

STANDARD STEEL PLATE BARRIER FEATURES

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SPECIFICATION / STEEL PLATE MODEL#	II	III	IIIb	III-d	VIIa	VIIb	VII-d	VIII	VIIIa	X	XI
BARRIER / HPU HOUSING TYPE	DOUBLE	DOUBLE	SINGLE	REMOTE	SINGLE	DOUBLE	REMOTE	SINGLE	DOUBLE	SINGLE	SINGLE
CRASH CERTIFIED AND / OR ENGINEER RATING	15,000 lbs @ 50 mph	15,000 lbs @ 50 mph	15,000 lbs @ 50 mph	15,000 lbs @ 50 mph	10,000 lbs @ 50 mph	10,000 lbs @ 50 mph	15,000 lbs @ 50 mph	10,000 lbs @ 40 mph	10,000 lbs @ 40 mph	4,000 lbs @ 30 mph	6,000 lbs @ 30 mph
KINETIC ENERGY ABSORPTION (FOOT POUNDS FORCE)	1,200,000	1,200,000	1,200,000	1,200,000	835,000	835,000	1,200,000	534,400	534,400	120,240	501,000
NASATKA™ CERTIFICATION(S) (View Referenced Crash Tests on NBI CDROM)	DoS K12 / L3 Test #1	DoS K12 / L3 Test #1	DoS K12 / L3 Test #2	DoS K12 L3 Test #3	Test #5	Engr. Rated	Engr. Rated	Engr. Rated	Engr. Rated	Engr. Rated	Test # 6
FOUNDATION DEPTH REQUIRED	16"	16"	16"	12"	12"	12"	12"	8"	8"	4"	6'
STANDARD GATE OPENING (FEET)	10	10	10	10	10	15	10	10	10	10	10
MOUNTING TYPE (PAD or EXCAVATED)	PAD	EXCH	EXCH	EXCH	EXCH	EXCH	EXCH	EXCH	PAD	PAD	PAD / EXCH
ANCHORING TYPE (BOLTS or CAST into concrete)	BOLTS	CAST	CAST	CAST	CAST	CAST	CAST	BOLTS	BOLTS	BOLTS	BOLTS / CAST
BARRIER HEIGHT IN FULLY SECURE POSITION (INCHES)	32	33	33	33	28	28	28	24	24	12	20
HOT DIP GALVANIZED (YES / NO)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SUGGESTED CYCLING RATE (CYCLES / HOUR)	200	200	200	200	200	200	200	200	200	200	200
BARRIER WBGHT RESTRICTION	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED
AUTOMATIC / MANUAL OPERATION	A/M	A/M	A/M	A/M	A/M	A/M	A / M	A/M	A/M	A	A/M
NOMINAL CYCLE TIME - MANUAL OPERATION (SECONDS)	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
NOMINAL 1/2 CYCLE TIME - AUTO OPERATION (SECONDS)	5	5	5	5	5	5	5	5	5	5	5
E-UP OPERATION (1.5SEC)	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
CONTROLLER TYPE (Microprocessor / Relay)	MP	MP	MP	MP	MP	MP	MP	MP	MP	MP	MP
INTEGRATION WITH EXISTING ACC CONTROL SYS. (YES/NO)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
HORSE POWER	2	2	2	3	2	2	2	2	2	3/4	3/4
SINGLE PHASE (1P) THREE PHASE (3P) OR BOTH (B)	B	B	B	B	B	B	B	B	B	1P	1P
50 OR 60 HERTZ or BOTH (B)	B	B	B	B	B	B	B	B	B	B	B
STANDARD OPERATING TEMP. RANGE in of (LOW / HIGH)	20/120	20/120	20/120	20/120	20/120	20/120	20/120	20/120	20/120	20/120	20/120
MEET EPA STANDARD FOR HYDRAULIC OIL CONTAINMENT	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
SUGGESTED # of HYDRAULIC PUMPS	1	1	1	1	1	1	1	1	1	1	1
D.O.T. FILM or PAINTED WARNING SURFACES (FILM / PAINT)	EITHER	EITHER	EITHER	EITHER	EITHER	EITHER	EITHER	EITHER	EITHER	FILM	FILM
STOP LETTERING on IMPACT SIDES OF BARRIER (YES / NO)	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO

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STANDARD OPTIONS MODEL # II III III-b III-d VII-a VII-b VII-d VIII VIII-a X XI

STANDARD BARRIER OPTIONS

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2 BARRIER INTEGRATION FOR 20+FT TRAFFIC LN (YES / NO)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
BI-DIRECTIONAL - IN / OUT OPERATION (YES / NO)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ACCUMULATOR FOR OPER W/O POWER (YES - CYCLES / NO)	YES	NOT REQUIRED	NOT REQUIRED	YES	NOT REQUIRED	NOT REQUIRED	YES	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED	NOT REQUIRED
EMERGENCY-UP SECURE RATE (YES - SECONDS / NO)	YES - 1.2	YES - 1.2	YES - 1.2	YES - 1.2	YES - 1.2	YES - 1.2	YES - 1.2	YES - 1.2	YES - 1.2	NONE	YES - 1.2
EXTENDED OPERATING TEMP RANGE in of (LOW / HIGH)	-30/150	-30/150	-30/150	-30/150	-30/150	-30/150	-30/150	-30/150	-30/150	-30/150	-30/150
MAXIMUM GATE PLATE PER BARRIER	14'	20'	14'	14'	14'	24'	14'	14'	24'	14'	20'
MASTER CONTROL PANEL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
REMOTE CONTROL PANEL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
AUDIBLE ALERT ON EMERGENCY-UP (YES / NO)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
INDICATING LIGHTS FOR CONTROL PANELS	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
GATE ARM	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
TRAFFIC LIGHTS	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
LOOP DETECTOR SAFETY	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
LOOP DETECTOR ACCESS CONTROL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
MANUAL OPERATION: HPU PUMP (P) or HAND BAR (HB)	HB	HB	HB	P	HB	HB	P	HB	HB	HB	HB
SLAB HEATER SNOW MELT SYSTEM	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
LOW FLUID LEVEL SENSOR	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
CUSTOM BARRIER OPENING / DESIGN / CONFIGURATION	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
REMOTE HYDRAULIC POWER UNIT ENCLOSURE	NONE	NONE	NONE	YES	NONE	NONE	YES	NONE	NONE	NONE	NONE
CUSTOM COLOR	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
FOR OTHER OPTIONS NOT SHOWN HERE (PLEASE INQUIRE)	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE	INQUIRE

STANDARD OPTIONS MODEL # II III III-b III-d VII-a VII-b VII-d VIII VIII-a X XI