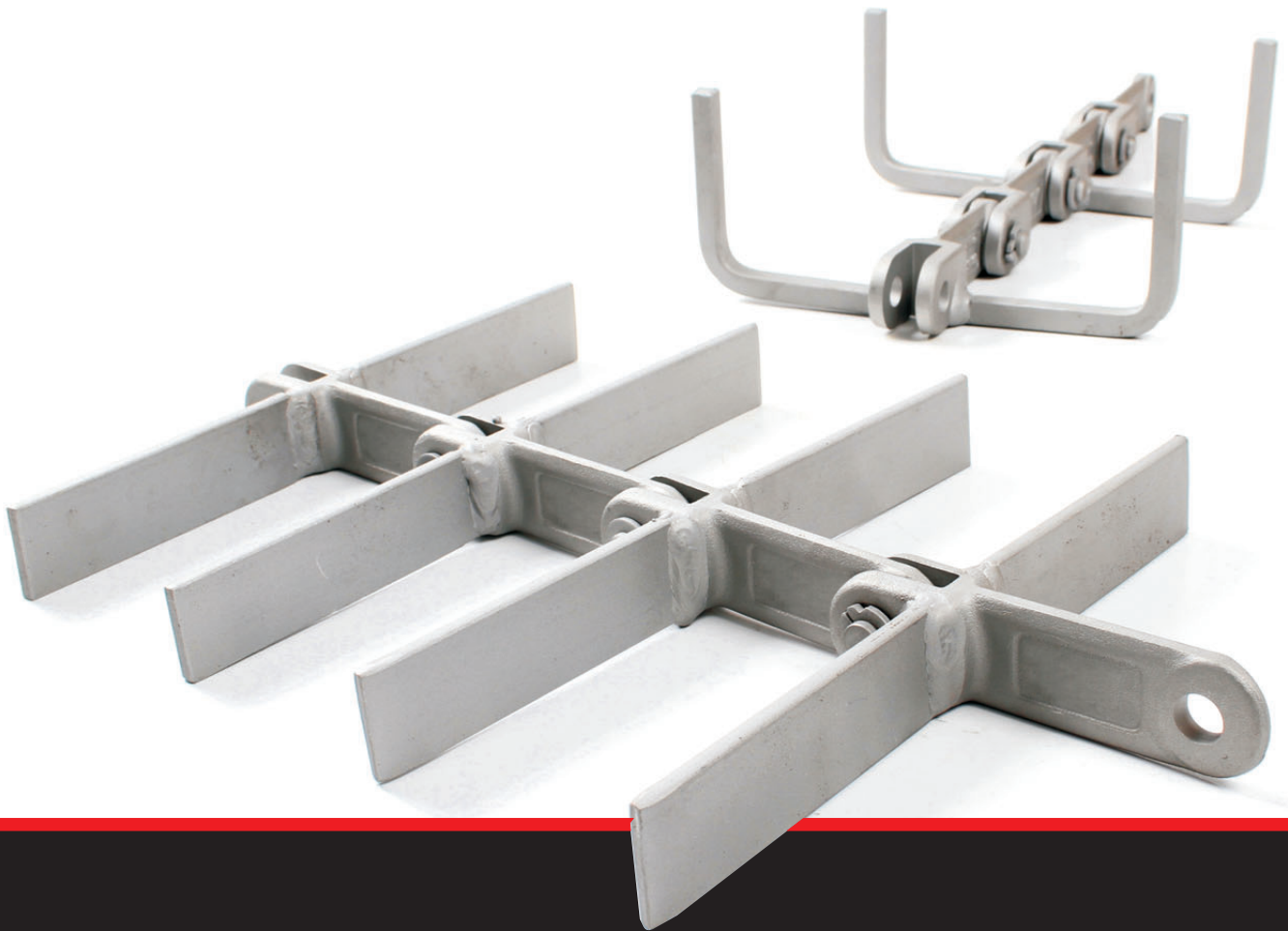
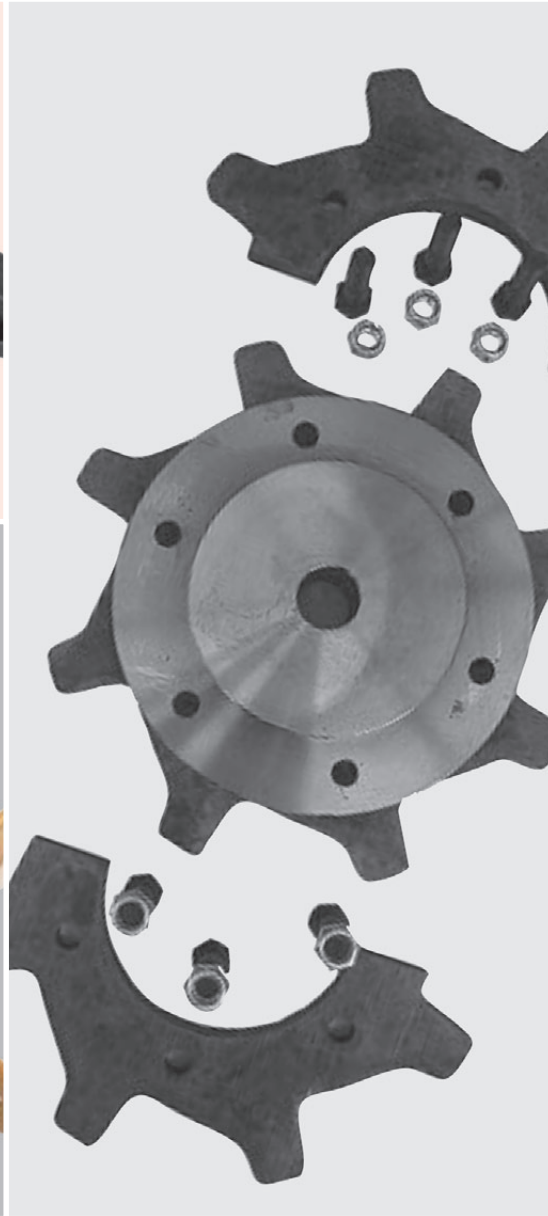
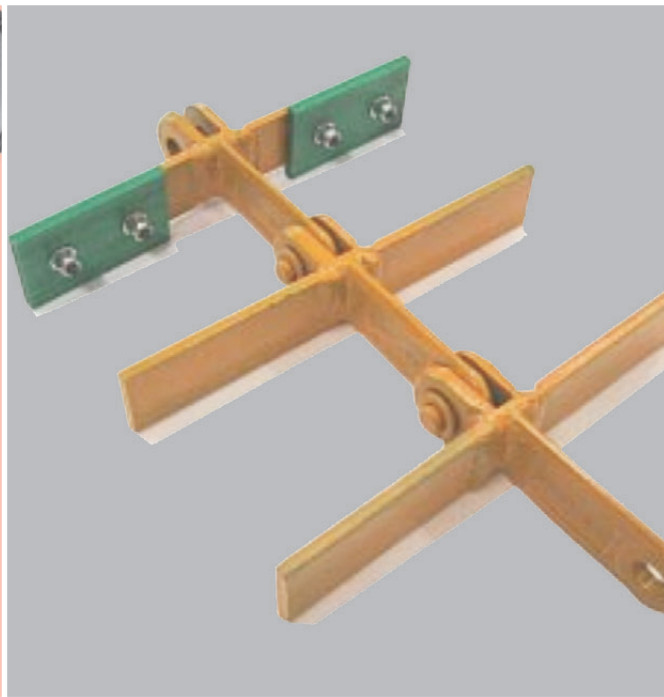
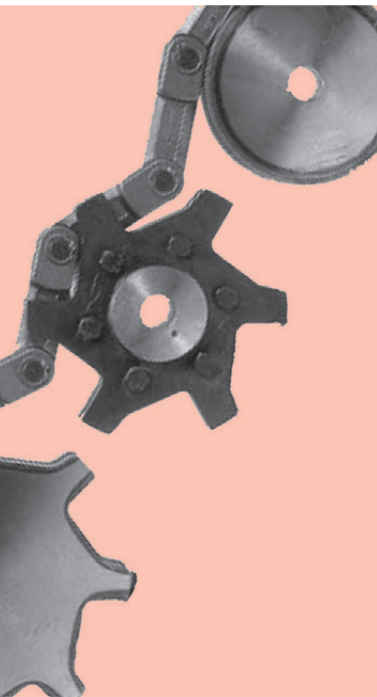
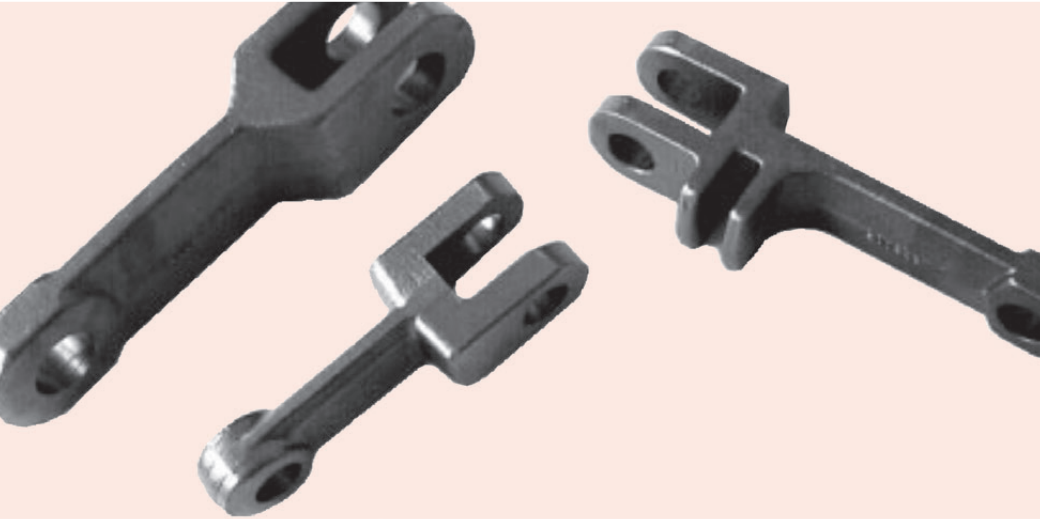




