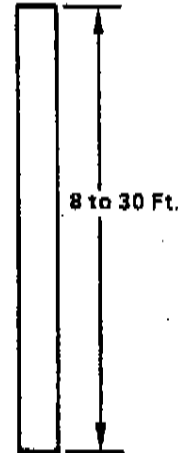


SPECIFICATIONS

- **SHAFT** — Square non-tapered shaft made from extruded 6063-T6 aluminum alloy (ASTM B-429). Shaft width is 4, 5 or 6 inches. Wall thickness is .125, .188, or .250 depending on mounting height and loading requirements.
- **ANCHOR BASE** — Cast from 356-T6 aluminum alloy (ASTM B-108). Anchor bolt holes are recessed and covered by aluminum caps.
- **HAND HOLE** — A rectangular reinforced handhole having nominal dimensions of 2 1/4" x 5 1/2" for 4" shafts and 3" x 5" for all others. A handhole cover plate made from 5086-H34 aluminum alloy with attachment hardware is provided.
- **ANCHOR BOLTS** — Top 12" galvanized per ASTM A-153. Made of 3/4" or 1" diameter steel rod having a minimum yield strength of 50,000 psi.
- **HARDWARE** — All screws, nuts and bolts are made of AISI 300 series stainless steel.
- **POLE TOP CAP** — A removable weatherproof top cap for the pole shaft is standard. The top cap is made from high strength plastic.
- **FINISHES** — Dark bronze acrylic enamel paint finish is standard. Optional painted and anodized finishes are available.

NOTE: If poles are stored outside, protective wrapping paper must be removed immediately to prevent staining.

**A32
SQUARE
NON-TAPERED
ALUMINUM**



ORDERING INFORMATION

The pole catalog number guide below illustrates the variations available, and establishes the components to build a catalog number for ordering purposes. To use, select the shaft type, mounting method, pole finish and options for your requirements. Transfer the designations to the appropriate blocks.

POLE TYPE	BA	A32	5620	DM19	DMB	BC
	BB	A32	5620	DM28	DMB	BC

NOMINAL MTG. HT. (ft.)	SHAFT TYPE DESIGNATION	MOUNTING METHOD DESIGNATION	DESCRIPTION	POLE FINISH DESIGNATION	DESCRIPTION
	8 4308 <input type="checkbox"/> 10 4310 <input type="checkbox"/> 12 4312 <input type="checkbox"/> 14 4314 <input type="checkbox"/> 16 4316 <input type="checkbox"/> 16 5616 <input type="checkbox"/> 18 4318 <input type="checkbox"/> 18 4618 <input type="checkbox"/> 20 4320 <input type="checkbox"/> 20 4620 <input type="checkbox"/> 20 5620 <input type="checkbox"/> 20 6620 <input type="checkbox"/> 25 5625 <input type="checkbox"/> 25 6625 <input type="checkbox"/> 25 6825 <input type="checkbox"/> 30 6630 <input type="checkbox"/> 30 6830 <input type="checkbox"/>				

NOTE: Bullhorn and spoke brackets available. See reverse side.
* Drill pattern and orientation must be specified when ordering.

