0mm	90	3-9/16	M24390	$8.45	36mm
	110	4-7/16	M243110	$8.95	
	120	4-23/32	M243120	$9.35	
	150	5-7/8	M243150	$9.90	
	180	7-5/64	M243180	$11.25	
	200	7-7/8	M243200	$12.50	
M30 X 3.5mm	120	4-23/32	M3035120	$12.50	46mm
	150	5-7/8	M3035150	$13.85	
	180	7-5/64	M3035180	$14.95	
	200	7-7/8	M3035200	$18.70	

EXTRA THICK METRIC FLAT WASHERS



STEEL - ZINC PLATED CLEAR - MEDIUM HARDNESS - CLASS 200 HV

METRIC SIZE	DECIMAL	FITS BOLT SIZE	APPROX. I.D.	APPROX. O.D.	THICKNESS	PART NO.	QUANTITY PRICES EACH		
							1-49	50-99	100+
12mm	.4724	1/2"	.5118	1.1811	.2362	TMW12	$.47	$.44	$.41
14mm	.5512	9/16"	.5906	1.4173	.2362	TMW14	$.66	$.62	$.58
16mm	.6299	5/8"	.6693	1.5748	.2362	TMW16	$.98	$.94	$.90
20mm	.7874	13/16"	.8268	1.7323	.3150	TMW20	$1.30	$1.23	$1.16
24mm	.9449	15/16"	.9843	1.9685	.3937	TMW24	$1.96	$1.86	$1.76

PPE
PLASTIC PROCESS EQUIPMENT, INC.

EAST
8303 CORPORATE PARK DRIVE
MACEDONIA, OHIO 44056-2300
216-367-7000 • FAX: 216-367-7022
TOLL FREE: 800-321-0562

WEST
6385 MONTESSOURI STREET
LAS VEGAS, NEVADA 89113-1186
702-433-6385 • FAX: 702-433-6388
TOLL FREE: 800-258-8877

www.ppe.com
e-mail: sales@ppe.com
Toll Free: USA, Canada & Mexico
800-362-0706
Order Fax: 800-223-8305