BEARING MAN GROUP



FORGED SCRAPER CHAIN
Technical Guide

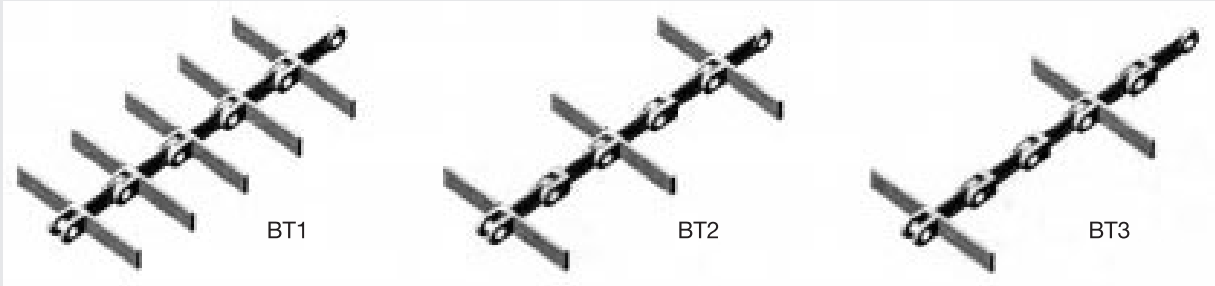


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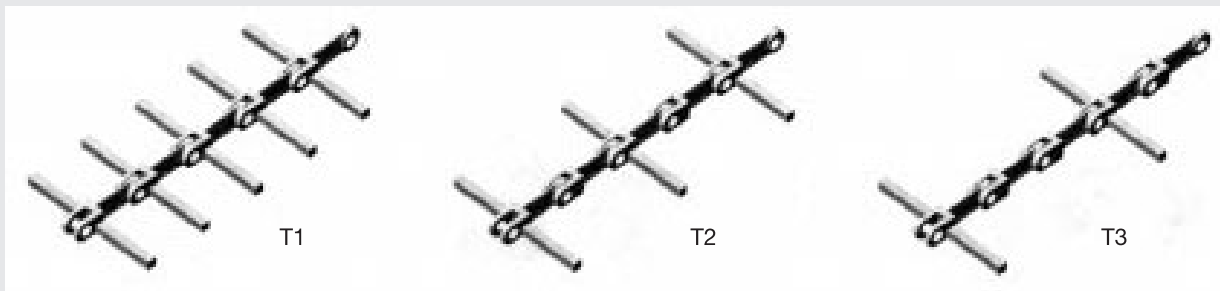
ASSEMBLY SEQUENCES	1
EXAMPLES OF STANDARD LINKS	2
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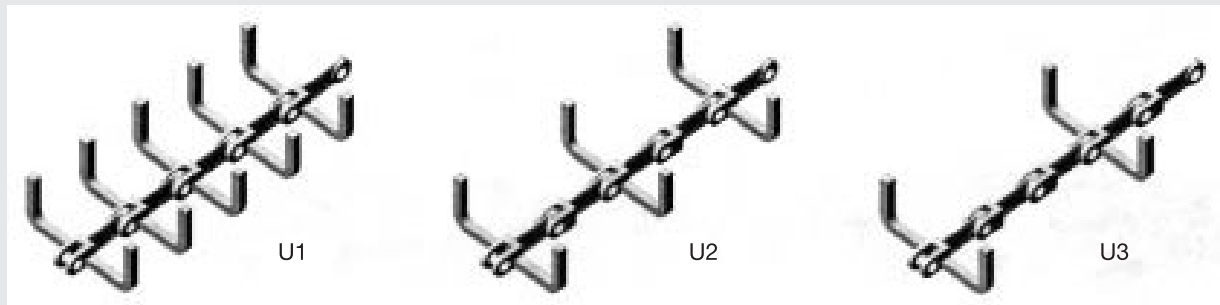
Flat scrapers



