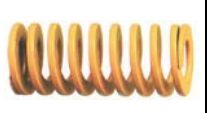








HENRY®

JIS Die Spring Selection Chart (JIS B 5012 Series)

												
		Extra Light Duty Yellow		Light Duty Blue		Medium Duty Red		Heavy Duty Green		Extra Heavy Duty Brown		
Outer Dia	Inner Dia.	Free Length	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm
mm	mm	mm		Kgf		Kgf		Kgf		Kgf		Kgf
6	3	15	ASF 6 X 15	0.80	ASL 6 X 15	1.34	ASM 6 X 15	2.08	ASH 6 X 15	3.90	ASB 6 X 15	6.00
		20	ASF 6 X 20	0.60	ASL 6 X 20	1.00	ASM 6 X 20	1.56	ASH 6 X 20	2.90	ASB 6 X 20	4.50
		25	ASF 6 X 25	0.48	ASL 6 X 25	0.80	ASM 6 X 25	1.25	ASH 6 X 25	2.30	ASB 6 X 25	3.60
		30	ASF 6 X 30	0.40	ASL 6 X 30	0.67	ASM 6 X 30	1.04	ASH 6 X 30	1.90	ASB 6 X 30	3.00
		35	ASF 6 X 35	0.34	ASL 6 X 35	0.57	ASM 6 X 35	0.89	ASH 6 X 35	1.70	ASB 6 X 35	2.60
		40	ASF 6 X 40	0.30	ASL 6 X 40	0.50	ASM 6 X 40	0.78	ASH 6 X 40	1.50	ASB 6 X 40	2.30
8	4	10	ASF 8 X 10	1.61	ASL 8 X 10	2.50	ASM 8 X 10	4.37	ASH 8 X 10	8.80	ASB 8 X 10	16.50
		15	ASF 8 X 15	1.07	ASL 8 X 15	1.67	ASM 8 X 15	2.92	ASH 8 X 15	5.80	ASB 8 X 15	11.00
		20	ASF 8 X 20	0.81	ASL 8 X 20	1.25	ASM 8 X 20	2.19	ASH 8 X 20	4.40	ASB 8 X 20	8.30
		25	ASF 8 X 25	0.64	ASL 8 X 25	1.00	ASM 8 X 25	1.75	ASH 8 X 25	3.50	ASB 8 X 25	6.60
		30	ASF 8 X 30	0.54	ASL 8 X 30	0.83	ASM 8 X 30	1.46	ASH 8 X 30	2.90	ASB 8 X 30	5.50
		35	ASF 8 X 35	0.46	ASL 8 X 35	0.72	ASM 8 X 35	1.25	ASH 8 X 35	2.50	ASB 8 X 35	4.70
		40	ASF 8 X 40	0.40	ASL 8 X 40	0.63	ASM 8 X 40	1.09	ASH 8 X 40	2.20	ASB 8 X 40	4.10
		45	ASF 8 X 45	0.36	ASL 8 X 45	0.56	ASM 8 X 45	0.97	ASH 8 X 45	1.90	ASB 8 X 45	3.70
		50	ASF 8 X 50	0.32	ASL 8 X 50	0.50	ASM 8 X 50	0.87	ASH 8 X 50	1.80	ASB 8 X 50	3.30
		55	ASF 8 X 55	0.29	ASL 8 X 55	0.46	ASM 8 X 55	0.80	ASH 8 X 55	1.60	ASB 8 X 55	3.00
		60	ASF 8 X 60	0.27	ASL 8 X 60	0.42	ASM 8 X 60	0.73	ASH 8 X 60	1.50	ASB 8 X 60	2.80
		65	ASF 8 X 65	0.25	ASL 8 X 65	0.39	ASM 8 X 65	0.67	ASH 8 X 65	1.30	ASB 8 X 65	2.50
		70	ASF 8 X 70	0.23	ASL 8 X 70	0.36	ASM 8 X 70	0.62	ASH 8 X 70	1.30	ASB 8 X 70	2.40
		75	ASF 8 X 75	0.21	ASL 8 X 75	0.33	ASM 8 X 75	0.58	ASH 8 X 75	1.20	ASB 8 X 75	2.20
80	ASF 8 X 80	0.20	ASL 8 X 80	0.31	ASM 8 X 80	0.55	ASH 8 X 80	1.10	ASB 8 X 80	2.10		
10	5	15	ASF 10 X 15	1.34	ASL 10 X 15	2.34	ASM 10 X 15	4.17	ASH 10 X 15	8.30	ASB 10 X 15	15.00
		20	ASF 10 X 20	1.00	ASL 10 X 20	1.75	ASM 10 X 20	3.13	ASH 10 X 20	6.30	ASB 10 X 20	11.30
		25	ASF 10 X 25	0.80	ASL 10 X 25	1.40	ASM 10 X 25	2.50	ASH 10 X 25	5.00	ASB 10 X 25	9.00
		30	ASF 10 X 30	0.67	ASL 10 X 30	1.17	ASM 10 X 30	2.09	ASH 10 X 30	4.20	ASB 10 X 30	7.50
		35	ASF 10 X 35	0.57	ASL 10 X 35	1.00	ASM 10 X 35	1.79	ASH 10 X 35	3.60	ASB 10 X 35	6.40
		40	ASF 10 X 40	0.50	ASL 10 X 40	0.88	ASM 10 X 40	1.56	ASH 10 X 40	3.10	ASB 10 X 40	5.60
		45	ASF 10 X 45	0.45	ASL 10 X 45	0.78	ASM 10 X 45	1.39	ASH 10 X 45	2.80	ASB 10 X 45	5.00
		50	ASF 10 X 50	0.40	ASL 10 X 50	0.70	ASM 10 X 50	1.25	ASH 10 X 50	2.50	ASB 10 X 50	4.50
		55	ASF 10 X 55	0.36	ASL 10 X 55	0.64	ASM 10 X 55	1.14	ASH 10 X 55	2.30	ASB 10 X 55	4.10
		60	ASF 10 X 60	0.33	ASL 10 X 60	0.58	ASM 10 X 60	1.04	ASH 10 X 60	2.10	ASB 10 X 60	3.80
		65	ASF 10 X 65	0.31	ASL 10 X 65	0.54	ASM 10 X 65	0.96	ASH 10 X 65	1.90	ASB 10 X 65	3.50
		70	ASF 10 X 70	0.29	ASL 10 X 70	0.50	ASM 10 X 70	0.89	ASH 10 X 70	1.80	ASB 10 X 70	3.20
		75	ASF 10 X 75	0.27	ASL 10 X 75	0.47	ASM 10 X 75	0.83	ASH 10 X 75	1.70	ASB 10 X 75	3.00
		80	ASF 10 X 80	0.25	ASL 10 X 80	0.44	ASM 10 X 80	0.78	ASH 10 X 80	1.60	ASB 10 X 80	2.80
90	ASF 10 X 90	0.22	ASL 10 X 90	0.39	ASM 10 X 90	0.70	ASH 10 X 90	1.40	ASB 10 X 90	2.50		
12	6	15	ASF 12 X 15	1.85	ASL 12 X 15	3.54	ASM 12 X 15	6.05	ASH 12 X 15	11.90	ASB 12 X 15	19.30
		20	ASF 12 X 20	1.39	ASL 12 X 20	2.66	ASM 12 X 20	4.53	ASH 12 X 20	8.90	ASB 12 X 20	14.50
		25	ASF 12 X 25	1.11	ASL 12 X 25	2.13	ASM 12 X 25	3.63	ASH 12 X 25	7.20	ASB 12 X 25	11.60
		30	ASF 12 X 30	0.93	ASL 12 X 30	1.77	ASM 12 X 30	3.02	ASH 12 X 30	6.00	ASB 12 X 30	9.70
		35	ASF 12 X 35	0.79	ASL 12 X 35	1.52	ASM 12 X 35	2.59	ASH 12 X 35	5.10	ASB 12 X 35	8.30
		40	ASF 12 X 40	0.70	ASL 12 X 40	1.33	ASM 12 X 40	2.27	ASH 12 X 40	4.50	ASB 12 X 40	7.30
		45	ASF 12 X 45	0.62	ASL 12 X 45	1.18	ASM 12 X 45	2.01	ASH 12 X 45	4.00	ASB 12 X 45	6.40
		50	ASF 12 X 50	0.56	ASL 12 X 50	1.06	ASM 12 X 50	1.81	ASH 12 X 50	3.60	ASB 12 X 50	5.80
		55	ASF 12 X 55	0.51	ASL 12 X 55	0.97	ASM 12 X 55	1.65	ASH 12 X 55	3.30	ASB 12 X 55	5.30
		60	ASF 12 X 60	0.46	ASL 12 X 60	0.89	ASM 12 X 60	1.51	ASH 12 X 60	3.00	ASB 12 X 60	4.80
		65	ASF 12 X 65	0.43	ASL 12 X 65	0.82	ASM 12 X 65	1.39	ASH 12 X 65	2.80	ASB 12 X 65	4.50
		70	ASF 12 X 70	0.40	ASL 12 X 70	0.76	ASM 12 X 70	1.29	ASH 12 X 70	2.60	ASB 12 X 70	4.10
		75	ASF 12 X 75	0.37	ASL 12 X 75	0.71	ASM 12 X 75	1.21	ASH 12 X 75	2.40	ASB 12 X 75	3.90
		80	ASF 12 X 80	0.35	ASL 12 X 80	0.66	ASM 12 X 80	1.13	ASH 12 X 80	2.20	ASB 12 X 80	3.60
90	ASF 12 X 90	0.31	ASL 12 X 90	0.59	ASM 12 X 90	1.01	ASH 12 X 90	2.00	ASB 12 X 90	3.20		






