

LVDT CORE SUBSTITUTION FOR OVER-STROKE

Application Note

CORES with IMPERIAL THREADS								
LVDT Model	LVDT Part Number	Range for 100% stroke	Core length for 100% Stroke	Core Part Number for 100% Stroke	Core length for 125% Stroke	Core Part Number for 125% Stroke	Core length for 150% Stroke	Core Part Number for 150% Stroke
MHR 005	02560405-000	±0.005	0.180	J05562059-000	0.180	J05562059-000	0.180	J05562059-000
MHR 010	02560406-000	±0.010	0.233	J05562060-000	0.233	J05562060-000	0.233	J05562060-000
MHR 025	02560407-000	±0.025	0.400	J05562061-000	0.400	J05562061-000	0.400	J05562061-000
MHR 050	02560408-000	±0.05	0.500	J05562062-000	0.500	J05562062-000	0.500	J05562062-000
MHR 100	02560409-000	±0.10	0.625	J05562063-000	0.625	J05562063-000	0.625	J05562063-000
MHR 250	02560410-000	±0.25	1.125	J05562064-000	1.125	J05562064-000	0.800	05560819-000
MHR 500	02560411-000	±0.50	2.0	J05562065-000	1.300	J05560394-000	1.300	J05560394-000
MHR 1000	02560412-000	±1	3.0	J05560396-000	3.000	J05560396-000		
MHR 2000	02561033-000	±2	3.0	J05560396-000				
HR 050	02560389-000	±0.05	0.8	J05562044-000	0.80	J05562044-000	0.80	J05562044-000
HR 100	02560390-000	±0.1	1.3	J05562045-000	1.30	J05562045-000	1.30	J05562045-000
HR 200	02560391-000	±0.2	1.65	J05562046-000	1.65	J05562046-000	1.65	J05562046-000
HR 300	02560392-000	±0.3	1.95	J05562048-000	1.95	J05562048-000	1.95	J05562048-000
HR 500	02560394-000	±0.5	3.45	J05562049-000	3.45	J05562049-000	3.45	J05562049-000
HR 1000	02560395-000	±1	4.0	J05562051-000	4.00	J05562051-000	3.45	J05562049-000
HR 2000	02560396-000	±2	5.3	J05562053-000	4.00	J05562051-000	3.85	05561085-000
HR 3000	02560398-000	±3	5.6	J05562055-000	5.00	J05562054-000	3.45	J05562049-000
HR 4000	02560399-000	±4	7.0	J05562057-000	5.30	J05562053-000	3.45	J05562049-000
HR 5000	02560400-000	±5	7.0	J05562057-000	5.30	J05562053-000		
HR 7500	02561011-000	±7.5	7.0	J05562057-000				
HR 10000	02560401-000	±10	8.5	J05562058-000	5.60	J05562055-000		
MP 500	02560394-000	±0.5	3.45	J05562049-000	3.45	J05562049-000	3.45	J05562049-000
MP 1000	02560395-000	±1	4.0	J05562051-000	4.00	J05562051-000	3.45	J05562049-000
MP 2000	02560396-000	±2	5.3	J05562053-000	4.00	J05562051-000	3.85	05561085-000
MP 3000	02560398-000	±3	5.6	J05562055-000	5.00	J05562054-000	3.45	J05562049-000
MP 4000	02560399-000	±4	7.0	J05562057-000	5.30	J05562053-000	3.45	J05562049-000
MP 5000	02560400-000	±5	7.0	J05562057-000	5.30	J05562053-000		
MP 10000	02560401-000	±10	8.5	J05562058-000	5.60	J05562055-000		

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LVDT Model	LVDT Part Number	Range for 100% stroke	Core length for 100% Stroke	Core Part Number for 100% Stroke	Core length for 125% Stroke	Core Part Number for 125% Stroke	Core length for 150% Stroke	Core Part Number for 150% Stroke
HCA 050	02560413-000	±0.050	0.585	J05560419-000	0.585	J05560419-000	0.585	J05560419-000
HCA 125	02560414-000	±0.125	1.1	J05560386-000	1.10	J05560386-000	1.10	J05560386-000
HCA 250	02560415-000	±0.25	1.8	J05560387-000	1.80	J05560387-000	1.80	J05560387-000
HCA 500	02560416-000	±0.50	3.0	J05560381-000	3.00	J05560381-000	2.00	J05560380-000
HCA 1000	02560417-000	±1	3.8	J05560382-000	3.80	J05560382-000	3.00	J05560381-000
HCA 2000	02560418-000	±2	5.3	J05560383-000	4.00	J05562090-000	3.00	J05560381-000
HCA 3000	02560419-000	±3	6.2	J05560384-000	6.20	J05560384-000	5.30	J05560383-000
HCA 4000	72560000-000	±4	6.2	J05560384-000				
HCA 5000	02560420-000	±5	6.2	J05560384-000	6.20	J05560384-000		
HCA 10000	02560421-000	±10	12	J05560385-000	7.50	05561904-000	3.00	J05560381-000
XS-C 249	02560551-000	±0.25	1.8	J05560387-000	1.80	J05560387-000	1.80	J05560387-000
XS-C 499	02560549-000	±0.50	3.0	J05560381-000	3.00	J05560381-000	2.00	J05560380-000
XS-C 999	02560548-000	±1	3.8	J05560382-000	3.000	J05560381-000	3.00	J05560381-000

