Flame Cut Sprockets

NSPT has series of engineered conveying sprockets and matching conveying chains of different varieties. We manufacture engineered sprockets with and without hub, finished bore or taper bore. (All pitches are within 6" and maximum diameter is 80".)

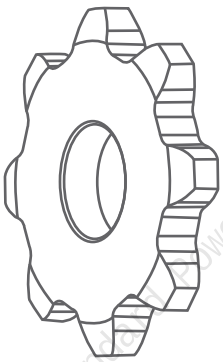


NSPT engineered conveying sprockets are made of high quality steel, fine teeth milled on CNC center, high frequency hardened to HRC40-50, showing advantages of good hardiness, wear-resisting and long life.

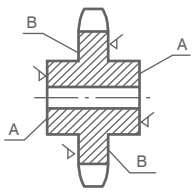
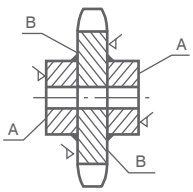
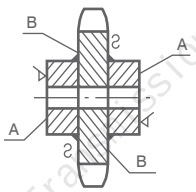
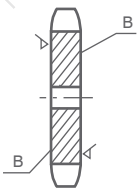
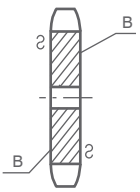


Flame Cut Sprockets

- Breakthrough manufacturing technologies and designs that greatly increase product quality level and lifetime.
- The best material combination with special welding technologies guarantees creative high-quality flame cut sprockets.
- The improved structure and transmission stability have changed the traditional method.
- NSPT gives our customers more production choices and cost saving options in order to help them maximally utilize their purchases.

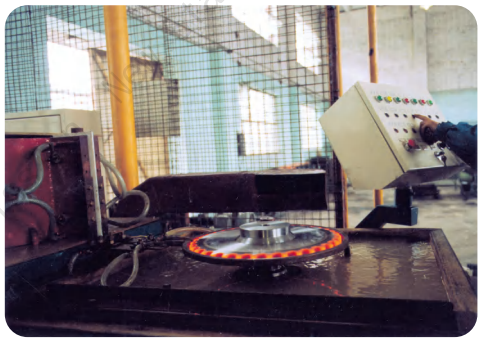


Machining Classification

Sketch / Classification					
Delivery State	**FD**	**FT**	**FB**	**FPT**	**FPB**
Blank Type	Overall Forging	Welding	Welding	Steel Plate	Steel Plate
Materials	C1045	C1045 Sprocket+SS41 Hub		C1045	C1045
Inner Bore	Min.Pilot Bore	Min.Pilot Bore	Min.Pilot Bore	Min.Pilot Bore	Min.Pilot Bore
Teeth Profile	CNC Machining	CNC Machining	CNC Machining	CNC Machining	CNC Machining
Hub Face A	Machining	Machining	Machining	Machining	Machining
Plate Face B	Machining	Machining	No Machining	Machining	No Machining
Teeth Hardening	HRC35-45	HRC35-45	HRC35-45	HRC35-45	HRC35-45
Surface Treatment	Black Oxidize	Phosphated or Painted	Phosphated or Painted	Black Oxidize	Phosphated or Painted
Packing	Protective Binding Package, Suitable for Ocean and Land Shipment				



Machining Precision Guaranteed by CNC centers; High Smoothness For Teeth Surface



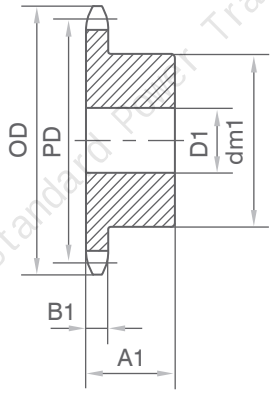
Special Heat Treatment to Increase the Hardness and Wear Resistance of the Teeth

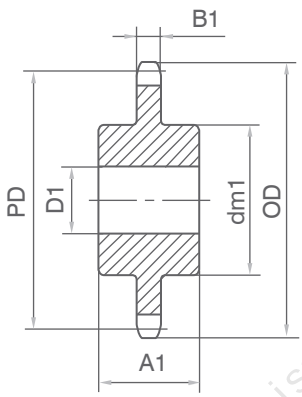
Flame Cut Sprockets

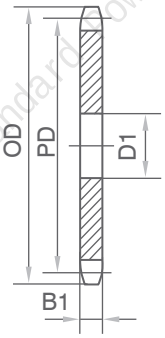
1.654 FLAME CUT SPROCKETS FOR CHAINS

1.654" PITCH

62CAST - 062 - 62Steel - 62A - HF62A - 62H - 072 - 162 - R362 R432 - RR432 - 962 - LXS627 - IS620 - 162R - US622 - 378R 402RS - US620







1654 PLATE THICKNESS 3/4" ROLLER DIAMETER 13/16"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
1654C12	12	6.39	15/16	2 3/4	4 1/4	3 1/8	15.8	1654A12	15/16	6.8
1654C13	13	6.91	15/16	3 1/4	4 3/4	3 1/2	19.4	1654A13	15/16	8.0
1654C14	14	7.43	15/16	3 1/4	4 3/4	3 1/2	20.6	1654A14	15/16	9.2
1654C15	15	7.96	15/16	3 1/4	4 3/4	3 1/2	22.0	1654A15	15/16	10.5
1654C17	17	9.00	15/16	3 1/4	4 3/4	3 1/2	24.0	1654A17	15/16	12.0
1654C19	19	10.05	15/16	3 1/4	4 3/4	3 1/2	28.0	1654A19	15/16	16.8
1654C20	20	10.57	15/16	3 1/4	4 3/4	3 1/2	30.0	1654A20	15/16	18.6
1654C24	24	12.67	1 1/4	3 3/4	5 1/2	4 3/5	49.0	1654A24	1 1/4	26.0
1654C26	26	13.72	1 1/4	3 3/4	5 1/2	4 3/8	53.0	1654A26	1 1/4	30.0
1654C30	30	15.82	1 1/4	3 3/4	5 1/2	4 3/8	65.0	1654A30	1 1/4	42.0
1654C36	36	18.98	1 1/4	3 3/4	5 1/2	4 3/8	82.0	1654A36	1 1/4	59.0
1654C54	54	28.45	1 1/4	3 3/4	5 1/2	4 3/8	125.0	1654A54	1 1/4	135.0
1654C60	60	31.60	1 1/4	3 3/4	5 1/2	4 3/8	138.0	1654A60	1 1/4	169.0





Flame Cut Sprockets

3067 FLAME CUT SPROCKETS FOR CHAINS

3.067" PITCH

AX1568 - X568 - JS3011 - SS568 - XX568 - 1803A - 1803AB - MXS3011 IS3011 - IS3010 - US3011 - LXS3011 - LXS3011M

3067 PLATE THICKNESS 1 1/4" ROLLER DIAMETER 1 5/8"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
3067C10	10	9.92	1 1/2	3 3/4	5 1/2	4 1/4	46	3067A10	1 1/2	28
3067C12	12	11.85	1 1/2	3 3/4	5 1/2	4 1/4	58	3067A12	1 1/2	40
3067C14	14	13.78	1 1/2	3 3/4	5 1/2	4 1/4	73	3067A14	1 1/2	53
3067C30	30	29.34	1 1/2	4 1/2	6 1/2	5 3/4	217	3067A30	1 1/2	240
3067C36	36	35.19	1 1/2	5 3/8	7 1/2	5 7/8	257	3067A36	1 1/2	290
3067C42	42	41.04	1 1/2	5 1/2	8	6 1/8	407	3067A42	1 1/2	340
3067C48	48	46.89	1 1/2	5 1/2	8	6 1/8	448	3067A48	1 1/2	381

A3075 FLAME CUT SPROCKETS FOR CHAINS

3.075" PITCH

1030 - R1033 - R1035 - 1037 - 1539 - SS40 - LXS1031 - AP13 - LXS1032 SS40Hyp - IS1030 - IS1031 - IS1032 - IS1037 - US1031 - 1190 - 1190R US1032

A3075 PLATE THICKNESS 1 1/4" ROLLER DIAMETER 1 1/4"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
A3075C08	8	8.05	1 1/4	3 1/4	5	3 7/8	31	A3075A08	1 1/4	17.9
A3075C09	9	8.99	1 1/4	3 1/4	5	3 7/8	36	A3075A09	1 1/4	22.4
A3075C10	10	9.95	1 1/4	3 1/4	5	3 7/8	40	A3075A10	1 1/4	28
A3075C11	11	10.91	1 1/2	3 3/4	5 1/2	4 1/4	51	A3075A11	1 1/2	33
A3075C12	12	11.88	1 1/2	3 3/4	5 1/2	4 1/4	57	A3075A12	1 1/2	39
A3075C13	13	12.85	1 1/2	3 3/4	5 1/2	4 1/4	64	A3075A13	1 1/2	46
A3075C15	15	14.79	1 1/2	4	6	5 1/8	91	A3075A15	1 1/2	60
A3075C17	17	16.73	1 1/2	4	6	5 1/8	109	A3075A17	1 1/2	78
A3075C19	19	18.68	1 1/2	4 1/2	6 1/2	5 3/4	137	A3075A19	1 1/2	97
A3075C21	21	20.63	1 1/2	4 1/2	6 1/2	5 3/4	158	A3075A21	1 1/2	118
A3075C24	24	23.56	1 1/2	4 1/2	6 1/2	5 3/4	176	A3075A24	1 1/2	154
A3075C25	25	24.53	1 1/2	5 3/8	7 1/2	5 7/8	206	A3075A25	1 1/2	167
A3075C28	28	27.46	1 1/2	5 3/8	7 1/2	5 7/8	236	A3075A28	1 1/2	210
A3075C30	30	29.42	1 1/2	5 3/8	7 1/2	5 7/8	254	A3075A30	1 1/2	240
A3075C35	35	34.30	1 1/2	5 1/2	8	6 1/8	313	A3075A35	1 1/2	287
A3075C40	40	39.19	1 1/2	5 1/2	8	6 1/8	360	A3075A40	1 1/2	327
A3075C42	42	41.15	1 1/2	5 1/2	8	6 1/8	410	A3075A42	1 1/2	343
A3075C48	48	47.03	1 1/2	6 1/2	9 1/2	6 3/4	501	A3075A48	1 1/2	384
A3075C54	54	52.89	1 1/2	6 1/2	9 1/2	6 3/4	549	A3075A54	1 1/2	432
A3075C60	60	58.75	1 1/2	7	10	7 1/2	642	A3075A60	1 1/2	506

Flame Cut Sprockets

3500 FLAME CUT SPROCKETS FOR CHAINS

3.500" PITCH

RX238 - IS3514J - 1616A - MXS3514 - US3514 - LXS3514 - LXS3514M

3500 PLATE THICKNESS 1 1/4" ROLLER DIAMETER 1 3/4"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
3500C10	10	11.33	1 1/2	3 3/4	5 1/2	4 1/4	54	3500A10	1 1/2	35
3500C12	12	13.52	1 1/2	3 3/4	5 1/2	4 1/4	70	3500A12	1 1/2	51
3500C14	14	15.73	1 1/2	3 3/4	5 1/2	4 1/4	88	3500A14	1 1/2	60
3500C30	30	33.48	1 1/2	4	6	5 1/8	312	3500A30	1 1/2	253
3500C36	36	40.16	1 1/2	4	6	5 1/8	345	3500A36	1 1/2	270
3500C42	42	46.84	1 1/2	5 1/2	8	6 1/8	446	3500A42	1 1/2	379
3500C48	48	53.52	1 1/2	5 1/2	8	6 1/8	517	3500A48	1 1/2	450

4063 FLAME CUT SPROCKETS FOR CHAINS

4.063" PITCH

1240 - 1244 - RX1245 - R1248 - SS124 - AP14 - LXS1242 - SS124
LXS1245 - SS124D - SS124DP - IS1242 - IS1425

4063 PLATE THICKNESS 1 3/4" ROLLER DIAMETER 1 3/4"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
4063C06	6	8.13	15/16	2 1/2	4	4	34	4063A06	15/16	26
4063C07	7	9.36	1 1/4	3 3/4	5 1/4	4 3/4	51	4063A07	1 1/4	34
4063C08	8	10.62	1 1/2	4 1/2	6 1/2	5	78	4063A08	1 1/2	44
4063C09	9	11.88	1 1/2	4 1/2	6 1/2	5	89	4063A09	1 1/2	55
4063C10	10	13.15	1 1/2	4 1/2	6 1/2	5	101	4063A10	1 1/2	67
4063C11	11	14.42	1 1/2	4 1/2	6 1/2	5	115	4063A11	1 1/2	81
4063C12	12	15.70	1 1/2	5 1/4	7	6	140	4063A12	1 1/2	96
4063C13	13	16.98	1 1/2	5 1/4	7	6	155	4063A13	1 1/2	111
4063C14	14	18.26	1 1/2	5 1/4	7	6	174	4063A14	1 1/2	130
4063C15	15	19.54	1 1/2	5 1/4	7	6	192	4063A15	1 1/2	148
4063C16	16	20.83	1 1/2	5 1/2	8	6 1/4	230	4063A16	1 1/2	168
4063C18	18	23.40	1 1/2	5 1/2	8	6 1/4	275	4063A18	1 1/2	213
4063C20	20	25.97	1 1/2	5 1/2	8	6 1/4	300	4063A20	1 1/2	263
4063C21	21	27.26	1 1/2	5 1/2	8	6 1/4	319	4063A21	1 1/2	289
4063C24	24	31.12	1 1/2	5 1/2	8	6 1/4	387	4063A24	1 1/2	377
4063C25	25	33.42	1 1/2	6	9	6 1/4	426	4063A25	1 1/2	409
4063C28	28	36.29	1 1/2	6	9	6 1/4	494	4063A28	1 1/2	479
4063C30	30	38.87	1 1/2	7	10	6 3/4	583	4063A30	1 1/2	498
4063C35	35	45.33	1 1/2	7	10	6 3/4	729	4063A35	1 1/2	620
4063C40	40	51.78	1 1/2	7 1/2	11	7 3/4	932	4063A40	1 1/2	721
4063C48	48	62.12	1 1/2	7 1/2	11	7 3/4	1078	4063A48	1 1/2	867

