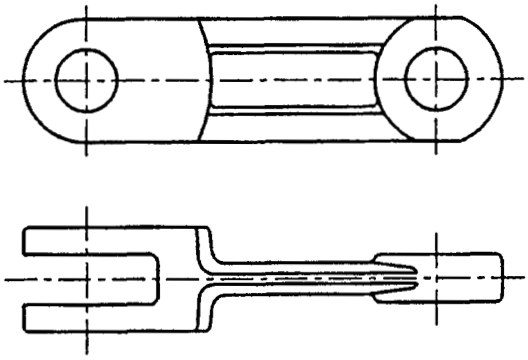
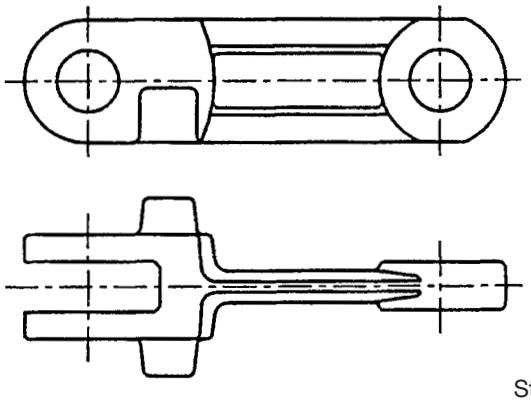
CATENE RASCHIANTI

