



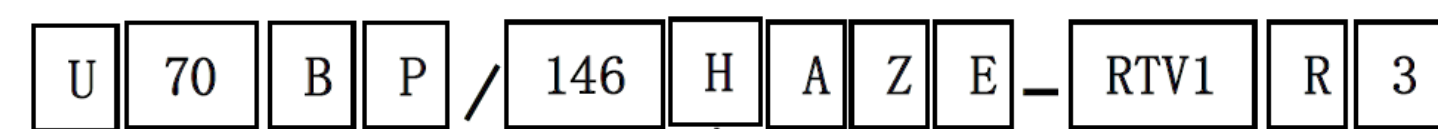
ANSI/NEMA C29.2 B-2013 Table 2 & CSA C411.1-10 Table 2 & Table 3

SYGG Catalog	Sediver Catalog	ANSI	CSA	Connection type	Dimensional Values			Mechanical Values			Electrical Values					Radio-influence Voltage	
					Leakage distance, inches (mm)	Spacing, inches (mm)	Shell diameter, inches (mm)	M&E strength, pounds (kN)	Impact strength, inch-pounds (N-m)	Tension proof, pounds (kN)	Low-frequency dry flashover, kV	Low-frequency wet flashover, kV	Critical impulse flashover, positive, kV	Critical impulse flashover, negative, kV	Low-frequency puncture voltage, kV	Low-frequency test voltage, kV	Maximum RIV at 1,000 kHz, uV
U70B/146A	N70/146	52-3-L	CS-3	B&S Type B	11-1/2 (292)	5-3/4 (146)	10-3/4 (273)	15000(67)	55 (6.0)	7500(33.5)	80	50	125	130	110	10	50
U100B/146A	N100/146	52-3-H		B&S Type B	11-1/2 (292)	5-3/4 (146)	10-3/4 (273)	20000(89)	55 (6.0)	10000(44.5)	80	50	125	130	110	10	50
U70C/146A		52-4-L		Clevis	11-1/2 (292)	5-3/4 (146)	10-3/4 (273)	15000(67)	55 (6.0)	7500(33.5)	80	50	125	130	110	10	50
U100C/146A	CT100/146	52-4-H		Clevis	11-1/2 (292)	5-3/4 (146)	10-3/4 (273)	20000(89)	55 (6.0)	10000(44.5)	80	50	125	130	110	10	50
U120B/146A	N12/146	52-5-L	CS-5	B&S Type J	11(279)	5-3/4 (146)	10-3/4 (273)	25000(111)	60 (7.0)	12500(55.5)	80	50	125	130	110	10	50
U140B/146A	N14/146	52-5H		B&S Type J	11(279)	5-3/4 (146)	10-3/4 (273)	30000(133)	60 (7.0)	15000(66.5)	80	50	125	130	110	10	50
U120C/146A	CT12/146	52-6-L	CS-6	Clevis	11(279)	5-3/4 (146)	10-3/4 (273)	25000(111)	60 (7.0)	12500(55.5)	80	50	125	130	110	10	50
U140C/146A	CT14/146	52-6-H		Clevis	11(279)	5-3/4 (146)	10-3/4 (273)	30000(133)	60 (7.0)	15000(66.5)	80	50	125	130	110	10	50
U160B/146A	N160/146	52-8-L	CS-8	B&S Type K	11(279) CSA: 318	5-3/4 (146)	11-3/4 (298)	36000(160)	90 (10)	18000(80)	80	50	125	130	110	10	50
U160B/170A	N16/171		CS-8A	Type K	318	170	298	160	10	80	80	45	125	130	110	10	50
U180B/146A	N180/146	52-9-H		B&S Type K	11(279)	5-3/4 (146)	11-3/4 (298)	40000(178)	90 (10)	20000(89)	80	50	125	130	110	10	50
U160C/146A		52-10-L		Clevis	11(279)	6-1/2 (165)	11-3/4 (298)	36000(160)	90 (10)	18000(80)	80	50	125	130	110	10	50
U180C/146A		52-10-H		Clevis	11(279)	6-1/2 (165)	11-3/4 (298)	40000(178)	90 (10)	20000(89)	80	50	125	130	110	10	50
U230B/156A	N21/156	52-11	CS-11	B&S Type K	15(381)	6-1/8 (155.5) CSA: 156	12-1/4 (311)	50000(222)	90 (10)	25000(111)	80	50	140	140	125	10	50
U230B/171A	N21/171		CS-11A	Type K	381	170	311	220	10	112	80	45	140	140	125	10	50
U230C/156A		52-12		Clevis	15(381)	7(178)	12-1/4 (311)	50000(222)	90 (10)	25000(111)	80	50	140	140	125	10	50
U300B/195CS	F300/195		CS-13	IEC 24	370	195	320	300	10	150	95	50	145	150	140	10	50
U420B/205CS	F400/205		CS-14	IEC 28	525	205	360	400	10	200	100	50	150	160	140	10	50