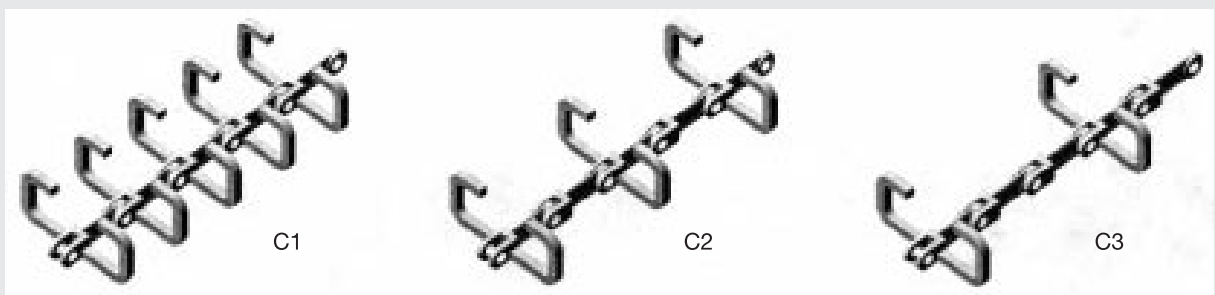
Square scrapers



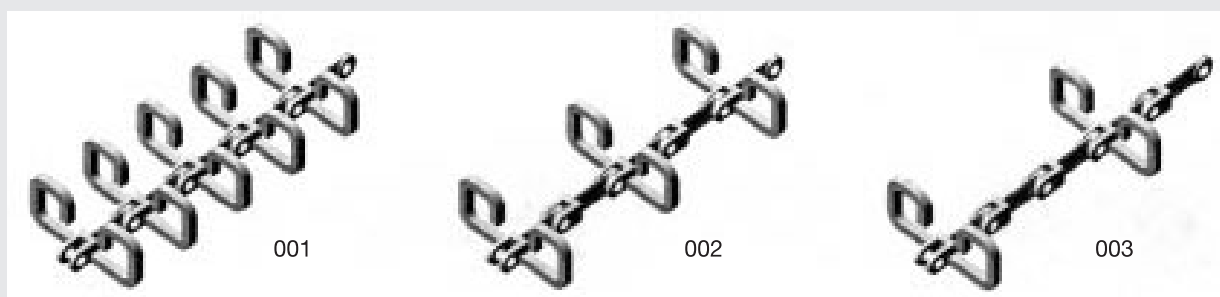
Square scrapers "U" shape



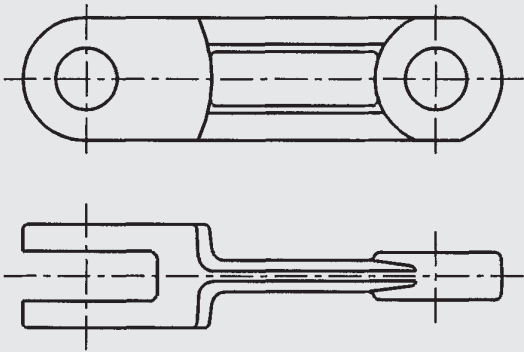
Square scrapers "C" shape



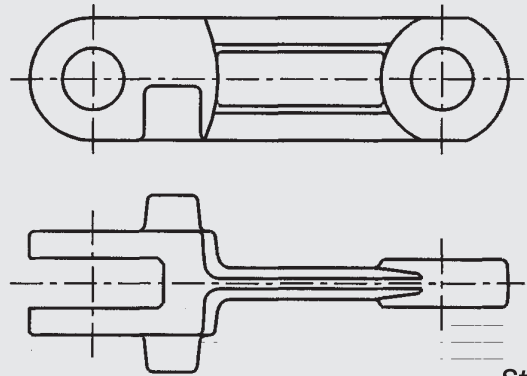
Square scrapers double "00"



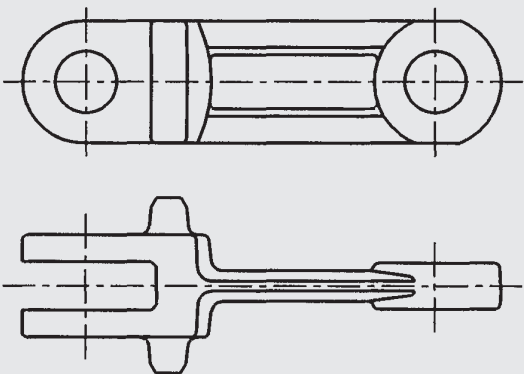
EXAMPLES OF STANDARD LINKS



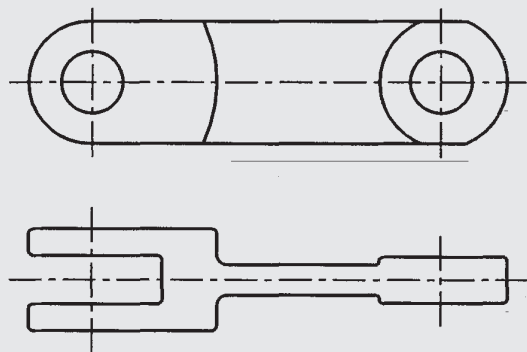
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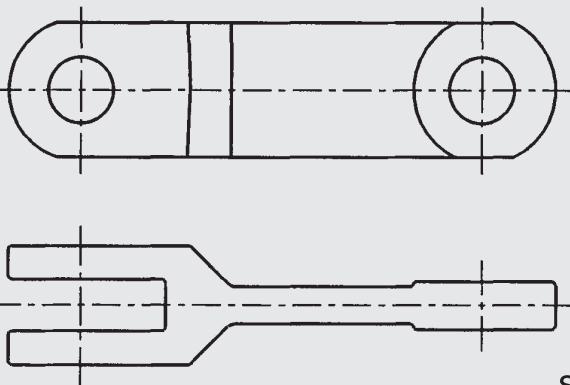
Style 2



