

















































## STIX Submission for Arrows and harpoons; combinations with arrows; fishtails

















I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
X	E233	←		slarr	left arrow	ShortLeftArrow
X	F52A	↑		suarr	up arrow	ShortUpArrow
X	E232	→		srarr	right arrow	ShortRightArrow
X	F52B	↓		sdarr	down arrow	ShortDownArrow
I	E216	↕	R	duarr	down arrow, up arrow	\downuparrows; DownArrowUpArrow
I	EA4C	⇒⇒⇒	R	rarr3	three right arrows	\rightthreearrows; rarr3
I	E242	⇐	R	loarr	left open arrow	\leftarrowtriangle
I	E241	⇒	R	roarr	right open arrow	\rightarrowtriangle
I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	E243	↔	R	hoarr	horizontal open arrow	\leftrightarrowtria*
X	E201	⇐	R	xlarr	left arrow	\longleftarrow; \larr; LongLeftArrow
X	E205	⇒	R	xrarr	right arrow	\longrightarrow; \rarr; \longrightarrow; LongRightArrow
X	E200	⇐⇐	R	xlArr	left double arrow	\Longleftarrow; lArr; \Longleftarrow; DoubleLongLeftArrow
I	E365	⇔	R	iff	if and only if	\iff; iff; \iff
X	E203	↔	R	xharr	left and right arr	\longlefttrightarrow; hArr; \longlefttrightarrow; LongLeftRightArrow
X	E204	⇒⇒	R	xrArr	right double arr	\Longrightarrow; rArr; \Longrightarrow; DoubleLongRightArrow
X	E202	⇔	R	xhArr	left and right double arr	\Longlefttrightarrow; xhArr; \Longlefttrightarrow; DoubleLongLeftRightArrow





I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	E212	↔	R	Map	twoheaded mapsto	\twoheadmapsto
X	E82D	←	R	xmapfrom	maps to, leftward	\longmapsfrom
X	E208	→	R	xmap	maps to, rightward	\longmapsto; \longmapsto
I	E834	⇐	R	Mapfrom	maps to, double arrow leftward	\Mapsfrom
I	E835	⇒	R	Mapto	maps to, double arrow right	\Mapsto
X	E82E	⇐	R	xMapfrom	maps to, double arrow leftward	\Longmapsfrom
X	E830	⇒	R	xMapto	maps to, double arrow right	\Longmapsto
I	EA29	↓	R	darrln	down arrow with bar	\downarrowbarred; darrln
I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	EA5C	↑	R	uarrln	up arrow with bar	\uparrowbarred; uparrln
I	EC08	⇓	R	uAarr	up triple arrow	\Uparrow
I	EC09	⇓	R	dAarr	down triple arrow	\Ddownarrow
I	E402	↔	R	lbarr	left broken arrow	\leftbkarrow
I	E80A	↔	R	rbarr	right broken arrow	\rightbkarrow
I	E206	↔	R	lBarr	left doubly broken arrow	\leftdbkarrow
I	E207	↔	R	rBarr	right doubly broken arrow	\rightdbkarrow
I	E209	↔	R	RBarr	twoheaded right broken arrow	\drbkarrow

















I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E238		R	DDotrahd	right arrow with dotted stem \rightdotarrow
I	F503		R	uarrb	up arrow to bar \baruparrow; UpArrowBar
I	F504		R	darrb	down arrow to bar \downarrowbar; DownArrowBar
I	E239		R	Rarrtl	right two-headed arrow with tail, bijective mapping \twoheadrightarrowtail
I	E23C		R	latail	left arrow-tail \lefttail
I	E23A		R	ratail	right arrow-tail \righttail
I	E23D		R	lAtail	left double arrow-tail \leftdbltail
I	E23B		R	rAtail	right double arrow-tail \rightdbltail
I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E222		R	larrfs	left arrow, filled square \diamondleftarrow
I	E223		R	rarrfs	right arrow, filled square \rightarrowdiamond
I	E220		R	larrbfs	left arrow-bar, filled square \diamondleftarrowbar
I	E221		R	rarrbfs	right arrow-bar, filled square \barrightarrowdiamond
I	EA45		R	nwsesarr	NW-SE arrow \nwsearrow; nwarr2
I	EA44		R	neswsarr	NE-SW arrow \neswarrow; nearr2
I	E20C		R	nwarhk	NW arrow-hooked \hknwarrow
I	E20D		R	nearhk	NE arrow-hooked \hknearrow