HENRY®

JIS Die Spring Selection Chart (JIS B 5012 Series)

Outer Dia mm	Inner Dia. mm	Free Length mm	Extra Light Duty Yellow		Light Duty Blue		Medium Duty Red		Heavy Duty Green		Extra Heavy Duty Brown			
			Catalog Number	Load at 1mm Kgf	Catalog Number	Load at 1mm Kgf	Catalog Number	Load at 1mm Kgf	Catalog Number	Load at 1mm Kgf	Catalog Number	Load at 1mm Kgf		
14	7	20	ASF 14 X 20	1.79	ASL 14 X 20	3.50	ASM 14 X 20	6.10	ASH 14 X 20	12.30	ASB 14 X 20	18.80		
		25	ASF 14 X 25	1.43	ASL 14 X 25	2.80	ASM 14 X 25	4.88	ASH 14 X 25	9.80	ASB 14 X 25	15.00		
		30	ASF 14 X 30	1.19	ASL 14 X 30	2.34	ASM 14 X 30	4.07	ASH 14 X 30	8.20	ASB 14 X 30	12.50		
		35	ASF 14 X 35	1.02	ASL 14 X 35	2.00	ASM 14 X 35	3.49	ASH 14 X 35	7.00	ASB 14 X 35	10.70		
		40	ASF 14 X 40	0.89	ASL 14 X 40	1.75	ASM 14 X 40	3.05	ASH 14 X 40	6.10	ASB 14 X 40	9.40		
		45	ASF 14 X 45	0.79	ASL 14 X 45	1.56	ASM 14 X 45	2.71	ASH 14 X 45	5.50	ASB 14 X 45	8.30		
		50	ASF 14 X 50	0.71	ASL 14 X 50	1.40	ASM 14 X 50	2.44	ASH 14 X 50	4.90	ASB 14 X 50	7.50		
		55	ASF 14 X 55	0.65	ASL 14 X 55	1.27	ASM 14 X 55	2.22	ASH 14 X 55	4.50	ASB 14 X 55	6.80		
		60	ASF 14 X 60	0.60	ASL 14 X 60	1.17	ASM 14 X 60	2.03	ASH 14 X 60	4.10	ASB 14 X 60	6.30		
		65	ASF 14 X 65	0.55	ASL 14 X 65	1.08	ASM 14 X 65	1.88	ASH 14 X 65	3.80	ASB 14 X 65	5.80		
		70	ASF 14 X 70	0.51	ASL 14 X 70	1.00	ASM 14 X 70	1.74	ASH 14 X 70	3.50	ASB 14 X 70	5.40		
		75	ASF 14 X 75	0.48	ASL 14 X 75	0.93	ASM 14 X 75	1.63	ASH 14 X 75	3.30	ASB 14 X 75	5.00		
		80	ASF 14 X 80	0.45	ASL 14 X 80	0.88	ASM 14 X 80	1.53	ASH 14 X 80	3.10	ASB 14 X 80	4.70		
		90	ASF 14 X 90	0.40	ASL 14 X 90	0.78	ASM 14 X 90	1.36	ASH 14 X 90	2.70	ASB 14 X 90	4.20		
		100	ASF 14 X 100	0.36	ASL 14 X 100	0.70	ASM 14 X 100	1.22	ASH 14 X 100	2.50	ASB 14 X 100	3.80		
		16	8	20	ASF 16 X 20	2.13	ASL 16 X 20	4.38	ASM 16 X 20	8.01	ASH 16 X 20	16.20	ASB 16 X 20	25.00
				25	ASF 16 X 25	1.70	ASL 16 X 25	3.50	ASM 16 X 25	6.41	ASH 16 X 25	12.90	ASB 16 X 25	20.00
30	ASF 16 X 30			1.42	ASL 16 X 30	2.92	ASM 16 X 30	5.34	ASH 16 X 30	10.80	ASB 16 X 30	16.70		
35	ASF 16 X 35			1.22	ASL 16 X 35	2.50	ASM 16 X 35	4.58	ASH 16 X 35	9.20	ASB 16 X 35	14.30		
40	ASF 16 X 40			1.06	ASL 16 X 40	2.19	ASM 16 X 40	4.01	ASH 16 X 40	8.10	ASB 16 X 40	12.50		
45	ASF 16 X 45			0.95	ASL 16 X 45	1.95	ASM 16 X 45	3.56	ASH 16 X 45	7.20	ASB 16 X 45	11.10		
50	ASF 16 X 50			0.85	ASL 16 X 50	1.75	ASM 16 X 50	3.21	ASH 16 X 50	6.50	ASB 16 X 50	10.00		
55	ASF 16 X 55			0.77	ASL 16 X 55	1.59	ASM 16 X 55	2.91	ASH 16 X 55	5.90	ASB 16 X 55	9.10		
60	ASF 16 X 60			0.71	ASL 16 X 60	1.46	ASM 16 X 60	2.67	ASH 16 X 60	5.40	ASB 16 X 60	8.30		
65	ASF 16 X 65			0.65	ASL 16 X 65	1.35	ASM 16 X 65	2.47	ASH 16 X 65	5.00	ASB 16 X 65	7.70		
70	ASF 16 X 70			0.61	ASL 16 X 70	1.25	ASM 16 X 70	2.29	ASH 16 X 70	4.60	ASB 16 X 70	7.10		
75	ASF 16 X 75			0.57	ASL 16 X 75	1.17	ASM 16 X 75	2.14	ASH 16 X 75	4.30	ASB 16 X 75	6.70		
80	ASF 16 X 80			0.53	ASL 16 X 80	1.09	ASM 16 X 80	2.00	ASH 16 X 80	4.00	ASB 16 X 80	6.30		
90	ASF 16 X 90			0.47	ASL 16 X 90	0.97	ASM 16 X 90	1.78	ASH 16 X 90	3.60	ASB 16 X 90	5.60		
100	ASF 16 X 100			0.43	ASL 16 X 100	0.88	ASM 16 X 100	1.60	ASH 16 X 100	3.20	ASB 16 X 100	5.00		