Catene raschianti a maglie stampate

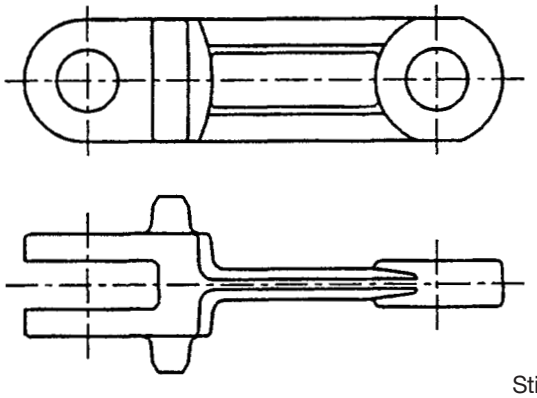
Esempi maglie standard



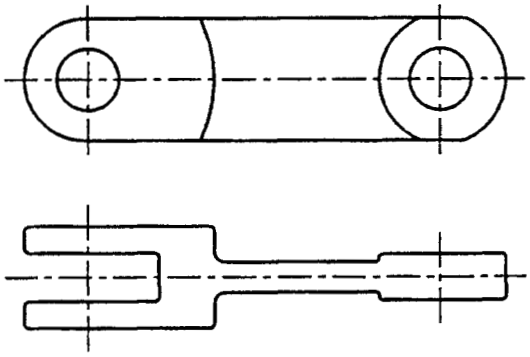
Stile 1



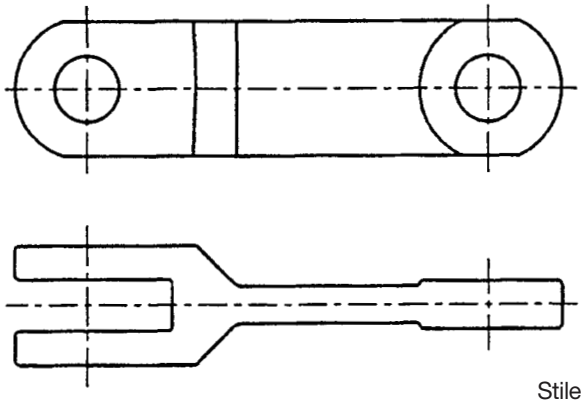
Stile 2



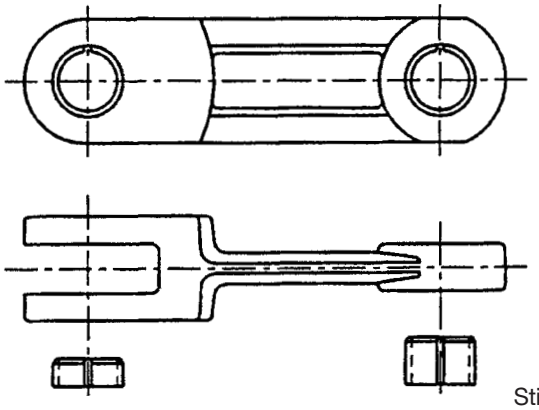
Stile 3



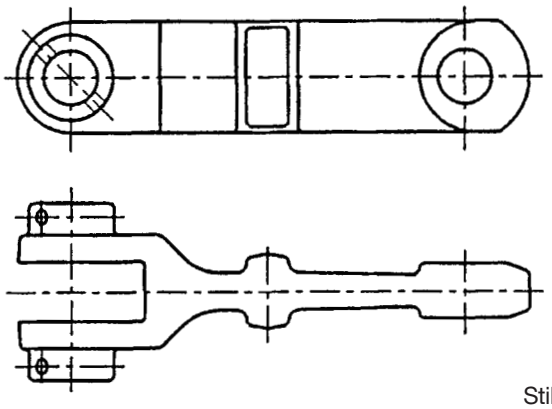
Stile 4



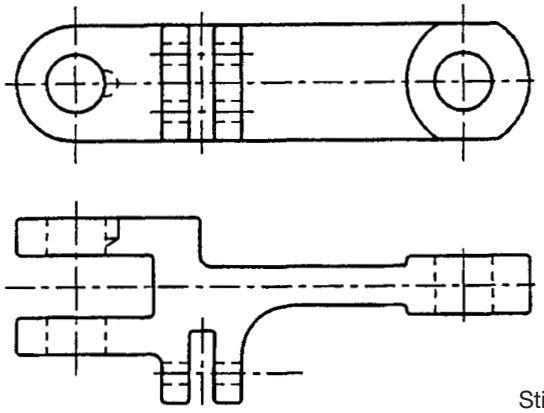
Stile 5



Stile 6



Stile 7



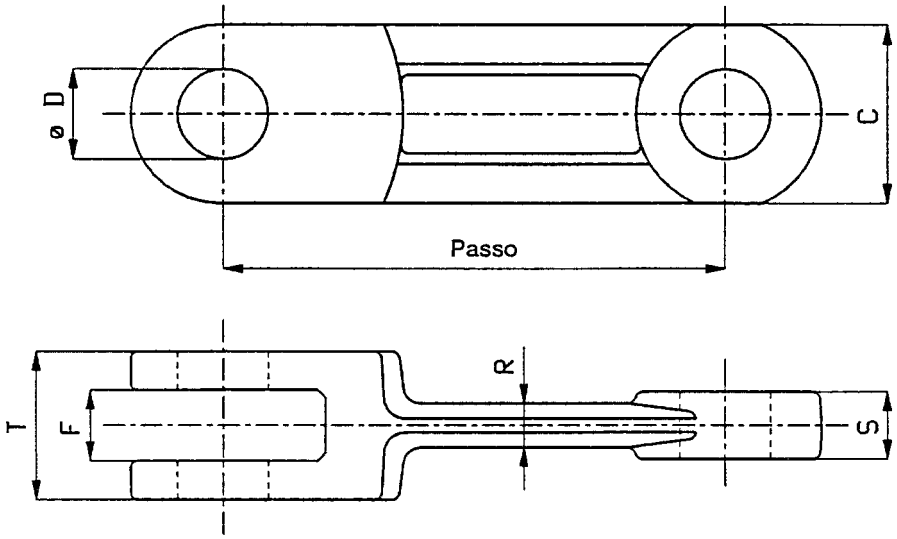
Stile 8

Catene raschianti a maglie stampate

	CARICHI DI ROTTURA MEDI KN				*Stile
	MN 18MnCrB5	CN 18NiCrMo5	C45 C45	CD 42CrMo4	
codice maglia stampata	Cementazione tempra	Cementazione tempra	Bonifica	Bonifica	
7625	71	77	93	126	1
10160	110	120	150	210	1
10160/R	180	195	235	330	1
12514	163	175	212	290	1
13514	212	230	278	375	1
14214	180	195	235	330	1
14216	230	245	300	405	4
14218	290	320	370	550	1
142180	290	320	370	550	2
142181	290	320	370	550	3
14222	370	400	480	655	4
14226	440	470	570	790	1
14290	155	165	200	270	1
