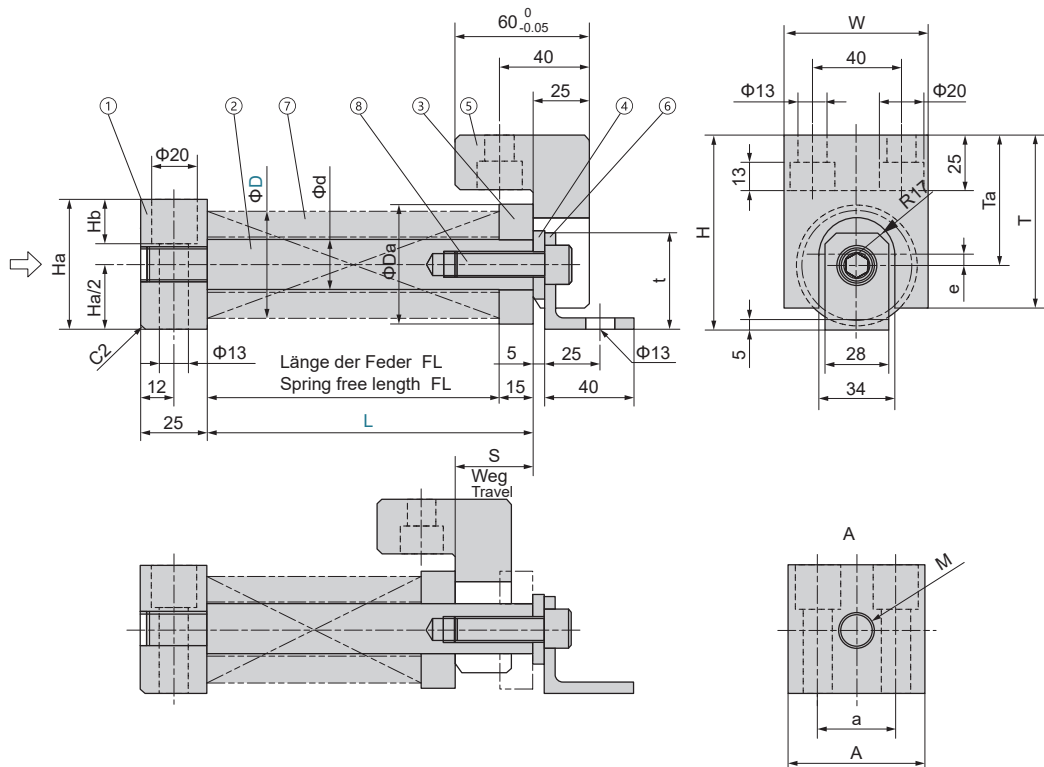


SX-FHTHDL



Stückliste

Table of Components

Nr. No.	Beschreibung Description	Menge Qty	Material und Bemerkung Material and Remark
①	Federblock / Spring Block	1	Q235
②	Federführungsstift / Spring Guide Pin	1	C45
③	Gleitplatte / Slide Plate	1	Q235
④	Scheibe / Washer	1	Q235
⑤	Rückführungsplatte / Return Plate	1	Q235
⑥	Winkel / Angle	1	Q235
⑦	Feder / Spring	1	TL
⑧	Innensechskantschraube / Hexagon Socket Head Bolt	1	M12x40





D	d	Da	Ha	Hb	t	A	a	M	W	H	T	Ta	e
40	18	45	50	15	40	55	30	M12	64	80	75	55	2.5
50	23	55	60	20	45	60	35	M16		90	80	60	5
60	28	65	70	25	50	70	40	M20	74	100	85	65	