125	ASF 16 X 125			0.34	ASL 16 X 125	0.70	ASM 16 X 125	-	ASH 16 X 125	-	ASB 16 X 125	-		
18	9			20	ASF 18 X 20	2.63	ASL 18 X 20	5.38	ASM 18 X 20	10.16	ASH 18 X 20	20.30	ASB 18 X 20	31.30
		25	ASF 18 X 25	2.10	ASL 18 X 25	4.30	ASM 18 X 25	8.13	ASH 18 X 25	16.30	ASB 18 X 25	25.00		
		30	ASF 18 X 30	1.75	ASL 18 X 30	3.58	ASM 18 X 30	6.78	ASH 18 X 30	13.60	ASB 18 X 30	20.80		
		35	ASF 18 X 35	1.50	ASL 18 X 35	3.07	ASM 18 X 35	5.81	ASH 18 X 35	11.60	ASB 18 X 35	17.90		
		40	ASF 18 X 40	1.31	ASL 18 X 40	2.69	ASM 18 X 40	5.08	ASH 18 X 40	10.20	ASB 18 X 40	15.60		
		45	ASF 18 X 45	1.17	ASL 18 X 45	2.39	ASM 18 X 45	4.52	ASH 18 X 45	9.00	ASB 18 X 45	13.90		
		50	ASF 18 X 50	1.05	ASL 18 X 50	2.15	ASM 18 X 50	4.07	ASH 18 X 50	8.10	ASB 18 X 50	12.50		
		55	ASF 18 X 55	0.95	ASL 18 X 55	1.96	ASM 18 X 55	3.70	ASH 18 X 55	7.40	ASB 18 X 55	11.40		
		60	ASF 18 X 60	0.88	ASL 18 X 60	1.79	ASM 18 X 60	3.39	ASH 18 X 60	6.80	ASB 18 X 60	10.40		
		65	ASF 18 X 65	0.81	ASL 18 X 65	1.65	ASM 18 X 65	3.13	ASH 18 X 65	6.30	ASB 18 X 65	9.60		
		70	ASF 18 X 70	0.75	ASL 18 X 70	1.54	ASM 18 X 70	2.90	ASH 18 X 70	5.80	ASB 18 X 70	8.90		
		75	ASF 18 X 75	0.70	ASL 18 X 75	1.43	ASM 18 X 75	2.71	ASH 18 X 75	5.40	ASB 18 X 75	8.30		
		80	ASF 18 X 80	0.66	ASL 18 X 80	1.34	ASM 18 X 80	2.54	ASH 18 X 80	5.10	ASB 18 X 80	7.80		
		90	ASF 18 X 90	0.58	ASL 18 X 90	1.19	ASM 18 X 90	2.26	ASH 18 X 90	4.50	ASB 18 X 90	6.90		
		100	ASF 18 X 100	0.53	ASL 18 X 100	1.08	ASM 18 X 100	2.03	ASH 18 X 100	4.10	ASB 18 X 100	6.30		
		125	ASF 18 X 125	0.42	ASL 18 X 125	0.86	ASM 18 X 125	-	ASH 18 X 125	-	ASB 18 X 125	-		
		20	10 *(11)	20	*ASF 20 X 20	3.25	ASL 20 X 20	6.73	ASM 20 X 20	12.51	ASH 20 X 20	25.00	ASB 20 X 20	40.00
25	*ASF 20 X 25			2.60	ASL 20 X 25	5.40	ASM 20 X 25	10.01	ASH 20 X 25	20.00	ASB 20 X 25	32.00		
30	*ASF 20 X 30			2.17	ASL 20 X 30	4.50	ASM 20 X 30	8.34	ASH 20 X 30	16.70	ASB 20 X 30	26.70		
35	*ASF 20 X 35			1.86	ASL 20 X 35	3.86	ASM 20 X 35	7.15	ASH 20 X 35	14.30	ASB 20 X 35	22.90		
40	*ASF 20 X 40			1.63	ASL 20 X 40	3.38	ASM 20 X 40	6.25	ASH 20 X 40	12.50	ASB 20 X 40	20.00		
45	*ASF 20 X 45			1.45	ASL 20 X 45	3.00	ASM 20 X 45	5.56	ASH 20 X 45	11.10	ASB 20 X 45	17.80		
50	*ASF 20 X 50			1.30	ASL 20 X 50	2.70	ASM 20 X 50	5.00	ASH 20 X 50	10.00	ASB 20 X 50	16.00		
55	*ASF 20 X 55			1.18	ASL 20 X 55	2.46	ASM 20 X 55	4.55	ASH 20 X 55	9.10	ASB 20 X 55	14.60		
60	*ASF 20 X 60			1.08	ASL 20 X 60	2.25	ASM 20 X 60	4.17	ASH 20 X 60	8.30	ASB 20 X 60	13.30		
65	*ASF 20 X 65			1.00	ASL 20 X 65	2.08	ASM 20 X 65	3.85	ASH 20 X 65	7.70	ASB 20 X 65	12.30		
70	*ASF 20 X 70			0.93	ASL 20 X 70	1.93	ASM 20 X 70	3.57	ASH 20 X 70	7.10	ASB 20 X 70	11.40		
75	*ASF 20 X 75			0.87	ASL 20 X 75	1.80	ASM 20 X 75	3.34	ASH 20 X 75	6.70	ASB 20 X 75	10.70		
80	*ASF 20 X 80			0.81	ASL 20 X 80	1.69	ASM 20 X 80	3.13	ASH 20 X 80	6.30	ASB 20 X 80	10.00		
90	*ASF 20 X 90			0.72	ASL 20 X 90	1.50	ASM 20 X 90	2.78	ASH 20 X 90	5.60	ASB 20 X 90	8.90		
100	*ASF 20 X 100			0.65	ASL 20 X 100	1.35	ASM 20 X 100	2.50	ASH 20 X 100	5.00	ASB 20 X 100	8.00		
125	*ASF 20 X 125			0.52	ASL 20 X 125	1.08	ASM 20 X 125	2.00	ASH 20 X 125	4.00	ASB 20 X 125	6.40		
150	*ASF 20 X 150			0.43	ASL 20 X 150	0.90	ASM 20 X 150	1.67	ASH 20 X 150	3.30	ASB 20 X 150	5.30		