15010	190	205	250	330	1
15012	190	205	250	330	1
15014	227	245	300	405	1
15090	155	165	200	270	1
16018	320	342	420	560	7
16025	370	400	480	655	4
16390	900	950	1200	1600	3
20025	380	410	500	670	4
20028	500	540	660	900	4
200281	500	540	660	900	3
26140	585	630	765	1035	5
22040	585	630	765	1035	5
22050	710	760	930	1260	4
22060	735	790	960	1300	4
25040	735	860	1050	1430	4
26035	840	900	1100	1480	1
26040	840	900	1100	1480	1
26045	930	1000	1220	1650	4
142182	290	320	370	550	8
142262	440	470	570	790	8
160252	370	400	480	655	8
175402	540	580	705	955	8
200182	250	265	325	440	8
200252	380	410	500	670	8
200402	540	580	705	955	8
250252	380	410	500	670	8
250402	540	580	705	955	8
250602	975	1050	1270	1720	8

*Vedi pag. 90

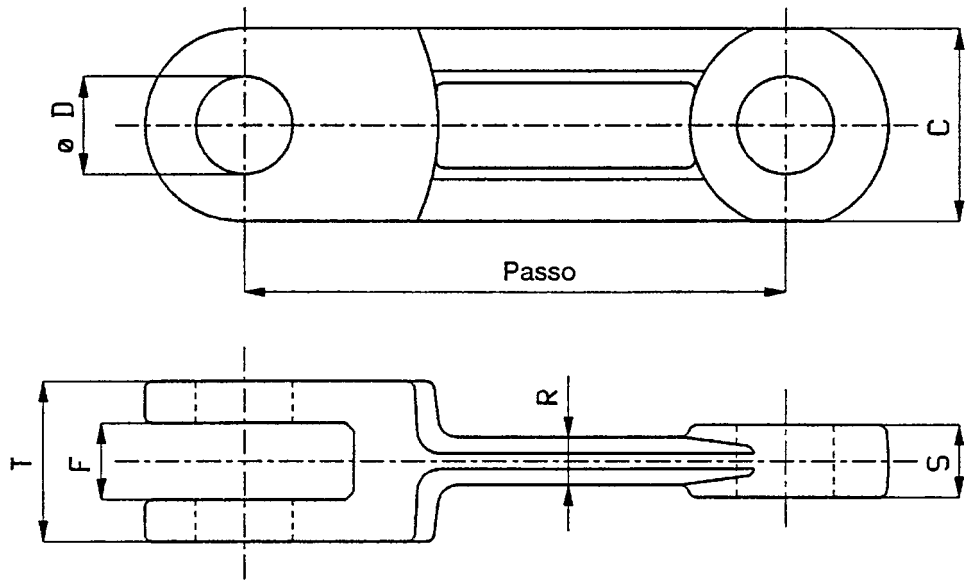
Catene raschianti a maglie stampate



VIBI codice maglia stampata	DIMENSIONI							
	*Stile	Passo mm	T mm	C mm	S mm	F mm	R mm	Ø 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	26
15090	1	150	24	47	9	10	7	20