CORES with METRIC THREADS

LVDT Model	LVDT Part Number	Range for 100% stroke	Core length for 100% Stroke	Core Part Number for 100% Stroke	Core length for 125% Stroke	Core Part Number for 125% Stroke	Core length for 150% Stroke	Core Part Number for 150% Stroke
MHR 005	02560405-006	±0.005	0.180	J05562069-000	0.180	J05562069-000	0.180	J05562069-000
MHR 010	02560406-006	±0.010	0.233	J05562081-000	0.233	J05562081-000	0.233	J05562081-000
MHR 025	02560407-006	±0.025	0.400	J05562077-000	0.400	J05562077-000	0.400	J05562077-000
MHR 050	02560408-006	±0.05	0.500	J05562078-000	0.500	J05562078-000	0.500	J05562078-000
MHR 100	02560409-006	±0.10	0.625	J05562074-000	0.625	J05562074-000	0.625	J05562074-000
MHR 250	02560410-006	±0.25	1.125	J05562082-000	1.125	J05562082-000	0.800	
MHR 500	02560411-006	±0.50	2.0	J05562083-000	1.3		1.3	
MHR 1000	02560412-006	±1	3.0	J05562084-000	3.0	J05562084-000		
MHR 2000	02561033-006	±2	3.0	J05562084-000				
HR 050	02560389-006	±0.05	0.8	J05562075-000	0.8	J05562075-000	0.8	J05562075-000
HR 100	02560390-006	±0.10	1.3	J05562071-000	1.3	J05562071-000	1.3	J05562071-000
HR 200	02560391-006	±0.2	1.65	J05562072-000	1.65	J05562072-000	1.65	J05562072-000
HR 300	02560392-006	±0.3	1.95	J05562079-000	1.95	J05562079-000	1.95	J05562079-000
HR 500	02560394-006	±0.5	3.45	J05562073-000	3.45	J05562073-000	3.45	J05562073-000
HR 1000	02560395-006	±1	4.0	J05560112-000	4.0	J05560112-000	3.45	J05562073-000
HR 2000	02560396-006	±2	5.3	J05562076-000	4.0	J05560112-000	3.85	
HR 3000	02560398-006	±3	5.6	J05562070-000	5.0		3.45	J05562073-000
HR 4000	02560399-006	±4	7.0	J05560122-000	5.3	J05562076-000	3.45	J05562073-000
HR 5000	02560400-006	±5	7.0	J05560122-000	5.3	J05562076-000		
HR 7500	02561011-006	±7.5	7.0	J05560122-000				
HR 10000	02560401-006	±10	8.5	J05562080-000	5.6	J05562070-000		

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MP 500	02560394-006	±0.5	3.45	J05562073-000	3.45	J05562073-000	3.45	J05562073-000
MP 1000	02560395-006	±1	4.0	J05560112-000	4.0	J05560112-000	3.45	J05562073-000
MP 2000	02560396-006	±2	5.3	J05562076-000	4.0	J05560112-000	3.85	
MP 3000	02560398-006	±3	5.6	J05562070-000	5.0		3.45	J05562073-000
MP 4000	02560399-006	±4	7.0	J05560122-000	5.3	J05562076-000	3.45	J05562073-000
MP 5000	02560400-006	±5	7.0	J05560122-000	5.3	J05562076-000		
MP 10000	02560401-006	±10	8.5	J05562080-000	5.6	J05562070-000		
HCA 050	02560413-006	±0.050	0.585	J05560397-000	0.585	J05560397-000	0.585	J05560397-000
HCA 125	02560414-006	±0.125	1.1	J05560399-000	1.1	J05560399-000	1.1	J05560399-000
HCA 250	02560415-006	±0.25	1.8	J05560411-000	1.8	J05560411-000	1.8	J05560411-000
HCA 500	02560416-006	±0.50	3.0	J05560414-000	3.0	J05560414-000	2.0	J05560413-000
HCA 1000	02560417-006	±1	3.8	J05560415-000	3.8	J05560415-000	3.0	J05560414-000
HCA 2000	02560418-006	±2	5.3	J05560416-000	4.0		3.0	J05560414-000
HCA 3000	02560419-006	±3	6.2	J05560417-000	6.2	J05560417-000	5.3	J05560416-000
HCA 4000	72560000-006	±4	6.2	J05560417-000				
HCA 5000	02560420-006	±5	6.2	J05560417-000	6.2	J05560417-000		
HCA 10000	02560421-006	±10	12	J05560418-000	7.5		3.0	J05560414-000
XS-C 249	02560551-006	±0.25	1.8	J05560411-000	1.8	J05560411-000	1.8	J05560411-000
XS-C 499	02560549-006	±0.50	3.0	J05560414-000	3.0	J05560414-000	2.0	J05560413-000
XS-C 999	02560548-006	±1	3.8	J05560415-000	3.0	J05560414-000	3.0	J05560414-000

Note: Ranges and Core lengths are in inches

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