

# DC Link Chokes

## Product Selector



- Reduce AC input line harmonics
- Absorb voltage/current spikes
- Reduce AC ripple on DC bus
- Solve nuisance over-voltage tripping
- Reduce DC Bus transient over-voltage

## Economical. Versatile.

Our DC Link Chokes are an economical means of filtering the DC bus voltage in variable frequency drives (VFDs). Designed to be added to a VFD's internal bridge and bus, they help reduce AC input line current harmonic distortion while absorbing DC bus voltage spikes. They can be used individually, typically on the positive DC bus, or in pairs with one each on both the positive and negative bus.

Take advantage of maximizing the circuit inductance for power quality reasons without causing an AC input line voltage drop with DC Link Chokes from MTE.

# An economical and versatile solution to solving power quality problems.

The ability of our DC Link Chokes to be used across multiple applications is just one reason these chokes stand above the rest. With factory capabilities to customize mounting, inductance, current or ripple requirements, our DC Link Chokes will meet all of your needs.

**Solid copper** box lug type available on most sizes.

**Specially constructed** and epoxy impregnated for low noise.

**Series A** link chokes are also available in NEMA 1-2 or NEMA 3R enclosures upon request.

## DC Link Chokes



Performance Specifications	
Component Recognized	UL-508 (File #E180243)
Maximum Voltage	1000V DC
Ripple Frequency	300 Hz or 360 Hz
Ambient Temperature	40C
Ripple Current	10% peak-to-peak
Insulation System	Class B (130C)

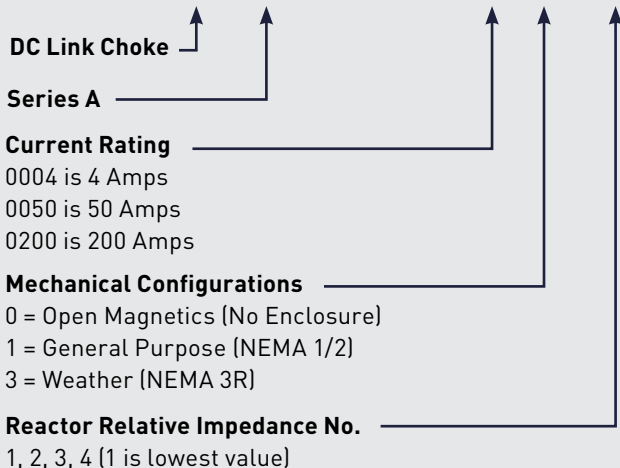
Final product specifications subject to change at anytime.

## Useful Applications

- AC PWM inverters/drives
- Variable frequency motor drives
- DC to AC inverters
- Electrical vehicle inverters

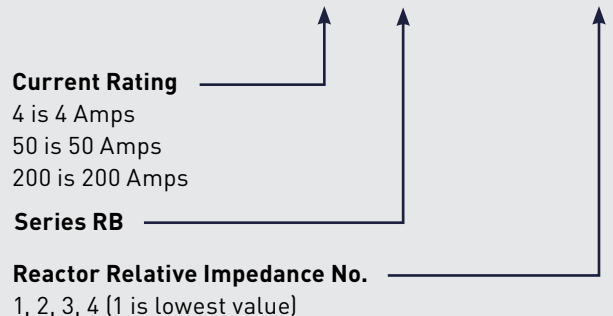
### Understanding the DC Link Choke Series A Part Number:

**DC A \_ \_ \_ X X**



### Understanding the DC Link Choke Series RB Part Number:

**\_ \_ \_ RB 00 X**



## 1000V 360Hz

DC Amps	Inductance mH	MTE Part Number	Ref Fig	DC Amps	Inductance mH	MTE Part Number	Ref Fig	DC Amps	Inductance mH	MTE Part Number	Ref Fig	DC Amps	Inductance mH	MTE Part Number	Ref Fig
1	35.00	1RB001	1	25	0.45	25RB001	1	80	0.75	80RB004	3	300	0.08	300RB001	3
1	60.00	1RB002	1	25	1.00	25RB002	2	80	1.25	DCA008005	3	300	0.135	300RB002	3
1	80.00	1RB003	1	25	1.275	DCA002504	2	92	0.20	DCA009201	3	300	0.32	300RB003	3
2	10.00	2RB001	1	25	1.75	DCA002503	2	92	0.60	DCA009202	3	450	0.055	450RB001	4
2	15.00	2RB002	1	25	4.00	DCA002505	2	92	1.00	DCA009203	3	450	0.11	450RB002	4
2	20.00	2RB003	1	32	0.85	DCA003201	2	110	0.25	110RB001	3	450	0.14	450RB003	4
2	50.00	DCA000204	1	32	1.62	DCA003202	2	110	0.30	DCA011002	3	450	0.25	450RB004	4
4	5.00	4RB001	1	32	2.68	DCA003203	2	110	0.45	DCA011003	3	500	0.043	500RB001	4
4	12.00	DCA000402	1	40	0.50	DCA004001	2	125	0.11	125RB001	3	500	0.09	500RB002	4
4	15.00	DCA000403	1	40	0.75	DCA004002	2	125	0.22	DCA012502	3	500	0.14	500RB003	4
4	25.00	DCA000404	2	40	1.00	DCA004003	2	125	0.50	125RB003	3	500	0.19	500RB004	4
9	2.00	9RB001	1	40	2.50	DCA004004	2	125	0.85	125RB004	3	600	0.04	600RB001	4
9	3.22	DCA000902	1	50	0.625	DCA005001	2	150	0.15	150RB001	3	600	0.11	600RB002	4
9	7.50	DCA000903	2	50	0.97	50RB002	2	150	0.22	DCA015002	3	600	0.18	600RB003	4
9	11.50	DCA000904	2	50	1.35	DCA005003	2	150	0.32	150RB003	3	700	0.044	700RB001	4
12	1.00	DCA001201	1	50	2.0	DCA005004	3	150	0.65	DCA015004	3	700	0.06	700RB002	4
12	2.10	DCA001202	2	62	0.35	DCA006201	3	200	0.12	200RB001	3	700	0.15	700RB003	4
12	4.00	DCA001203	2	62	0.61	DCA006202	3	200	0.21	DCA020002	3	850	0.036	850RB001	4
12	6.00	DCA001204	2	62	0.67	62RB003	3	200	0.40	200RB003	3	850	0.065	850RB002	4
18	0.65	DCA001801	1	62	1.20	62RB004	3	200	0.50	200RB004	3	850	0.11	850RB003	4
18	1.375	DCA001802	2	62	1.50	62RB005	3	240	0.09	240RB001	3	1000	0.02	1000RB001	4
18	2.75	DCA001803	2	80	0.31	80RB001	3	240	0.25	240RB002	3	1000	0.042	1000RB002	4
18	3.75	DCA001804	2	80	0.40	DCA008002	3	240	0.35	240RB003	3	1000	0.10	1000RB003	4
18	6.00	DCA001805	2	80	0.50	80RB003	3								