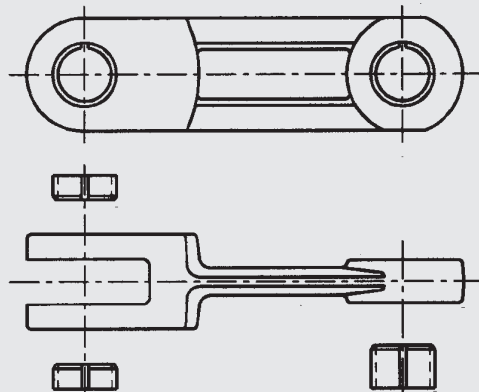
Style 3



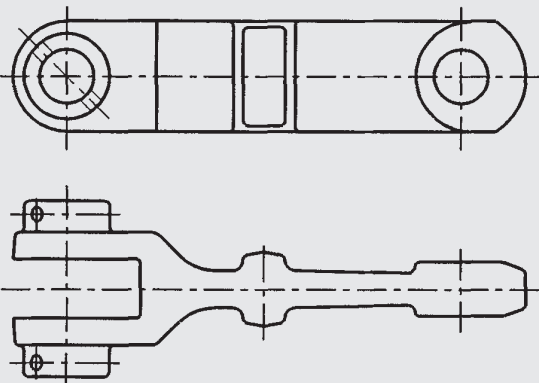
Style 4



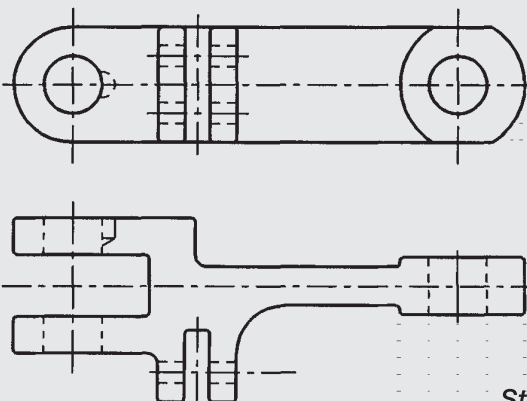
Style 5



Style 6



Style 7

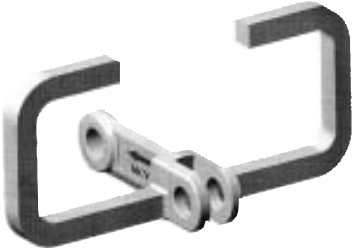
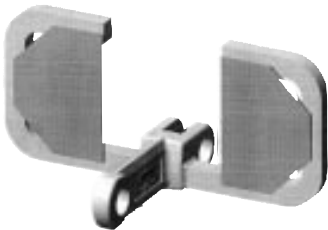
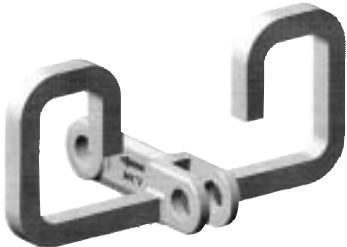



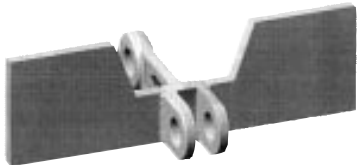



Style 8

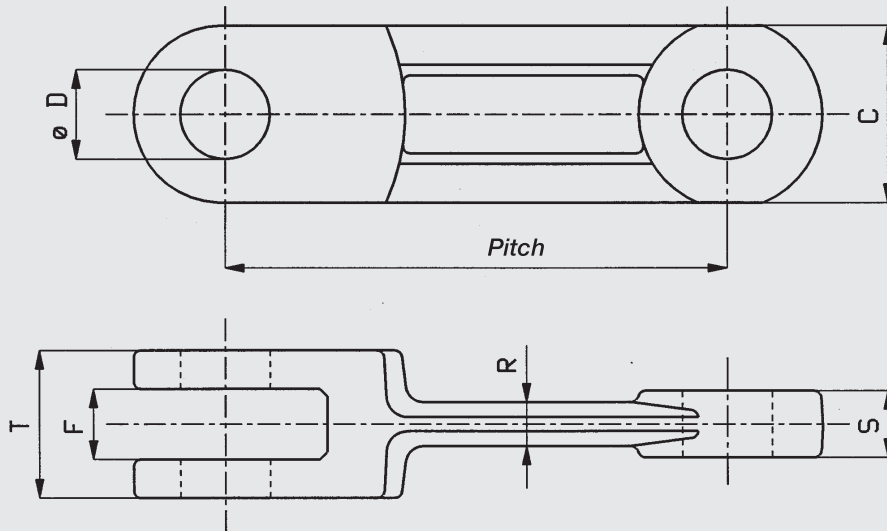
AVERAGE BREAKING LOADS

code	DIMENSIONS					
	MN kN	CN kN	C45 kN	CD kN	Style	Weight per meter kg/m
7625	71	77	93	126	1	2,70
10160	110	120	150	210	1	3,50
10160/R	180	195	235	330	1	4,80
12514	163	175	212	290	1	4,40
13514	212	230	278	375	1	5,90
14214	180	195	235	330	1	4,90
14216	230	245	300	405	4	7,70
14218	290	320	370	550	1	9,40
142180	290	320	370	550	2	10,40
142181	290	320	370	550	3	10,80
14222	370	400	480	655	4	12,20
14226	440	470	570	790	1	13,60
14290	155	165	200	270	1	5,30
15010	190	205	250	330	1	4,50
15012	190	205	250	330	1	5,70
15014	227	245	300	405	1	9,80
15090	155	165	200	270	1	5,80
16018	320	342	420	560	7	9,30
16025	370	400	480	655	4	10,80
16390	900	950	1200	1600	3	44,00
20025	380	410	500	670	4	11,30
20028	500	540	660	900	4	16,70
200281	500	540	660	900	3	18,40
21640	585	630	765	1035	5	20,70
22040	585	630	765	1035	5	20,30
22050	710	760	930	1260	4	19,10
22060	735	790	960	1300	4	22,90
25040	735	860	1050	1430	4	18,80
26035	840	900	1100	1480	1	19,80
26040	840	900	1100	1480	1	21,00
26045	930	1000	1220	1650	4	21,80
142182	290	320	370	550	8	11,60
142262	440	470	570	790	8	16,70
160252	370	400	480	655	8	13,60
175402	540	580	705	955	8	20,30
200182	250	265	325	440	8	8,20
200252	380	410	500	670	8	13,00
200402	540	580	705	955	8	19,30
250252	380	410	500	670	8	12,00
250402	540	580	705	955	8	17,70
250602	975	1050	1270	1720	8	35,20