Flame Cut Sprockets

4500 FLAME CUT SPROCKETS FOR CHAINS

4.500" PITCH

RO635 - B635 - X635 - 1350 - 450SX - 450SXX - IS4522 - 1340RX LXS4522M

4500 PLATE THICKNESS 1 3/4" ROLLER DIAMETER 2 1/4"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
4500C10	10	14.56	1 1/2	4	6 1/2	5	111	4500A10	1 1/2	87
4500C12	12	17.39	1 1/2	4	6 1/2	5	148	4500A12	1 1/2	119
4500C14	14	20.22	1 1/2	4	6 1/2	5	188	4500A14	1 1/2	159
4500C30	30	43.05	1 1/2	5 3/8	7 1/2	5 7/8	592	4500A30	1 1/2	542
4500C36	36	51.63	1 1/2	5 3/8	7 1/2	5 7/8	764	4500A36	1 1/2	715
4500C42	42	60.22	1 1/2	6 1/2	9 1/2	7 1/4	884	4500A42	1 1/2	776
4500C48	48	68.81	1 1/2	7 1/2	11	7 3/4	1174	4500A48	1 1/2	963

5000 FLAME CUT SPROCKETS FOR CHAINS

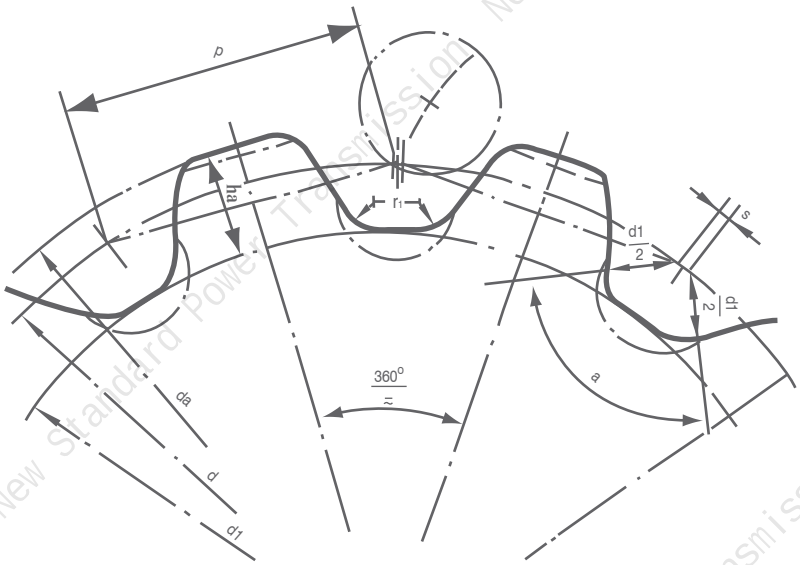
5.000" PITCH

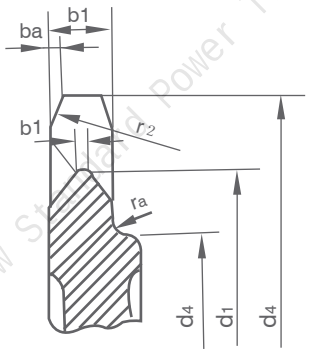
RX1207 - RO1205 - A1302 - JS5031 - 1510XX - 1602A - 1602AA US5201A - LXS5028 - LXS6038M - MXS5028

5000 PLATE THICKNESS 2 1/4" ROLLER DIAMETER 2 1/2"

CATALOG NO.	Z	P.D.	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
5000C10	10	16.18	1 1/2	4 1/2	6 1/2	5 1/2	160	5000A10	1 1/2	131
5000C12	12	19.32	1 1/2	4 1/2	6 1/2	5 1/2	215	5000A12	1 1/2	187
5000C14	14	22.47	1 1/2	5 3/8	7 1/2	5 7/8	298	5000A14	1 1/2	254
5000C30	30	47.84	1 1/2	6	9	6 3/4	809	5000A30	1 1/2	730
5000C36	36	57.37	1 1/2	7	10	8 1/2	1161	5000A36	1 1/2	1025
5000C42	42	66.91	1 1/2	7	10	8 1/2	1245	5000A42	1 1/2	1109
5000C48	48	76.45	1 1/2	7 1/2	11	10 1/4	2005	5000A48	1 1/2	1794

Flame Cut Sprockets

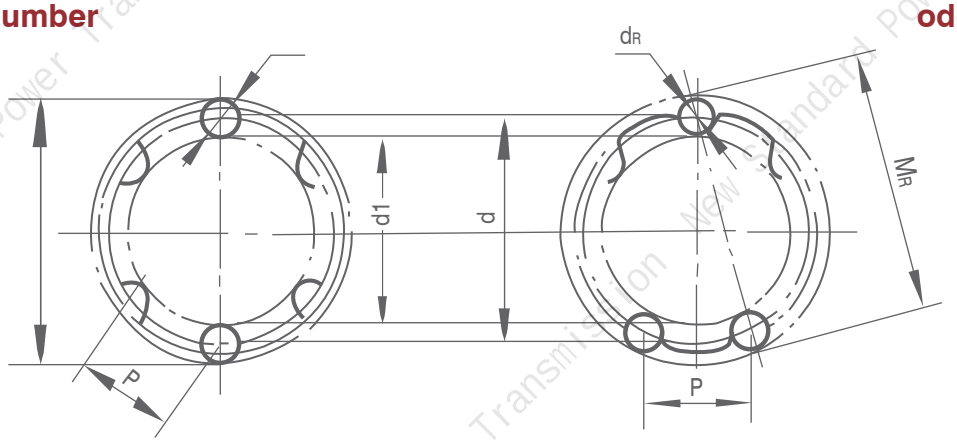




b_e— tooth chamfer width	h_a— tooth height above root diameter
b_f— tooth width	M_R— over pin measurement
b_g— minium width of root chamfer	p— chord pitch,equal to chain pitch
d— pitch reference cylinder	r_a— radius of chamfer between hub and plate
d_a— top diameter	r_i— radius of roller seating space
d_f— root diameter	r_x— radius of smallest tooth chamfer
d_g— maximum hub diameter	s— gap between tooth space centers
d_R— out diameter	z— teeth number
d_1— maximum diameter of common rollers	a— angle of roller seating space
d_2— pin shaft diameter	

Checking method for tooth space accuracy

even number **odd number**



even number of teeth

$$M_R = d_f + d_R$$

odd number of teeth

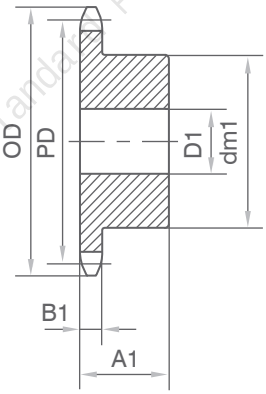
$$M_R = d_f \cos\frac{90^\circ}{Z} + d_R$$

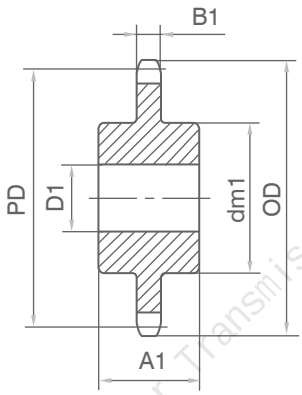
Flame Cut Sprockets

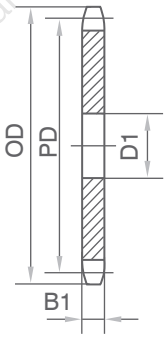
2609 FLAME CUT SPROCKETS FOR CHAINS

2.609" PITCH

78 - H74 - 75 - H75 - H78 - H78LR - H78RT - H78SR - 88 - 188 - S188
S78 - R588 - RR588 - R778 - RR778 - 988 - IS880 - 81X - IS882 - US881
LXS881 - LXS886 - LXS887 - LXS882 - 488 - XS578 - SS188 - C188
US278R - US882 - 578R - 588R







2609 PLATE THICKNESS 7/8" ROLLER DIAMETER 7/8"

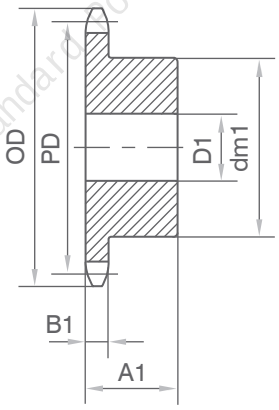
CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
2609C08	8	6.82	15/16	3 1/4	4 3/4	3 1/8	21	2609A08	15/16	9.0
2609C09	9	7.63	1 1/4	3 7/16	5 1/4	3 7/8	29	2609A09	1 1/4	11.3
2609C10	10	8.44	1 1/4	3 7/16	5 1/4	3 7/8	31	2609A10	1 1/4	13.9
2609C11	11	9.26	1 1/4	3 7/16	5 1/4	3 7/8	34	2609A11	1 1/4	16.7
2609C12	12	10.08	1 1/4	3 7/16	5 1/4	3 7/8	37	2609A12	1 1/4	19.8
2609C13	13	10.90	1 1/4	3 3/4	5 1/2	4 1/2	46	2609A13	1 1/4	23.0
2609C14	14	11.72	1 1/4	3 3/4	5 1/2	4 1/2	49	2609A14	1 1/4	27.0
2609C15	15	12.55	1 1/2	3 3/4	5 1/2	4 1/2	53	2609A15	1 1/2	30.0
2609C17	17	14.20	1 1/2	3 3/4	5 1/2	4 1/2	62	2609A17	1 1/2	39.0
2609C19	19	15.85	1 1/2	4 1/2	6 1/2	5 3/8	90	2609A19	1 1/2	50.0
2609C21	21	17.51	1 1/2	4 1/2	6 1/2	5 3/8	101	2609A21	1 1/2	61.0
2609C24	24	19.99	1 1/2	4 1/2	6 1/2	5 3/8	119	2609A24	1 1/2	79.0
2609C25	25	20.82	1 1/2	4 1/2	6 1/2	5 3/8	124	2609A25	1 1/2	84.0
2609C28	28	23.31	1 1/2	4 1/2	6 1/2	5 3/8	132	2609A28	1 1/2	105.0
2609C30	30	24.96	1 1/2	4 1/2	6 1/2	5 3/8	150	2609A30	1 1/2	123.0
2609C35	35	29.11	1 1/2	4 1/2	6 1/2	5 3/8	170	2609A35	1 1/2	166.0
2609C40	40	33.25	1 1/2	4 15/16	7 1/4	6 3/4	226	2609A40	1 1/2	216.0
2609C42	42	34.91	1 1/2	4 15/16	7 1/4	6 3/4	240	2609A42	1 1/2	240.0
2609C46	46	38.31	1 1/2	4 15/16	7 1/4	6 3/4	258	2609A46	1 1/2	286.0
2609C54	54	44.87	1 1/2	4 15/16	7 1/4	6 3/4	368	2609A54	1 1/2	302.0
2609C60	60	49.85	1 1/2	4 15/16	7 1/4	6 3/4	388	2609A60	1 1/2	322.0

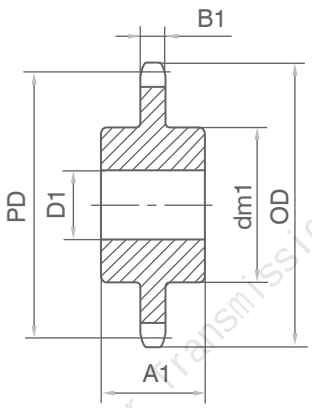
Flame Cut Sprockets

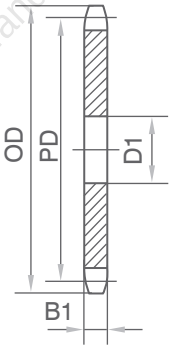
3075 FLAME CUT SPROCKETS FOR CHAINS

3.075" PITCH

H82 - WH82 - WR82 - 103 - 131 - S131 - WS82 - WS82H - SS131 - 527R
527RX - C9103 - 6131 - 4103 - C131 - 382







B3075 PLATE THICKNESS 1 1/8" ROLLER DIAMETER 1 7/32"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
B3075C07	7	7.09	13/16	2 15/16	4 1/2	3 7/8	24	B3075A07	13/16	12.6
B3075C08	8	8.04	1 1/4	3 3/4	5 1/4	4 1/8	34	B3075A08	1 1/4	16
B3075C09	9	8.99	1 1/4	3 3/4	5 1/4	4 1/8	38	B3075A09	1 1/4	20
B3075C10	10	9.95	1 1/4	3 3/4	5 1/4	4 1/8	43	B3075A10	1 1/4	25
B3075C11	11	10.91	1 1/4	3 15/16	5 3/4	4 3/8	54	B3075A11	1 1/4	30
B3075C12	12	11.88	1 1/4	3 15/16	5 3/4	4 3/8	60	B3075A12	1 1/4	36
B3075C13	13	12.85	1 1/4	3 15/16	5 3/4	4 3/8	66	B3075A13	1 1/4	42
B3075C14	14	13.82	1 1/4	3 15/16	5 3/4	4 3/8	72	B3075A14	1 1/4	48
B3075C15	15	14.79	1 1/2	4 1/2	6 1/2	5 5/8	94	B3075A15	1 1/2	54
B3075C16	16	15.76	1 1/2	4 1/2	6 1/2	5 5/8	102	B3075A16	1 1/2	62
B3075C17	17	16.73	1 1/2	4 1/2	6 1/2	5 5/8	110	B3075A17	1 1/2	70
B3075C18	18	17.71	1 1/2	4 1/2	6 1/2	5 5/8	119	B3075A18	1 1/2	79