HENRY®

JIS Die Spring Selection Chart (JIS B 5012 Series)

			 Extra Light Duty Yellow		 Light Duty Blue		 Medium Duty Red		 Heavy Duty Green		 Extra Heavy Duty Brown	
Outer Dia	Inner Dia.	Free Length	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm
mm	mm	mm		Kgf		Kgf		Kgf		Kgf		Kgf
22	11	25	ASF 22 X 25	3.20	ASL 22 X 25	6.70	ASM 22 X 25	12.14	ASH 22 X 25	24.20	ASB 22 X 25	39.00
		30	ASF 22 X 30	2.67	ASL 22 X 30	5.60	ASM 22 X 30	10.12	ASH 22 X 30	20.10	ASB 22 X 30	32.50
		35	ASF 22 X 35	2.29	ASL 22 X 35	4.80	ASM 22 X 35	8.67	ASH 22 X 35	17.30	ASB 22 X 35	27.90
		40	ASF 22 X 40	2.00	ASL 22 X 40	4.20	ASM 22 X 40	7.59	ASH 22 X 40	15.10	ASB 22 X 40	24.40
		45	ASF 22 X 45	1.78	ASL 22 X 45	3.73	ASM 22 X 45	6.74	ASH 22 X 45	13.40	ASB 22 X 45	21.70
		50	ASF 22 X 50	1.60	ASL 22 X 50	3.36	ASM 22 X 50	6.07	ASH 22 X 50	12.10	ASB 22 X 50	19.50
		55	ASF 22 X 55	1.46	ASL 22 X 55	3.06	ASM 22 X 55	5.52	ASH 22 X 55	11.00	ASB 22 X 55	17.70
		60	ASF 22 X 60	1.34	ASL 22 X 60	2.80	ASM 22 X 60	5.06	ASH 22 X 60	10.10	ASB 22 X 60	16.30
		65	ASF 22 X 65	1.23	ASL 22 X 65	2.59	ASM 22 X 65	4.67	ASH 22 X 65	9.30	ASB 22 X 65	15.00
		70	ASF 22 X 70	1.14	ASL 22 X 70	2.40	ASM 22 X 70	4.34	ASH 22 X 70	8.60	ASB 22 X 70	13.90
		75	ASF 22 X 75	1.07	ASL 22 X 75	2.24	ASM 22 X 75	4.05	ASH 22 X 75	8.10	ASB 22 X 75	13.00
		80	ASF 22 X 80	1.00	ASL 22 X 80	2.10	ASM 22 X 80	3.79	ASH 22 X 80	7.60	ASB 22 X 80	12.20
		90	ASF 22 X 90	0.89	ASL 22 X 90	1.87	ASM 22 X 90	3.37	ASH 22 X 90	6.70	ASB 22 X 90	10.80
		100	ASF 22 X 100	0.80	ASL 22 X 100	1.68	ASM 22 X 100	3.03	ASH 22 X 100	6.00	ASB 22 X 100	9.80
		125	ASF 22 X 125	0.64	ASL 22 X 125	1.34	ASM 22 X 125	2.43	ASH 22 X 125	4.80	ASB 22 X 125	7.80
150	ASF 22 X 150	0.53	ASL 22 X 150	1.12	ASM 22 X 150	2.02	ASH 22 X 150	4.00	ASB 22 X 150	6.50		
25	12.5 *(13.5)	25	*ASF 25 X 25	4.00	ASL 25 X 25	8.40	ASM 25 X 25	15.64	ASH 25 X 25	31.30	ASB 25 X 25	49.00
		30	*ASF 25 X 30	3.33	ASL 25 X 30	7.00	ASM 25 X 30	13.03	ASH 25 X 30	26.00	ASB 25 X 30	40.90
		35	*ASF 25 X 35	2.86	ASL 25 X 35	6.00	ASM 25 X 35	11.17	ASH 25 X 35	22.30	ASB 25 X 35	35.00
		40	*ASF 25 X 40	2.50	ASL 25 X 40	5.25	ASM 25 X 40	9.77	ASH 25 X 40	19.50	ASB 25 X 40	30.60
		45	*ASF 25 X 45	2.22	ASL 25 X 45	4.67	ASM 25 X 45	8.69	ASH 25 X 45	17.40	ASB 25 X 45	27.20
		50	*ASF 25 X 50	2.00	ASL 25 X 50	4.20	ASM 25 X 50	7.82	ASH 25 X 50	15.60	ASB 25 X 50	24.50
		55	*ASF 25 X 55	1.82	ASL 25 X 55	3.82	ASM 25 X 55	7.11	ASH 25 X 55	14.20	ASB 25 X 55	22.30
		60	*ASF 25 X 60	1.67	ASL 25 X 60	3.50	ASM 25 X 60	6.52	ASH 25 X 60	13.00	ASB 25 X 60	20.40