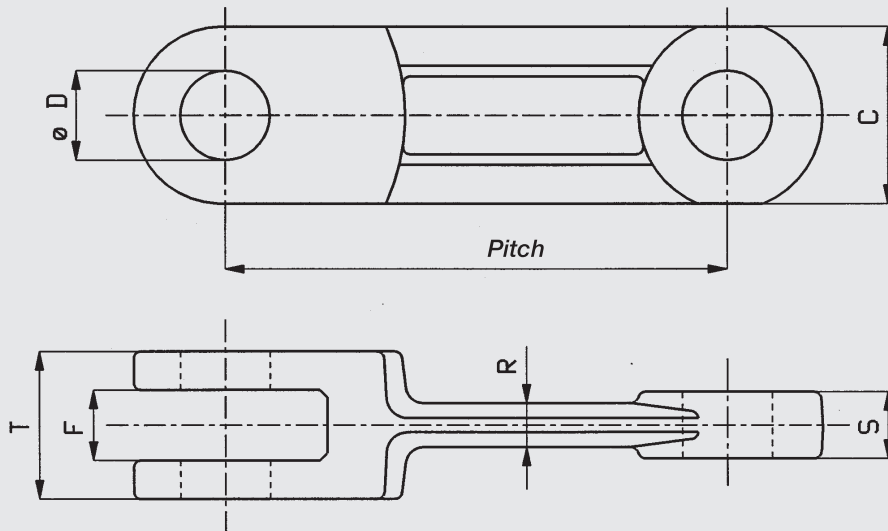
<i>Shape of the scrapers</i>	<i>Description</i>	<i>Type of plant</i>
 <p>1</p>	<p><i>Link with square stud</i></p>	<p><i>Horizontal or slightly inclined chain conveyors 5° / 10°</i></p>
 <p>2</p>	<p><i>Link with flat stud</i></p>	<p><i>Horizontal or slightly inclined chain conveyors 5° / 10°</i></p>
 <p>3</p>	<p><i>Link with flat stud with cleaner</i></p>	<p><i>Horizontal or slightly inclined chain conveyors 5° / 10°</i></p>
 <p>4</p>	<p><i>Link with square stud bent "U" form</i></p>	<p><i>Inclined chain conveyors max 25°</i></p>

<i>Shape of the scrapers</i>	<i>Description</i>	<i>Type of plant</i>
 <p>5</p>	<p><i>Link with square stud bent "C" form</i></p>	<p><i>Inclined chain conveyors more than 25°</i></p>
 <p>6</p>	<p><i>Link with square stud bent "C" form with filling sheet</i></p>	<p><i>Inclined chain conveyors more than 25°</i></p>
 <p>7</p>	<p><i>Link with square stud bent double "00"</i></p>	<p><i>Inclined and vertical chain conveyors</i></p>
 <p>8</p>	<p><i>Link with square stud double "00" with filling sheet</i></p>	<p><i>Inclined and vertical chain conveyors</i></p>

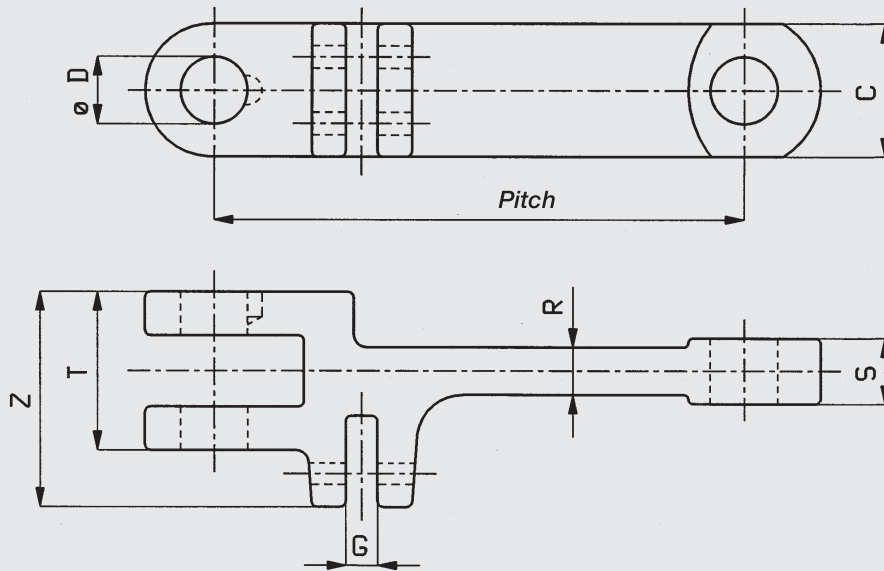
<i>Shape of the scrapers</i>	<i>Description</i>	<i>Type of plant</i>
 <p>9</p>	<p><i>Link with flat stud, shaped in "K" form</i></p>	<p><i>Horizontal and inclined chain conveyors up to 30° max</i></p>
 <p>10</p>	<p><i>Double chain with scraping flat stud</i></p>	<p><i>Extractors and chain conveyors of various minerals</i></p>
 <p>11</p>	<p><i>Link with special fork attachment</i></p>	<p><i>Special extractors and chain conveyors of any type</i></p>
 <p>12</p>	<p><i>Link with oxycut double "00" stud</i></p>	<p><i>Inclined chain conveyors up to 90° of great load capacity</i></p>



code	DIMENSIONS							
	Style	Pitch mm	T mm	C mm	S mm	F mm	R mm	ϕ D mm
7625	1	76,2	18	30	7	8	6	14
10160	1	101,6	24	36	8	10	6	14
10160/R	1	101,6	30	36	13	14	9	14
12514	1	125	30	36	13	14	10	16
13514	1	135	38	40	17	18	9	20
14214	1	142	30	40	13	14	9	18
14216	4	142	46	40	20	22	13	22
14218	1	142	42	50	19	20	11	25
142180	2	142	42	50	19	20	11	25
142181	3	142	42	50	19	20	11	25
14222	4	142	54	50	25	27	16	25
14226	1	142	62	50	28	30	15	25
14290	1	142	24	47	9	10	7	20
15010	1	150	36	36	15	16	10	16
15012	1	150	42	36	17	18	12	18
15014	1	150	42	48	16	18	12	25
15090	1	150	24	47	9	10	7	20