Flame Cut Sprockets

4000 FLAME CUT SPROCKETS FOR CHAINS

4.000" PITCH

H124 - W124 - WS124 - WR124 - WH124

4000 PLATE THICKNESS 1 1/2" ROLLER DIAMETER 1 1/2"

CATALOGNO.	Z	P.D	stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	stock Bore	wt Lbs
4000C06	6	8.00	15/16	3 1/4	4 3/4	4 5/8	36	4000A06	15/16	21
4000C07	7	9.22	1	3 15/16	5 3/4	4 3/4	52	4000A07	1	28
4000C08	8	10.45	1	3 15/16	5 3/4	4 3/4	61	4000A08	1	37
4000C09	9	11.70	1	3 15/16	5 3/4	4 3/4	70	4000A09	1	46
4000C10	10	12.94	1	3 15/16	5 3/4	4 3/4	79	4000A10	1	55
4000C11	11	14.20	1 1/2	4 1/4	6 1/4	4 3/4	95	4000A11	1 1/2	68
4000C12	12	15.45	1 1/2	4 1/4	6 1/4	4 3/4	107	4000A12	1 1/2	80
4000C13	13	16.72	1 1/2	4 1/4	6 1/4	4 3/4	120	4000A13	1 1/2	93
4000C14	14	17.98	1 1/2	4 1/4	6 1/4	4 3/4	135	4000A14	1 1/2	108
4000C15	15	19.24	1 1/2	4 3/8	6 3/4	6	168	4000A15	1 1/2	124
4000C16	16	20.50	1 1/2	4 3/8	6 3/4	6	185	4000A16	1 1/2	141

6050 FLAME CUT SPROCKETS FOR CHAINS

6.050" PITCH

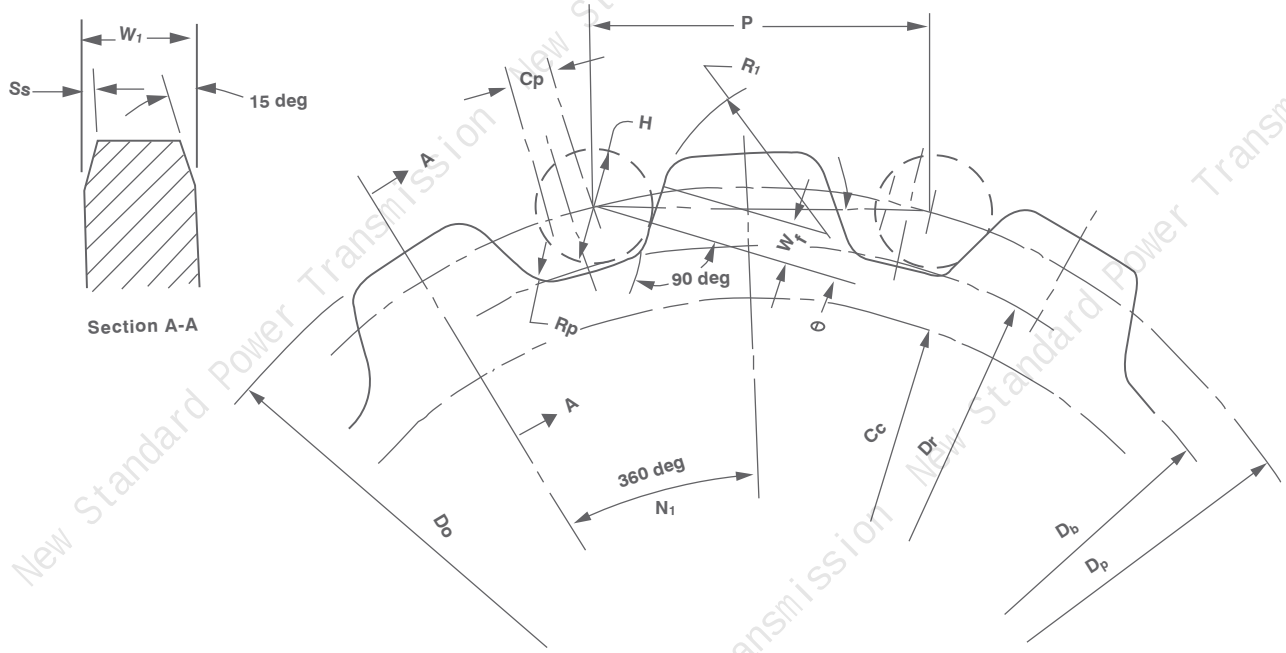
C132 - A132 - A132WS - WS132 - C132M - C132W - SX150 - SXA150
150X - 6150 - W157 - WH157 - WR157

6050 PLATE THICKNESS 2 3/4" ROLLER DIAMETER 1 23/32"

CATALOG NO.	Z	P.D	Stock Bore	Max Bore	Hub Diameter	A1	wt Lbs.	CATALOG NO.	Stock Bore	wt Lbs
6050C06	6	12.10	1 1/2	4 1/2	6 1/2	6	119	6050A06	1 1/2	90
6050C07	7	13.95	1 1/2	4 1/2	6 1/2	6	149	6050A07	1 1/2	120
6050C08	8	15.81	1 1/2	4 1/2	6 1/2	6	182	6050A08	1 1/2	153
6050C09	9	17.69	1 1/2	5 3/8	7 1/2	6 3/8	236	6050A09	1 1/2	192
6050C10	10	19.58	1 1/2	5 3/8	7 1/2	6 3/8	278	6050A10	1 1/2	235
6050C11	11	21.47	1 1/2	5 3/8	7 1/2	6 3/8	326	6050A11	1 1/2	283
6050C12	12	23.38	1 1/2	5 3/8	7 1/2	6 3/8	378	6050A12	1 1/2	334

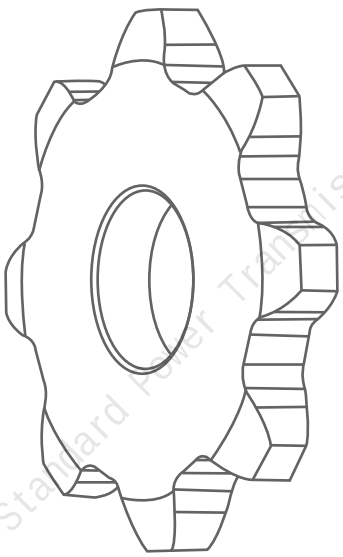
New Standard Power Transmission

Flame Cut Sprockets



The elements of a chain sprocket and the tooth form may be determined by the following:

C_b = undersize compensation (typically 0.06 in.)
C_c = chain clearance circle [Note (1)] = P (C_{cf} - 0.05) F max
C_{cf} = clearance circle and outside diameter factor (see Table 11) = cot (180/N_t)
C_p = pitch line clearance = P x 0.10 to P x 0.15
D_b = bottom diameter [Note (2)] = D_t - C_b
D_c = outside diameter [Note (3)] = (P x C_{ct}) - F max
D_p = pitch diameter = P x D_{pt}
D_{df} = pitch diameter factor (see Table 11) = C_{sc} (180/N_t)
D_t = root diameter [Note (2)] = (P x D_{pt}) - H max
F = max chain height (see Table 3)
H = max chain barrel height (see Table 2)
N_t = number of teeth
P = chain pitch
R_p = pocket radius [Note (2)]. < H/2
R_t = topping radius = 0.5 x P
S_s = side stope = approximately 0.12 x W_t, not to exceed 0.38 in. (9.6mm)
W_f = working face [Note (4)] = 0.01 x P x N_t
W_t = max tooth width = 0.95A min. of chain
0 = pressure angle (see Table 11)



NOTES:

(1) No portion of hub, beads, lugs, or fillets shall extend beyond this circle in the sidebar zone.

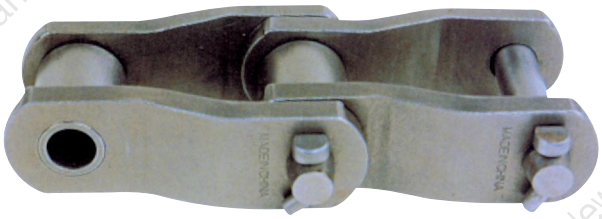
(2) The bottom diameter should be smaller than the root diameter, and the pocket radius should be smaller than H/2. Oversize dimensions cause improper chain and sprocket action and excessive chain loads.

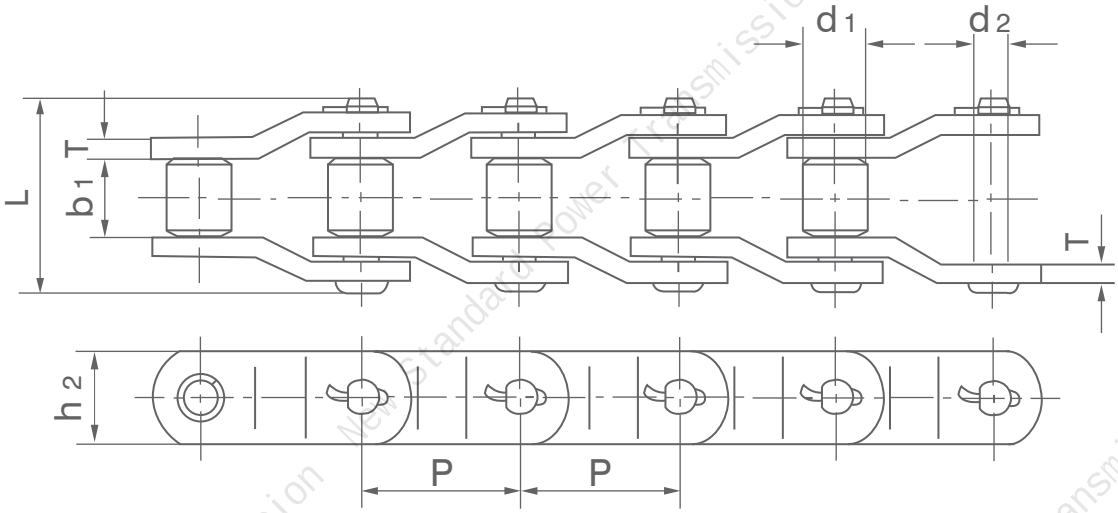
(3) Outside diameter may be increased to give a full height tooth when the top of the chain is clear of flights, pans, buckets, etc. Tooth working face length provides for approximately 6% chain pitch elongation.

(4) Limitation on length of working face - the working face shall not extend beyond the line through the adjacent pitch point that is perpendicular to the working face.

Flame Cut Sprockets Engineering Chains

Heavy-Duty Cranked-Link Transmission Chains

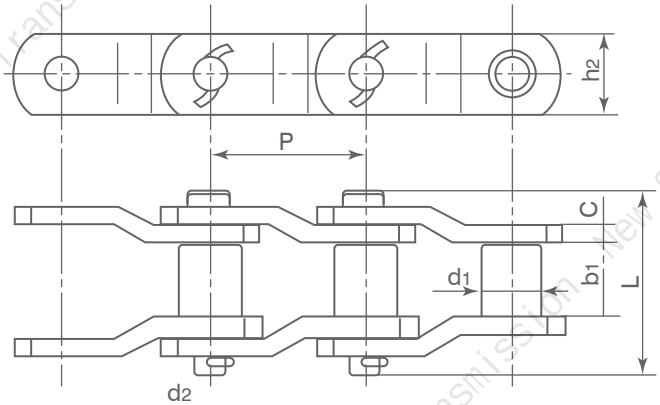




Chain No.	Pitch	Roller Diamter	Width Between Inner Plates	Pin Diameter	Pin Length	Plate Depth	Plate Thick--ness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P	d_1 max	b_1 min	d_2 max	L max	h_2 max	T max	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
2010	63.50	31.75	38.10	15.90	90.7	47.8	7.9	250.0	270.0	14.00
2512	77.90	41.28	39.60	19.05	100.0	57.0	9.7	340.0	367.0	18.40
2814	88.90	44.45	38.10	22.25	117.6	60.5	12.7	470.0	507.6	25.10
3315	103.45	45.24	49.30	23.85	134.9	63.5	14.2	550.0	594.0	27.30
3618	114.30	57.15	52.30	27.97	141.2	79.2	14.2	760.0	820.8	38.20
4020	127.00	63.50	69.90	31.78	168.1	91.9	15.7	990.0	1069.2	52.10
MXS882	66.27	22.23	28.58	11.10	68.5	28.5	6.4	115.6	124.8	5.30
MXS3075	78.10	31.75	38.10	16.46	93.5	44.5	9.7	334.0	360.7	13.45
MXS1242	103.20	44.45	49.20	22.23	124.5	57.0	12.8	623.0	672.8	24.63

Flame Cut Sprockets
Engineering Chains

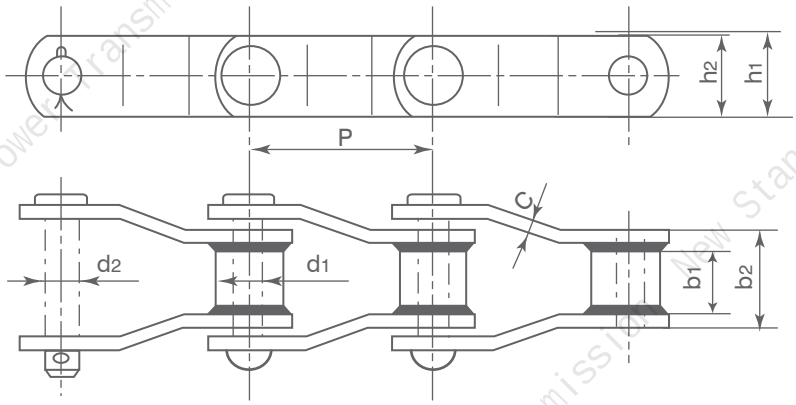
Offset-Sindbar Roller Chains



Chain No. ISO GB	Pitch p	Width Between Plates at Inner End b_1(nom)	Roller Dia. d_1(max)	Plate		Pin		Breaking Load(min) Q	Weight Approx. q
				Depth h_2(max)	Thickness c(max)	Width L(max)	Dia. d_2(max)		
	mm	mm	mm	mm	mm	mm	mm	daN	kg/m
WG781	78.18	38.1	33	45	10	97	17	31360	16
WG103	103.20	49.2	46	60	13	125.5	23	53900	26
WG103H	103.20	49.2	46	60	16	135	23	53900	31
WG140	140.00	80.0	65	90	20	187	35	117600	59.2
WB10389	103.89	49.2	46	70	16	142	26.7	102900	32
WB9525	95.25	39.0	45	65	16	124	23.0	63500	22.25
WB7900	79.00	39.0	31.5	54	9.5	93.5	18.5	38090	12.28
WB7938	79.38	41.2	40	57.2	9.5	100	19.5	50900	18.7