		65	*ASF 25 X 65	1.54	ASL 25 X 65	3.23	ASM 25 X 65	6.01	ASH 25 X 65	12.00	ASB 25 X 65	18.90
		70	*ASF 25 X 70	1.43	ASL 25 X 70	3.00	ASM 25 X 70	5.58	ASH 25 X 70	11.20	ASB 25 X 70	17.50
		75	*ASF 25 X 75	1.33	ASL 25 X 75	2.80	ASM 25 X 75	5.21	ASH 25 X 75	10.40	ASB 25 X 75	16.30
		80	*ASF 25 X 80	1.25	ASL 25 X 80	2.63	ASM 25 X 80	4.89	ASH 25 X 80	9.80	ASB 25 X 80	15.30
		90	*ASF 25 X 90	1.11	ASL 25 X 90	2.33	ASM 25 X 90	4.34	ASH 25 X 90	8.70	ASB 25 X 90	13.60
		100	*ASF 25 X 100	1.00	ASL 25 X 100	2.10	ASM 25 X 100	3.91	ASH 25 X 100	7.80	ASB 25 X 100	12.30
		125	*ASF 25 X 125	0.80	ASL 25 X 125	1.68	ASM 25 X 125	3.13	ASH 25 X 125	6.30	ASB 25 X 125	9.80
150	*ASF 25 X 150	0.67	ASL 25 X 150	1.40	ASM 25 X 150	2.61	ASH 25 X 150	5.20	ASB 25 X 150	8.20		
175	*ASF 25 X 175	0.57	ASL 25 X 175	1.20	ASM 25 X 175	2.23	ASH 25 X 175	4.50	ASB 25 X 175	7.00		
200	*ASF 25 X 200	0.50	ASL 25 X 200	1.05	ASM 25 X 200	-	ASH 25 X 200	-	ASB 25 X 200	-		
27	13.5	25	ASF 27 X 25	4.80	ASL 27 X 25	10.01	ASM 27 X 25	18.30	ASH 27 X 25	36.50	ASB 27 X 25	58.00
		30	ASF 27 X 30	4.00	ASL 27 X 30	8.33	ASM 27 X 30	15.25	ASH 27 X 30	30.40	ASB 27 X 30	48.40
		35	ASF 27 X 35	3.43	ASL 27 X 35	7.14	ASM 27 X 35	13.07	ASH 27 X 35	26.10	ASB 27 X 35	41.50
		40	ASF 27 X 40	3.00	ASL 27 X 40	6.25	ASM 27 X 40	11.43	ASH 27 X 40	22.80	ASB 27 X 40	36.30
		45	ASF 27 X 45	2.67	ASL 27 X 45	5.56	ASM 27 X 45	10.16	ASH 27 X 45	20.30	ASB 27 X 45	32.20
		50	ASF 27 X 50	2.40	ASL 27 X 50	5.00	ASM 27 X 50	9.15	ASH 27 X 50	18.30	ASB 27 X 50	29.00
		55	ASF 27 X 55	2.18	ASL 27 X 55	4.55	ASM 27 X 55	8.32	ASH 27 X 55	16.60	ASB 27 X 55	26.40
		60	ASF 27 X 60	2.00	ASL 27 X 60	4.17	ASM 27 X 60	7.62	ASH 27 X 60	15.20	ASB 27 X 60	24.20
		65	ASF 27 X 65	1.85	ASL 27 X 65	3.85	ASM 27 X 65	7.04	ASH 27 X 65	14.00	ASB 27 X 65	22.30
		70	ASF 27 X 70	1.72	ASL 27 X 70	3.57	ASM 27 X 70	6.53	ASH 27 X 70	13.00	ASB 27 X 70	20.70
		75	ASF 27 X 75	1.60	ASL 27 X 75	3.33	ASM 27 X 75	6.10	ASH 27 X 75	12.20	ASB 27 X 75	19.30
		80	ASF 27 X 80	1.50	ASL 27 X 80	3.13	ASM 27 X 80	5.72	ASH 27 X 80	11.40	ASB 27 X 80	18.10
		90	ASF 27 X 90	1.33	ASL 27 X 90	2.78	ASM 27 X 90	5.08	ASH 27 X 90	10.10	ASB 27 X 90	16.10
		100	ASF 27 X 100	1.20	ASL 27 X 100	2.50	ASM 27 X 100	4.57	ASH 27 X 100	9.10	ASB 27 X 100	14.50
		125	ASF 27 X 125	0.96	ASL 27 X 125	2.00	ASM 27 X 125	3.66	ASH 27 X 125	7.30	ASB 27 X 125	11.60
150	ASF 27 X 150	0.80	ASL 27 X 150	1.67	ASM 27 X 150	3.05	ASH 27 X 150	6.10	ASB 27 X 150	9.70		
175	ASF 27 X 175	0.69	ASL 27 X 175	1.43	ASM 27 X 175	2.61	ASH 27 X 175	5.20	ASB 27 X 175	8.30		
200	ASF 27 X 200	0.60	ASL 27 X 200	1.25	ASM 27 X 200	-	ASH 27 X 200	-	ASB 27 X 200	-		