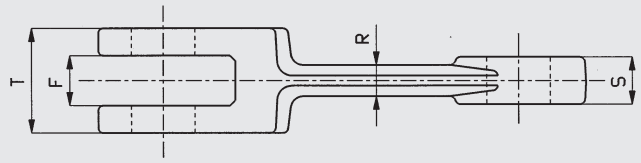
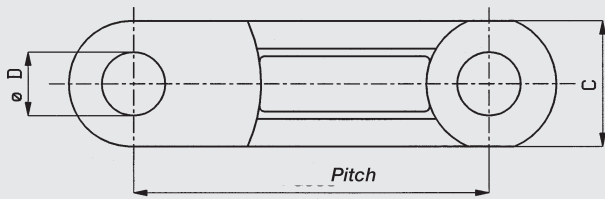


code	DIMENSIONS							
	Style	Pitch mm	T mm	C mm	S mm	F mm	R mm	$\varnothing D$ mm
16018	7	160	46	46	22	24	15	22
16025	4	160	50	53	23	25	13	25
16390	3	163	130	68	47	49	36	34
20025	4	200	60	50	25	27	18	25
20028	4	200	66	60	30	32	20	30
200281	3	200	66	60	30	32	20	30
21640	5	216	64	72	26	28	20	35
22040	5	220	64	72	26	28	20	35
22050	4	220	58	75	28	30	25	32
22060	4	220	71	75	31	33	21	35
25040	4	250	70	75	32	34	18	32
26035	1	260	65	75	31	33	20	32
26040	1	260	70	75	31	33	20	32
26045	4	260	78	75	35	37	20	32



code	DIMENSIONS								
	Style	Pitch	T	Z	C	S	G	R	ϕD
		mm	mm	mm	mm	mm	mm	mm	mm
142182	8	142	42	70	50	19	12	11	25
142262	8	142	62	87	50	28	12	15	25
160252	8	160	50	82	53	23	13	13	25
175402	8	175	72	95	60	30	16	23	30
200182	8	200	46	85	40	20	12	14	20
200252	8	200	60	81	50	25	12	18	25
200402	8	200	70	95	60	30	13	20	30
250252	8	250	60	81	50	25	12	18	25
250402	8	250	70	95	60	30	13	20	30
250602	8	250	100	140	70	45	21	36	35

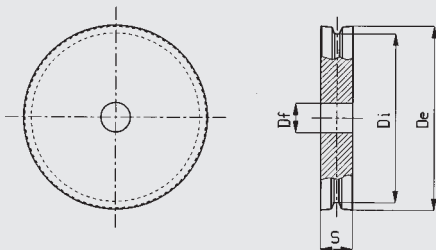
SPROCKETS & DRIVEN WHEELS - 10160



code	Pitch mm	T mm	C mm	S mm	F mm	R mm	ø D mm
10160	101,60	24	36	8	10	6	14

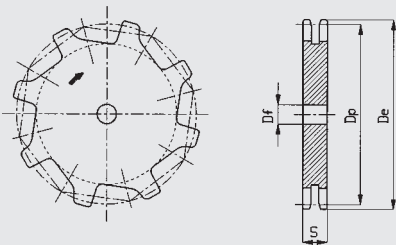
Materials	MN 18MnCrB5	CN 18NiCrMo5	C40 C45	CD 42CrMo4
Treatment	Case hardening	Case hardening	Hardening and tempering	Hardening and tempering
(kN) Average theoretical breaking load	110	120	150	210

Driven-wheel



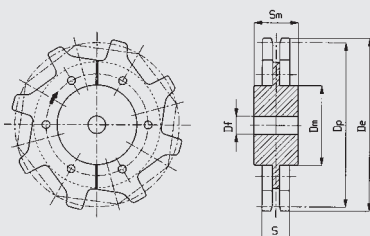
code	De mm	Di mm	Df mm	S mm
10160/06R	160	140	25	34
10160/08R	229	209	25	34
10160/10R	295	275	30	34
10160/12R	356	336	40	34
10160/14R	420	400	40	34

Monobloc driving-wheel



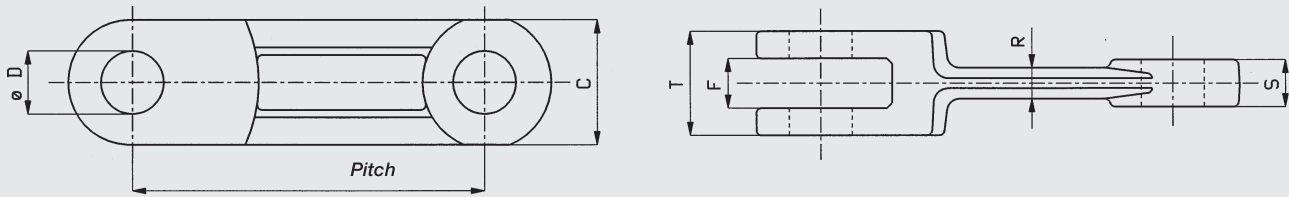
code	nr. teeth	Dp mm	De mm	Df mm	S mm
10160/06C	6	203,20	216	30	34
10160/08C	8	265,49	277	40	34
10160/10C	10	328,78	340	40	34
10160/12C	12	392,55	404	50	34
10160/14C	14	456,58	468	50	34

Sector driving-wheel



code	nr. teeth	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
10160/06CS	6	203,20	216	25	85	36	60
10160/08CS	8	265,49	277	30	120	36	60
10160/10CS	10	328,78	340	40	160	36	80
10160/12CS	12	392,55	404	50	230	36	80
10160/14CS	14	456,58	468	50	280	36	80

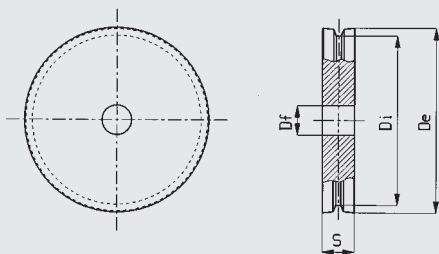
SPROCKETS & DRIVEN WHEELS - 10160-R



code	Pitch mm	T mm	C mm	S mm	F mm	R mm	ø D mm
10160-R	101,60	30	36	13	14	9	14

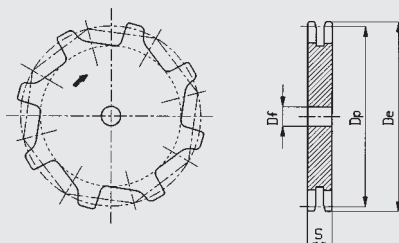
Materials	MN 18MnCrB5	CN 18NiCrMo5	C40 C45	CD 42CrMo4
Treatment	Case hardening	Case hardening	Hardening and tempering	Hardening and tempering
(kN) Average theoretical breaking load	180	195	235	330

Driven-wheel



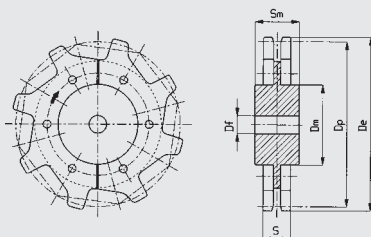
code	De mm	Di mm	Df mm	S mm
10160-R/06R	160	136	25	40
10160-R/08R	229	205	25	40
10160-R/10R	295	271	30	40
10160-R/12R	356	332	40	40
10160-R/14R	420	396	40	40