JOB NUMBER TYPES BA & BB
JOB NAME DEXTER SCHOOL
LOCATION _____

APPROVAL STAMP



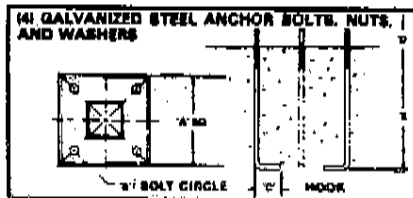
TECHNICAL INFORMATION

A32 POLE SERIES

ORDER/DESIGN INFORMATION

CATALOG NUMBER	NOMINAL MGT. HT. (ft)	POLE SHAFT SIZE (In x ft)	THICKNESS (In.)	100 MPH w/1.3 GUST		80 MPH w/1.3 GUST		60 MPH w/1.3 GUST		70 MPH w/1.3 GUST		BOLT CIRCLE (In)	ANCHOR BOLT SIZE (In.xIn.xIn.)	APPROX SHIP WT. lbs.
				Max. EPA (Ft²)	Max. WT. (lb)	Max. EPA (Ft²)	Max. WT. (lb)	Max. EPA (Ft²)	Max. WT. (lb)	Max. EPA (Ft²)	Max. WT. (lb)			
A32-4308	8	4.0 x 8.0	.125	11.5	150	14.8	150	18.5	150	25.5	150	8.5	¼ x 18 x 3	36.3
A32-4310	10	4.0 x 10.0	.125	8.0	150	10.9	150	13.5	150	19.4	150	8.5	¼ x 18 x 3	39.3
A32-4312	12	4.0 x 12.0	.125	5.5	150	8.1	150	10.5	150	16.2	150	8.5	¼ x 18 x 3	44.6
A32-4314	14	4.0 x 14.0	.125	4.0	150	6.0	150	8.0	150	12.0	150	8.5	¼ x 18 x 3	49.2
A32-4316	16	4.0 x 16.0	.125	2.0	150	3.4	150	5.0	150	7.6	150	8.5	¼ x 18 x 3	53.8
A32-6616	16	6.0 x 16.0	.188	7.5	150	11.1	150	15.0	150	20.9	150	10.5	½ x 30 x 3	76.7
A32-4318	18	4.0 x 18.0	.125	---	---	2.0	150	3.5	150	6.8	150	8.5	¼ x 18 x 3	58.5
A32-4618	18	4.0 x 18.0	.188	2.9	150	4.5	150	6.7	150	9.9	150	8.5	½ x 30 x 3	82.6
A32-4320	20	4.0 x 20.0	.125	---	---	---	---	2.0	150	4.2	150	8.5	¼ x 30 x 3	63.2
A32-4620	20	4.0 x 20.0	.188	1.5	150	3.0	150	4.8	150	7.9	150	8.5	½ x 30 x 3	89.6
A32-6620	20	6.0 x 20.0	.188	4.0	200	6.5	200	9.0	200	14.3	200	10.5	½ x 30 x 3	109.6
A32-6620	20	6.0 x 20.0	.188	7.0	250	11.0	250	14.5	250	22.6	250	12.0	1 x 36 x 4	147.8
A32-6625	25	6.0 x 25.0	.188	---	---	2.1	150	4.5	150	8.4	150	10.5	½ x 30 x 3	131.8
A32-6625	25	6.0 x 25.0	.188	2.0	200	5.1	200	8.5	200	14.3	200	12.0	1 x 36 x 4	174.4
A32-6625	25	6.0 x 25.0	.250	5.0	250	8.2	250	13.0	250	21.1	250	12.0	1 x 36 x 4	215.5
A32-6630	30	6.0 x 30.0	.188	---	---	---	---	3.5	150	8.2	150	12.0	1 x 36 x 4	200.3
A32-6630	30	6.0 x 30.0	.250	---	---	3.9	150	7.0	250	13.8	250	12.0	1 x 36 x 4	250.0

ANCHOR BASE DETAILS



DO NOT SET ANCHOR BOLTS WITHOUT FACTORY FURNISHED TEMPLATES

Type Pole	4"x4"(.125)	4"x4"(.188)	6"x6"(.188)	6"x6"(.188)	6"x6"(.250)
ANCHOR BOLTS	¾"x18"x3"	¾"x30"x3"	¾"x30"x3"	1"x36"x4"	1"x36"x4"
'A'	8 1/8"	8 1/8"	10 1/8"	11 1/8"	11 1/8"
'B'	8 1/2"	8 1/2"	10 1/2"	12"	12"
'C'	3"	3"	3"	4"	4"
'D'	2 1/4"-2 1/4"	2 1/4"-2 1/4"	2 1/4"-2 1/4"	2 1/4"-2 1/4"	2 1/4"-2 1/4"
'E'	15 1/4"-15 1/4"	27 1/4"-27 1/4"	27 1/4"-27 1/4"	33 1/4"-33 1/4"	33 1/4"-33 1/4"