### OPEN MAGNETICS

FIGURE 1

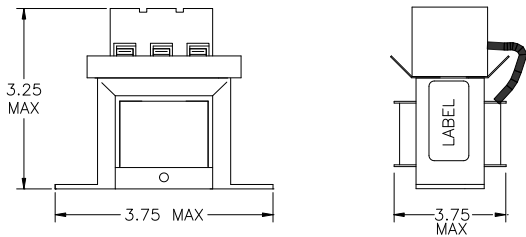


FIGURE 2

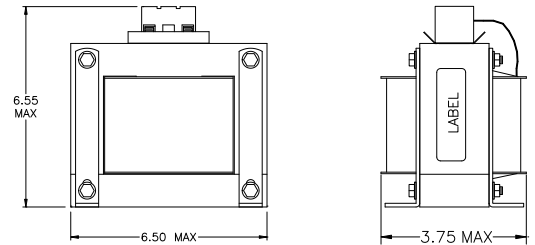


FIGURE 3

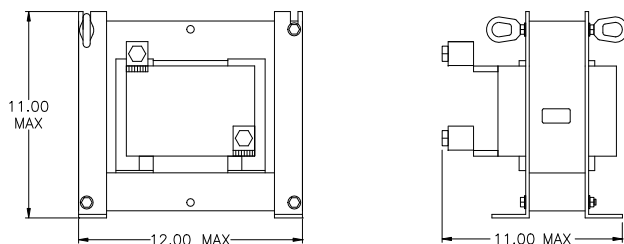
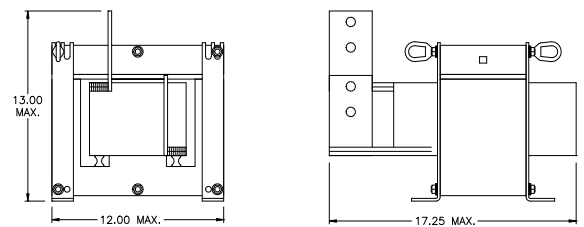


FIGURE 4



Note: Figure illustrations are for reference only. Actual hardware may differ. Please visit [mtecorp.com](http://mtecorp.com) for detailed information.

# The power quality experts.

MTE Corporation was formed in 1982 by bringing together Milwaukee Transformer Co., Transformer Design Inc., and Milwaukee Electronics Corp. – companies that specialized in different fields of magnetics and transformer designs and were long established in their respective fields. MTE vaulted into a leadership role in power quality with its unique AC reactor design and passive filter expertise. We continued to grow as a global leader with innovative harmonic filters and motor protection filters.

With the addition of TEAL Electronics in 2016, MTE brings a continuum of power quality solutions unmatched in the industry. Building on TEAL's reputation of high-efficiency transformers and durable power conditioning and distribution units for demanding applications, MTE is building the best power quality company by capitalizing on the individual strength of each while bringing a new dimension in management, marketing, and quality.

Our team of professional design engineers has well over 100 years of collective experience in the industry and is complemented by as much experience in operations. Our engineers utilize state-of-the-art platforms and best-in-class simulation/modeling tools so that new designs meet your needs and the latest compliance standards while improving your bottom line.

**At MTE, we know power quality because power quality is all we do.**

## Steel Partners Holding L.P.

MTE is an operating company within the Diversified Industrial Segment of Steel Partners Holdings L.P. (NYSE: SPLP). Steel Partners is a global diversified holding company with operations in diversified industrial products, energy, defense, supply chain management and logistics, banking, and youth sports.



**MTE Corporation**  
N83 W13330 Leon Road  
Menomonee Falls WI 53051  
(800) 455-4MTE • (262) 253-8200