

EXTRACTING THE ESSENCE OF TECHNOLOGY



**FOR TOUGH & SMOOTH
PERFORMANCE**

Meritt

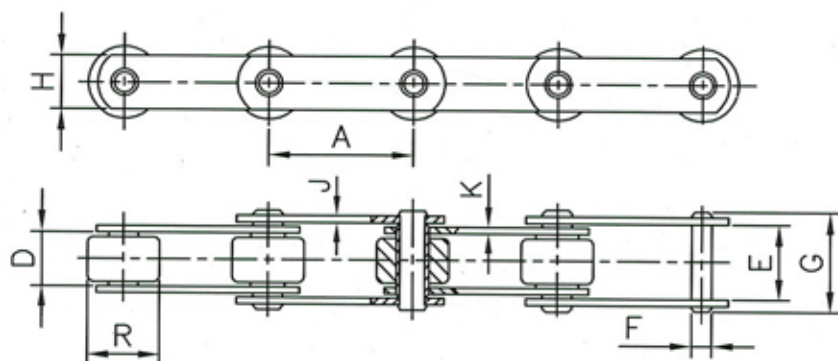
PALM OIL MILL CHAINS

MERITT PALM OIL

Meritt palm oil mill chains are best known for cost effectiveness with reliability of strength. They are manufactured from careful selection of material and precisely heat treated to make them durable. They have improved fatigue resistance, reduced replacement cost, and are available within a short delivery period.

Meritt chains are running successfully in various palm oil mills of South East Asia.

CONVEYOR CHAIN (BRITISH STANDARDS) SOLID PIN CHAIN

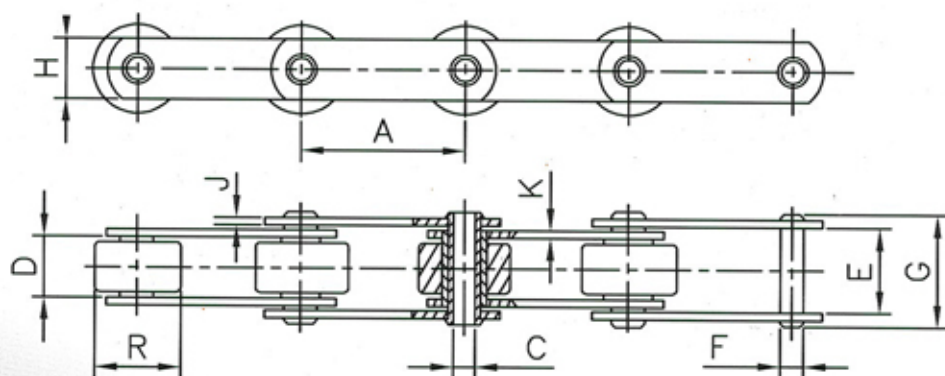


ALL DIMENSIONS ARE IN mm

Meritt Chain No.	Breaking Load		Pitch		Roller dia	Inside Width Inner	Inside Width Outer	Pin dia	Length	Plate Height	Thk. Outer	Thk. Inner
			Inch	mm								
	lbf	Kg	A	A	R	D	E	F	G	H	J	K
M-7 S x 4	7500	3500	4.0	101.6	31.75	15.0	25.4	14.0	38.0	25.4	4	4
M-15 S x 4	15000	6800	4.0	101.6	47.62	19.0	32.5	19.0	46.0	38.1	4	5
M-15 S x 6	15000	6800	6.0	152.4	47.62	19.0	32.5	19.0	46.0	38.1	4	5
M-30 S x 4	30000	13500	4.0	101.6	66.7	25.4	43.0	26.9	60.0	50.0	6	8
M-30 S x 6	30000	13500	6.0	152.4	66.7	25.4	43.0	26.9	60.0	50.0	6	8
M-45 S x 6	45000	20500	6.0	152.4	88.9	38.1	59.0	31.8	82.0	62.0	8	10

Note : Above chains are also available with K1/K2 attachments. Other pitches chains are also available.