* Vedi pag. 90

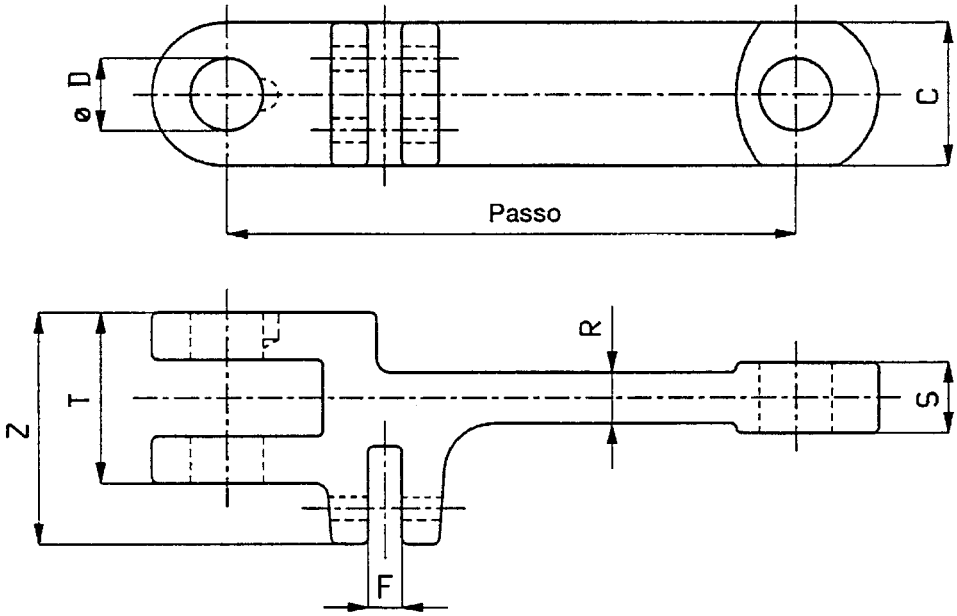
Catene raschianti a maglie stampate



VIBI codice maglia stampata	DIMENSIONI							
	*Stile	Passo mm	T mm	C mm	S mm	F mm	R mm	Ø 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
25035	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

* Vedi pag. 90

Catene raschianti a maglie stampate



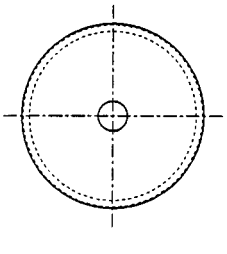
VIBI codice maglia stampata	DIMENSIONI								
	*Stile	Passo mm	T mm	Z mm	C mm	S mm	F mm	R mm	Ø D mm
142182	8	142	42	70	50	19	12	11	25
142262	8	142	62	87	50	28	12	15	25
160252	8	160	50	82	53	23	13	13	25
175402	8	175	72	95	60	30	16	23	30
200182	8	200	46	85	40	20	12	14	20
200252	8	200	60	81	50	25	12	18	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

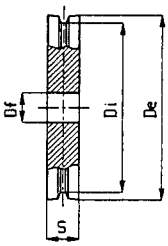
* Vedi pag. 90

Catene raschianti a maglie stampate

Ruote di comando e rulli di rinvio per maglia codice 10160

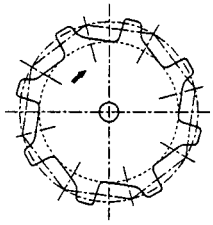
Rullo di rinvio

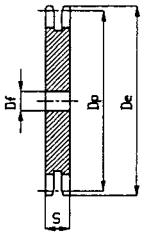




codice	De mm	Di mm	Df mm	S mm
10160/06R	160	140	25	34
10160/08R	229	209	25	34
10160/10R	295	275	30	34
10160/12R	356	336	40	34
10160/14R	420	400	40	34

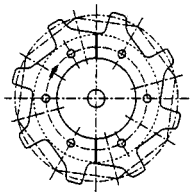
Comando monoblocco

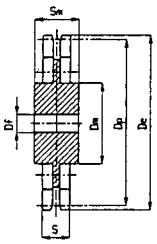




codice	n° denti	Dp mm	De mm	Df mm	S mm
10160/06C	6	203,20	216	30	34
10160/08C	8	265,49	277	40	34
10160/10C	10	328,78	340	40	34
10160/12C	12	392,55	404	50	34
10160/14C	14	456,58	468	50	34

Comando a settori

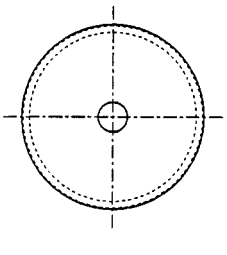


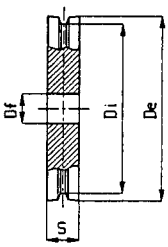


codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sn mm
10160/06CS	6	203,20	216	25	85	36	60
10160/08CS	8	265,49	277	30	120	36	60
10160/10CS	10	328,78	340	40	160	36	80
10160/12CS	12	392,55	404	50	230	36	80
10160/14CS	14	456,58	468	50	280	36	80

