



"Standoff" and "column" insulators, used as insulating supports for active lessees, provide excellent electrical insulation capacity. They can be used as support of electrical equipment offering high mechanical strength values, as well as a spacer and/or stiffening element in a system consisting of lessee bars (copper or aluminum). Different heights, different widths, and different sizes of threaded inserts allow you to select the most appropriate product for the specific installation.

The **TEKNOMEGA** range offers two product types, both with high electrical insulation and mechanical resistance characteristics, obtained using different production processes and materials.

**- Ω COMPREX: RED INSULATORS and SPACING COLUMNS**

made of polyester reinforced with fiberglass, molded by compression.

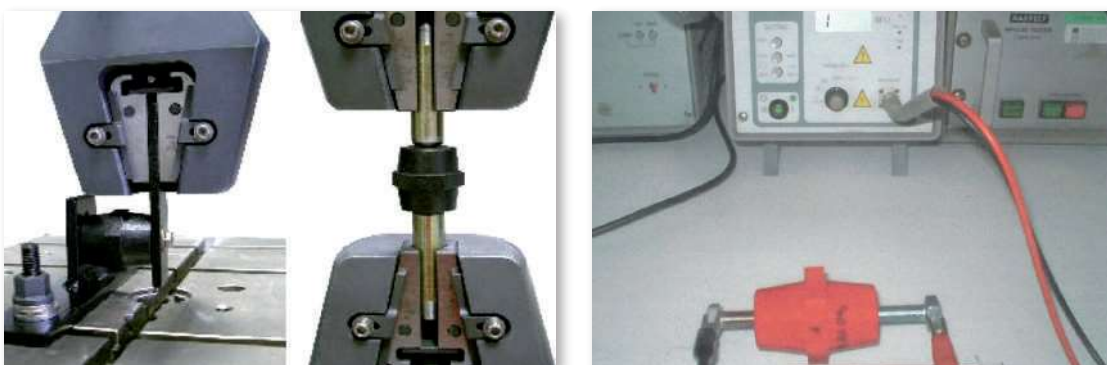
**- Ω ISO: BLACK INSULATORS and SPACING COLUMNS**

made of polyamide reinforced with fiberglass, molded by injection.

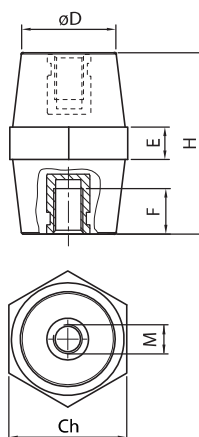
**BOTH** ranges of **TEKNOMEGA** INSULATOR have passed severe TESTS to check their mechanical and electrical resistance.

The values obtained during the tests are indicated in the relevant technical tables.