Flame Cut Sprockets
Engineering Chains

Welded Steel Chains

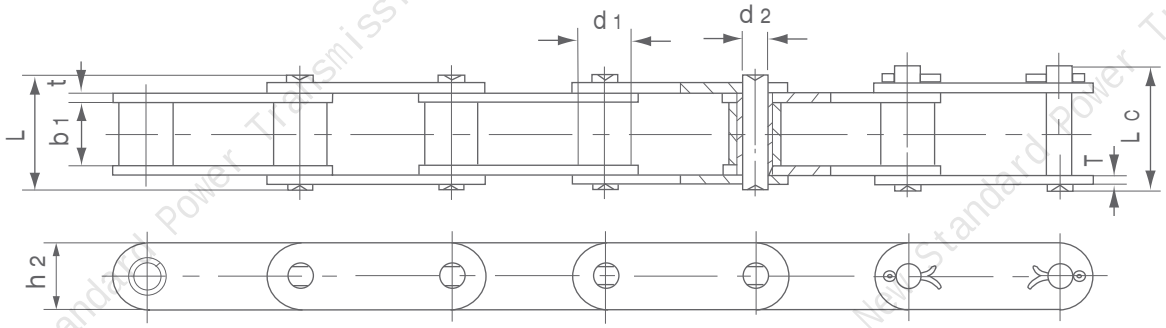


Chain No.	Pitch p (mm)	Bush Diameter d_1 Max (mm)	Dia. of Pin d_2 Max (mm)	Chain Path Depth h_1 Max (mm)	Chain Path h_2 Max (mm)	Inner Width of Small End b_1 Min (mm)	Outer Width of Small End b_2 Max (mm)	Thickness of Link S(Max) (mm)	Breaking Load Q Min (daN)
W78	66.27	22.90	12.78	30.00	28.40	28.40	51.00	6.40	9340
W82	78.10	31.50	14.35	33.50	31.80	31.80	57.40	6.40	10010
W106	152.40	37.10	19.113	39.60	38.40	41.20	71.60	9.70	16900
W110	152.40	32.00	19.13	39.60	38.10	46.70	76.50	9.70	16900
W111	120.90	37.10	19.13	39.60	38.10	57.20	85.90	9.70	16900
W124	101.60	37.10	19.13	39.60	38.10	41.20	71.60	9.70	16900
W124H	103.20	41.70	22.30	52.30	50.80	41.20	76.50	12.70	27580
W132	153.67	44.70	25.40	52.30	50.80	76.20	111.80	12.70	27580

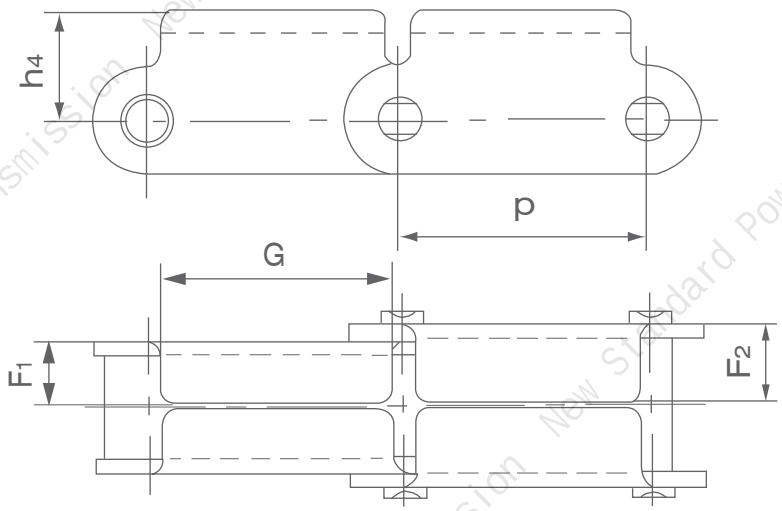
New Standard Power Transmission

Flame Cut Sprockets
Engineering Chains

Heavy-Duty Cranked-Link Transmission Chains



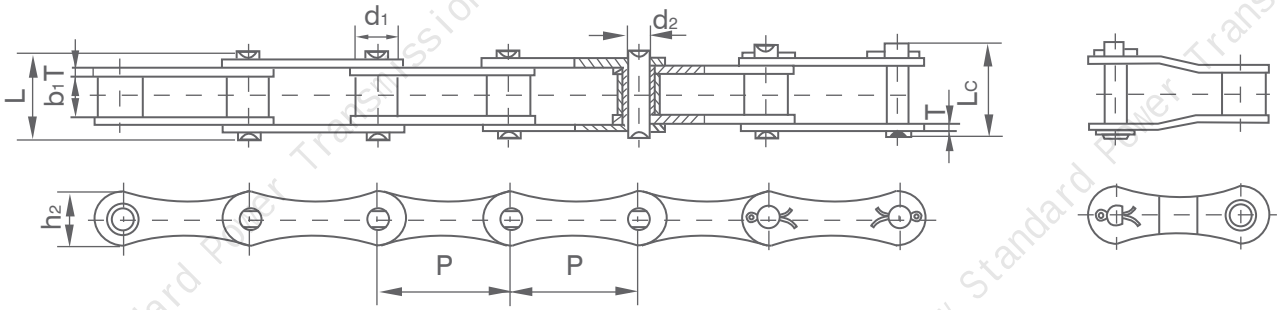
Chain NO.	Pitch	Roller Diamter	Width Between inner Plates	Pin Diameter	Pin Length		Inner Plate Depth	Plate Thick--ness	Ultimate Tensile Strength	Average Tensile Strength	Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	L_c max	h_2 max	t/T max	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
81X	66.27	23.00	27.00	11.10	49.0	53.5	28.50	4.00	106.7	128.9	3.78
81XH	66.27	23.00	27.78	11.10	60.7	65.1	31.35	7.94/5.55	151.9	175.7	5.88
81XHH	66.27	23.00	27.78	11.10	65.6	70.0	31.35	7.94	191.1	212.6	6.70
81XHS	66.27	23.00	27.00	11.10	63.6	68.0	31.80	7.60	152.0	177.2	6.55



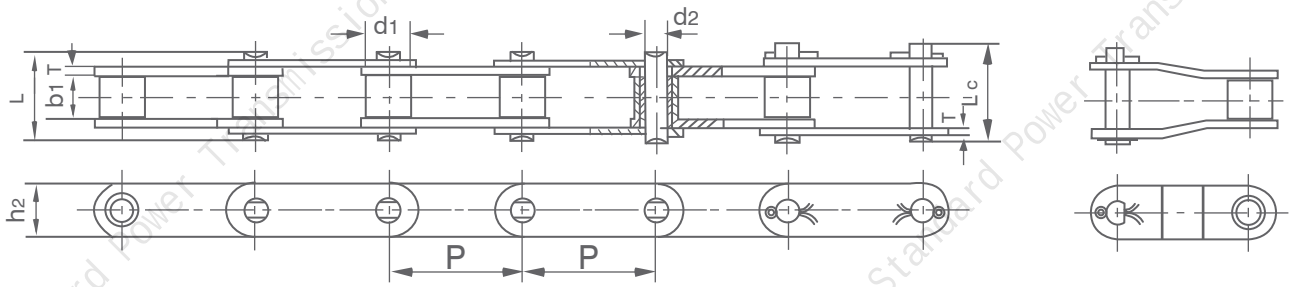
Chain No.	P	F1	F2	G	h4
	mm	mm	mm	mm	mm
81XF1	66.27	17.5	21.8	58.0	23.85

Flame Cut Sprockets Engineering Chains

Heavy-Duty Cranked-Link Transmission Chains



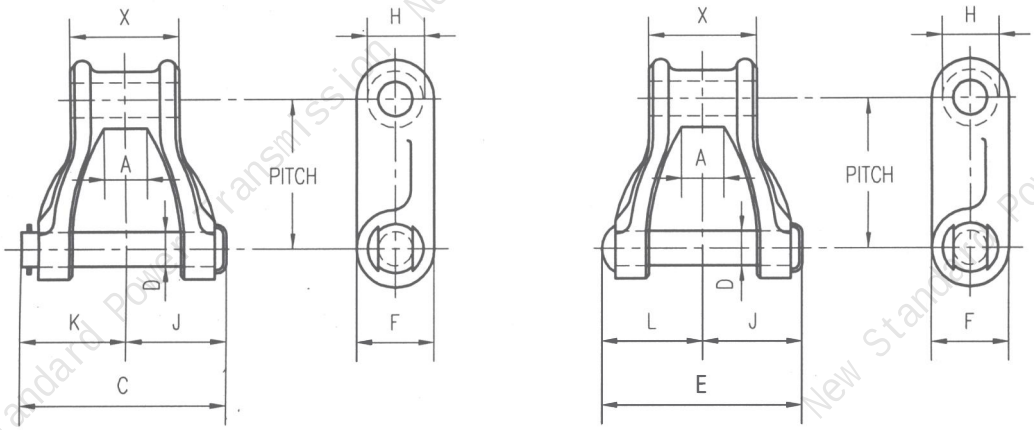
Chain No.	Pitch	Roller Diamter	Width Between Inner Plates	Pin Diameter	Pin Length		Plate Depth	Plate Thick--ness	Ultimate Tensile Strength	Average tensile strength	Weight per meter
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	h_2 max	T max	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
S32	29.21	11.43	15.88	4.45	26.7	28.8	13.2	1.8	8.0	21.6	0.86
S42	34.93	14.27	19.05	7.00	34.3	37.0	19.8	2.8	27.0	50.8	1.66
S45	41.40	15.24	22.23	5.72	37.7	40.4	17.3	2.8	18.0	36.1	166
S52	38.10	15.24	22.23	5.72	37.7	40.4	17.3	2.8	18.0	36.1	1.68
S55	41.40	17.78	22.23	5.72	37.7	40.4	17.3	2.8	18.0	36.1	1.80
S55R	41.40	17.78	22.23	8.90	41.0	44.0	22.4	3.5	45.0	73.1	2.49
S62	41.91	19.05	25.40	5.72	40.3	43.0	17.3	2.5	27.0	36.1	1.87
S77	58.34	18.26	22.23	8.90	43.2	46.4	26.2	4.0	45.0	73.1	2.65
S88	66.27	22.86	28.58	8.90	49.8	53.0	26.2	4.0	45.0	73.1	3.25



Chain No.	Pitch	Roller Diamter	Width Between Inner Plates	Pin Diameter	Pin Length		Plate Depth	Plate Thick--ness	Ultimate Tensile Strength	Average Tensile Strength	Weight Per Meter
	P	d_1 max	b_1 min	d_2 max	L max	Lc max	h_2 max	T max	Q min	Q_0	q
	mm	mm	mm	mm	mm	mm	mm	mm	kN	kN	kg/m
CA550	41.40	16.87	19.81	7.19	35.00	38.00	19.30	2.80	39.10	51.2	1.94
CA555	41.40	16.87	12.70	7.19	29.70	33.10	19.30	3.10	39.10	56.0	1.83
CA557	41.40	17.78	20.24	8.00	37.40	40.60	23.10	3.10	55.61	74.3	2.20
CA620	42.01	17.91	24.51	7.19	41.80	45.20	20.20	3.25	39.10	55.0	2.35

H Class Mill Chain

ANSI/ASME b29.14M. 1996



Available in riveted and cottered construction
Riveted furnished unless otherwise specified

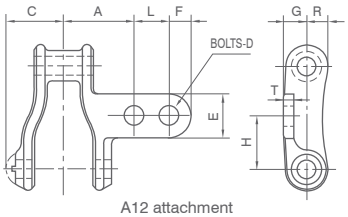
Moline Chain NO.	Pitch in Inches	Dimensions in Decimal Inches									
		A	C	D	E	F	H	J	K	L	X
H60	2.308	0.75	2.62	0.312	2.62	0.75	0.75	1.25	1.38	1.38	1.50
H62	1.654	0.875	2.45	0.312	2.45	0.75	0.813	1.16	1.28	1.28	1.50
H74	2.609	1.00	3.12	0.375	2.88	1.00	0.88	1.50	1.62	1.62	1.66
H75	2.609	1.00	1.88	0.312	2.88	0.75	0.72	1.38	1.50	1.50	1.66
H78	2.609	1.12	3.31	0.500	3.19	1.12	0.88	1.56	1.62	1.62	1.88
H79	2.609	1.12	3.31	0.500	3.19	1.12	0.88	1.56	1.62	1.62	1.88
H82	3.075	1.25	3.88	0.562	3.88	1.2	1.22	1.88	2.00	2.00	2.12
H87	4.000	1.50	4.38	0.625	4.19	1.38	1.38	2.06	2.12	2.12	2.38
H124	4.000	1.62	4.88	0.750	4.75	1.56	1.56	2.25	2.50	2.50	2.75