Ruote di comando e rulli di rinvio per maglia codice 10160-R

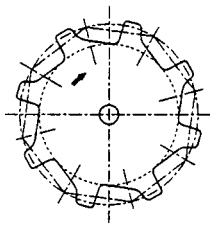
Rullo di rinvio

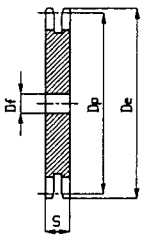




codice	De mm	Di mm	Df mm	S mm
10160-R/06R	160	136	25	40
10160-R/08R	229	205	25	40
10160-R/10R	295	271	30	40
10160-R/12R	356	332	40	40
10160-R/14R	420	396	40	40

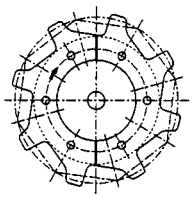
Comando monoblocco

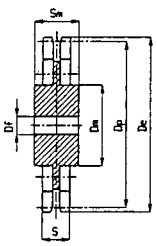




codice	n° denti	Dp mm	De mm	Df mm	S mm
10160-R/06C	6	203,20	216	30	40
10160-R/08C	8	265,49	277	40	40
10160-R/10C	10	328,78	340	40	40
10160-R/12C	12	392,55	404	50	40
10160-R/14C	14	456,58	468	50	40

Comando a settori



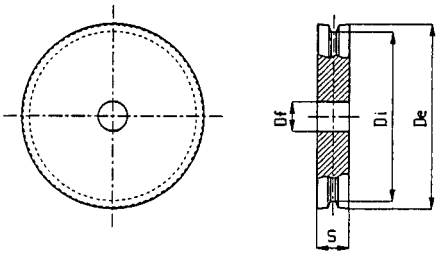


codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sn mm
10160-R/06CS	6	203,20	216	25	85	40	75
10160-R/08CS	8	265,49	277	30	120	40	75
10160-R/10CS	10	328,78	340	40	160	40	95
10160-R/12CS	12	392,55	404	50	230	40	95
10160-R/14CS	14	456,58	468	50	280	40	95

Catene raschianti a maglie stampate

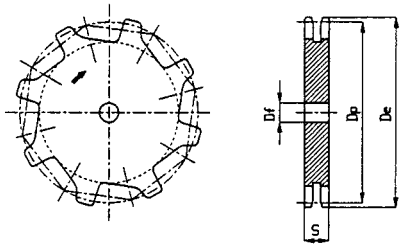
Ruote di comando e rulli di rinvio per maglia codice 14214

Rullo di rinvio



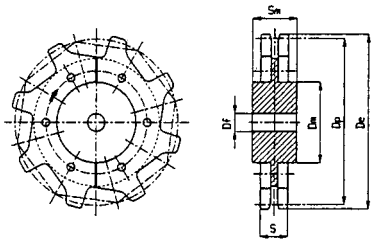
codice	De mm	Di mm	Df mm	S mm
14214/06R	244	220	30	40
14214/08R	330	306	40	40
14214/10R	418	394	40	40
14214/12R	505	481	40	40

Comando monoblocco



codice	n° denti	Dp mm	De mm	Df mm	S mm
14214/06C	6	284,00	300	30	40
14214/08C	8	371,06	387	40	40
14214/10C	10	459,52	475	40	40
14214/12C	12	548,65	564	40	40

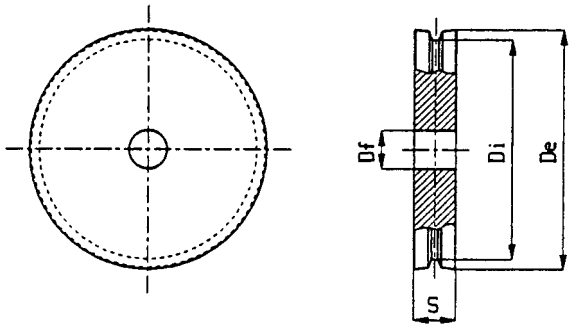
Comando a settori



codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
14214/06CS	6	284,00	300	30	130	40	80
14214/08CS	8	371,06	387	40	190	40	80
14214/10CS	10	459,52	475	40	250	40	80
14214/12CS	12	548,65	564	40	340	40	80