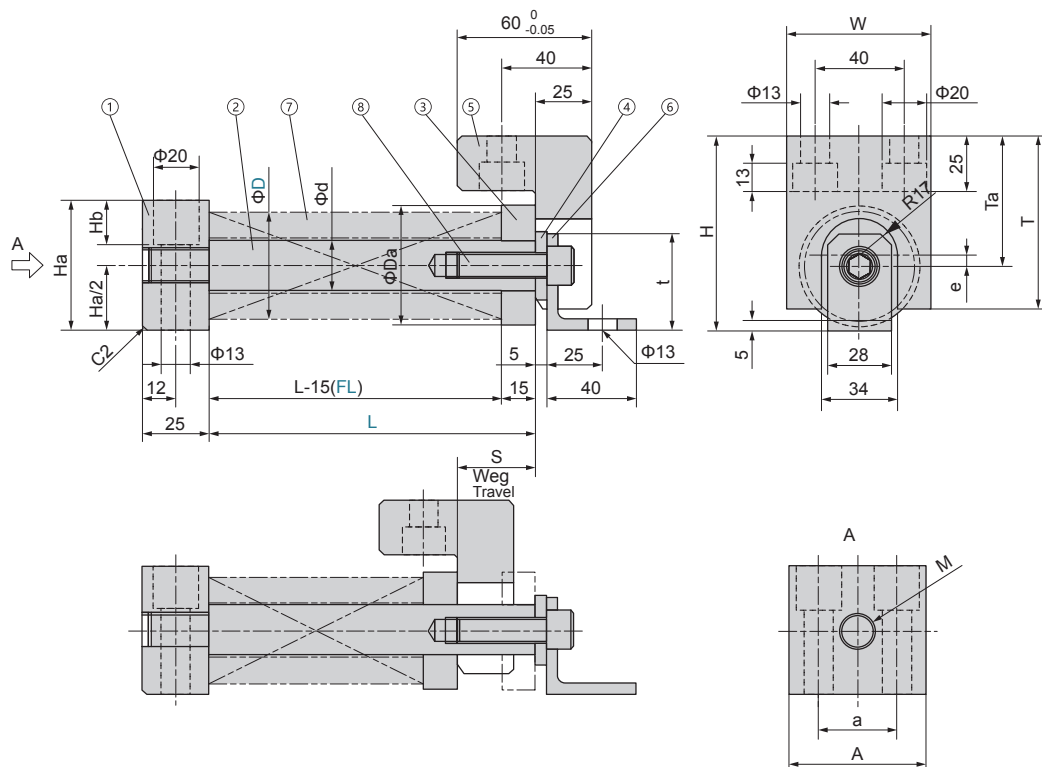
D	FL	Federrate / spring rate N/mm	Federweg für lange Standzeit / Deflection for long life (32% of FL)		Federweg Ø-Standzeit / Deflection for average life (36% of FL)		max. Federweg / max. operating Deflection (40% of FL)		Hub Referenz 500.000 (Federweg 36%) / Stroke reference 500.000 (Deflection 36%)			
			Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	S	L	Anfangskraft / Initial load (N)	Endkraft / Final load (N)
40	90	58.73	28.8	1697	32.4	1903	36.0	2120	20	93	728	1903
	100	52.86	32.0		36.0		40.0		25	104	581	
	125	42.29	40.0		45.0		50.0		30	125	634	
	150	35.24	48.0		54.0		60.0		35	146	670	
	175	30.21	56.0		63.0		70.0		40	167	695	
	200	26.43	64.0		72.0		80.0		45	188	714	
	225	23.49	72.0		81.0		90.0		50	209	728	
	250	21.14	80.0		90.0		100.0		55	230	740	
	275	19.22	88.0		99.0		110.0		65	256	653	
	300	17.62	96.0		108.0		120.0		70	277	670	
50	90	91.98	28.8	2650	32.4	2980	36.0	3310	20	93	1141	2980
	100	82.78	32.0		36.0		40.0		25	104	911	
	125	66.22	40.0		45.0		50.0		30	125	993	
	150	55.19	48.0		54.0		60.0		35	146	1049	
	175	47.30	56.0		63.0		70.0		40	167	1088	
	200	41.39	64.0		72.0		80.0		45	188	1118	
	225	36.79	72.0		81.0		90.0		50	209	1140	
	250	33.11	80.0		90.0		100.0		55	230	1159	
	275	30.10	88.0		99.0		110.0		60	251	1174	
	300	27.59	96.0		108.0		120.0		70	277	1048	
	350	23.65	112.0		126.0		140.0		80	319	1088	
60	90	132.41	28.8	3810	32.4	4290	36.0	4770	20	93	1642	4290
	100	119.17	32.0		36.0		40.0		25	104	1311	
	125	95.33	40.0		45.0		50.0		30	125	1430	
	150	79.44	48.0		54.0		60.0		35	146	1509	
	175	68.10	56.0		63.0		70.0		40	167	1566	
	200	59.58	64.0		72.0		80.0		45	188	1609	
	225	52.96	72.0		81.0		90.0		50	209	1642	
	250	47.67	80.0		90.0		100.0		60	235	1430	
	275	43.33	88.0		99.0		110.0		65	256	1473	
	300	39.72	96.0		108.0		120.0		70	277	1509	
	350	34.05	112.0		126.0		140.0		80	319	1566	