HENRY®

JIS Die Spring Selection Chart (JIS B 5012 Series)

												
			Extra Light Duty Yellow		Light Duty Blue		Medium Duty Red		Heavy Duty Green		Extra Heavy Duty Brown	
Outer Dia	Inner Dia.	Free Length	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm
mm	mm	mm		Kgf		Kgf		Kgf		Kgf		Kgf
30	15 *(16)	25	*ASF 30 X 25	5.80	ASL 30 X 25	12.13	ASM 30 X 25	22.52	ASH 30 X 25	45.00	ASB 30 X 25	72.00
		30	*ASF 30 X 30	4.84	ASL 30 X 30	10.11	ASM 30 X 30	18.76	ASH 30 X 30	37.50	ASB 30 X 30	60.00
		35	*ASF 30 X 35	4.15	ASL 30 X 35	8.66	ASM 30 X 35	16.08	ASH 30 X 35	32.10	ASB 30 X 35	51.50
		40	*ASF 30 X 40	3.63	ASL 30 X 40	7.58	ASM 30 X 40	14.07	ASH 30 X 40	28.10	ASB 30 X 40	45.00
		45	*ASF 30 X 45	3.22	ASL 30 X 45	6.74	ASM 30 X 45	12.51	ASH 30 X 45	25.00	ASB 30 X 45	40.00
		50	*ASF 30 X 50	2.90	ASL 30 X 50	6.07	ASM 30 X 50	11.26	ASH 30 X 50	22.50	ASB 30 X 50	36.00
		55	*ASF 30 X 55	2.64	ASL 30 X 55	5.51	ASM 30 X 55	10.23	ASH 30 X 55	20.50	ASB 30 X 55	32.70
		60	*ASF 30 X 60	2.42	ASL 30 X 60	5.05	ASM 30 X 60	9.38	ASH 30 X 60	18.80	ASB 30 X 60	30.00
		65	*ASF 30 X 65	2.23	ASL 30 X 65	4.67	ASM 30 X 65	8.66	ASH 30 X 65	17.30	ASB 30 X 65	27.70
		70	*ASF 30 X 70	2.07	ASL 30 X 70	4.33	ASM 30 X 70	8.04	ASH 30 X 70	16.10	ASB 30 X 70	25.70
		75	*ASF 30 X 75	1.93	ASL 30 X 75	4.04	ASM 30 X 75	7.51	ASH 30 X 75	15.00	ASB 30 X 75	24.00
		80	*ASF 30 X 80	1.81	ASL 30 X 80	3.79	ASM 30 X 80	7.04	ASH 30 X 80	14.10	ASB 30 X 80	22.50
		90	*ASF 30 X 90	1.61	ASL 30 X 90	3.37	ASM 30 X 90	6.25	ASH 30 X 90	12.50	ASB 30 X 90	20.00
		100	*ASF 30 X 100	1.45	ASL 30 X 100	3.03	ASM 30 X 100	5.63	ASH 30 X 100	11.30	ASB 30 X 100	18.00
		125	*ASF 30 X 125	1.16	ASL 30 X 125	2.43	ASM 30 X 125	4.50	ASH 30 X 125	9.00	ASB 30 X 125	14.40
		150	*ASF 30 X 150	0.97	ASL 30 X 150	2.02	ASM 30 X 150	3.75	ASH 30 X 150	7.50	ASB 30 X 150	12.00
175	*ASF 30 X 175	0.83	ASL 30 X 175	1.73	ASM 30 X 175	3.22	ASH 30 X 175	6.40	ASB 30 X 175	10.30		
200	*ASF 30 X 200	0.73	ASL 30 X 200	1.52	ASM 30 X 200	2.81	ASH 30 X 200	5.60	ASB 30 X 200	9.00		
35	17.5 *(19)	40	*ASF 35 X 40	4.88	ASL 35 X 40	10.32	ASM 35 X 40	19.15	ASH 35 X 40	38.30	ASB 35 X 40	61.30
		45	*ASF 35 X 45	4.34	ASL 35 X 45	9.17	ASM 35 X 45	17.03	ASH 35 X 45	34.00	ASB 35 X 45	54.50
		50	*ASF 35 X 50	3.90	ASL 35 X 50	8.26	ASM 35 X 50	15.32	ASH 35 X 50	30.50	ASB 35 X 50	49.00
		55	*ASF 35 X 55	3.55	ASL 35 X 55	7.51	ASM 35 X 55	13.93	ASH 35 X 55	27.80	ASB 35 X 55	44.60
		60	*ASF 35 X 60	3.25	ASL 35 X 60	6.88	ASM 35 X 60	12.77	ASH 35 X 60	25.50	ASB 35 X 60	40.90
		65	*ASF 35 X 65	3.00	ASL 35 X 65	6.35	ASM 35 X 65	11.79	ASH 35 X 65	23.50	ASB 35 X 65	37.70
		70	*ASF 35 X 70	2.79	ASL 35 X 70	5.90	ASM 35 X 70	10.94	ASH 35 X 70	21.80	ASB 35 X 70	35.00
