

FIG. 1

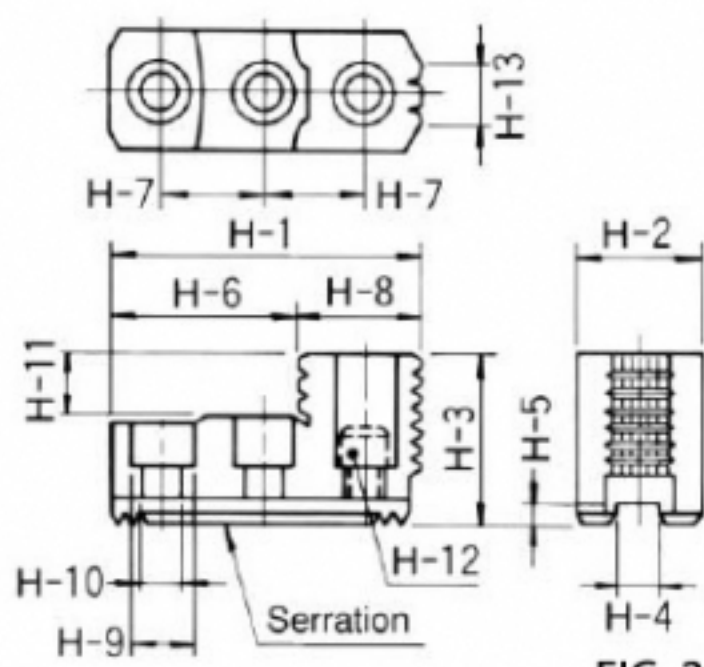


FIG. 2

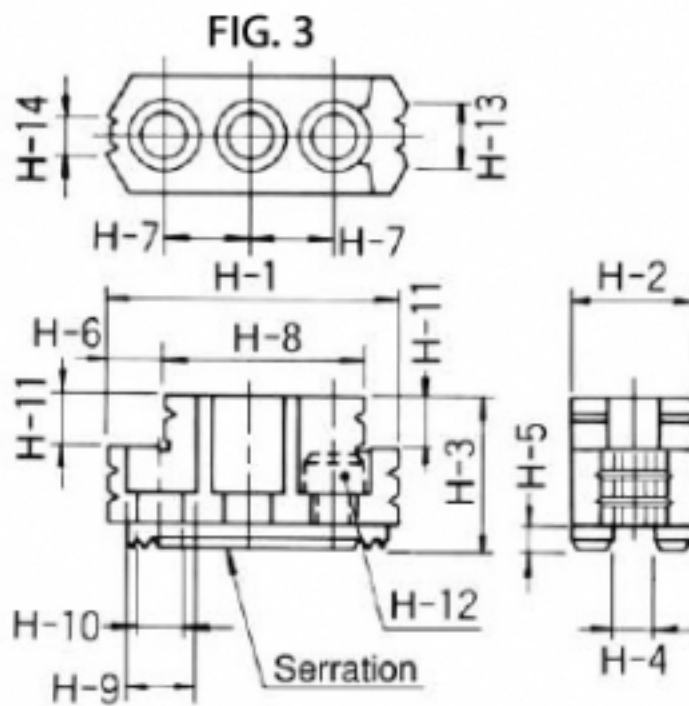


FIG. 3

Hard Jaw Dimensions

Hard Jaw TYPE	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8
HB04N1	46	19	23	8	3	15	15	23.5
HB04N1	53	23	27.5	10	4	30.5	14	22.5
HB05C1	55.5	23	31	10	3	22.5	18	21.5
HB05C1	61	23	30	10	4	7.5	19	53.5
HB06B1	67.5	31	35	12	5	13	20	46
HB08A1	86	35	51	14	5	31	25	18
HB08B1	92	35	51	14	5	7	25	68
HB10A1	99.5	40	54	16	5	43	30	17
HB10AA1	102.5	40	54	16	5	43	30	17
HB12B1	97.5	50	55	18	5	64.5	30	33
HB12C1	113	50	50	18	5	69.5	38	43.5
HB12N1	103	50	52	21	4	62.5	30	40.5
HB15A1	149	62	86	22	8	63	43	34
HB15B1	141.75	70	77.5	22	8	87.75	43	54
HB15N1	149	62	86	25.5	5	69	43	27
HB18B2	159.5	80	90	25	9	104.5	50	55
HB24B2	183.5	90	105	25	9	116.5	60	67
HB06U1	69.5	35	48	14	5	34	19	18
HB08U1	79.25	40	42	16	5	35.25	21	44
HB12U1	107.25	45	50	18	5	56.75	30	50.5
HB16U2	138.5	60	71	22	9	76.5	43	62
HB20U2	203	65	80	25	9	153	50	50
HB31U2	250	75	80	25	9	200	60	50
Hard Jaw TYPE	H-9	H-10	H-11	H-12	H-13	H-14	Serration pitch	Ref. DWG.
HB04N1	11	6.6	9	M 6	6	—	1.5	3
HB04N1	13.5	8.5	10	M 8	6	—	1.5	2
HB05C1	13.5	8.5	14	M 8	6	—	1.5	3
HB05C1	13.5	8.5	12	M 8	6	—	1.5	2
HB06B1	17	11	12	M10	16	10	1.5	3
HB08A1	19	13	12	M12	12	12	1.5	1
HB08B1	19	13	18	M12	11	11	1.5	3
HB10A1	19	13	13	M12	15	15	1.5	1
HB10AA1	19	13	13	M12	15	15	1.5	1
HB12B1	23	15	20	M14	30	—	1.5	2
HB12C1	22	15	20	M14	18	—	1.5	2
HB12N1	25	17	17	M16	30	—	1.5	2
HB15A1	32	21	20	M20	40	40	1.5	1
HB15B1	32	21	30	M20	50	—	1.5	2
HB15N1	32	21	20	M20	43	38	1.5	1
HB18B2	32	21	40	M20	55	—	3.0	2
HB24B2	32	21	50	M20	76	—	3.0	2
HB06U1	19	13	12	M12	12	20	1.5	1
HB08U1	19	13	14	M12	12	—	1.5	2
HB12U1	22	15	20	M14	25	—	1.5	2
HB16U2	32	21	26	M20	35	—	3.0	2
HB20U2	32	21	32	M20	55	—	3.0	2
HB31U2	32	21	28	M20	60	—	3.0	2