Bestellnummer / Order Number

	Bestellnr. / Catalog No.	-	D	-	FL	-	L
	SX-FHTHDL - 50 - 175 - 167						



SX-FHTHDF



Stückliste

Table of Components

Nr. No.	Beschreibung Description	Menge Qty	Material und Bemerkung Material and Remark
①	Federblock / Spring Block	1	Q235
②	Federführungsstift / Spring Guide Pin	1	C45
③	Gleitplatte / Slide Plate	1	Q235
④	Scheibe / Washer	1	Q235
⑤	Rückführungsplatte / Return Plate	1	Q235
⑥	Winkel / Angle	1	Q235
⑦	Feder / Spring	1	TF
⑧	Innensechskantschraube / Hexagon Socket Head Bolt	1	M12x40





D	d	Da	Ha	Hb	t	A	a	M	W	H	T	Ta	e
40	18	45	50	15	40	55	30	M12	64	80	75	55	2.5
50	23	55	60	20	45	60	35	M16		90	80	60	5
60	28	65	70	25	50	70	40	M20	74	100	85	65	

D	FL	Federrate / spring rate N/mm	Federweg für lange Standzeit / Deflection for long life (32% of FL)		Federweg Ø-Standzeit / Deflection for average life (36% of FL)		max. Federweg / max. operating Deflection (40% of FL)		Hub Referenz 500.000 (Federweg 36%) / Stroke reference 500.000 (Deflection 36%)			
			Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	S	L	Anfangskraft / Initial load (N)	Endkraft / Final load (N)
40	90	27.85	36.0	1000	40.5	1128	45.0	1255	20	85	571	1128
	100	25.07	40.0		45.0		50.0		25	95	501	
	125	20.05	50.0		56.3		62.5		30	114	527	
	150	16.71	60.0		67.5		75.0		35	133	543	
	175	14.32	70.0		78.8		87.5		40	151	556	
	200	12.53	80.0		90.0		100.0		45	170	564	
	225	11.14	90.0		101.3		112.5		50	189	571	
	250	10.03	100.0		112.5		125.0		55	208	577	
	275	9.12	110.0		123.8		137.5		65	231	536	
	300	8.36	120.0		135.0		150.0		70	250	543	
50	100	39.22	40.0	1569	45.0	1765	50.0	1961	20	90	981	1765
	125	31.38	50.0		56.3		62.5		25	109	982	
	150	26.15	60.0		67.5		75.0		30	128	981	
	175	22.41	70.0		78.8		87.5		35	146	982	
	200	19.61	80.0		90.0		100.0		40	165	981	
	225	17.43	90.0		101.3		112.5		45	184	981	
	250	15.69	100.0		112.5		125.5		50	203	981	
	275	14.26	110.0		123.8		137.5		55	221	981	
	300	13.07	120.0		135.0		150.0		60	240	980	
	350	11.21	140.0		157.5		175.0		70	278	981	
60	100	56.44	40.0	2260	45.0	2540	50.0	2820	20	90	1411	2540
	125	45.16	50.0		56.3		62.5		25	109	1414	
	150	37.63	60.0		67.5		75.0		30	128	1411	
	175	32.25	70.0		78.8		87.5		35	146	1413	
	200	28.22	80.0		90.0		100.0		40	165	1411	
	225	25.09	90.0		101.3		112.5		45	184	1413	
	250	22.58	100.0		112.5		125.0		50	203	1411	
	275	20.53	110.0		123.8		137.5		55	221	1412	
	300	18.81	120.0		135.0		150.0		60	240	1411	
	350	16.13	140.0		157.5		175.0		70	278	1411	
60	400	14.11	160.0		180.0		200		80	315	1411	