Monobloc driving-wheel



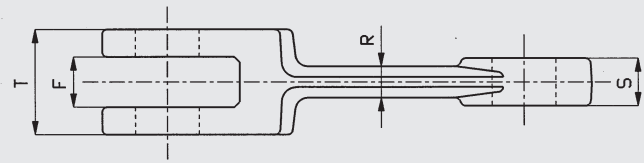
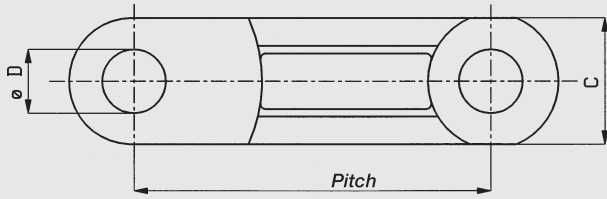
code	nr. teeth	Dp mm	De mm	Df mm	S mm
10160-R/06C	6	203,20	216	30	40
10160-R/08C	8	265,49	277	40	40
10160-R/10C	10	328,78	340	40	40
10160-R/12C	12	392,55	404	50	40
10160-R/14C	14	456,58	468	50	40

Sector driving-wheel



code	nr. teeth	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
10160-R/06CS	6	203,20	216	25	85	40	75
10160-R/08CS	8	265,49	277	30	120	40	75
10160-R/10CS	10	328,78	340	40	160	40	95
10160-R/12CS	12	392,55	404	50	230	40	95
10160-R/14CS	14	456,58	468	50	280	40	95

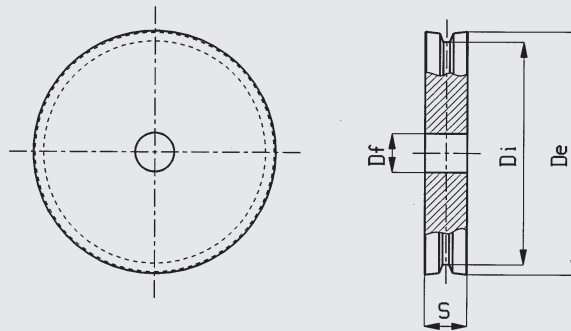
SPROCKETS & DRIVEN WHEELS - 14218



code	Pitch mm	T mm	C mm	S mm	F mm	R mm	ϕD mm
14218	142	42	50	19	20	11	25

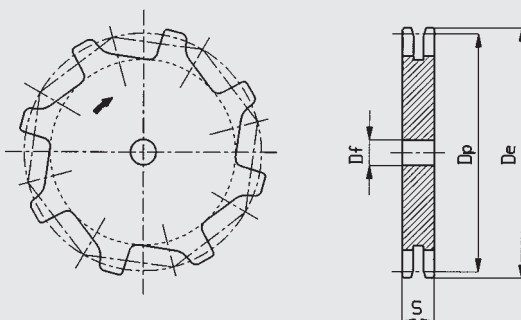
Materials	MN 18MnCrB5	CN 18NiCrMo5	C40 C45	CD 42CrMo4
Treatment	Case hardening	Case hardening	Hardening and tempering	Hardening and tempering
Average theoretical breaking load (kN)	290	320	370	550

Driven-wheel



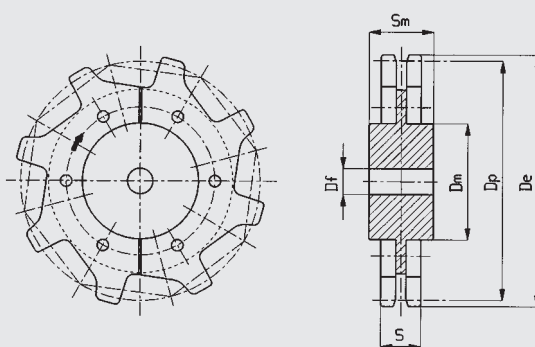
code	D_e mm	D_i mm	D_f mm	S mm
14218/06R	234	210	40	50
14218/07R	280	256	40	50
14218/08R	320	296	40	50
14218/09R	362	338	40	50
14218/10R	415	391	40	50
14218/11R	454	430	40	50
14218/12R	500	476	40	50
14218/13R	545	521	40	50
14218/14R	588	564	40	50
14218/15R	632	608	40	50
14218/16R	677	653	40	50

Monobloc driving-wheel



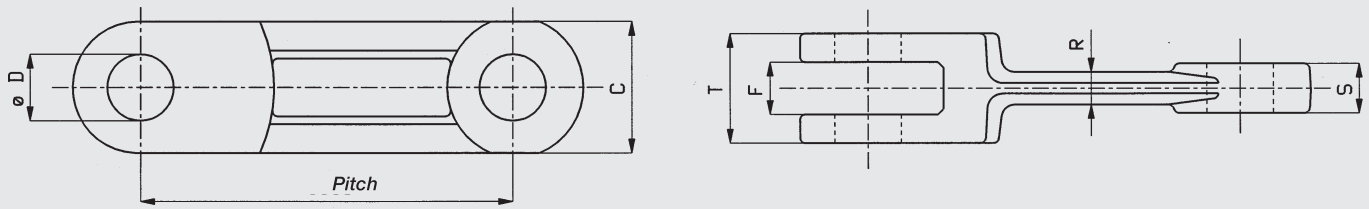
code	nr. teeth	Dp mm	De mm	Df mm	S mm
14218/06C	6	284,00	304	40	50
14218/07C	7	327,31	344	40	50
14218/08C	8	371,06	390	40	50
14218/09C	9	415,18	435	40	50
14218/10C	10	459,52	480	40	50
14218/11C	11	504,02	524	40	50
14218/12C	12	548,64	570	40	50
14218/13C	13	593,37	614	40	50
14218/14C	14	638,15	660	40	50
14218/15C	15	682,87	702	40	50
14218/16C	16	727,90	748	40	50

Sector driving-wheel



code	nr. teeth	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
14218/06CS	6	284,00	304	40	120	62	90
14218/07CS	7	327,31	344	40	150	62	100
14218/08CS	8	371,06	390	40	180	62	100
14218/09CS	9	415,18	435	40	230	62	100
14218/10CS	10	459,52	480	40	240	62	110
14218/11CS	11	504,02	524	40	280	62	110
14218/12CS	12	548,64	570	40	330	62	110
14218/13CS	13	593,37	614	40	370	62	110
14218/14CS	14	638,15	660	40	450	62	110
14218/15CS	15	682,87	702	40	470	62	110
14218/16CS	16	727,90	748	40	500	62	110