Moline Chain NO.	Pitch in Inches	Links Per 10 Feet	Weight Per Foot Lbs	Average Ultimate Strength Lbs	Allowable Chain Pull Pounas Lbs	Available Attachments
H60	2.308	52	2.1	9450	1560	F4 RR K1 H2
H62	1.654	73	2.4	9450	1450	A12
H74	2.609	46	3.5	13500	1850	F4 R1 RR K1 H1 H2
H75	2.609	46	2.2	9450	1560	K1
H78	2.609	46	4.2	22200	2810	A22 F4 F8 R1 RR K1 K2
H79	2.609	46	4.8	24300	2810	F15 K1
H82	3.075	39	6.0	27000	3580	F4 RR K2
H87	4.000	30	6.5	33750	4450	
H124	4.000	30	8.8	40500	6180	F4 K2

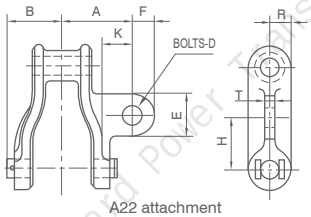
H Class Mill Chain

ANSI/ASME B29. 14M. 1996

Attachments



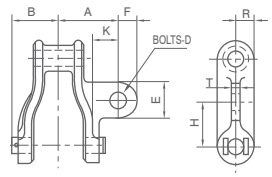
A12 attachment



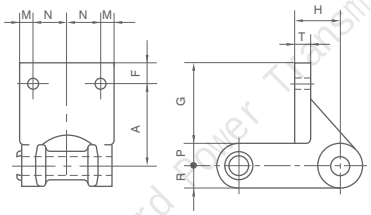
A22 attachment

A-ATTACHMENTS

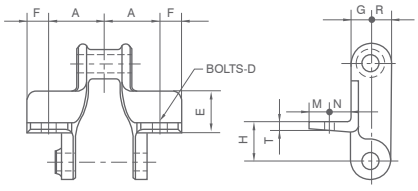
Moline Chain No.	Links in Approx. 10 Feet	Weight Per Foot. Pounds	Dimensions in Decimal Inches											
			A	B	C	D	E	F	G	H	K	L	R	T
H62-A12	73	2.7	1 11/32		1 5/32	1/4	13/16	3/8	3/8	23/32		5/8	13/32	3/16
H78-A22	46	4.8	1 7/8	1 3/4		3/8	1 3/16	19/32		1 5/16	5/8		9/16	13/32



A22 attachment



F8 attachment



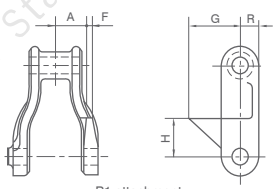
F15 attachment

F-ATTACHMENTS

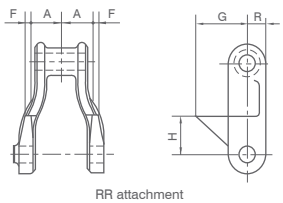
Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches													
		A	D	E	F	G	H	K	L	M	N	P	R	S	T
H60-F4	4.7	1 17/32	3/8	1 13/32	13/16	3/8	7/8	3/4	3/8	7/8	7/8	7/32	3/8	11/32	9/32
H74-F4	6.0	1 5/8	3/8	1 1/2	13/16	1/2	1 3/16	3/8	3/4	7/8	7/8	1/4	1/2	11/32	3/8
H78-F4	8.1	1 7/8	3/8	1 11/16	13/16	9/16	1	7/16	15/16	7/8	7/8	1/4	9/16	13/32	3/8
H82-F4	8.9	2 1/16	3/8	1 11/16	7/8	5/8	1 1/4	7/16	7/8	7/8	7/8	9/32	5/8	11/32	3/8
H124-F4	11.8	2 3/16	3/8	1 15/16	7/8	25/32	1 1/2	7/16	1 1/16	1 1/8	7/8	9/32	25/32	13/32	1/2
H78-F8	9.3	1 3/4	7/16		7/8	2 1/16	1 1/2	—	—	13/32	1 3/32	9/16	9/16	—	5/8
H124-F4	8.9	1 7/8	3/8	7/8	13/16	9/16	1	—	—	7/8	7/8	—	9/16	—	3/8

R-ATTACHMENTS

Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches				
		A	D	E	F	G
H74-R1	3.4	7/8	1/4	1 1/2	1 1/8	1/2
H78-R1	4.5	1 1/16	3/16	1 9/16	1 1/8	9/16
H60-RR	2.5	27/32	7/32	1 1/8	1 1/8	3/8
H74-RR	3.8	7/8	1/4	1 1/2	1 1/8	1/2
H78-RR	4.7	1 1/16	3/16	1 9/16	1 1/8	9/16
H82-RR	6.5	1 1/8	3/8	1 7/8	1 3/16	5/8



R1 attachment



RR attachment

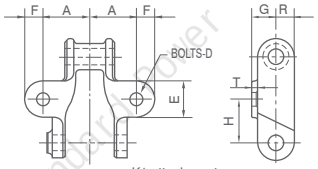
H Class Mill Chain

ANSI/ASME B29.14M. 1996

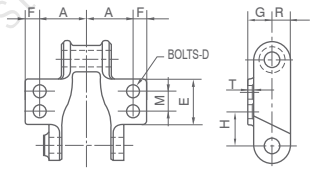
Attachments

K-ATTACHMENTS

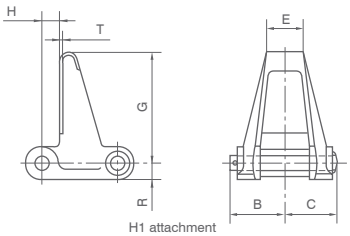
Motine Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches								
		A	D	E	F	G	H	M	R	T
H60-K1	2-8	1 1/2	5/16	1 1/8	1/2	3/4	1 1/16	—	3/8	3/16
H74-K1	3.5	1 7/16	5/16	1 1/8	1/2	11/16	1 1/4	—	1/2	7/32
H75-K1	2.7	1 13/32	5/16	1 7/16	33/64	5/8	1 1/4	—	3/8	5/32
H78-K1	5.6	2	3/8	1 3/8	1/2	13/16	1 1/4	—	9/16	7/32
H79-K1	6.1	2	3/8	1 3/8	1/2	13/16	1 1/4	—	9/16	7/32
H78-K2	6.0	2	3/8	2 1/8	1/2	13/16	13/32	1 1/8	9/16	1/4
H82-K2	7.6	2 1/8	3/8	2 3/16	5/8	7/8	3/4	1 5/16	5/8	5/16
H124-K2	11.3	2 5/8	3/8	2 7/8	9/16	13/16	7/8	1 15/16	25/32	5/16



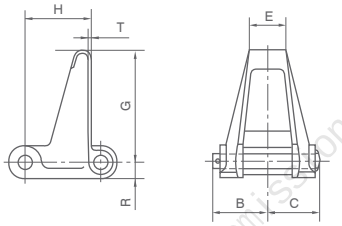
K1 attachment



K2 attachment



H1 attachment



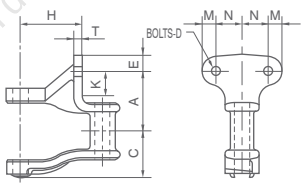
H2 attachment

H-ATTACHMENTS

Motine Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches						
		B	C	E	G	H	R	T
H74-H1	4.9	1 9/16	1 7/16	1 1/16	3	11/16	1/2	1/8
H78-H1	5.9	1 3/4	1 5/8	1 1/8	3 5/8	5/8	9/16	1/8
H60-H2	3.4	1 1/2	1 5/16	15/16	2 7/16	2 1/8	3/8	3/32
H74-H2	5.7	1 9/16	1 7/16	1 1/16	3 5/32	2 3/8	1/2	5/32
H78-H2	6.5	1 3/4	1 5/8	1 1/8	3 1/2	2 5/16	9/16	1/8

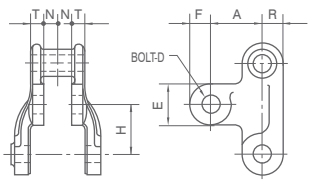
G-ATTACHMENTS

Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches								
		A	C	D	F	H	K	M	N	T
H78-G19	5.9	2 3/16	1 5/8	3/8	5/8	1 5/8	5/8	7/16	1 5/16	1/4



G19 attachment

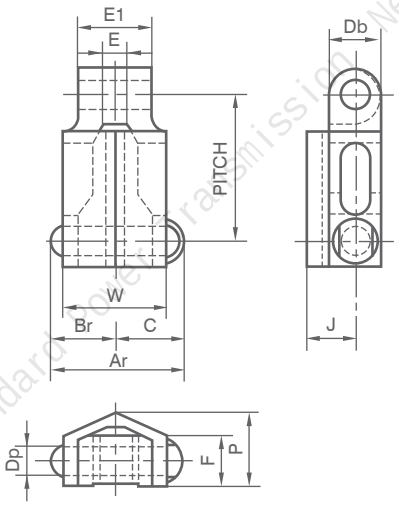
M-ATTACHMENTS



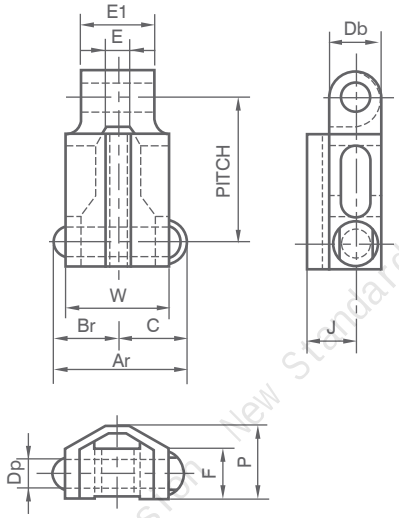
M3 attachment

Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches							
		A	D	E	F	H	N	R	T
H78-M3	6.0	1 5/16	5/8	1 3/8	11/16	1 15/16	17/32	9/16	3/8

H Class Transfer Chain



H78A
H130
H131



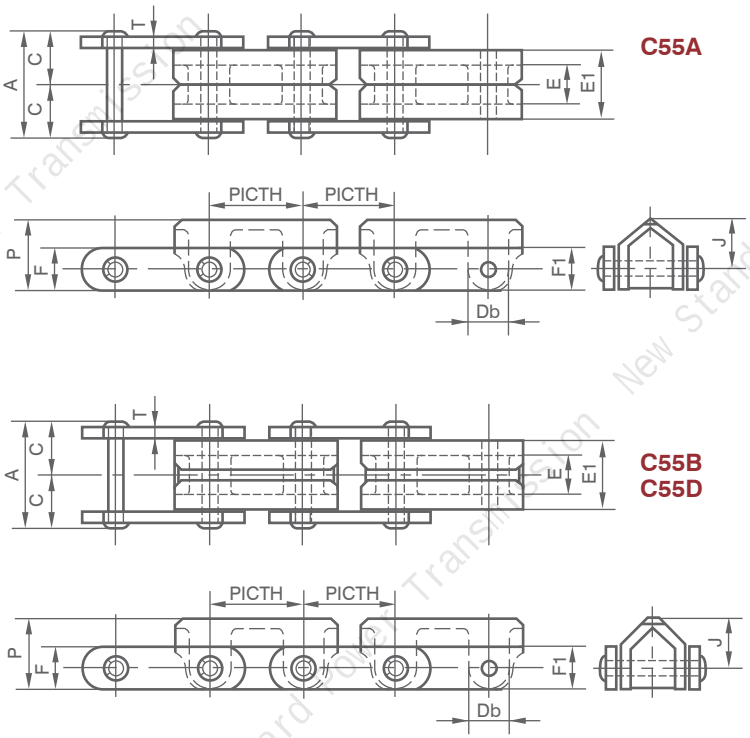
H78B
H138

Available In Riveted Construction Only

Moline Chain No.	Pitch in Inches	Dimensions in Decimal Inches										
		Ar	Br	C	Db	Dp	E	E1	F	J	P	W
H78A	2.609	3.25	1.62	1.56	0.88	0.500	1.12	1.88	1.00	1.12	1.69	2.81
H78B	2.609	3.25	1.62	1.56	0.88	0.500	1.12	1.88	1.00	1.12	1.69	2.81
H130	4.000	3.25	1.63	1.63	1.00	0.500	1.00	1.62	1.06	1.16	1.69	2.81
H131	4.000	4.00	2.06	1.94	1.25	0.625	1.62	2.50	1.56	1.47	2.25	3.44
H138	4.000	3.25	1.62	1.62	1.00	0.500	1.00	1.62	1.06	1.16	1.69	2.81

Moline Chain No.	Pitch in Inches	Links Per 10 Feet	Weight Per Foot Lbs.	Average Ultimate Strength Load Lbs.	Recommended Maximum Working Load Lbs.
H78A	2.609	46	5.6	20800	2820
H78B	2.609	46	6.1	20800	2820
H130	4.000	30	5.2	18200	2440
H131	4.00	30	8.4	29900	4700
H138	4.000	30	5.8	19500	2440

C Combination Chain Transfer



Available in riveted construction only

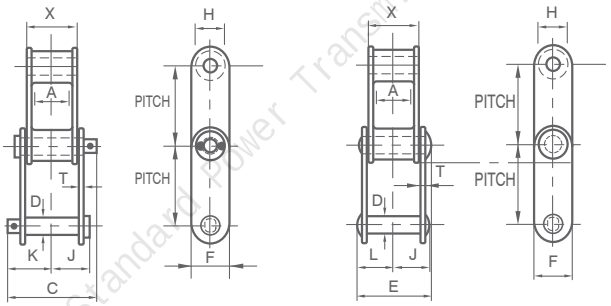
Moline Chain No.	Pitch in Inches	Dimensions in Decimal Inches										
		A	C	Db	Dp	E	E_1	F	F_1	J	P	T
C55A	1.631	2.000	1.000	0.72	0.375	0.69	1.19	0.75	0.75	0.88	1.25	0.19
C55B	1.631	2.000	1.000	0.72	0.375	0.69	1.19	0.75	0.75	0.88	1.25	0.19
C55D	1.631	2.000	1.000	0.72	0.375	0.69	1.19	0.75	0.88	0.88	1.25	0.19