BRACKET INFORMATION

Suffix	Pole Tenon Adaptor	Number Of Tenons And Tenon Arrangement	Load Capabilities		Bracket Size	
			Wt./ Tenon	EPA/ Tenon	Wt.	EPA
BA28	2 1/2"	2 @ 180°	100	4.5	10	1.2
BA38	2 1/2"	3 @ 180°	100	4.5	15	1.8
BA32	2 1/2"	3 @ 120°	100	4.5	12	1.6
BA48	2 1/2"	4 @ 90°	100	4.5	16	2.2
BA48	4"	4 @ 180°	100	4.5	28	3.0
SA18	2 1/2"	1 spoke type	100	4.5	6	.8
SA28	2 1/2"	2 @ 180° spoke type	100	4.5	7	.8
SA32	2 1/2"	3 @ 120° spoke type	100	4.5	8	1.0
SA48	2 1/2"	4 @ 90° spoke type	100	4.5	11	1.5

NOTE: These specifications are intended for general information purposes only. Hi-Tek reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

POLE OPTIONS**

SUFFIX DESIGNATION	DESCRIPTION
-F1††	Festoon Outlet-3 Prong Single
-F1T††	Festoon Outlet-Twist-Lock Single
-F1L††	Single Festoon Outlet (less electric)
-F2††	Festoon Outlet-3 Prong Duplex
-F2T††	Festoon Outlet-Twist-Lock Duplex
-F2L††	Duplex Festoon Outlet (less electric)
-HA1S*	Horizontal Arm Bracket-1 Fixture
-HA2S*	Horizontal Arm Bracket-2 Fixtures
-TA1S*	Quartz Bracket with 1/4" Couplings
-TA2S*	Quartz Bracket with 3/8" Couplings
-C1*	1/4" Coupling
-C2*	3/8" Coupling
-C3*	2" Coupling

*Specify location orientation when ordering.

†Consult factory for festoon outlets.

**See options/accessories page for more details.

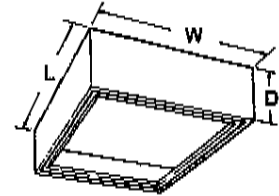
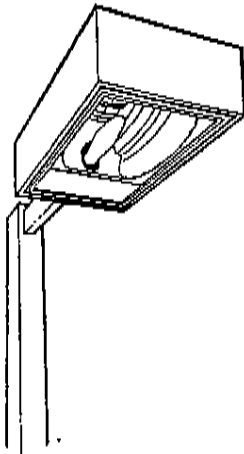
ARCHITECTURAL LIGHTING BY LITHONIA HI-TEK

KAA

SAME AS TAA

100/150/200/250/400/1000W HIGH PRESSURE SODIUM

15 to 50 Ft. Mounting • Initial Lumens 9,500-140,000 • Lamp Life 24,000 Hrs.



- **HOUSING** – Rugged, heavy-gauge, lightweight aluminum housing. Rectilinear shape, continuously seam welded for weathertight integrity. EPDM one-piece, fully-gasketed; extruded aluminum door frame with impact-resistant tempered glass lens. Extruded aluminum arm for pole or wall mounting. Dark bronze polyester powder finish standard, with eleven optional architectural colors available.
- **OPTICS** – One-piece hydroformed anodized aluminum reflector. Multi-faceted, segmental design for precise Type III area lighting. Reflector hinges out for easy removal during installation/maintenance.
- **BALLAST/ELECTRICAL SYSTEM** – High power factor ballast, factory tested for reliable operation. Electrical components are isolated from the optical chamber to provide excellent heat control and long ballast life. Removable power door for ease of installation/replacement of electrical components on medium and large housing. Positive locking disconnect plug.
- **U.L.** – Listed suitable for wet locations.

DIMENSIONS

Housing	100/150/200W	250/400W	1000W
EPA* +	1.8 ft. ² /37m ²	2.3 ft. ² /22m ²	3.0 ft. ² /28m ²
Length	21 7/8"/53.3 cm	24 7/8"/61.0 cm	30"/76.2 cm
Width	15 7/8"/39.1 cm	19 1/2"/49.5 cm	23 1/2"/59.7 cm
Depth	7 1/4"/18.4 cm	9 1/2"/24.1 cm	10 1/2"/26.7 cm

*Includes Mounting Arm
+ For MA deduct 6 ft.²/0.6m² from above values.

ORDERING INFORMATION Select the wattage, mounting, voltage and options for your requirements, then transfer the designations to the appropriate blocks. Accessories should be ordered as separate line items.