**The tests were carried out in compliance with standards EN 60664-1 and EN 61439-1.**



# Ω COMP RHEX - Insulators in polyester



## TECHNICAL CHARACTERISTICS

### Insulation:

**Material:** Thermosetting Polyester  
Reinforced with 20% fiberglass

**Color:** Red RAL 3031

**Self-extinguishing:** UL 94-V0

### Threaded inserts:

Galvanized steel

### Finished product:

Rated voltage: 1000 V AC / 1500 V DC

Working temperature: -40 °C ÷ +130 °C

R.T. = Tensile strength

R.C. = Compressive strength

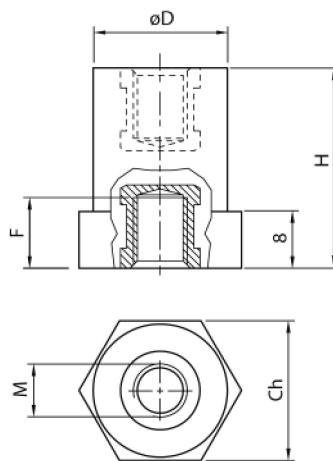
R.F. = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	E (mm)	M	F (mm)	(Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
CPH2000	CPH 16M4	50	0,007	16	15	●	12	4	M4	5	3	1,5	15	1
CPH2005	CPH 20M4	25	0,014	20	19	●	16	5	M4	6	3	2	20	1,5
CPH2007	CPH 20M5	25	0,014						M5	6	6	2	20	1,5
CPH2010	CPH 20M6	25	0,012						M6	6	8	2,4	20	2,4
CPH2015	CPH 25M5	20	0,019	25	22	●	18	6	M5	7	6	2,4	29	2,2
CPH2020	CPH 25M6	20	0,022						M6	7	10	3,4	29	2,2
CPH2025	CPH 30M6	10	0,064	30	30	●	25	7	M6	10	10	5,8	59	4,6
CPH2030	CPH 30M8	10	0,062						M8	10	25	5,8	59	3,9
CPH2035	CPH 35M6	10	0,083	35	32	●	28	10	M6	12	10	7,1	90	4
CPH2040	CPH 35M8	10	0,081						M8	12	25	7,1	90	5,1
CPH2045	CPH 35M10	10	0,077						M10	12	50	7,1	90	4,8
CPH2046	CPH 35M8W	10	0,109	41	●	35	10	10	M8	12	25	7,9	130	6,7
CPH2048	CPH 35M10W	10	0,108						M10	12	50	7,9	130	6,7
CPH2050	CPH 40M6	10	0,126	40	41	●	34	12	M6	12	10	9	120	5
CPH2055	CPH 40M8	10	0,127						M8	15	25	9	120	5
CPH2060	CPH 40M10	10	0,122						M10	15	50	8	120	5
CPH2065	CPH 45M6	10	0,173	45	46	●	39	13	M6	12	10	9	140	5,4
CPH2070	CPH 45M8	10	0,166						M8	15	25	9	140	6,5
CPH2075	CPH 45M10	10	0,165						M10	15	50	11	140	6,5
CPH2080	CPH 50M6	10	0,178	50	46	●	37	10	M6	12	10	11	120	4,8
CPH2085	CPH 50M8	10	0,172						M8	15	25	11	120	5,5
CPH2090	CPH 50 M10	10	0,168						M10	15	50	11	120	5,5
CPH2093	CPH 50M12W	10	0,240	50	50	●	45	15	M12	20	85	12,5	160	7,2
CPH2095	CPH 60M8	4	0,330	60	60	●	49	15	M8	15	25	14	180	7,5
CPH2100	CPH 60M10	4	0,330						M10	20	50	14	180	7,5
CPH2102	CPH 65M10	10	0,170	65	41	●	32	12	M10	20	50	15	120	10
CPH2101	CPH 70M10	4	0,409	70	60	●	52	14	M10	20	50	15	170	8
CPH2103	CPH 70M12	4	0,400						M12	20	85	18	170	8
CPH2104	CPH 75M10	10	0,267	75	50	●	38	16	M10	20	50	18	120	13
CPH2105	CPH 75M12	10	0,299						M12	20	85	14	120	6,5
CPH2112	CPH 80M12	3	0,485	80	65	●	52	16	M12	20	85	18	> 200	10
CPH2115	CPH 100M12	2	0,535	100	65	●	52	18	M12	25	85	20	> 200	9
CPH2117	CPH 100M16	2	0,520						M16	25	200	20	> 200	9