		75	*ASF 35 X 75	2.60	ASL 35 X 75	5.50	ASM 35 X 75	10.22	ASH 35 X 75	20.40	ASB 35 X 75	32.70
		80	*ASF 35 X 80	2.44	ASL 35 X 80	5.16	ASM 35 X 80	9.58	ASH 35 X 80	19.10	ASB 35 X 80	30.60
		90	*ASF 35 X 90	2.17	ASL 35 X 90	4.59	ASM 35 X 90	8.51	ASH 35 X 90	17.00	ASB 35 X 90	27.20
		100	*ASF 35 X 100	1.95	ASL 35 X 100	4.13	ASM 35 X 100	7.66	ASH 35 X 100	15.30	ASB 35 X 100	24.50
		125	*ASF 35 X 125	1.56	ASL 35 X 125	3.30	ASM 35 X 125	6.13	ASH 35 X 125	12.20	ASB 35 X 125	19.60
		150	*ASF 35 X 150	1.30	ASL 35 X 150	2.75	ASM 35 X 150	5.11	ASH 35 X 150	10.20	ASB 35 X 150	16.30
		175	*ASF 35 X 175	1.12	ASL 35 X 175	2.36	ASM 35 X 175	4.38	ASH 35 X 175	8.70	ASB 35 X 175	14.00
		200	*ASF 35 X 200	0.98	ASL 35 X 200	2.06	ASM 35 X 200	3.83	ASH 35 X 200	7.60	ASB 35 X 200	12.30
		40	20 *(22)	40	*ASF 40 X 40	6.38	ASL 40 X 40	13.50	ASM 40 X 40	25.02	ASH 40 X 40	50.00
45	*ASF 40 X 45			5.67	ASL 40 X 45	12.02	ASM 40 X 45	22.24	ASH 40 X 45	44.50	ASB 40 X 45	71.20
50	*ASF 40 X 50			5.10	ASL 40 X 50	10.82	ASM 40 X 50	20.01	ASH 40 X 50	40.00	ASB 40 X 50	64.00
55	*ASF 40 X 55			4.64	ASL 40 X 55	9.83	ASM 40 X 55	18.19	ASH 40 X 55	36.40	ASB 40 X 55	58.20
60	*ASF 40 X 60			4.25	ASL 40 X 60	9.01	ASM 40 X 60	16.68	ASH 40 X 60	33.40	ASB 40 X 60	53.40
65	*ASF 40 X 65			3.93	ASL 40 X 65	8.32	ASM 40 X 65	15.39	ASH 40 X 65	30.80	ASB 40 X 65	49.30
70	*ASF 40 X 70			3.65	ASL 40 X 70	7.73	ASM 40 X 70	14.30	ASH 40 X 70	28.60	ASB 40 X 70	45.70
75	*ASF 40 X 75			3.40	ASL 40 X 75	7.21	ASM 40 X 75	13.34	ASH 40 X 75	26.70	ASB 40 X 75	42.70
80	*ASF 40 X 80			3.19	ASL 40 X 80	6.76	ASM 40 X 80	12.51	ASH 40 X 80	25.00	ASB 40 X 80	40.00
90	*ASF 40 X 90			2.84	ASL 40 X 90	6.01	ASM 40 X 90	11.12	ASH 40 X 90	22.20	ASB 40 X 90	35.60
100	*ASF 40 X 100			2.55	ASL 40 X 100	5.41	ASM 40 X 100	10.01	ASH 40 X 100	20.00	ASB 40 X 100	32.00
125	*ASF 40 X 125			2.04	ASL 40 X 125	4.33	ASM 40 X 125	8.01	ASH 40 X 125	16.00	ASB 40 X 125	25.60
150	*ASF 40 X 150			1.70	ASL 40 X 150	3.61	ASM 40 X 150	6.67	ASH 40 X 150	13.30	ASB 40 X 150	21.30
175	*ASF 40 X 175			1.46	ASL 40 X 175	3.09	ASM 40 X 175	5.72	ASH 40 X 175	11.40	ASB 40 X 175	18.30
200	*ASF 40 X 200			1.28	ASL 40 X 200	2.70	ASM 40 X 200	5.00	ASH 40 X 200	10.00	ASB 40 X 200	16.00
225	*ASF 40 X 225			1.13	ASL 40 X 225	2.40	ASM 40 X 225	4.45	ASH 40 X 225	8.90	ASB 40 X 225	14.20
250	*ASF 40 X 250	1.02	ASL 40 X 250	2.16	ASM 40 X 250	4.00	ASH 40 X 250	8.00	ASB 40 X 250	12.80		
275	*ASF 40 X 275	0.93	ASL 40 X 275	1.96	ASM 40 X 275	3.64	ASH 40 X 275	7.30	ASB 40 X 275	11.60		
300	*ASF 40 X 300	0.85	ASL 40 X 300	1.80	ASM 40 X 300	3.34	ASH 40 X 300	6.70	ASB 40 X 300	10.70		