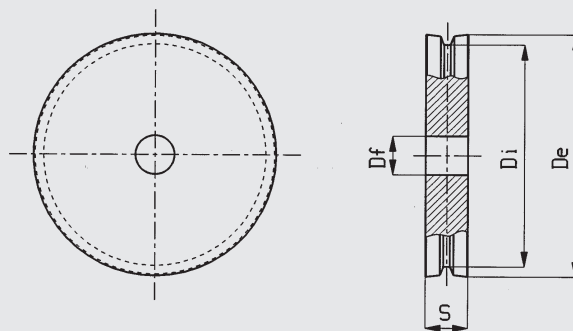
SPROCKETS & DRIVEN WHEELS - 14226



code	Pitch mm	T mm	C mm	S mm	F mm	R mm	ø D mm
14226	142	62	50	28	30	15	25

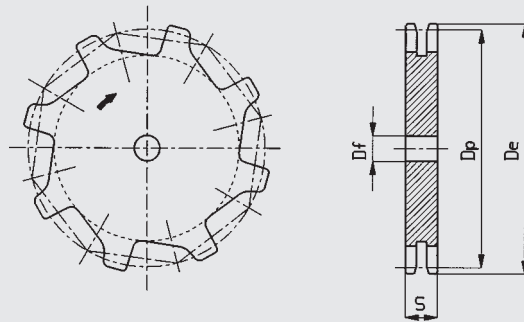
Materials	MN 18MnCrB5	CN 18NiCrMo5	C40 C45	CD 42CrMo4
Treatment	Case hardening	Case hardening	Hardening and tempering	Hardening and tempering
(kN) Average theoretical breaking load	440	470	570	790

Driven-wheel



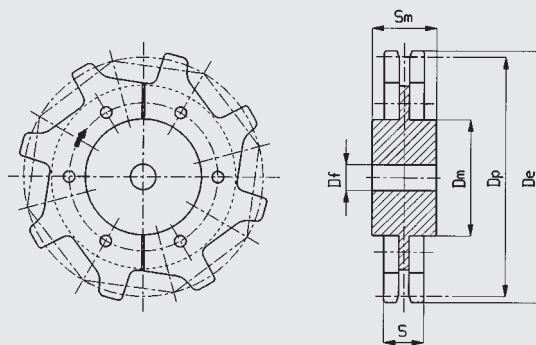
code	De mm	Di mm	Df mm	S mm
14226/06R	234	214	40	70
14226/07R	280	260	40	70
14226/08R	320	300	50	70
14226/09R	362	342	50	70
14226/10R	415	395	50	70
14226/11R	454	434	50	70
14226/12R	500	480	50	70
14226/13R	545	525	50	70
14226/14R	588	568	50	70
14226/15R	632	612	50	70
14226/16R	677	657	50	70

Monobloc driving-wheel



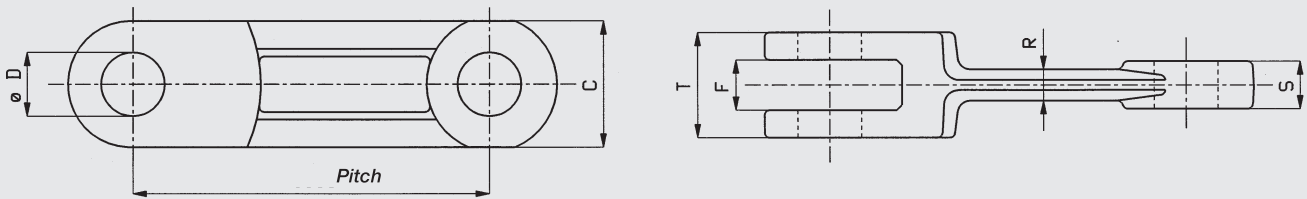
code	nr. teeth	Dp mm	De mm	Df mm	S mm
14226/06C	6	284,00	304	40	70
14226/07C	7	327,31	344	40	70
14226/08C	8	371,06	390	40	70
14226/09C	9	415,18	435	40	70
14226/10C	10	459,52	480	40	70
14226/11C	11	504,02	524	40	70
14226/12C	12	548,64	570	40	70
14226/13C	13	593,37	614	40	70
14226/14C	14	638,15	660	40	70
14226/15C	15	682,87	702	40	70
14226/16C	16	727,90	748	40	70

Sector driving-wheel



code	nr. teeth	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
14226/06CS	6	284,00	304	40	120	70	90
14226/07CS	7	327,31	344	40	150	70	110
14226/08CS	8	371,06	390	40	180	70	110
14226/09CS	9	415,18	435	40	230	70	110
14226/10CS	10	459,52	480	40	240	70	110
14226/11CS	11	504,02	524	40	280	70	110
14226/12CS	12	548,64	570	40	330	70	110
14226/13CS	13	593,37	614	40	370	70	110
14226/14CS	14	638,15	660	40	450	70	110
14226/15CS	15	682,87	702	40	470	70	110
14226/16CS	16	727,90	748	40	500	70	110

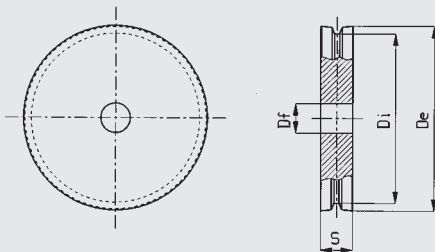
SPROCKETS & DRIVEN WHEELS - 26040



code	Pitch mm	T mm	C mm	S mm	F mm	R mm	ø D mm
26040	260	70	75	31	33	20	32

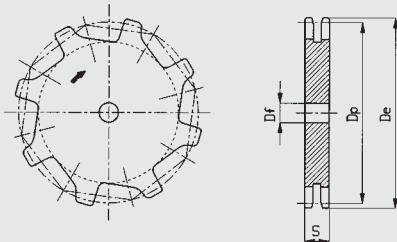
Materials	MN 18MnCrB5	CN 18NiCrMo5	C40 C45	CD 42CrMo4
Treatment	Case hardening	Case hardening	Hardening and tempering	Hardening and tempering
(kN) Average theoretical breaking load	840	900	1100	1480

Driven-wheel



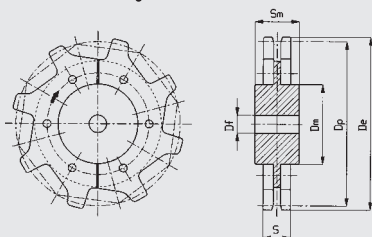
code	De mm	Di mm	Df mm	S mm
26040/08R	604	580	60	80
26040/10R	766	742	60	80
26040/12R	929	905	60	80

Monobloc driving-wheel



code	nr. teeth	Dp mm	De mm	Df mm	S mm
26040/08C	8	679,41	709	60	80
26040/10C	10	841,37	870	60	80
26040/12C	12	1004,56	1035	60	80

Sector driving-wheel



code	nr. teeth	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
26040/08CS	8	679,41	709	60	350	82	150
26040/10CS	10	841,37	870	60	400	82	150
26040/12CS	12	1004,56	1035	60	550	82	150

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