Threaded studs for insulators cf. page 62

Type: ● = 6 sides

\*Recommended torque values for screws of strength class 8.8



## TECHNICAL CHARACTERISTICS

### Insulation:

**Material:** Thermosetting Polyester  
Reinforced with 20% fiberglass

**Color:** Red RAL 3031

**Self-extinguishing:** UL 94-V0

### Threaded inserts:

Galvanized steel

### Finished product:

















Rated voltage: 1000 V AC / 1500 V DC

Working temperature:  $-40^{\circ}\text{C} \div +130^{\circ}\text{C}$

R.T. = Tensile strength

R.C. = Compressive strength

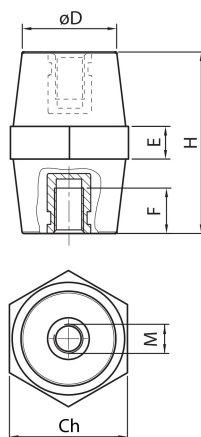
R.F. = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	M	F (mm)	 (Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
CPH2510	CLH 16M5-20	25	0,016	16	21		20	M5	4	6	2	20	1,2
CPH2515	CLH 16M6-20	25	0,016					M6	4	6	2	20	1,2
CPH2520	CLH 20M5-20	25	0,019	20	21		20	M5	6	6	2,8	22	1,7
CPH2525	CLH 20M6-20	25	0,018					M6	6	8	2,8	22	1,7
CPH2530	CLH 25M5-20	20	0,022	25	21		20	M5	7	6	3	22	2
CPH2535	CLH 25M6-20	20	0,022					M6	7	8	3	22	2
CPH2540	CLH 25M8-20	20	0,021	30	21		20	M8	8	25	3	22	2
CPH2545	CLH 30M6-20	20	0,026					M6	8	10	3,4	25	2,2
CPH2550	CLH 30M8-20	20	0,025	35	21		20	M8	10	25	3,4	25	2,2
CPH2555	CLH 35M6-20	20	0,031					M6	8	10	3,4	25	1,5
CPH2560	CLH 35M8-20	20	0,030	40	21		20	M8	10	25	3,4	25	1,5
CPH2565	CLH 40M6-20	10	0,034					M6	10	10	3,7	23	1,3
CPH2570	CLH 40M8-20	10	0,033	45	21		20	M8	10	25	3,7	23	1,3
CPH2575	CLH 45M6-20	10	0,037					M6	10	10	3,7	23	1,2
CPH2580	CLH 45M8-20	10	0,036	50	21		20	M8	10	25	3,7	23	1,2
CPH2585	CLH 50M6-20	10	0,040					M6	10	10	3,7	23	1
CPH2590	CLH 50M8-20	10	0,039	30	30		30	M8	10	25	3,7	23	1
CPH2610	CLH 30M8-30	10	0,050					M8	10	25	6	48	4,5
CPH2615	CLH 35M8-30	10	0,058	40	30		30	M8	10	25	6	50	4
CPH2620	CLH 40M8-30	10	0,069					M8	10	25	6,5	52	3,5
CPH2625	CLH 45M8-30	10	0,101	50	30		30	M8	16	25	7	55	2,8
CPH2630	CLH 50M6-30	10	0,110					M6	16	10	7	55	2
CPH2635	CLH 50M8-30	10	0,108	55	30		30	M8	16	25	8	55	2,2
CPH2640	CLH 55M6-30	10	0,117					M6	16	10	8	50	1,8
CPH2645	CLH 55M8-30	10	0,115	65	30		30	M8	16	25	8	50	2
CPH2650	CLH 65M6-30	10	0,131					M6	16	10	8	47	1,7
CPH2655	CLH 65M8-30	10	0,120	70	30		30	M8	16	25	7	47	1,7
CPH2660	CLH 70M6-30	10	0,138					M6	16	10	7	45	1,5
CPH2665	CLH 70M8-30	10	0,136	M8	16	25	7	45	1,5				

Threaded studs for insulators cf. page 62

Type:  = 6 sides

\*Recommended torque values for screws of strength class 8.8



### TECHNICAL CHARACTERISTICS

- Insulation:**
- Material:** Polyamide 6.6 reinforced with 35% fiberglass
- Color:** black
- Self-extinguishing:** UL 94-V0  
Halogen free
- Threaded inserts:**  
Galvanized steel
- Finished product:**  
Rated voltage: 1000 V AC/1500 V DC
- Working temperature:  $-40^{\circ}\text{C} \div +125^{\circ}\text{C}$

