

Trapezoidal Shank Hooks

IS: 3815 / 1969

Standard Trapezoidal section point Hooks with Shank

Note - Undercut according to IS - 1369 - 1961

*Calculating formulae for C:

For MS, $C = 26.73\sqrt{P}$

For HS, $C = 23.17\sqrt{P}$

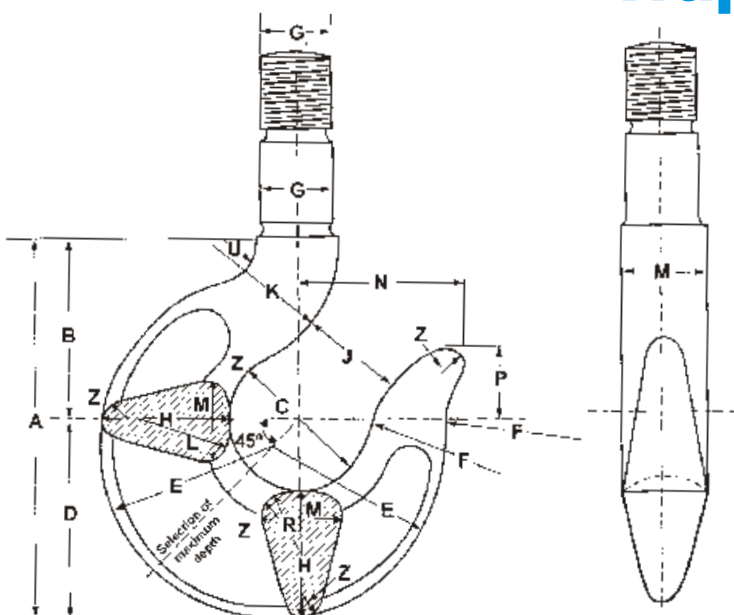
#Machined shank diameter (Min)

❖ See IS: 4218-1967 ISO metric screw threads

\$ Boundary dimensions of rolling bearings for general engineering purposes.

MS = Mild Steel

HS = High Tensile Steel



Dimensions of screw thread run outs and undercuts

W S.W.L. Tons	P Tons Proof Load	A (2.75C)	B (1.31C)	C*	D (1.44C)	E (1.25C)	F (1.00C)	G*	Thread*		H (0.93C)	J (0.75C)	K (0.92C)	L (0.70C)	M (0.60C)	N (1.20C)	P (0.50C)	R (0.50C)	U (0.30C)	Z (0.12C)	Ball Bearing To IS:2313 - 1963 ^s				
									Nominal Size G1	Pitch											Bore	Series	Outside Dia.	Width	
0.5	1	MS	74	35	27	39	34	27	15	M14	25	20	25	MS	19	16	32	14	14	8	3	15	11	28	9
		HS	63	38	23	33	29	23	12	M12															
1.0	2	MS	105	50	38	55	48	38	20	M20	35	28	35	MS	27	23	46	19	19	11	5	20	11	35	10
		HS	91	43	33	48	41	33	20	M18															
2.0	4	MS	145	69	53	76	66	53	30	M27	49	40	49	MS	37	32	64	26	26	16	6	30	12	52	16
		HS	126	60	46	66	58	46	25	M24															
3.2	6.4	MS	187	89	68	98	85	68	35	M33	63	51	63	MS	48	41	82	34	34	20	8	35	13	68	24
		HS	162	77	59	85	74	59	30	M30															
5.0	10	MS	233	111	85	122	106	85	45	M42	79	64	78	MS	60	51	102	42	42	26	10	45	13	85	28
		HS	201	96	73	105	91	73	40	M30															
8.0	16	MS	294	140	107	154	134	109	55	M52	100	80	98	MS	75	64	128	54	54	32	13	55	13	105	35
		HS	256	122	93	134	116	93	50	M48															
10.0	20	MS	327	156	119	171	149	119	60	M60	111	89	109	MS	83	71	143	60	60	36	14	60	13	110	35
		HS	286	136	104	150	130	104	55	M52															
12.0	25	MS	369	176	134	193	168	134	70	M68	125	100	123	MS	94	80	161	67	67	40	16	70	13	125	40
		HS	319	152	116	167	145	116	60	M60															
16.0	32	MS	415	198	151	217	189	151	80	M76	140	113	139	MS	106	91	181	76	76	45	18	80	13	140	44
		HS	360	171	131	189	164	131	70	M68															
20.0	40	MS	465	221	169	243	211	169	85	M80	157	127	155	MS	118	101	203	84	84	51	20	85	13	150	49
		HS	404	193	147	211	184	147	80	M72															
25.0	50	MS	520	248	189	272	236	189	100	M90	176	142	174	MS	132	113	227	94	94	57	23	100	13	190	63
		HS	451	215	164	236	205	164	85	M80															
32.0	60	MS	569	271	207	298	259	207	110	M100	193	155	191	MS	145	124	248	104	104	62	25	110	13	210	70
		HS	481	229	175	252	219	175	100	M90															
40.0	70	MS	616	293	224	323	280	224	120	M110	208	168	206	MS	157	134	268	112	112	67	27	120	13	210	70
		HS	533	254	194	279	242	194	110	M100															
50.0	85	MS	680	324	247	356	309	247	130	M120	229	187	227	MS	173	148	296	124	124	74	30	130	13	225	75
		HS	588	280	214	308	268	214	120	M110															

All dimensions in mm

Specifications given are indicative and are subject to change.