I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	E20B		R	searhk	SE arrow-hooked	<code>\hksearrow</code>
I	E20A		R	swarhk	SW arrow-hooked	<code>\hkswarrow</code>
I	E211		R	nwnear	NW & NE arrows	<code>\tona</code>
I	E20E		R	nesear	NE & SE arrows	<code>\toea</code>
I	E20F		R	seswar	SE & SW arrows	<code>\tosa</code>
I	E210		R	swnwar	SW & NW arrows	<code>\towa</code>
I	ED00			rdiofdi	rising diagonal over falling diagonal	<code>\rdiagovfdiag</code>
I	ED01			fdiordi	falling diagonal over rising diagonal	<code>\fdiagovrdiag</code>
I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	ED02			seonearr	SE arrow over NE arrow	<code>\seovnearrow</code>
I	ED03			neosearr	NE arrow over SE arrow	<code>\neovsearrow</code>
I	ED04			fdonearr	falling diagonal over NE arrow	<code>\fdiagovnearrow</code>
I	ED05			rdosearr	rising diagonal over SE arrow	<code>\rdiagovsearrow</code>
I	ED06			neonwarr	NE arrow over NW arrow	<code>\neovnwarrow</code>
I	ED07			nwonearr	NW arrow over NE arrow	<code>\nwovnearrow</code>
I	E21C		R	rarrc	right arrow-curved	<code>\rightcurvedarrow</code>
I	E21D		R	nrarrc	not right arrow-curved	<code>\nrightcurvedarrow</code>

I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E21B		R	nrarrow	not right arrow-wavy \nrightwavyarrow
I	E21A		R	ldca	left down curved arrow \leftdowncurvedarrow
I	E219		R	rdca	right down curved arrow \rightdowncurvedarrow
I	E23E		R	cudarrl	left, curved, down arrow \cwhalfcirclearrow
I	E23F		R	cudarr	right, curved, down arrow \acwhalfcirclearrow
I	EA3E		R		left undercurving arrow \cwundercurvearrow; larrcurb
I	EA4D		R		right undercurving arrow \acwundercurvearrow; rarrcurb
I	E249		R	curarrm	curved right arrow with minus \curvearrowrightminus
I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E24A		R	cularrp	curved left arrow with plus \curvearrowleftplus
I	E5A3		R	olarr	anticlockwise closed circle arrow \acwcirclearrow; olarr; larrcur
I	E5A4		R	orarr	clockwise closed circle arrow \cwcirclearrow; orarr; rarrcur
I	EA07		R	arrllsr	left arrow over short right arrow \leftarrowshortrightarr*; arrllsr
I	E5A0		R	arrlrsl	right arrow over short left arrow \rightarrowshortleftarr*; arrlrsl
I	E5A1		R	arrsrll	short right arrow over left arrow \shortrightarrowleftarr*
I	E21E		R	rarrpl	right arrow, plus \rightarrowplus
I	E21F		R	larrpl	left arrow, plus \leftarrowplus

I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E5A2		R	rarrx	right arrow through x \rightarrowx
I	E240		R	harrcir	left and right arrow with a circle \leftrightrightarrowcircle
I	E237		R	Uarrocir	up two-headed arrow above circle \twoheaduparrowcircle
I	E248			angzarr	right angle with down zig-zag arrow \rangledownzigzagarrow
I	E229		R	lurdshar	left-up-right-down harpoon \leftrightharpoonupdown
I	E228		R	ldrushar	left-down-right-up harpoon \leftrightharpoondownup
I	ED08		R	urdlshar	up-right-down-left harpoon \updownharpoonrightleft
I	ED09		R	uldrshar	up-left-down-right harpoon \updownharpoonleftright
I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	F505		R	lurushar	left-up-right-up harpoon \leftrightharpoonupup; LeftRightVector
I	F510		R	urdrshar	up-right-down-right harpoon \updownharpoonrightright; RightUpDownVector
I	F50B		R	ldrdshar	left-down-right-down harpoon \leftrightharpoondowndo*; DownLeftRightVector
I	F515		R	uldlshar	up-left-down-left harpoon \updownharpoonleftleft; LeftUpDownVector
I	F507		R	luharb	left-up harpoon to bar \barleftharpoonup; LeftVectorBar
I	F508		R	ruharb	right-up harpoon to bar \rightharpoonupbar; RightVectorBar
I	F511		R	urharb	up-right harpoon to bar \barupharpoonright; RightUpVectorBar
I	F512		R	drharb	down-right harpoon to bar \downharpoonrightbar; RightDownVectorBar