Ruote di comando e rulli di rinvio per maglia codice 14218

Rullo di rinvio

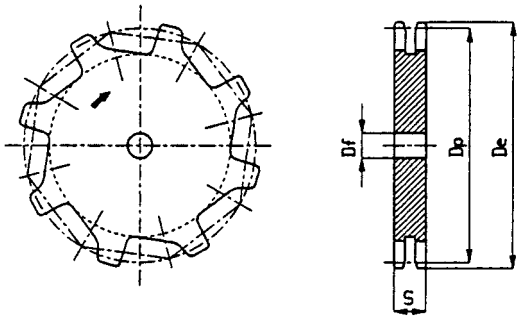


codice	De mm	Di mm	Df mm	S mm
14218/06R	234	210	40	50
14218/07R	280	256	40	50
14218/08R	320	296	40	50
14218/09R	362	338	40	50
14218/10R	415	391	40	50
14218/11R	454	430	40	50
14218/12R	500	476	40	50
14218/13R	545	521	40	50
14218/14R	588	564	40	50
14218/15R	632	608	40	50
14218/16R	677	653	40	50

Catene raschianti a maglie stampate

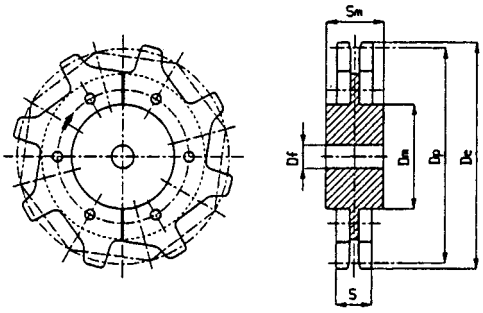
Ruote di comando e rulli di rinvio per maglia codice 14218

Comando monoblocco



codice	n° denti	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

Comando a settori

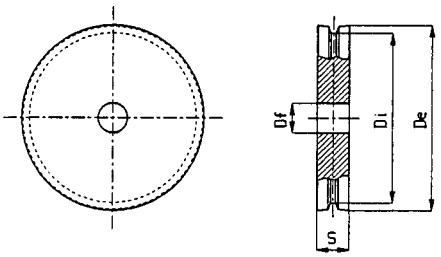


codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sn mm
14218-R/06CS	6	284,00	304	40	120	62	90
14218-R/07CS	7	327,31	344	40	150	62	100
14218-R/08CS	8	371,06	390	40	180	62	100
14218-R/09CS	9	415,18	435	40	230	62	100
14218-R/10CS	10	459,52	480	40	240	62	110
14218-R/11CS	11	504,02	524	40	280	62	110
14218-R/12CS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

Catene raschianti a maglie stampate

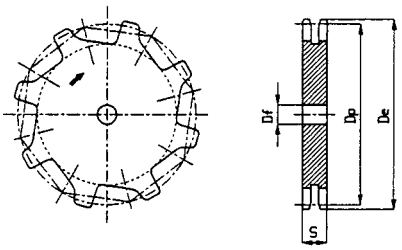
Ruote di comando e rulli di rinvio per maglia codice 14222

Rullo di rinvio



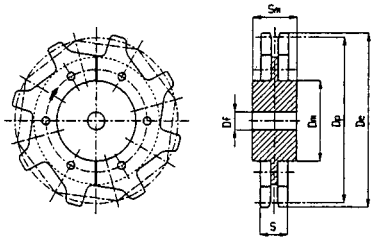
codice	De mm	Di mm	Df mm	S mm
14222/06R	234	210	40	60
14222/08R	320	296	40	60
14222/10R	415	391	40	60

Comando monoblocco



codice	n° denti	Dp mm	De mm	Df mm	S mm
14222/06C	6	284,00	304	40	60
14222/08C	8	371,06	390	40	60
14222/10C	10	459,52	480	40	60