TYPE - **BA** **KAA 150S** **SP12** **SINGLE HEAD PER POLE**

WATTAGE			OPTIONS																													
WATTS	WEIGHT lbs/kg	DESIGNATION ✓	SUFFIX	DESCRIPTION																												
100	19/8.6	100S <input type="checkbox"/>	-HS	House Side Shield																												
150 (55v)	20/9.1	150S <input checked="" type="checkbox"/>	-SF	Single Fuse (120, 277 volts)																												
200	22/10.0	200S <input type="checkbox"/>	-DF	Double Fuse (208, 240, 480 volts)																												
250	24/10.9	250S <input type="checkbox"/>	-PER/PE	NEMA Twist-Lock PE (120, 208, 240V) +																												
400	39/17.7	400S <input type="checkbox"/>	-PER/PE7	NEMA Twist-Lock PE (277V) +																												
1000	53/24.1	1000S <input type="checkbox"/>	-PER/PE4	NEMA Twist-Lock PE (480V) +																												
MOUNTING DESIGNATION ✓ Square Pole SP 12 <input checked="" type="checkbox"/> Round Pole RP 12 <input type="checkbox"/> Wood Pole or Wall WW 12 <input type="checkbox"/> Optional Mounting Mast Arm* MA <input type="checkbox"/> Degree Arm Pole DA 12P <input type="checkbox"/> Degree Arm Wood Pole or Wall DA 12W <input type="checkbox"/> *Not available 100, 150 and 200W units.			-PER	NEMA Twist-Lock PE (Receptacle Only)																												
			-QRS	Quartz Restrike System																												
VOLTAGE DESIGNATION ✓ 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480 <input type="checkbox"/>			-TB	Multi-Tap Ballast (120, 208, 240 & 277V)																												
			-DMB	Architectural Color, Medium Bronze																												
ACCESSORIES Tenon Mounting Slipfitter is ordered as separate line item. Important with this accessory, an RP 12 or optional DA 12P mounting arm must be ordered on the fixtures. <table border="1"> <thead> <tr> <th>Tenon Size</th> <th>1 fixture</th> <th>2 fixtures at 180°</th> <th>2 fixtures at 90°</th> <th>3 fixtures at 120°</th> <th>3 fixtures at 90°</th> <th>4 fixtures at 90°</th> </tr> </thead> <tbody> <tr> <td>2 1/4" O.D.</td> <td>T2-190</td> <td>T2-280</td> <td>T2-290</td> <td>T2-320</td> <td>T2-390</td> <td>T2-490</td> </tr> <tr> <td>2 7/8" O.D.</td> <td>T3-190</td> <td>T3-280</td> <td>T3-290</td> <td>T3-320</td> <td>T3-390</td> <td>T3-490</td> </tr> <tr> <td>4" O.D.</td> <td>T4-190</td> <td>T4-280</td> <td>T4-290</td> <td>T4-320</td> <td>T4-390</td> <td>T4-490</td> </tr> </tbody> </table>			Tenon Size	1 fixture	2 fixtures at 180°	2 fixtures at 90°	3 fixtures at 120°	3 fixtures at 90°	4 fixtures at 90°	2 1/4" O.D.	T2-190	T2-280	T2-290	T2-320	T2-390	T2-490	2 7/8" O.D.	T3-190	T3-280	T3-290	T3-320	T3-390	T3-490	4" O.D.	T4-190	T4-280	T4-290	T4-320	T4-390	T4-490	-DCS	Architectural Color, Sand Stone
			Tenon Size	1 fixture	2 fixtures at 180°	2 fixtures at 90°	3 fixtures at 120°	3 fixtures at 90°	4 fixtures at 90°																							
2 1/4" O.D.	T2-190	T2-280	T2-290	T2-320	T2-390	T2-490																										
2 7/8" O.D.	T3-190	T3-280	T3-290	T3-320	T3-390	T3-490																										
4" O.D.	T4-190	T4-280	T4-290	T4-320	T4-390	T4-490																										
NOTE: For more details, see options and accessories sheet C-0/A. For color reference, see color guide sheet DC.			-DCB	Architectural Color, Black (Semi-Gloss)																												
			-DCC	Architectural Color, Capri Blue																												
TYPE BB - KAA 150S - SP 12 TWO HEADS PER POLE			-DCA	Architectural Color, Aztec Tan																												
			-DCX	Architectural Color, Garnet																												
JOB NUMBER _____			-DCZ	Architectural Color, Citation Gold																												
			-DCW	Architectural Color, White (Semi-Gloss)																												
JOB NAME <u>DEXTER SCHOOL</u>			-DCG	Architectural Color, Gray																												
			-DCO	Architectural Color, Ocher																												
LOCATION _____			-DCN	Architectural Color, Natural Aluminum																												
			+ Includes Receptacle and Photocontrol. Photocontrol shipped as separate item and must be field installed.																													