HOLLOW PIN CHAIN



ALL DIMENSIONS ARE IN mm

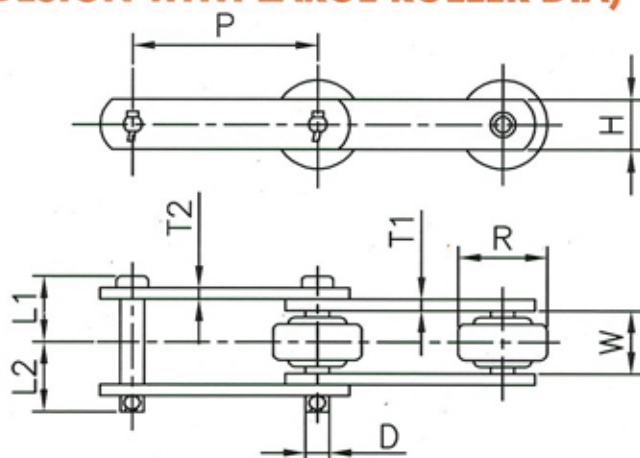
Meritt Chain No.	Breaking Load		Pitch		Roller dia	Hollow Bearing Pin Bore dia	Inside Width Inner	Inside Width Outer	Pin dia	Length	Plate Height	Thk. Outer	Thk. Inner
			Inch	mm									
	lbf	Kg	A	A	R	C	D	E	F	G	H	J	K
M-12 H x 4	12000	5500	4.0	101.6	47.62	13.2	19.0	32.5	19.0	44.0	38.1	4.0	5.0
M-24 H x 6	24000	11000	6.0	152.4	66.7	20.1	25.4	45.0	26.9	61.0	50.0	6.0	8.0
M-36 H x 6	36000	16500	6.0	152.4	88.9	23.1	38.1	59.0	31.8	79.5	62.0	8.0	10.0

Note : Other pitches chains are also available.

MILL CHAINS



NEW SERIES CONVEYOR CHAINS (SMALL PIN DESIGN WITH LARGE ROLLER DIA)

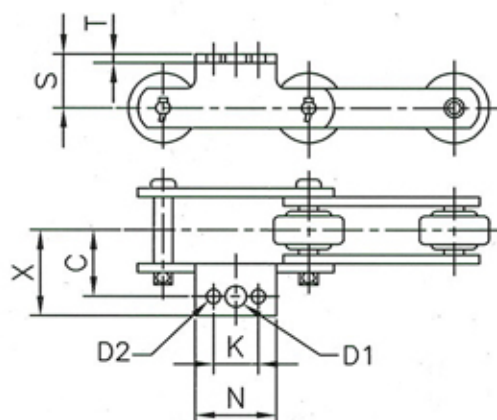


ALL DIMENSIONS ARE IN mm

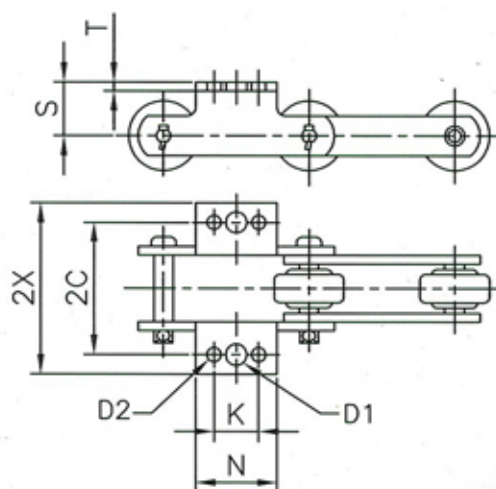
Meritt Chain No	Average Tensile Strength Kg	Pitch P	W	R	D	L1	L2	H	T1	T2	Weight Kg./M
M-90 R	8200	101.6	21.4	47.6	11.3	25	28.5	32	5	5	6.1
M-94 R	11500	101.6	30.0	50.8	14.5	33	36.0	38	6	6	10.0
M-604 R	11500	152.4	30.0	50.8	14.5	33	36.0	38	6	6	7.9
M-150040 R	11500	101.6	18.4	47.6	11.3	25	28.5	38	6	5	6.8
M-5100 R*	7000	100.0	22.0	40.0	11.3	25	28.5	32	5	5	5.0

*Chain No. M-5100 R is rivetted construction

A-2/K-2, A-3/K-3 ATTACHMENT



A-3 ATTACHMENT



K-3 ATTACHMENT

ALL DIMENSIONS ARE IN mm

Meritt Chain No	C	X	K	N	D1	D2	S	T	ATTACHMENTS
M-90 R	44.5	62.0	31.8	63.5	13.9	10.7	31.8	5.0	A-3, K-3
M-94 R	44.5	70.0	31.8	71.6	-	10.7	31.8	6.0	A-2, K-2
M-150040 R	44.45	61.7	31.8	71.6	13.9	10.7	31.8	6.0	A-3, K-3
M-5100 R	35.0	56.5	40.0	65.0	-	10.0	32.0	5.0	A-2, K-2

Note: Other pitches chains are also available.