HENRY®

JIS Die Spring Selection Chart (JIS B 5012 Series)

												
		Extra Light Duty Yellow		Light Duty Blue		Medium Duty Red		Heavy Duty Green		Extra Heavy Duty Brown		
Outer Dia.	Inner Dia.	Free Length	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm	Catalog Number	Load at 1mm
mm	mm	mm		Kgf		Kgf		Kgf		Kgf		Kgf
50	25 *(27.5)	50	ASF 50 X 50	8.01	ASL 50 X 50	16.90	ASM 50 X 50	31.31	ASH 50 X 50	62.50	ASB 50 X 50	100.10
		55	ASF 50 X 55	7.28	ASL 50 X 55	15.40	ASM 50 X 55	28.43	ASH 50 X 55	56.90	ASB 50 X 55	91.00
		60	ASF 50 X 60	6.67	ASL 50 X 60	14.12	ASM 50 X 60	26.06	ASH 50 X 60	52.10	ASB 50 X 60	83.40
		65	ASF 50 X 65	6.16	ASL 50 X 65	13.03	ASM 50 X 65	24.06	ASH 50 X 65	48.10	ASB 50 X 65	77.00
		70	ASF 50 X 70	5.72	ASL 50 X 70	12.10	ASM 50 X 70	22.34	ASH 50 X 70	44.70	ASB 50 X 70	71.50
		75	ASF 50 X 75	5.34	ASL 50 X 75	11.29	ASM 50 X 75	20.85	ASH 50 X 75	41.70	ASB 50 X 75	66.70
		80	ASF 50 X 80	5.00	ASL 50 X 80	10.59	ASM 50 X 80	19.54	ASH 50 X 80	39.10	ASB 50 X 80	62.50
		90	ASF 50 X 90	4.45	ASL 50 X 90	9.41	ASM 50 X 90	17.37	ASH 50 X 90	34.70	ASB 50 X 90	55.60
		100	ASF 50 X 100	4.00	ASL 50 X 100	8.47	ASM 50 X 100	15.64	ASH 50 X 100	31.30	ASB 50 X 100	50.00
		125	ASF 50 X 125	3.20	ASL 50 X 125	6.78	ASM 50 X 125	12.51	ASH 50 X 125	25.00	ASB 50 X 125	40.00
		150	ASF 50 X 150	2.67	ASL 50 X 150	5.65	ASM 50 X 150	10.42	ASH 50 X 150	20.80	ASB 50 X 150	33.40
		175	ASF 50 X 175	2.29	ASL 50 X 175	4.84	ASM 50 X 175	8.93	ASH 50 X 175	17.90	ASB 50 X 175	28.60
		200	ASF 50 X 200	2.00	ASL 50 X 200	4.23	ASM 50 X 200	7.82	ASH 50 X 200	15.60	ASB 50 X 200	25.00
		225	ASF 50 X 225	1.78	ASL 50 X 225	3.76	ASM 50 X 225	6.95	ASH 50 X 225	13.90	ASB 50 X 225	22.20
		250	ASF 50 X 250	1.60	ASL 50 X 250	3.39	ASM 50 X 250	6.25	ASH 50 X 250	12.50	ASB 50 X 250	20.00
		275	ASF 50 X 275	1.46	ASL 50 X 275	3.08	ASM 50 X 275	5.69	ASH 50 X 275	11.40	ASB 50 X 275	18.20
		300	ASF 50 X 300	1.33	ASL 50 X 300	2.82	ASM 50 X 300	5.21	ASH 50 X 300	10.40	ASB 50 X 300	16.70
		350	ASF 50 X 350	1.14	ASL 50 X 350	2.42	ASM 50 X 350	4.47	ASH 50 X 350	8.90	ASB 50 X 350	14.30
		400	ASF 50 X 400	1.00	ASL 50 X 400	-	ASM 50 X 400	-	ASH 50 X 400	-	ASB 50 X 400	-
		450	ASF 50 X 450	0.89	ASL 50 X 450	-	ASM 50 X 450	-	ASH 50 X 450	-	ASB 50 X 450	-
500	ASF 50 X 500	0.80	ASL 50 X 500	-	ASM 50 X 500	-	ASH 50 X 500	-	ASB 50 X 500	-		
60	30 *(33)	60	*ASF 60 X 60	9.59	ASL 60 X 60	20.30	ASM 60 X 60	37.50	ASH 60 X 60	75.10	ASB 60 X 60	120.10
		70	*ASF 60 X 70	8.22	ASL 60 X 70	17.40	ASM 60 X 70	32.14	ASH 60 X 70	64.30	ASB 60 X 70	102.90
		80	*ASF 60 X 80	7.19	ASL 60 X 80	15.23	ASM 60 X 80	28.13	ASH 60 X 80	56.30	ASB 60 X 80	90.10
		90	*ASF 60 X 90	6.39	ASL 60 X 90	13.53	ASM 60 X 90	25.00	ASH 60 X 90	50.00	ASB 60 X 90	80.10
		100	*ASF 60 X 100	5.75	ASL 60 X 100	12.18	ASM 60 X 100	22.50	ASH 60 X 100	45.00	ASB 60 X 100	72.00
		125	*ASF 60 X 125	4.60	ASL 60 X 125	9.74	ASM 60 X 125	18.00	ASH 60 X 125	36.00	ASB 60 X 125	57.60
		150	*ASF 60 X 150	3.84	ASL 60 X 150	8.12	ASM 60 X 150	15.00	ASH 60 X 150	30.00	ASB 60 X 150	48.00
		175	*ASF 60 X 175	3.29	ASL 60 X 175	6.96	ASM 60 X 175	12.86	ASH 60 X 175	25.70	ASB 60 X 175	41.20
		200	*ASF 60 X 200	2.88	ASL 60 X 200	6.09	ASM 60 X 200	11.25	ASH 60 X 200	22.50	ASB 60 X 200	36.00
		250	*ASF 60 X 250	2.30	ASL 60 X 250	4.87	ASM 60 X 250	9.00	ASH 60 X 250	18.00	ASB 60 X 250	28.80
		300	*ASF 60 X 300	1.92	ASL 60 X 300	4.06	ASM 60 X 300	7.50	ASH 60 X 300	15.00	ASB 60 X 300	24.00
		350	*ASF 60 X 350	1.64	ASL 60 X 350	3.48	ASM 60 X 350	6.43	ASH 60 X 350	12.90	ASB 60 X 350	20.60
		400	*ASF 60 X 400	1.44	ASL 60 X 400	-	ASM 60 X 400	-	ASH 60 X 400	-	ASB 60 X 400	-
		450	*ASF 60 X 450	1.28	ASL 60 X 450	-	ASM 60 X 450	-	ASH 60 X 450	-	ASB 60 X 450	-
500	ASF 60 X 500	1.15	ASL 60 X 500	-	ASM 60 X 500	-	ASH 60 X 500	-	ASB 60 X 500	-		
70	38.5	70	ASF 70 X 70	11.44	ASL 70 X 70	21.80	ASM 70 X 70	37.97	ASH 70 X 70	77.40	ASB 70 X 70	128.70
		80	ASF 70 X 80	10.01	ASL 70 X 80	19.08	ASM 70 X 80	33.23	ASH 70 X 80	67.80	ASB 70 X 80	112.60
		90	ASF 70 X 90	8.89	ASL 70 X 90	16.69	ASM 70 X 90	29.53	ASH 70 X 90	60.20	ASB 70 X 90	100.10
		100	ASF 70 X 100	8.01	ASL 70 X 100	15.26	ASM 70 X 100	26.58	ASH 70 X 100	54.20	ASB 70 X 100	90.10
		125	ASF 70 X 125	6.40	ASL 70 X 125	12.21	ASM 70 X 125	21.26	ASH 70 X 125	43.40	ASB 70 X 125	72.00
		150	ASF 70 X 150	5.34	ASL 70 X 150	10.17	ASM 70 X 150	17.72	ASH 70 X 150	36.10	ASB 70 X 150	60.00
		175	ASF 70 X 175	4.57	ASL 70 X 175	8.72	ASM 70 X 175	15.19	ASH 70 X 175	31.00	ASB 70 X 175	51.50
		200	ASF 70 X 200	4.00	ASL 70 X 200	7.63	ASM 70 X 200	13.29	ASH 70 X 200	27.10	ASB 70 X 200	45.00
		250	ASF 70 X 250	3.20	ASL 70 X 250	6.10	ASM 70 X 250	10.63	ASH 70 X 250	21.70	ASB 70 X 250	36.00
		300	ASF 70 X 300	2.67	ASL 70 X 300	5.09	ASM 70 X 300	8.86	ASH 70 X 300	18.10	ASB 70 X 300	30.00
		350	ASF 70 X 350	2.29	ASL 70 X 350	4.36	ASM 70 X 350	7.59	ASH 70 X 350	15.50	ASB 70 X 350	25.70

*For ASF Series The Following IDs In Parenthesis () Apply - 10 *(11) / 12.5 *(13.5) / 15 *(16) / 17.5 *(19) / 20 *(22) / 25 *(27.5) / 30 *(33)