Moline Chain No.	Pitch in Inches	Links Per 10 Feet	Weight Per Foot Lbs.	Average Ultimate Strength Load Lbs.	Recommended Maximum Working Load Lbs.
C55A	1.631	74	3.2	11700	1400
C55B	1.631	41	3.2	11700	1400
C55D	1.631	71	3.2	11700	1400

C Combination Chain

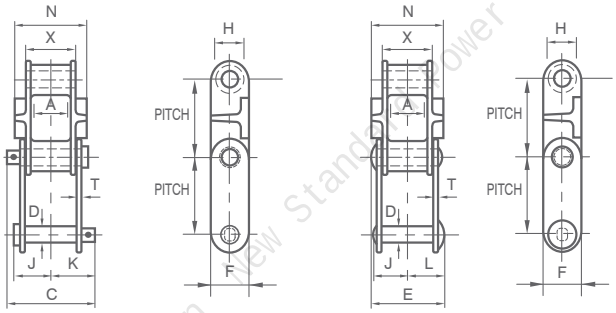
ANSI/ASME B29. 11M. 1984

"C" Type Combination Chain



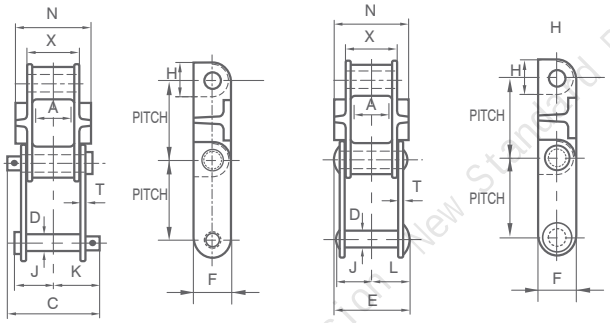
Cottered Riveted

"MBP" Type Combination Chain



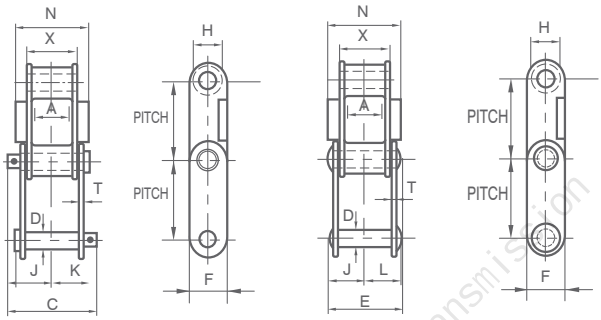
Cottered Riveted

"PW" Type Combination Chain



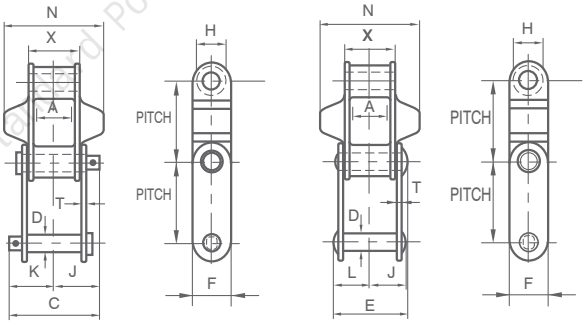
Cottered Riveted

"MWS" Type Combination Chain



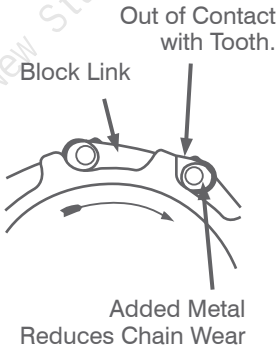
Cottered Riveted

"BRH" Type Combination Chain



Cottered Riveted

Elliptical Barrel



C Combination Chain

ANSI/ASME B29.11M. 1984

Moline Chain NO.	Pitch in Inches	Dimensions in Decimal Inches											
		A	C	D	E	F	H	J	K	L	N	T	X
C55	1.631	0.69	2.06	0.375	1.97	0.75	0.72	0.97	1.09	1.00	—	0.19	1.25
C55C		0.69	2.06	0.375	1.97	0.75	0.72	0.97	1.09	1.00	—	0.19	1.25
C60	2.307	0.88	2.94	0.500	2.88	1.00	0.75	1.31	1.44	1.31	—	0.25	1.69
C77	2.308	0.69	2.38	0.437	2.25	0.88	0.72	0.97	1.19	1.12	—	0.19	1.25
C188	2.609	0.94	2.69	0.500	2.50	1.12	0.88	1.25	1.38	1.25	—	0.25	1.56
MW188		1.12	3.00	0.500	2.94	1.12	0.88	1.41	1.50	1.47	—	0.25	1.88
BRH188		0.94	0.69	0.500	2.50	1.12	0.88	1.25	1.38	1.25	3.12	0.25	1.56
MWS188		1.12	3.00	0.500	2.94	1.12	0.88	1.41	1.50	1.47	2.38	0.25	1.88
C131	3.075	1.12	3.75	0.625	3.50	1.50	1.22	1.62	1.88	1.75	—	0.38	2.06
C102B	4.000	2.00	4.56	0.625	4.38	1.50	0.97	2.06	2.28	2.19	—	0.38	2.91
C1021/2	4.040	2.00	5.00	0.750	4.38	1.75	1.38	2.12	2.50	2.19	—	0.38	2.91
C111	4.760	2.38	5.44	0.750	5.00	1.75	1.44	2.38	2.72	2.50	—	0.38	3.38
C111C		2.38	5.44	0.750	5.00	1.75	1.44	2.38	2.72	2.50	—	0.38	3.38
C110		1.94	4.56	0.625	4.38	1.50	1.25	2.06	2.28	2.19	—	0.38	2.88
C133	6.000	1.25	4.31	0.875	4.00	2.00	1.75	1.81	2.16	2.00	—	0.38	2.88
C132		3.12	6.25	1.000	6.50	2.00	1.72	3.06	3.38	3.25	—	0.50	4.31
PW132	6.050	3.12	6.75	1.000	6.50	2.00	1.72	3.06	3.38	3.25	5.88	0.50	4.31
MBP132		3.12	6.75	1.000	6.50	2.00	1.72	3.06	3.38	3.25	5.88	0.50	4.31
MBP132C		3.12	6.75	1.000	6.50	2.00	1.72	3.06	3.38	3.25	5.88	0.50	4.31

Moline Chain NO.	Pitch in Inches	Links Per Foot	Weight Lbs Per Foot	Average Ultimate Strength Lbs	Allowoble Chain Pull Povnas Lbs	Availoble Attachments
C55	1.631	74	2.2	12150	1400	A22, G19, K1
C55C		74	2.5	12150	1400	
C60	2.307	52	3.0	25300	2620	K1
C77	2.308	32	2.3	14850	1640	F2, K1, K2
C188	2.609	46	3.6	18900	2350	A22, G6, G19, F2, K1, K2
MW188		46	4.0	21600	2720	
BRH188		46	4.8	18900	2350	
MWS188		46	4.5	21600	2720	
C131	3.075	39	6.8	32400	3880	F2, K1, K2
C102B	4.00	30	6.8	32400	5400	G6, G19, K2, S1
C1021/2	4.040	30	9.5	48600	6530	G6, F2, K2, S1
C111	4.760	25.5	9.4	48600	7590	F2, K2, S1
C111C		25.5	9.4	48600	7590	K2
C110	6.000	20	6.3	32400	5380	K2, F2
C133		20	8.8	60000	8900	
C132	6.050	20	13.4	67500	11250	K2, S1
PW132		20	16.1	67500	11250	
MBP132		20	15.7	67500	11250	
MBP132C		20	15.7	67500	11250	

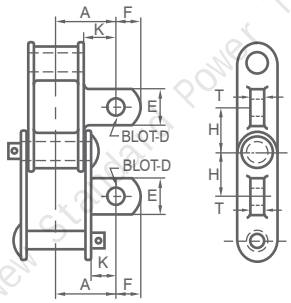
C Combination Chain

ANSI/ASME B29.11M. 1984

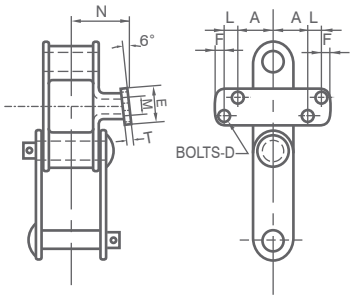
Attachments

A22-ATTACHMENT

Motine Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches						
		A	D	E	F	H	K	T
C55-A22	2.9	1 1/2	5/16	3/4	7/16	13/16	9/16	1/4
C188-A22	3.8	1 7/16	3/8	1 3/16	21/32	1 5/16	21/32	3/8



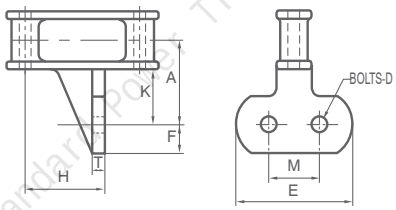
G6-ATTACHMENT



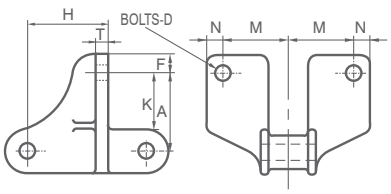
Motine Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches							
		A	D	E	F	L	M	N	T
C102 1/2-G6	11.1	11/16	3/8	2 1/4	9/16	11/16	7/8	2 5/8	1/4
C102B-G6	8.0	27/32	3/8	2	1/2	11/16	9/16	2	9/32
C188-G6	4.5	27/32	1/4	1 3/8	3/8	11/16	9/16	1 1/2	1/4

G19-ATTACHMENT

Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches							
		A	D	E	F	L	M	N	T
C55-G19	2.7	1 11/16	5/16	1 3/4	9/16	1 1/32	1 3/32	7/8	1/4
C102B-G19	7.8	2 3/8	3/8	3 7/8	9/16	2	1 11/32	2 7/8	9/32
C188-G19	4.2	1 7/8	3/8	2 7/8	9/16	1 7/8	1 3/32	1 1/2	1/4



F2-ATTACHMENT



Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches							
		A	D	E	F	L	M	N	T
C77-F2	2.9	1 3/8	5/16	9/16	1	15/16	7/8	13/32	1/4
C1021/2-F2	13.0	2	3/8	1 1/16	2 29/32	1 1/8	2 7/8	11/16	5/16
C111-F2	11.4	2	3/8	1	3	1 1/8	3 3/16	5/8	11/32
C111C-F2	10.1	2	3/8	1	3	1 1/8	3 3/16	5/8	11/32
C131-F2	9.2	1 11/16	3/8	1 1/16	2 1/8	15/16	2 11/32	23/32	5/16
C188-F2	4.5	1 1/2	5/16	11/16	1 3/8	15/16	1	3/8	5/16

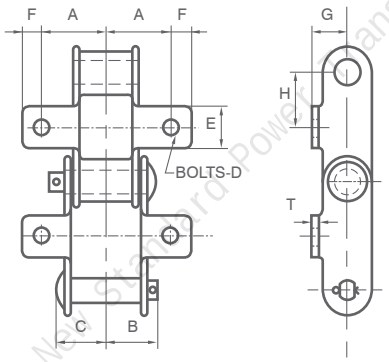
C Combination Chain

ANSI/ASME B29.11M. 1984

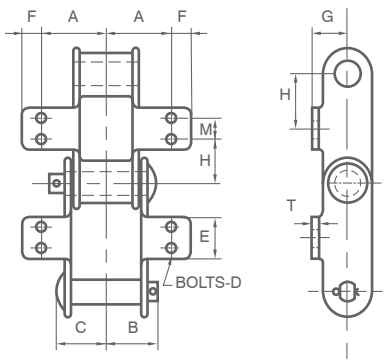
Attachments

K1-ATTACHMENT

Motine Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches								
		A	B	C	D	E	F	G	H	T
C55-K1	2.4	1 1/64	1 1/16	29/32	1/4	13/16	7/16	1/2	13/16	5/32
C60-K1	4.7	1 1/2	1 9/16	1 3/8	5/16	1	1/2	5/8	1 5/32	1/4
C77-K1	2.6	1 1/2	1 3/32	1	3/8	1 1/8	9/16	21/32	1 5/32	2/32
C131-K1	7.2	2 1/16	1 29/32	1 23/32	3/8	1 1/2	11/16	1	1 1/2	3/8
C188-K1	4.0	1 7/8	1 13/32	1 9/32	3/8	1 3/16	3 3/64	13/16	1 5/16	1/4



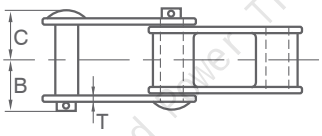
K2-ATTACHMENT

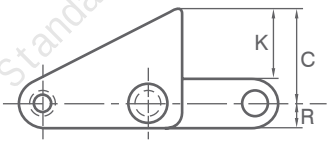


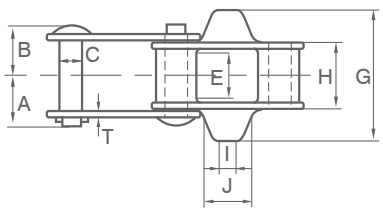
Motine Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches									
		A	B	C	D	E	F	G	H	M	T
C7-K2	5.2	2	1 5/8	1 1/2	5/8	2 1/8	1/2	13/16	3/4	1 1/8	1/4
C102B-K2	8.1	2 21/32	2 1/4	2 1/32	5/8	2 13/16	21/32	1	1 1/8	1 3/4	3/8
C1021/2-K2	11.0	2 21/32	2 1/2	2 9/32	1/2	2 13/16	19/32	1	1 5/32	1 3/4	3/8
C110-K2	7.1	2 21/32	2 21/64	2 1/32	3/8	2 7/8	21/32	1	2 1/8	1 3/4	3/8
C111-K2	11.2	3 1/8	2 21/32	2 21/64	1/2	3 1/2	5/8	1 1/8	1 7/32	2 5/6	3/8
C111C-K2	9.9	3 1/8	2 21/32	2 21/64	1/2	3 1/2	5/8	1 1/8	1 7/32	2 5/16	3/8
C131-K2	7.8	2 1/16	1 29/32	1 5/8	1/2	2 5/8	9/16	1	25/32	1 1/2	3/8
C132-K2	16.3	2 3/4	3 12/64	3 1/16	1/2	4	3/4	1 1/4	1 21/32	2 3/4	1/2
C188-K2	4.7	2 3/32	1 17/64	1 1/16	5/16	2 1/8	7/16	13/16	11/16	1 1/4	1/4