CSA C411.1-10 Table 2 & Table 3

SYGG Catalog	Sediver Catalog	CSA type designation	Maximum nominal diameter, D, mm	Nominal spacing, S, mm	Minimum nominal creepage distance, mm	Electromechanical failing load, kN	Mechanical tension proof load, kN	Mechanical impact strength, N-m	Connecting hardware type	Critical lightning impulse flashover voltage		Power frequency flashover voltage		Power frequency puncture voltage, kV rms	RIV, maximum		RIV test voltage
										+ kV	- kV	Dry, kV rms	Wet, kV rms		1 Mhz, uV rms	50 or 60 Hz, kV rms	
U45C-140CS		CS-1	165	140	178	45	22	5	Clevis	100	100	60	25	80	50	7.5	
U70C-146CS		CS-2	203	146	210	70	34	5.5	Clevis	115	115	65	30	90	50	7.5	
U70B-146CS	N70/146	CS-3	273	146	292	70	34	6	Ball and socket	125	130	80	45	110	50	10.0	
U70C-146CS		CS-4	273	146	292	70	34	6	Clevis	125	130	80	45	110	50	10.0	
U120B-146CS	N12/146	CS-5	273	146	279	120	56	7	Ball and socket	125	130	80	45	110	50	10.0	
U120C-146CS	CT12/146	CS-6	273	146	279	120	56	7	Clevis	125	130	80	45	110	50	10.0	
U160B-146CS	N160/146	CS-8	298	146	318	160	80	10	Ball and socket	125	130	80	45	110	50	10.0	
U160B-170CS	N16/171	CS-8A	298	170	318	160	80	10	Ball and socket	125	130	80	45	110	50	10.0	
U45C-159CS		CS-9A	114	159	171	45	22	5	Clevis	100	90	60	25	80	50	7.5	
U45B-159CS		CS-9B	133	159	171	45	22	5	Clevis	100	90	60	25	80	50	7.5	
U160C-165CS		CS-10	298	165	279	160	80	10	Clevis	125	130	80	45	110	50	10.0	
U220B-156CS	N21/156	CS-11	311	156	381	220	112	10	Ball and socket	140	140	80	45	125	50	10.0	
U230B-170CS	N21/171	CS-11A	311	170	381	220	112	10	Ball and socket	140	140	80	45	125	50	10.0	
U220C-178CS		CS-12	311	178	381	220	112	10	Clevis	140	140	80	45	125	50	10.0	
U300B-195CS	F300/195	CS-13	320	195	370	300	150	10	Ball and socket	145	150	95	50	140	50	10.0	
U420B-205CS	F400/205	CS-14	360	205	525	400	200	10	Ball and socket	150	160	100	50	140	50	10.0	
U550B-240CS		CS-15	380	240	600	530	265	10	Ball and socket	160	170	105	60	140	50	10.0	

The SYGG whole selection :



- Suspension Insulator
- Mechanical Failing Load
- Coupling (B: Ball & socket; C: Clevis)
- Creepage Category (P: Large; without means regular)
- Spacing (unit: mm)
- Structure (H: Ball Jar; M: Open Profile; HDC: UHVDC Profile; Without means standard profile)
- Standards (A: ANSI; B: BSEN; CS: CSA; without means IEC)
- Zinc Sleeve
- Y: Reinforced Galvanization)
- Special Galvanization (E: Extra Galvanization;
- Coating (RTV: full coating; RTV1: bottom surface coating)
- Coating Color (R: red; W: white; G: Gray)
- Coating Thickness (Unit: 0.1mm)