JOB NUMBER _____

JOB NAME DEXTER SCHOOL

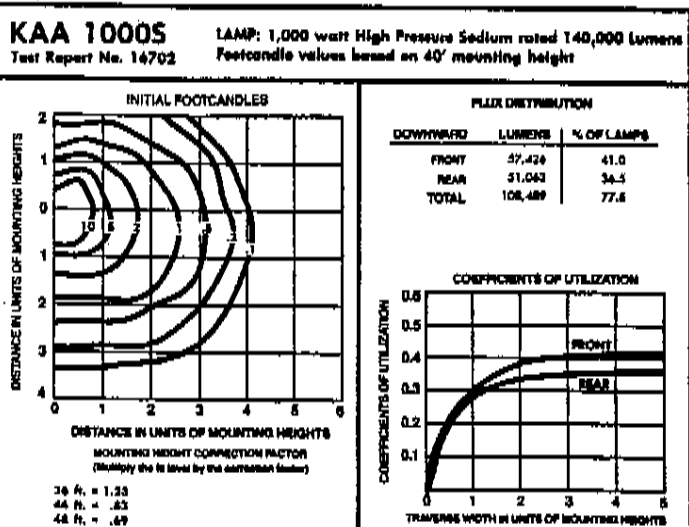
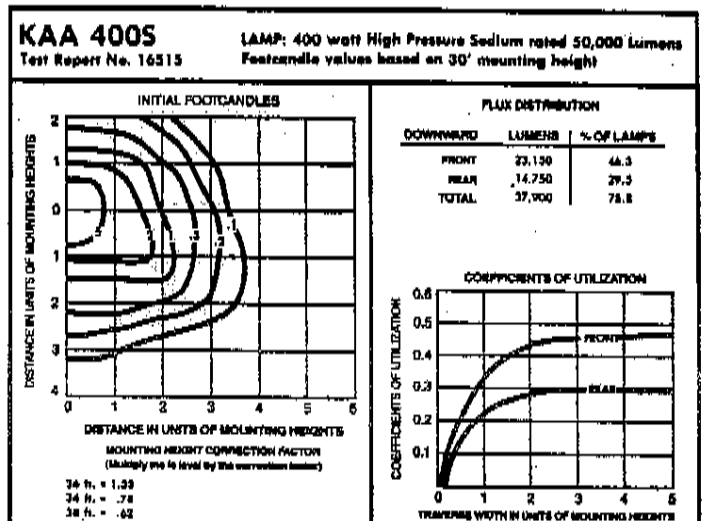
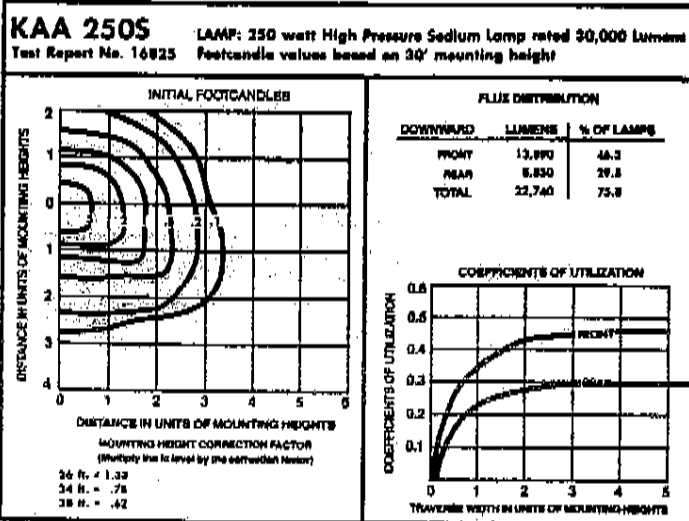
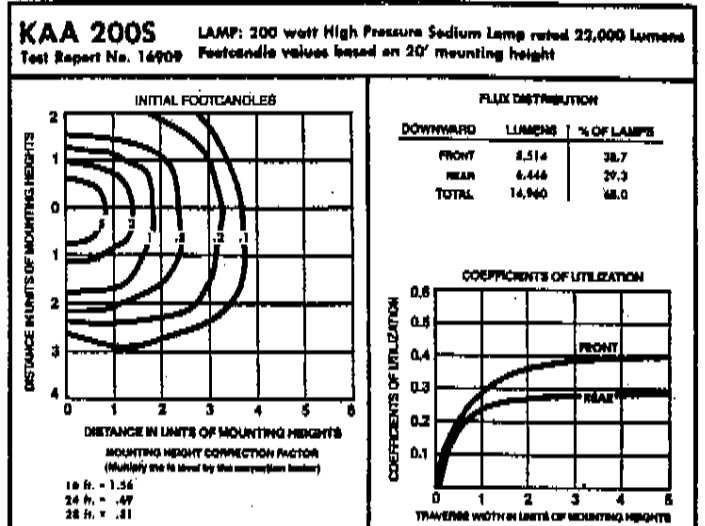
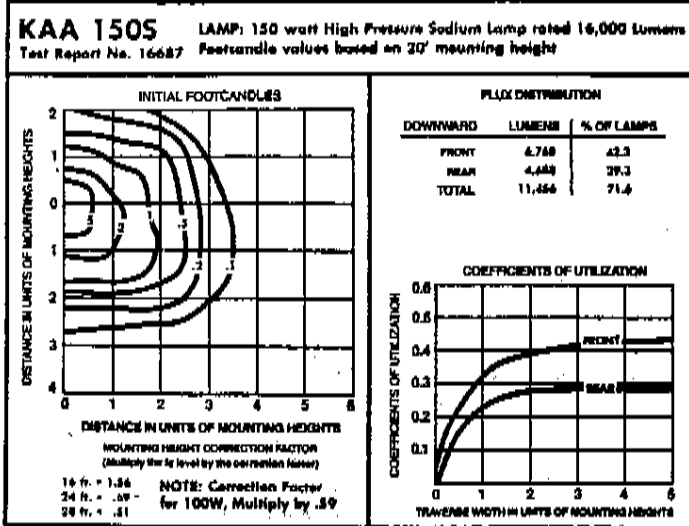
LOCATION _____