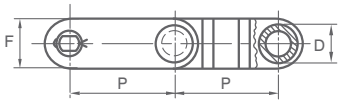
S1-ATTACHMENT

Moline Chain No.	Weight Per Foot. Pounds	Dimensions in Decimal Inches					
		B	C	G	K	R	T
C102B-S1	9.6	2 1/4	2 7/32	3 3/4	3	3/4	3/8
C1021/2-S1	12.3	2 1/2	2 9/32	3 3/4	2 7/8	7/8	3/8
C111-S1	12.6	2 21/32	2 15/32	4 3/8	3 1/2	7/8	3/8
C132-S1	19.6	3 3/8	3 1/8	5	4	1	1/2





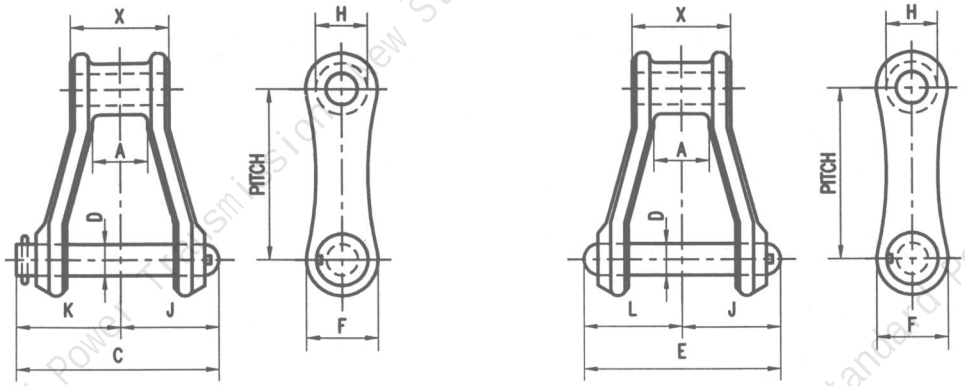




BRH188

Moline Chain No.	PITCH	Dimensions in Decimal Inches					
		G	H	I	J	Links Per 10Feet	Weight Per Foot 1bs
BRH188	66.3	79.4	39.7	18.3	28.6	46	18.20

400 Class Pintle Chain



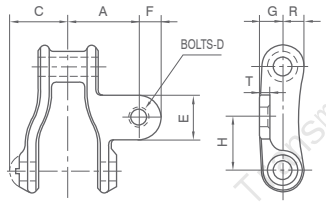
Available in riveted and cottered construction
Riveted furnished unless otherwise specified

Moline Chain NO.	Pitch in Inches	Dimensions in Decimal Inches									
		A	C	D	E	F	H	J	K	L	X
145	1.630	0.69	7.97	0.25	1.86	0.62	0.62	0.97	1.00	0.86	1.06
434	1.398	0.62	1.78	0.25	1.75	0.66	0.50	0.84	0.94	0.81	1.06
442	1.375	0.62	2.03	0.31	1.88	0.75	0.56	0.97	1.06	0.91	1.06
445	1.630	0.69	2.03	0.3	1.88	0.75	0.62	0.97	1.06	0.91	1.06
452	1.5006	0.62	2.22	0.38	2.06	0.84	0.69	1.03	1.19	1.03	1.09
455	1.630	0.69	2.22	0.38	2.06	0.84	0.62	1.03	1.19	1.03	1.12
462	1.634	0.88	2.56	0.44	2.38	0.94	0.72	1.25	1.31	1.12	1.44
477	2.308	0.69	2.38	0.44	2.25	1.00	0.72	1.16	1.22	1.09	1.25
483	4.000	1.06	3.38	0.50	3.15	1.27	0.94	1.69	1.69	1.46	2.11
488	2.609	0.94	2.94	0.44	2.75	0.94	0.88	1.44	1.50	1.31	1.02
4103	3.075	1.12	3.56	0.75	3.25	0.50	1.2	1.75	1.81	1.50	1.88
4124	4.063	1.2	4.75	0.81	4.40	1.75	1.72	2.25	2.50	2.16	2.58

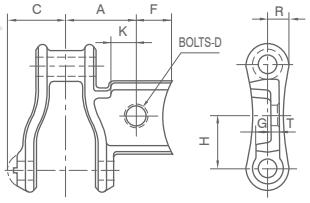
Moline Chain NO.	Pitch in Inches	Links Per 10 Feet	Weight Per Foot Lbs	Average Ultimate Strength Lbs	Allowable Chain Pull Pounds Lbs	Available Attachments
145	1.630	74	1.0	6400	780	E1 K1 F2
434	1.398	86	1.0	5600	720	
442	1.375	88	1.4	7800	1000	K1
445	1.630	74	1.5	7800	1000	K1 F2
452	1.506	80	2.0	9100	1250	A88 D5 E1 K1
455	1.630	74	1.9	9490	1260	A1 A3 K1 F2 F21 M1
462	1.634	74	2.5	11700	1800	A12 G1 K1 F2
477	2.308	52	2.0	12480	1640	A22 A11 D5 G1 G19 K1 F2 F6 F19
483	4.000	30	2.9	14300	2460	A22
488	2.609	46	9	14300	2130	G6 H19 K1 K2 F2 M1
4103	3.075	39	5.7	28600	4200	A22 A42 G6 K1 K2 F2 F29 M1
4124	4.063	30	8.5	92800	5500	K2 F8

400 Class Pintle Chain

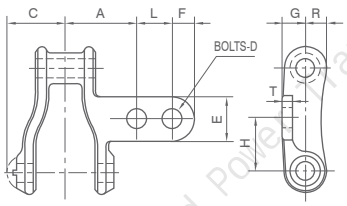
Attachments



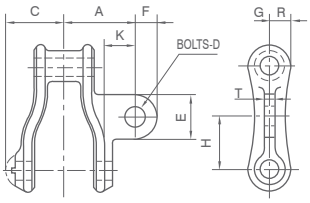
A1 attachment A



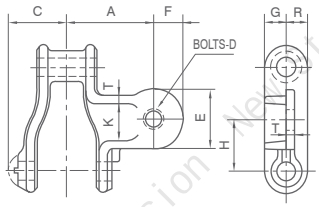
A3 attachment A



A12 attachment A



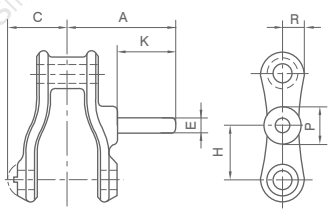
A22 A42 ASS attachment



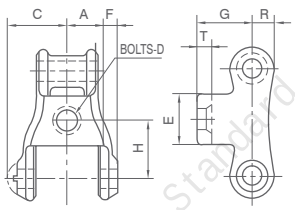
A115 attachment A

A - ATTACHMENTS

Moline Chain NO.	Weight Per Foot Pounds	Dimensions in Decimal Inches										
		A	C	D	E	F	G	H	K	L	R	T
445-A1	1.8	1 5/32	15/16	1/4	7/8	7/16	3/8	3/4	—	—	3/8	3/16
455-A3	2.9	1 3/4	1 1/16	1/4	1	3/4	9/3	3/16	9/16	—	27/64	5/22
462-A12	3.0	1 3/8	1 7/32	1/4	7/8	7/16	7/16	25/32	—	5/8	15/32	3/16
477-22	2.5	1 1/2	1 3/32	5/16	3/4	3/8	—	1 1/8	7/16	—	1/2	1/4
483-22	3.7	1 3/4	1 11/16	3/8	1 1/4	11/16	—	2	5/8	—	39/64	13/32
488-A22	3.1	1 7/16	1 13/32	38	1 1/8	7/16	—	1 5/16	1/32	—	15/32	1/4
4103-A22	7.2	2	1 21/32	5/8	1 5/8	13/16	—	1 7/16	5/8	—	3/4	17/32
4103-A42	7.2	1 5/64	1 21/32	3/8	1 7/16	23/32	—	1 1/2	17/32	—	3/4	13/32
452-A88	2.6	1 25/32	1 1/16	3/16	15/16	15/32	—	3/4	3/4	—	27/64	3/16
477-A115	3.0	2	1 3/32	3/8	1 3/8	11/16	1/2	1 5/32	7/8	—	1/2	3/16



D5 attachment

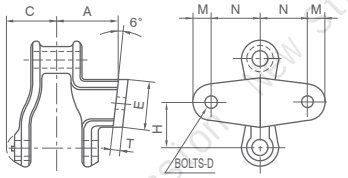


E1 attachment A

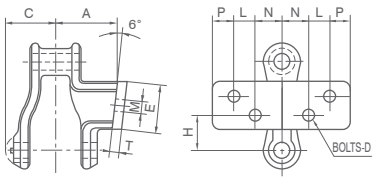
D and E - ATTACHMENTS

Moline Chain NO.	Weight Per Foot Pounds	Dimensions in Decimal Inches										
		A	C	D	E	F	G	H	K	L	R	T
452-D5	3.2	2 31/64	1 1/16	—	9/16	—	—	3/4	1 19/32	3/4	27/64	—
477-D5	3.5	2 13/16	1 3/32	—	5/8	—	—	1 5/32	1 9/16	1 1/4	1/2	—
145-E1	1.0	5/8	—	3/16	7/8	9/64	1/2	13/16	—	—	5/16	3/32
452-E1	2.3	23/32	—	1/4	11/16	11/64	1/2	25/32	—	—	27/64	1/8

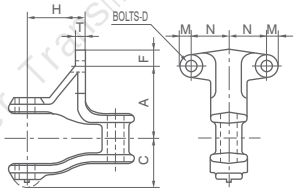
400 Class Pintle Chain



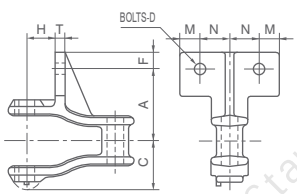
G1 attachment A



G6 attachment A



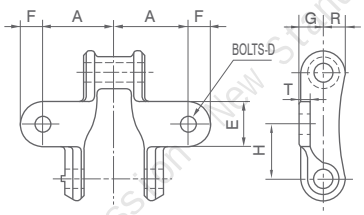
G19 attachment □



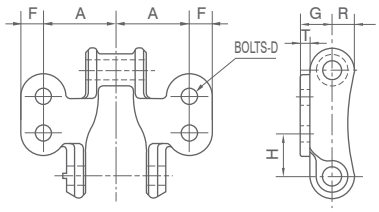
G19 attachment ■

G-ATTACHMENTS

Moline Chain No.	Weight Per Foot Pounds	Dimensions in Decimal Inches									
		A	C	D	E	F	H	L	M	N	T
462-G1	3.5	15/16	17/32	1/4	3/4	—	13/16	—	3/8	1	5/32
477-G1	3.7	17/16	13/32	5/16	15/16	—	11/8	—	7/16	15/16	1/4
488-G6	4.8	15/8	113/32	1/4	13/8	13/32	11/32	1 1/16	9/16	27/32	3/16
4103-G6	8.2	25/32	121/32	3/8	111/16	15/32	115/64	11/16	9/16	27/32	1/4
477-G19	3.4	13/4	13/32	3/8	—	9/16	1	—	1/2	1/8	5/32
488-G19	4.4	21/8	113/16	3/8	—	1/2	3/4	—	1/2	11/16	3/8



K1 attachment

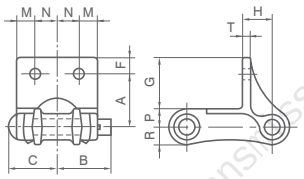


K2 attachment

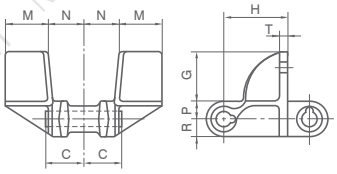
K-ATTACHMENTS

Moline Chain No.	Weight Per Foot Pounds	Dimensions in Decimal Inches									
		A	D	E	F	G	H	K	M	R	T
145-K1	1.5	1	3/16	15/16	13/32	7/16	11/16	—	—	5/16	5/32
442-K1	1.9	1	3/16	3/4	3/8	7/16	11/16	—	—	3/8	1/8
445-K1	2.1	11/32	3/16	15/16	3/8	7/16	23/32	—	—	3/8	1/8
452-K1	2.5	11/32	3/16	23/32	11/32	27/64	3/4	—	—	27/64	5/32
455-K1	2.3	1	1/4	13/16	15/32	7/16	13/16	—	—	27/64	5/32
462-K1	3.2	17/32	1/4	15/16	7/16	15/32	15/16	—	—	15/32	5/32
477-K1	2.9	11/2	1/4	1 3/8	15/32	21/32	1 5/32	—	—	1/2	5/32
488-K1	3.9	129/32	5/16	1 3/8	15/32	21/32	1 5/16	—	—	15/32	3/16
4103-K1	7.5	23/32	3/8	1 23/32	5/8	13/16	1 1/2	—	—	3/4	7/32
488-K2	4.6	113/16	5/16	2 1/8	7/16	21/32	21/32	—	11/4	15/32	3/16
4103-K2	8.36	21/16	1/2	2 5/8	9/16	27/32	25/32	—	11/2	3/4	5/16
4124-K2	11.7	21/2	3/8	31/8	5/8	13/16	11/8	—	113/16	7/8	9/32