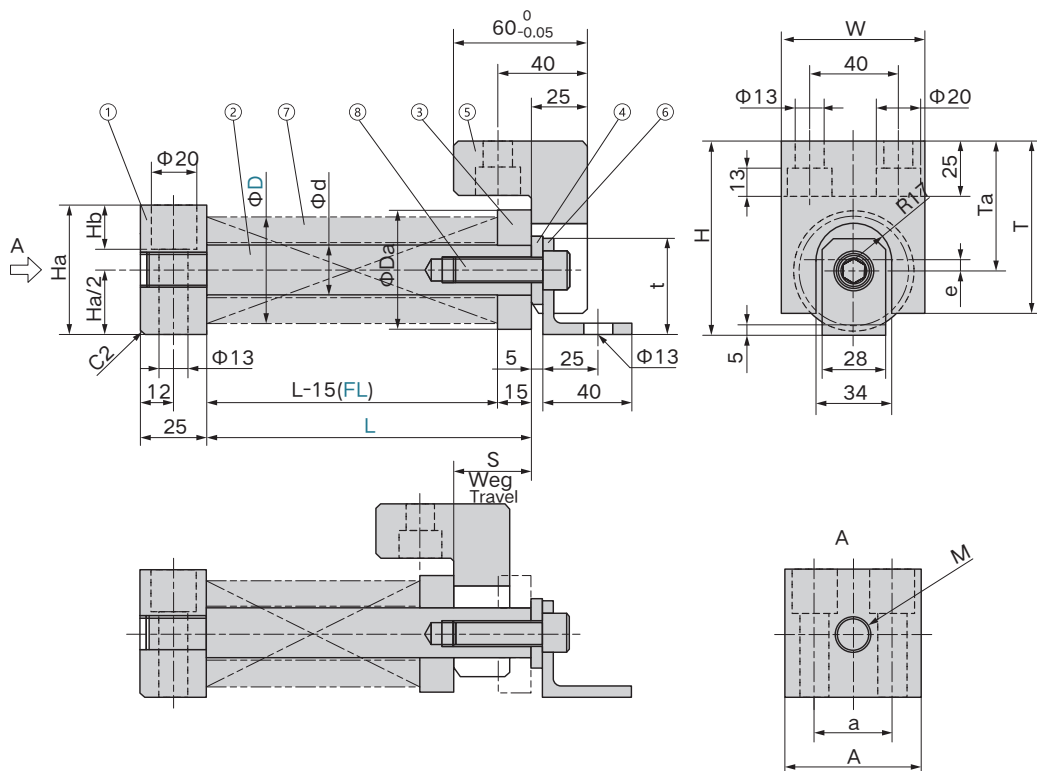
Bestellnummer / Order Number

	Bestellnr. / Catalog No.	-	D	-	FL	-	L
	SX-FHTHDF	-	40	-	125	-	114





SX-FHTHDM



Stückliste

Table of Components

Nr. No.	Beschreibung Description	Menge Qty	Material und Bemerkung Material and Remark
①	Federblock / Spring Block	1	Q235
②	Federführungsstift / Spring Guide Pin	1	C45
③	Gleitplatte / Slide Plate	1	Q235
④	Scheibe / Washer	1	Q235
⑤	Rückführungsplatte / Return Plate	1	Q235
⑥	Winkel / Angle	1	Q235
⑦	Feder / Spring	1	TM
⑧	Innensechskantschraube / Hexagon Socket Head Bolt	1	M12x40





D	d	Da	Ha	Hb	t	A	a	M	W	H	T	Ta	e
40	18	45	50	15	40	55	30	M12	64	80	75	55	2.5
50	23	55	60	20	45	60	35	M16		90	80	60	5
60	28	65	70	25	50	70	40	M20	74	100	85	65	