PALM OIL MILL CHAINS

TEST RESULTS

RELIABLE TESTING SERVICES

On approved list of various Government departments & leading inspection agencies

Unit No. 59, Bindal Industrial Estate, Kurla-Andheri Road, Sakinaka, Mumbai - 400 072
 PHYSICAL, CHEMICAL & CORROSION TESTING OF METALS & WELDS
 T.C.No. 5878
 Date 26/02/2000

M/s Meritt Transmissions
 Ref.Dtd. 25/02/2000
 Testing of 4" pitch 15,000 lbs chain. Contain 5 link

LOAD TEST :-
 Break load
 Remark

9800kgf (21500 lbs)
 Inner Link Broken

Manager

4" p x 15,000 lbs solid pin chain

Managing Director
 VIRENDRA K. BAFNA
 S.E. M. Eng. (Canada)
 M.S.E.M. (U.S.A.)
 M.A.S.T.M.

HEAD OFFICE
 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

RELIABLE TESTING SERVICES

On approved list of various Government departments & leading inspection agencies

Unit No. 59, Bindal Industrial Estate, Kurla-Andheri Road, Sakinaka, Mumbai - 400 072
 PHYSICAL, CHEMICAL & CORROSION TESTING OF METALS & WELDS
 T.C.No. 2262
 Date: 10/04/99

M/s Meritt Transmissions
 Ref. Dtd. 09/04/99
 Testing of Link Chain.

6" Pitch 30,000 lbs chain Sample.

Ultimate Tensile
 Break Load
 Remark

19500 kgf (42,900 lbs)
 Inner Plate Broken

Chemist

6" p x 30,000 lbs solid pin chain

TCR ENGINEERING SERVICES PRIVATE LIMITED

ENGINEERING MATERIAL TESTING, CERTIFICATION, INSPECTION,
 SAMPLING, SURVEYING & STANDARDISATION, PHYSICAL,
 CHEMICAL & METALLURGICAL TESTING.

IRON, STEEL, NON-FERROUS METALS & ALLOYS ETC.
 FOUNDRY CASTINGS, FABRICATIONS & WELDS ETC.
 BUILDING MATERIALS, SAND, CEMENT, CONCRETE ETC.
 S.P. & U.L. TESTING ETC.
 ON APPROVED LIST OF VARIOUS GOVT. DEPARTMENTS, ISI &
 PUBLIC SECTOR UNDERSTANDING

TEST CERTIFICATE

Date: 05/01/99

Ref: T-0/2571

To: M/s MERITT TRANSMISSIONS,
 MUMBAI

TESTING OF 3-PITCH CONVEYER ROLLER CHAIN SAMPLE.
 Refs:- NO. 226/CXC/99 DTD. 3.1.99
 LINKS:- 30x5mmH-EN-9, ROLLERS:- 1.7/8" EN-8 H&T
 H&T, PINS:- 19mmH-2mm HOLLOW EN-8 H&T

Breaking Load(kgs) :-
 Fracture

7000 (17166 lbs)
 In Inner Link

MANAGING DIRECTOR

3" p x 12,000 lbs hollow pin chain



All the chains are available with A-1, K-1, A-2, K-2 attachments and all types of Sprockets



Distributed by :

Meritt

T.R.A.N.S.M.I.S.S.I.O.N.S

157/159, Narayan Dhuru Street,
 Behind Nagdevi Street, Mumbai - 400 003, INDIA
 Telephone : 344 4956 / 344 2857 / 342 8342
 Fax : 91-22-341 4107 / 407 8268
 E-mail : meritttransmissions@vsnl.net
 Web Site : www.meritttransmissions.com

In accordance with the quality policy of Meritt Transmissions to constantly improve its products, specifications in this catalogue are subject to change without prior notice