I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	F50C		R	ldharb	left-down harpoon to bar <code>\barleftharpoondown</code> ; <code>DownLeftVectorBar</code>
I	F50D		R	rdharb	right-down harpoon to bar <code>\barrightharpoondownbar</code> ; <code>DownRightVectorBar</code>
I	F516		R	ulharb	up-left harpoon to bar <code>\barupharpoonleft</code> ; <code>LeftUpVectorBar</code>
I	F517		R	dlharb	down-left harpoon to bar <code>\bardownharpoonleftbar</code> ; <code>LeftDownVectorBar</code>
I	F509		R	bluhar	left-up harpoon from bar <code>\leftharpoonupbar</code> ; <code>LeftTeeVector</code>
I	F50A		R	bruhar	right-up harpoon from bar <code>\barrrightharpoonup</code> ; <code>RightTeeVector</code>
I	F513		R	burhar	up-right harpoon from bar <code>\upharpoonrightbar</code> ; <code>RightUpTeeVector</code>
I	F514		R	bdrhar	down-right harpoon from bar <code>\bartdownharpoonright</code> ; <code>RightDownTeeVector</code>
I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	F50E		R	bldhar	left-down harpoon from bar <code>\leftharpoondownbar</code> ; <code>DownLeftTeeVector</code>
I	F50F		R	brdhar	right-down harpoon from bar <code>\barrrightharpoondown</code> ; <code>DownRightTeeVector</code>
I	F518		R	bulhar	up-left harpoon from bar <code>\upharpoonleftbar</code> ; <code>LeftUpTeeVector</code>
I	F519		R	bdlhar	down-left harpoon from bar <code>\bartdownharpoonleft</code> ; <code>LeftDownTeeVector</code>
I	E225		R	lHar	left harpoon-up over left harpoon-down <code>\leftharpoonsupdown</code>
I	E226		R	uHar	up harpoon-left, up harpoon-right <code>\upharpoonsleftright</code>
I	E224		R	rHar	right harpoon-up over right harpoon-down <code>\rightharpoonsupdown</code>
I	E227		R	dHar	down harpoon-left, down harpoon-right <code>\downharpoonsleftright</code>

I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E22B		R	luruhar	left harpoon-up over right harpoon-up <code>\leftrightharpoons</code>
I	E22C		R	ldrdhar	left harpoon-down over right harpoon-down <code>\leftrightharpoonsdown</code>
I	E22A		R	ruluhar	right harpoon-up over left harpoon-up <code>\rightleftharpoons</code>
I	E22D		R	rdldhar	right harpoon-down over left harpoon-down <code>\rightleftharpoonsdown</code>
I	E22E		R	lharul	left harpoon-up over long dash <code>\leftharpoonupdash</code>
I	E231		R	llhard	left harpoon-down below long dash <code>\dashleftharpoontdown</code>
I	E230		R	rharul	right harpoon-up over long dash <code>\rightharpoonupdash</code>
I	E22F		R	lrhard	right harpoon-down below long dash <code>\dashrightharpoontdown</code>
I/X	UniqID	Glyph	Class	STIX Name	Description (top)    Synonyms (bottom)
I	E218		R	udhar	up harp, down harp <code>\updownharpoonsleftig*</code> ; <code>UpEquilibrium</code>
I	E217		R	duhar	down harp, up harp <code>\downupharpoonsleftig*</code> ; <code>ReverseUpEquilibrium</code>
I	F524		R	rimplify	right double arrow with rounded head (looks like thin superset) <code>\rightimply</code> ; <code>RoundImplies</code>
I	E236		R	erarr	equal, right arrow below <code>\equalrightarrow</code>
I	E234		R	simrarr	similar, right arrow below <code>\similarrightarrow</code>
I	E235		R	rarrap	approximate, right arrow above <code>\rightarrowapprox</code>
I	E24E		R	larrsim	left arrow, similar <code>\leftarrowsimilar</code>
I	E24D		R	rarrsim	right arrow, similar <code>\rightarrowsimilar</code>

I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	E35E	↖	R	ltlarr	less than, left arrow	\ltlarr
I	EA64	↖	R		left arrow through less than	\leftarrowless; tranless
I	E35F	↗	R	gtrarr	greater than, right arrow	\gtrarr
I	E33F	↗	R	subrarr	subset, right arrow	\subrarr
I	EA59	↗	R		left arrow through subset	transub
I	E340	↖	R	suplarr	superset, left arrow	\suplarr
I	E214	⤿	R	lfisht	left fish tail	\leftfishtail; nulst
I	E215	⤿	R	rfisht	right fish tail	\rightfishtail
I/X	UniqID	Glyph	Class	STIX Name	Description (top)	Synonyms (bottom)
I	E24B	⤿	R	ufisht	up fish tail	\upfishtail
I	E24C	⤿	R	dfisht	down fish tail	\downfishtail

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*Submission 1998/12/01*