APPROVAL STAMP _____



PHOTOMETRIC DATA

The charts below provide the most useful data from photometric tests of specific lamp/luminaire combinations. For complete results of any combination shown, or other requirements, contact your LITHONIA/Hi-TEK representative.



ELECTRICAL CHARACTERISTICS

WATTAGE/BALLAST	PRIMARY VOLTAGE	LINE CURRENT (AMPS) START/OPER.	PRIMARY DROPOUT VOLTAGE	INPUT WATT*	POWER FACTOR (%)	REGULATION LINE V - LAMP LUMENS
150 MX-MPF	120	2.00/1.65	96	188	90+	± 5% = ± 12%
	208	1.15/.95	144			
	240	1.00/.83	192			
	277	.85/.73	222			
300 Auto-Regulator	120	1.55/2.22	90	245	90+	± 10% = ± 10%
	208	.89/1.28	134			
	240	.78/1.11	180			
	277	.67/.94	208			
250 Auto-Regulator	120	1.80/2.75	90	300	90+	± 10% = ± 10%
	208	1.00/1.40	154			
	240	.90/1.38	180			
	277	.76/1.20	208			
400 Auto-Regulator	120	2.83/4.30	90	448	90+	± 10% = ± 10%
	208	1.36/2.44	154			
	240	1.26/2.15	180			
	277	1.18/1.84	208			
1000 Auto-Regulator	120	8.00/9.30	90	1090	90+	± 10% = ± 10%
	208	4.40/5.30	154			
	240	4.00/4.60	180			
	277	3.50/4.00	208			
		480	2.00/2.30	340		

LITHONIA HI-TEK
INDUSTRIAL/OUTDOOR LIGHTING
A DIVISION OF LITHONIA LIGHTING
RD. BOX 72 • CRAWFORDSVILLE, INDIANA 47933
317/362-1837 • TELEX 272392 (HI-CRAW)