

TEST LOAD (kN)

Size	HST			HDA			HSL-3			Size	mm	Nm	HSA		HSA-F		
	Nm	R. L.	T. L.	Nm	R. L.	T. L.	Nm	R. L.	T. L.				R.L.	T.L.	R.L.	T.L.	
M8	20	3.6	5.4				25	11.2	16.8	M6	x 30	5	2.9	4.4	2.9	4.4	
M8-R		4.3	6.5								3.6		5.4	3.6	5.4		
M10	40	7.6	11.4	50	21.9	32.9	50	14.1	21.2		x 40		4.3	6.5			
M10-R					20.5	30.8											
M12	60	9.5	14.3	80	31.9	47.9	80	17.2	25.8	M8	x 30	15	4.0	6.0	4.0	6.0	
M12-R					29.9	44.9				x 40	6.1		9.2	6.1	9.2		
M16	110	16.7	25.1	120	60.0	90.0	120	24.0	36.0	x 70	7.6		11.4	7.6	11.4		
M16-R					56.3	84.5				x 40	6.1	9.2	6.1	9.2			
M20	240	23.8	35.7	300	91.4	137.1	200	33.5	50.3	M10	x 50	25	8.5	12.8	7.6	11.4	
M24	300	28.6	42.9				250	44.1	66.2	x 80	11.9		17.9	9.5	14.3		
										x 50	8.5		12.8	8.5	12.8		

R -- stainless steel

HKD			Solid		HKD-S/E		Hollow	
Size	mm	Nm	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.
M6 1/4"	x 25	4	3.0	4.5	2.1	3.2	1.0	1.5
	x 30				3.3	5.0		
M8 5/16"	x 25	8	3.0	4.5			1.4	2.1
	x 30		3.9	5.9	3.3	5.0	2.0	3.0
	x 40		4.3	6.5	3.6	5.4	2.4	3.6
M10 3/8"	x 25	15	3.0	4.5			1.6	2.4
	x 30		3.9	5.9	3.3	5.0	2.4	3.6
	x 40		6.1	9.2	5.1	7.7	3.6	5.4
M12 1/2"	x 25	35	3.0	4.5			1.9	2.9
	x 50		8.5	12.8	7.1	10.7	4.3	6.5
M16	x 65	60	12.6	18.9	12.6	18.9	7.6	11.4
M20	x 80	120	17.2	25.8	17.2	25.8		

M12	x 50	50	8.5	12.8	8.5	12.8
	x 65		12.6	18.9	11.9	17.9
	x 100		16.7	25.1	11.9	17.9
M16	x 65	80	12.6	18.9	9.5	14.3
	x 80		17.2	25.8	14.3	21.5
	x 120		23.8	35.7	19.0	28.5
M20	x 75	200	15.6	23.4	15.6	23.4
	x 100		24.0	36.0	24.0	36.0
	x 115		29.7	44.6	29.7	44.6

HUS3			
Size	mm	R.L.	T.L.
8	x 50	4.3	6.5
	x 60	5.7	8.6
	x 70	7.6	11.4
10	x 55	5.7	8.6
	x 75	9.5	14.3
	x 85	13.2	19.8
14	x 65	8.3	12.5
	x 85	13.0	19.5
	x 115	21.2	31.8

HST3				
Size	mm	Nm	R.L.	T.L.
M8	x 47	20	5.7	8.6
M10	x 40	45	6.1	9.2
	x 60		9.5	14.3
M12	x 50	60	8.5	12.8
	x 70		11.9	17.9
M16	x 65	110	12.6	18.9
	x 85		18.8	28.2
M20	x 101	180	24.4	36.6
M24	x 125	300	28.6	42.9

HLC			
Size	Nm	R. L.	T. L.
Ø 6.5	5	0.8	1.2
Ø 8	8	1.4	2.1
Ø 10	25	1.8	2.7
Ø 12	40	2.9	4.4
Ø 16	50	4.0	6.0
Ø 20	80	5.3	8.0

Size	HY 70*		HY 200		HY 200 HIT-Z		RE 500		RE 100		RE 500 V3		HVU		HVZ	
	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.	R. L.	T. L.
M8	1.0	1.5	8.6	12.9	11.4	17.1	8.6	12.9	8.7	13.1	8.7	13.1	8.1	12.2	15.6	23.4
M10	1.7	2.6	13.8	20.7	18.1	27.2	13.8	20.7	13.8	20.7	13.8	20.7	12.4	18.6	19.0	28.5
M12	1.7	2.6	20.0	30.0	25.9	38.9	19.8	29.7	19.8	29.7	20.1	30.2	18.1	27.2	25.9	38.9
M16			28.0	42.0	42.0	63.0	24.0	36.0	31.6	47.4	33.6	50.4	28.6	42.9	33.6	50.4
M20			44.0	66.0	58.1	87.2	38.1	57.2	38.1	57.2	53.3	80.0	53.3	80.0	53.3	80.0
M22			54.0	81.0			45.2	67.8					60.0	90.0		
M24			61.0	91.5			52.3	78.5	52.3	78.5	73.2	109.8	66.7	100.1		
M27			74.5	111.8			63.9	95.9	63.9	95.9	89.4	134.1	89.4	134.1		
M30			88.9	133.4			76.2	114.3	76.2	114.3	106.7	160.1	106.7	160.1		
M33							89.3	134.0			104.1	156.2				
M36							103.0	154.5			120.1	180.2				
M39							117.3	176.0			136.9	205.4				

*brick wall



TEST LOAD (kN)

TEST LOAD FOR CD ANCHORS

Size	HST			HDA			HVZ			Size	HSC-A SHD			HSC-IR		
	Nm	R. L.	T. L.	Nm	R. L.	T. L.	Nm	R. L.	T. L.		Nm	R. L.	T. L.	Nm	R. L.	T. L.
M8	20	3.6	5.4							M6x40				10	5.4	8.1
M8-R		4.3	6.5							M8x40					6.1	9.2
M10	45	7.6	11.4	50	21.9	32.9	40	15.6	23.4	M8x50	10	8.5	12.8			
M12	60	9.5	14.3	80	31.9	47.9	50	19.0	28.7	M10x40	20	6.1	9.2			
M16	110	16.7	25.0	120	60.0	90.0	90	25.9	38.7	M10x50				20	8.5	12.8
M16x125								33.6	50.4	M10x60				30	11.2	16.8
M20	240	23.8	35.7	300	91.1	136.7	150	53.3	79.8	M12x60	30	11.2	16.8	30	11.2	16.8
M24	300	28.6	42.9													

R -- stainless steel