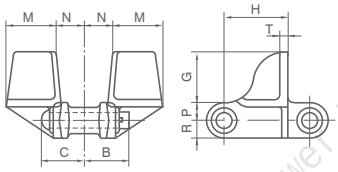
400 Class Pintle Chain



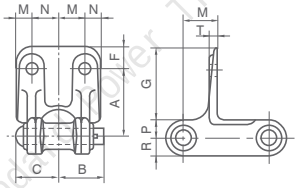
F2 F8 attachment



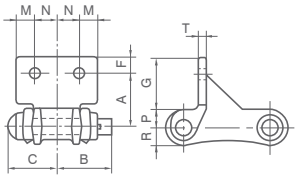
F16 attachment



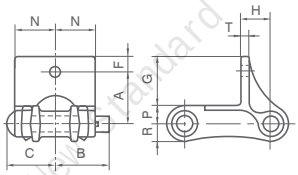
F16 attachment



F19 attachment



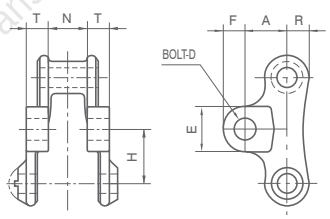
F29 attachment



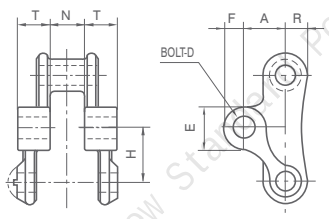
F21 attachment

F-ATTACHMENTS

Moline Chain No.	Weight Per Foot Pounds	Dimensions in Decimal Inches											
		A	B	C	D	F	G	H	M	N	P	R	T
145-F2	1.8	15/16	1	31/32	3/16	11/32	29/32	5/8	7/32	17/32	3/8	5/16	5/32
445-F2	2.0	15/16	1 1/16	15/16	3/16	11/32	29/32	5/8	7/32	17/32	3/8	3/8	5/32
455-F2	2.7	15/16	1 3/16	1 1/16	3/16	5/16	13/16	5/8	3/8	17/32	7/16	27/64	5/32
462-F2	3.5	1	1 11/32	1 7/32	3/16	5/16	13/16	5/8	33/64	17/32	1/2	15/32	5/32
477-F2	3.7	1 7/16	1 7/32	1 3/32	5/16	9/16	1 1/2	3/4	7/16	7/8	1/2	1/2	1/4
488-F2	4.5	1 3/8	1 15/32	1 13/32	5/16	19/32	1 1/2	1 1/16	27/64	1 1/64	15/32	15/32	9/32
4103-F2	9.3	2	1 15/16	1 21/32	3/8	21/32	1 29/32	1 1/4	29/64	1 7/64	3/4	3/4	13/32
4124-F8	16.9	2 3/16	2 1/2	2 1/4	1/2	1 11/16	3	2 3/16	1 1/32	1 15/32	7/8	7/8	1/2
477-F16	3.3	—	1 7/32	1 3/32	—	—	7/8	1 1/8	1 1/4	3/4	7/16	1/2	5/32
488-F16	4.4	—	1 15/32	1 13/32	—	—	1 5/32	1 3/8	1 9/16	31/32	15/32	15/32	5/32
488-F19	4.6	2 15/32	1 15/32	1 13/32	3/8	3/4	2 3/4	1 1/16	7/16	1 1/64	15/32	15/32	5/16
455-F21	2.6	1 1/16	1 3/16	1 1/16	1/4	3/8	1	5/8	57/64	7/16	27/64	—	3/16
4103-F29	10.0	2	1.15/16	1 27/32	3/8	21/32	1 29/32	2 5/8	29/64	1 7/64	3/4	3/4	13/32



M1 attachment A



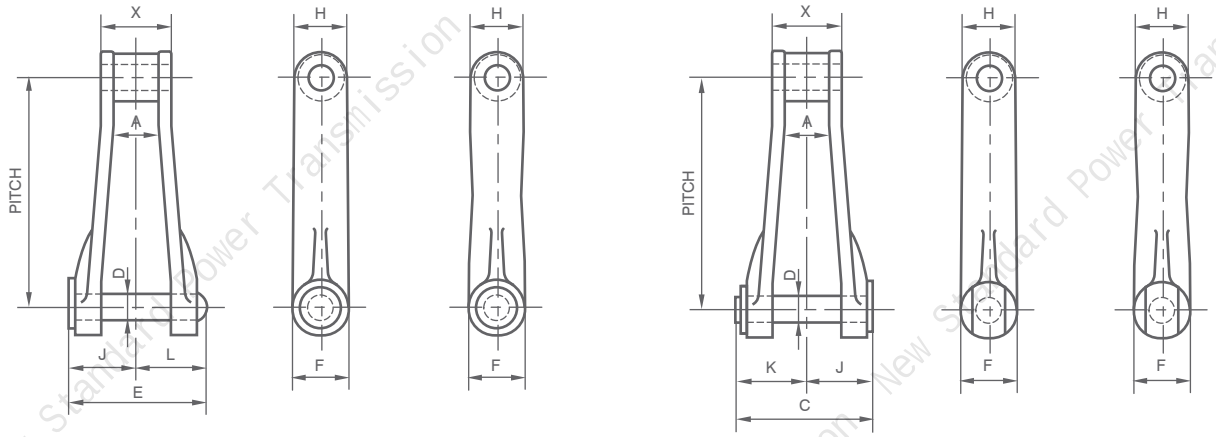
M1 attachment A

M-ATTACHMENTS

Moline Chain No.	Weight Per Foot Pounds	Dimensions in Decimal Inches							
		A	D	E	F	H	N	R	T
455-M1	2.8	5/8	3/8	13/16	13/32	13/16	13/16	27/64	23/64
488-M1	4.4	7/8	1/2	1 1/8	9/16	1 1/4	1 1/8	15/32	21/32
4103-M1	7.1	1 1/8	1/2	1 1/8	9/16	1 1/2	1 5/8	3/4	9/16

700 Class Pintle Chain

ANSI B29.21M-1981



Available in riveted or cottered construction
Cottered furnished unless otherwise specified

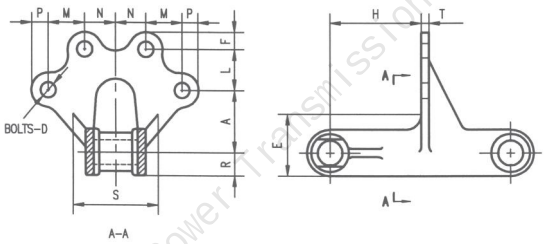
Moline Chain NO.	Pitch In Inches	Dimensions in Decimal Inches									
		A	C	D	E	F	H	J	K	L	X
701	4.720	2.38	5.72	0.69	5.50	1.38	1.125	2.69	3.03	2.81	3.07
720	6.000	1.12	3.44	0.69	3.31	1.50	1.38	1.62	1.81	1.69	1.81
720S	6.000	1.12	3.81	0.75	3.69	1.56	1.44	1.75	2.06	1.94	1.88
720SC	6.000	1.12	3.81	0.75	3.69	1.56	1.44	1.75	2.06	1.94	1.88
730	6.000	1.12	3.81	0.75	3.69	1.75	1.50	1.81	2.00	1.88	2.00
730SC	6.000	1.12	3.81	0.75	3.69	1.75	1.50	1.81	2.00	1.88	2.00
788	2.609	0.94	3.31	0.56	3.19	1.19	0.88	1.56	1.75	1.62	1.62

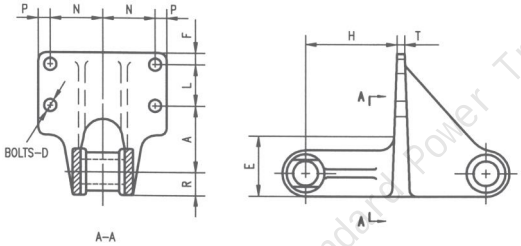
Moline Chain No.	Pitch IN Inches	Links Per 10 Feet	Weight Per Foot Lbs.	Average Ultimate Strength Lbs.	Allowable Chain Pull Pounds Lbs.	Available Attachments
710	4.720	25 1/2	6.3	42000	4200	K2
720	6.000	20	4.2	28600	3720	F2
720S	6.000	20	5.2	39000	4200	F2、F226、F228
720SC	6.000	20	5.6	42000	4200	F2、F226、F228
730	6.000	20	6.0	39000	4500	F2、F3、F226、F228、A42、K2
730SC	6.000	20	6.4	39000	4500	F2、F3、F226、F228
788	2.609	46	4.6	22750	2740	

700 Class Pintle Chain

ANSI B29.21M-1981

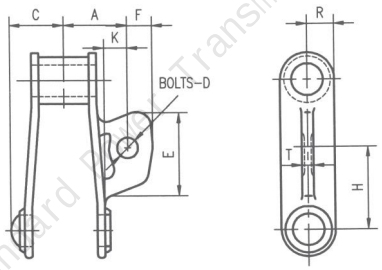
Attachments





F - ATTACHMENTS

Moline Chain NO.	Weight Per Foot Pounds	Dimensions in Decimal Inches										
		A	D	E	F	H	L	M	N	P	R	S	T
720-F2	6.6	2	1/2	1 1/2	9/16	3	1 5/16	5/32	31/32	17/32	3/4	2 3/4	1/4
720S-F2	7.9	2	3/8	1 5/8	9/16	3	1 5/16	5/32	31/32	9/16	25/32	—	1/4
720SC-F2	8.4	2	3/8	1 9/16	9/16	3	1 5/16	5/32	31/32	9/16	25/32	—	1/4
730-F2	7.7	2	3/8	1 3/4	17/32	3	1 5/16	5/32	31/32	17/32	7/8	2 5/8	3/8
730SC-F2	9.4	2	3/8	1 3/4	17/32	3	1 5/16	5/32	31/32	17/32	7/8	—	3/8
730-F3	13.4	2 5/8	1/2	1 3/4	7/8	3	2 1/2	—	1 7/8	11/16	7/8	—	9/32
730SC-F3	13.4	2 5/8	1/2	1 3/4	7/8	3	2 1/2	—	1 7/8	11/16	7/8	—	9/32
720S-F226	11.4	2 3/8	3/8	1 5/8	1	3	2 5/8	—	1 7/8	11/16	25/32	—	5/16
720SC-F226	10.2	2 3/8	3/8	1 9/16	7/8	3	2 5/8	—	1 7/8	5/8	25/32	—	1/4
730-F226	13.0	2 3/8	3/8	1 3/4	1	3	2 5/8	—	1 7/8	11/16	7/8	—	9/32
730SC-F226	12.9	2 3/8	3/8	1 3/4	1	3	2 5/8	—	1 7/8	3/4	25/32	—	9/32
720S-F228	13.5	2 3/8	3/8	1 9/16	7/8	3	4 1/2	—	1 7/8	7/8	25/32	—	1/4
720SC-F228	11.9	2 3/8	3/8	1 9/16	7/8	3	4 1/2	—	1 7/8	7/8	25/32	—	1/4
730-F228	15.5	2 3/8	3/8	1 3/4	1 1/8	3	4 1/2	—	1 7/8	11/16	7/8	—	9/32
730SC-F228	14.6	2 3/8	3/8	1 3/4	7/8	3	4 1/2	—	1 7/8	7/8	7/8	—	9/32

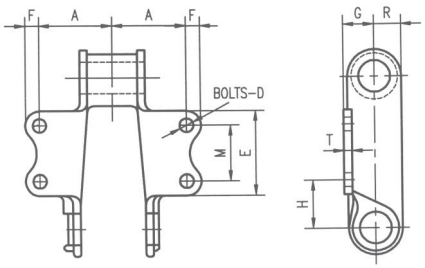


A - ATTACHMENTS

Moline Chain NO.	Weight Per Foot Pounds	Dimensions in Decimal Inches								
		A	C	D	E	F	H	K	R	T
730-A42	7.3	2 7/16	1 27/32	5/8	3 1/4	13/16	3	1 1/8	7/8	5/8

K - ATTACHMENTS

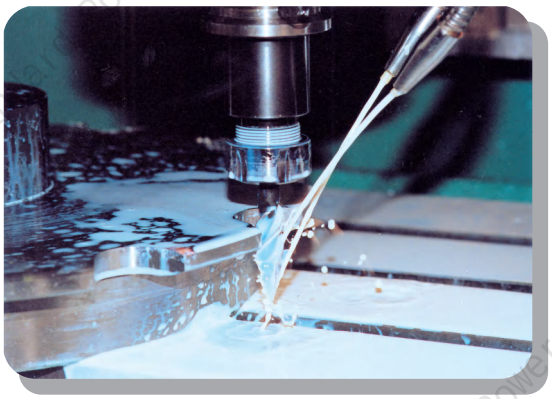
Moline Chain NO.	Weight Per Foot Pounds	Dimensions in Decimal Inches								
		A	D	E	F	G	H	M	R	T
710-K2	8.1	3 1/8	3/8	3 5/16	17/32	13/16	1 3/16	2 5/16	11/16	1/4
730-K2	8.6	3	1/2	4	11/16	1	1 11/16	2 5/8	7/8	5/16



Flame Cut Sprockets

Setting with series of engineered conveying sprockets, NSPT also offers different kinds of engineered conveying chains and pearlitic malleable cast iron chains, which are supplied by first class chain manufacturers.





Special Note

Conveyor chain wheels with large pitch produced by CHSSB has fine finish surface. Teeth are milled and peeled by CNC center, so they are with fine precision and smooth finish. Teeth can be tempered and the hardiness can reach HRC50. These chain wheels can be machined as finished bore or taper bore according to customers' requests. Surface can be treated with oxidizing, phosphating, painting or Zinc-plating.