R.T. = Tensile strength

R.C. = Compressive strength

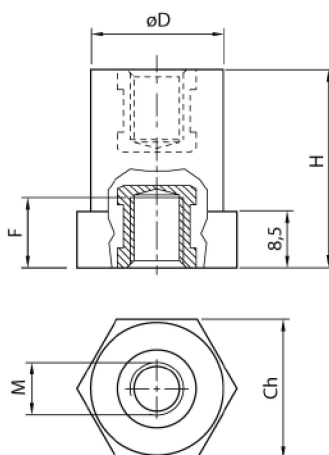
R.F. = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	E (mm)	M	F (mm)	$\curvearrowright$ (Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
ISO2000	ISO 15M4 UL	50	0,005	15	14	●	12	3	M4	4	3	1,5	15	1
ISO2005	ISO 20M4 UL	50	0,011						M4	4	3	2	20	1
ISO2007	ISO 20M5 UL	50	0,011	20	17	●	15	4	M5	5	6	2	20	1,5
ISO2010	ISO 20M6 UL	50	0,011						M6	5	8	2,5	20	2
ISO2015	ISO 25M5 UL	50	0,013	25	20	●	15	5	M5	5	6	4	25	2
ISO2020	ISO 25M6 UL	50	0,012	25	20		17	5	M6	5	10	4	25	2
ISO2025	ISO 30M6 UL	50	0,038						M6	9	10	8	75	5
ISO2030	ISO 30M8 UL	50	0,035	30	30	●	26	6	M8	9	25	8	75	5
ISO2035	ISO 35M6 UL	50	0,049						M6	11	10	9	65	5,7
ISO2040	ISO 35M8 UL	50	0,050		32	●	28	7	M8	9	25	9	65	5,7
ISO2045	ISO 35M10 UL	50	0,058	35					M10	11	50	9	65	5,7
ISO2046	ISO 35M8W UL	25	0,109		40	●	35	10	M8	11	25	11	110	6,5
ISO2048	ISO 35M10W UL	25	0,108						M10	11	50	11	110	6,5
ISO2050	ISO 40M6 UL	25	0,056						M6	11	10	13	75	5
ISO2055	ISO 40M8 UL	25	0,065	40	32	●	28	8	M8	11	25	13	75	5
ISO2060	ISO 40M10 UL	25	0,063						M10	11	50	13	75	5
ISO2061	ISO 40M8W UL	25	0,108		46	●	40	12	M8	11	25	15	120	6
ISO2063	ISO 40M10W UL	25	0,108						M10	11	50	15	120	6
ISO2065	ISO 45M6 UL	25	0,108						M6	15	10	16	90	6,5
ISO2070	ISO 45M8 UL	25	0,097		41	●	33	10	M8	15	25	16	90	6,5
ISO2075	ISO 45M10 UL	25	0,097	45					M10	15	50	18	90	7
ISO2076	ISO 45M8W UL	25	0,132		50	●	41	10	M8	15	25	20	140	8
ISO2078	ISO 45M10W UL	25	0,132						M10	15	50	20	140	8
ISO2080	ISO 50M6 UL	25	0,094						M6	15	10	15	100	4
ISO2085	ISO 50M8 UL	25	0,096		36	●	29	11	M8	15	25	16	100	4,5
ISO2090	ISO 50M10 UL	25	0,093	50					M10	15	50	18	100	6,5
ISO2091	ISO 50M10W UL	25	0,145		50	●	40	12	M10	15	50	20	130	7,5
ISO2093	ISO 50M12W UL	25	0,145						M12	15	85	20	130	8,5
ISO2094	ISO 55M10 UL	10	0,185	55	55	●	45	12	M10	15	50	22	150	10
ISO2095	ISO 60M8 UL	10	0,194		54	●	42	12	M8	15	25	22	150	9
ISO2100	ISO 60M10 UL	10	0,190						M10	15	50	22	150	9
ISO2101	ISO 70M10 UL	10	0,335	70	65	●	50	13	M10	15	50	22	180	9
ISO2103	ISO 70M12 UL	10	0,331						M12	25	85	25	180	12
ISO2105	ISO 75M12 UL	10	0,203	75	50	●	35	12	M12	25	85	20	120	7,5
ISO2110	ISO 75M16 UL	10	0,246						M16	25	200	20	120	7,5
ISO2112	ISO 80M12 UL	10	0,370	80	65	●	50	14	M12	25	85	25	180	12
ISO2115	ISO 100M12 UL	10	0,458						M12	25	85	30	200	10
ISO2117	ISO 100M16 UL	10	0,430	100	65	●	50	21	M16	25	200	30	200	10