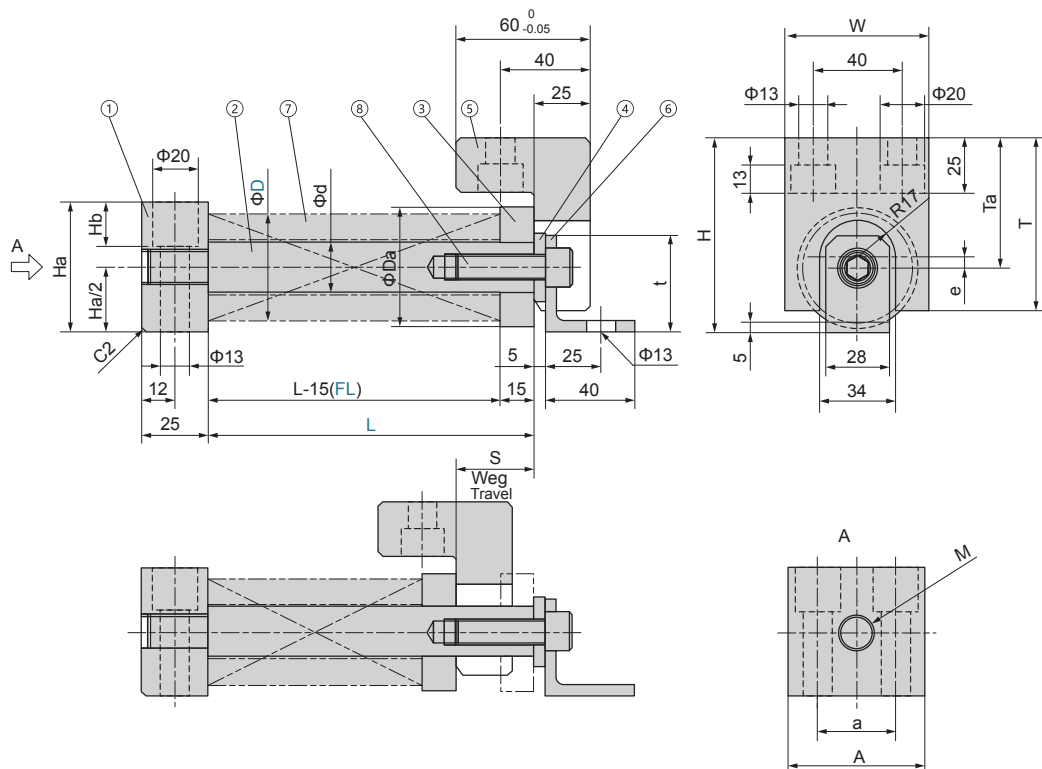
D	FL	Federrate / spring rate N/mm	Federweg für lange Standzeit / Deflection for long life (32% of FL)		Federweg Ø-Standzeit / Deflection for average life (36% of FL)		max. Federweg / max. operating Deflection (40% of FL)		Hub Referenz 500.000 (Federweg 36%) / Stroke reference 500.000 (Deflection 36%)			
			Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	S	L	Anfangskraft / Initial load (N)	Endkraft / Final load (N)
40	100	97.92	25.8	2510	28.8	2820	32.0	3140	20	103	1175	2820
	125	78.33	32.0		36.0		40.0		25	125	1175	
	150	65.28	38.4		43.2		48.0		30	147	1175	
	175	55.95	44.8		50.4		56.0		35	169	1175	
	200	48.96	51.2		57.6		64.0		40	191	1175	
	225	43.52	57.6		64.8		72.0		45	213	1175	
	250	39.17	64.0		72.0		80.0		50	235	1175	
	275	35.61	70.4		79.2		88.0		60	262	997	
	300	32.64	76.8		86.4		96.0		70	289	849	
50	100	153.13	25.6	3920	28.8	4410	32.0	4900	20	103	1838	4410
	125	122.50	32.0		36.0		40.0		25	125	1838	
	150	102.08	38.4		43.2		48.0		30	147	1837	
	175	87.50	44.8		50.4		56.0		35	169	1838	
	200	76.56	51.2		57.6		64.0		40	191	1837	
	225	68.06	57.6		64.8		72.0		45	213	1838	
	250	61.25	64.0		72.0		80.0		50	235	1838	
	275	55.68	70.4		79.2		88.0		55	257	1837	
	300	51.04	76.8		86.4		96.0		60	279	1837	
	350	43.75	89.6		100.8		112.0		70	323	1838	
60	100	220.49	25.6	5640	28.8	6350	32.0	7060	20	103	2646	6350
	125	176.39	32.0		36.0		40.0		25	125	2646	
	150	146.99	38.4		43.2		48.0		30	147	2646	
	175	126.99	44.8		50.4		56.0		35	169	2646	
	200	110.24	51.2		57.6		64.0		40	191	2646	
	225	97.99	57.6		64.8		72.0		45	213	2646	
	250	88.19	64.0		72.0		80.0		50	235	2646	
	275	80.18	70.4		79.2		88.0		55	257	2646	
	300	73.50	76.8		86.4		96.0		60	279	2646	
	350	63.00	89.6		100.8		112.0		70	323	2646	