Threaded studs for insulators cf. page 62

Type: ● = 6 sides ● = 8 sides

\*Recommended torque values for screws of strength class 8.8



file n° 300607

## TECHNICAL CHARACTERISTICS

### Insulation:

**Material:** Polyamide 6.6 reinforced with 35% fiberglass

**Color:** black

Halogen free

**Self-extinguishing:** UL 94-V0

**Threaded inserts:**

Galvanized steel

**Finished product:**


Rated voltage: 1000 V AC/1500 V DC

Working temperature:  $-40^{\circ}\text{C} \div +125^{\circ}\text{C}$

R.T. = Tensile strength

R.C. = Compressive strength

R.F. = Flexural strength

Code	Reference		Weight (kg)	H (mm)	Ch (mm)	Type	øD (mm)	M	F (mm)	$\text{⌘}$ (Nm)*	R.T. (kN)	R.C. (kN)	R.F. (kN)
ISO2120	CLN 16M4-20	50	0,014	16	21	●	20	M4	4	3	2	42	1
ISO2125	CLN 16M5-20	50	0,014					M5	5	6	3	42	1,5
ISO2130	CLN 16M6-20	50	0,014					M6	5	6	3,5	42	1,5
ISO2135	CLN 20M5-20	50	0,015	20		●		M5	5	6	4	45	2
ISO2140	CLN 20M6-20	50	0,015					M6	5	8	4,5	45	2,8
ISO2145	CLN 25M4-20	50	0,016	25		●		M4	4	3	3	47	1,5
ISO2150	CLN 25M5-20	50	0,017					M5	5	6	4	47	2
ISO2155	CLN 25M6-20	50	0,018					M6	5	8	5,5	47	3,5
ISO2160	CLN 25M8-20	50	0,018	30		●		M8	5	25	5,5	47	3,5
ISO2165	CLN 30M5-20	50	0,027					M5	9	6	7	50	3,7
ISO2170	CLN 30M6-20	50	0,026					M6	9	10	7	50	3,7
ISO2175	CLN 30M8-20	50	0,024	35		●		M8	9	25	7	50	3,7
ISO2180	CLN 35M5-20	50	0,030		M5		9	6	7	50	3,5		
ISO2185	CLN 35M6-20	50	0,029		M6		9	10	8	50	3,5		
ISO2190	CLN 35M8-20	50	0,026	40	●	M8	9	25	8	50	3,5		
ISO2195	CLN 40M5-20	50	0,030			M5	9	6	8	50	3		
ISO2200	CLN 40M6-20	50	0,030			M6	9	10	8	50	3		
ISO2205	CLN 40M8-20	50	0,028	45	●	M8	9	25	8	50	3		
ISO2210	CLN 45M5-20	25	0,033			M5	9	6	8	47	2,6		
ISO2215	CLN 45M6-20	25	0,031			M6	9	10	8	47	2,6		
ISO2220	CLN 45M8-20	25	0,030	50	●	M8	9	25	8	47	2,6		
ISO2225	CLN 50M5-20	25	0,032			M5	9	6	8	45	2,2		
ISO2230	CLN 50M6-20	25	0,034			M6	9	10	8	45	2,2		
ISO2235	CLN 50M8-20	25	0,033	30	●	M8	9	25	8	45	2,2		
ISO2240	CLN 30M6-30	50	0,039			30	●	M6	11	10	10	70	5
ISO2245	CLN 30M8-30	50	0,037					M8	9	25	12	80	5,5
ISO2250	CLN 35M6-30	50	0,041	35	●			M6	11	10	11	75	5
ISO2255	CLN 35M8-30	50	0,039			M8	11	25	14	85	5,5		
ISO2256	CLN 40M6-30	25	0,061	40	●	M6	11	10	11	75	4,5		
ISO2257	CLN 40M8-30	25	0,061			M8	11	25	14	85	4,8		
ISO2260	CLN 45M6-30	25	0,082	45	●	M6	15	10	12	90	4,2		
ISO2265	CLN 45M8-30	25	0,078			M8	15	25	16	90	4,2		
ISO2266	CLN 50M6-30	25	0,087	50	●	M6	15	10	12	80	3,8		
ISO2267	CLN 50M8-30	25	0,083			M8	15	25	16	80	3,8		
ISO2270	CLN 55M6-30	25	0,094	55	●	M6	15	10	11	75	3,5		
ISO2275	CLN 55M8-30	25	0,091			M8	15	25	13	75	3,5		
ISO2280	CLN 65M6-30	25	0,104	65	●	M6	15	10	9,5	70	3		
ISO2285	CLN 65M8-30	25	0,104			M8	15	25	9,5	70	3		
ISO2290	CLN 70M6-30	25	0,109	70	●	M6	15	10	9	65	2,8		
ISO2295	CLN 70M8-30	25	0,098			M8	15	25	9	65	2,8		

Threaded studs for insulators cf. page 62

Type: ● = 6 sides

\*Recommended torque values for screws of strength class 8.8

PRODUCTS CONFORMING TO REGULATIONS