Bestellnummer / Order Number

	Bestellnr. / Catalog No.	-	D	-	FL	-	L
	SX-FHTHDM - 50 - 150 - 147						



SX-FHTHDH



Stückliste

Table of Components

Nr. No.	Beschreibung Description	Menge Qty	Material und Bemerkung Material and Remark
①	Federblock / Spring Block	1	Q235
②	Federführungsstift / Spring Guide Pin	1	C45
③	Gleitplatte / Slide Plate	1	Q235
④	Scheibe / Washer	1	Q235
⑤	Rückführungsplatte / Return Plate	1	Q235
⑥	Winkel / Angle	1	Q235
⑦	Feder / Spring	1	TH
⑧	Innensechskantschraube / Hexagon Socket Head Bolt	1	M12x40





D	d	Da	Ha	Hb	t	A	a	M	W	H	T	Ta	e
40	18	45	50	15	40	55	30	M12	64	80	75	55	2.5
50	23	55	60	20	45	60	35	M16		90	80	60	5
60	28	65	70	25	50	70	40	M20	74	100	85	65	

D	FL	Federrate / spring rate N/mm	Federweg für lange Standzeit / Deflection for long life (32% of FL)		Federweg Ø-Standzeit / Deflection for average life (36% of FL)		max. Federweg / max. operating Deflection (40% of FL)		Hub Referenz 500.000 (Federweg 36%) / Stroke reference 500.000 (Deflection 36%)			
			Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	Federweg / Deflection (mm)	Federkraft / Load (N)	S	L	Anfangskraft / Initial load (N)	Endkraft / Final load (N)
40	100	196.30	19.2	3770	21.6	4240	24.0	4710	20	111	785	4240
	125	157.04	24.0		27.0		30.0		25	135	785	
	150	130.86	28.8		32.4		36.0		30	159	785	
	175	112.17	33.6		37.8		42.0		35	183	785	
	200	98.15	38.4		43.2		48.0		40	207	785	
	225	87.24	43.2		48.6		54.0		45	231	785	
	250	78.52	48.0		54.0		60.0		50	255	785	
	275	71.38	52.8		59.4		66.0		55	279	785	
	300	65.43	57.6		64.8		72.0		60	303	785	
50	100	306.48	19.2	5880	21.6	6620	24.0	7360	20	111	1226	6620
	125	245.19	24.0		27.0		30.0		25	135	1226	
	150	204.32	28.8		32.4		36.0		30	159	1226	
	175	175.13	33.6		37.8		42.0		35	183	1226	
	200	153.24	38.4		43.2		48.0		40	207	1226	
	225	136.21	43.2		48.6		54.0		45	231	1226	
	250	122.59	48.0		54.0		60.0		50	255	1226	
	275	111.45	52.8		59.4		66.0		55	279	1226	
	300	102.16	57.6		64.8		72.0		60	303	1226	
	350	87.57	67.2		75.6		84.0		70	351	1226	
60	100	441.67	19.2	8470	21.6	9540	24.0	10590	20	111	1767	9540
	125	353.33	24.0		27.0		30.0		25	135	1767	
	150	294.44	28.8		32.4		36.0		30	159	1767	
	175	252.38	33.6		37.8		42.0		35	183	1767	
	200	220.83	38.4		43.2		48.0		40	207	1767	
	225	196.30	43.2		48.6		54.0		45	231	1767	
	250	176.67	48.0		54.0		60.0		50	255	1767	
	275	160.61	52.8		59.4		66.0		55	279	1767	
	300	147.22	57.6		64.5		72.0		60	303	1767	
	350	126.19	67.2		75.6		84.0		70	351	1767	

Bestellnummer / Order Number

	Bestellnr. / Catalog No.	-	D	-	FL	-	L
	SX-FHTHDH - 60 - 200 - 207						