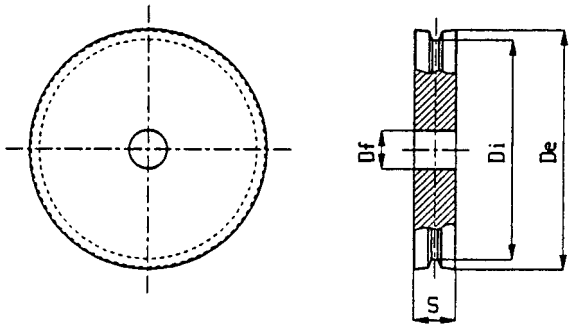
Comando a settori



codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
14222/06CS	6	284,00	304	40	120	66	110
14222/08CS	8	371,06	390	40	180	66	110
14222/10CS	10	459,52	480	40	240	66	110

Ruote di comando e rulli di rinvio per maglia codice 14226

Rullo di rinvio

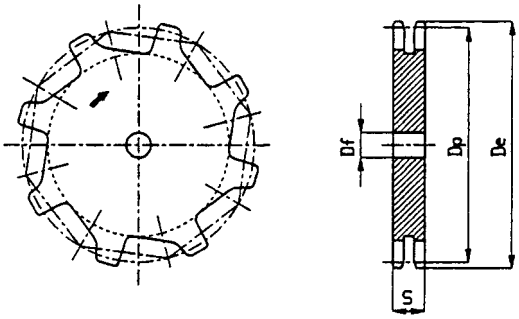


codice	De mm	Di mm	Df mm	S mm
14226/06R	234	214	40	70
14226/07R	280	260	40	70
14226/08R	320	300	50	70
14226/09R	362	342	50	70
14226/10R	415	395	50	70
14226/11R	454	434	50	70
14226/12R	500	480	50	70
14226/13R	545	525	50	70
14226/14R	588	568	50	70
14226/15R	632	612	50	70
14226/16R	677	657	50	70

Catene raschianti a maglie stampate

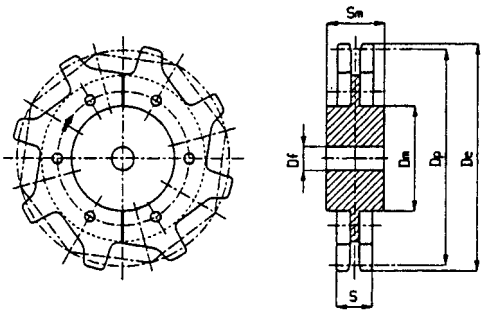
Ruote di comando e rulli di rinvio per maglia codice 14226

Comando monoblocco



codice	n° denti	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	539,37	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

Comando a settori

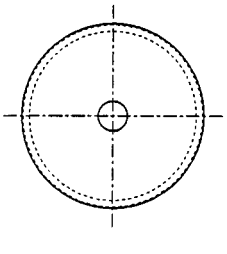


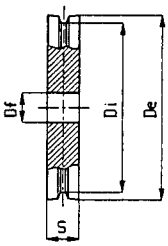
codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
14226/06CS	6	284,00	304	40	120	70	90
14226/07CS	7	327,31	344	40	150	70	110
14226/08CS	8	371,06	390	40	180	70	110
14226/09CS	9	415,18	435	40	230	70	110
14226/10CS	10	459,52	480	40	240	70	110
14226/11CS	11	504,02	524	40	280	70	110
14226/12CS	12	548,64	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

Catene raschianti a maglie stampate

Ruote di comando e rulli di rinvio per maglia codice 16025

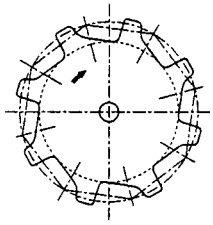
Rullo di rinvio

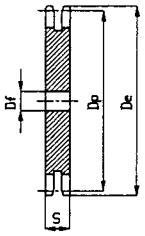




codice	De mm	Di mm	Df mm	S mm
16025/06R	267	240	40	60
16025/08R	365	338	40	60
16025/10R	464	437	40	60

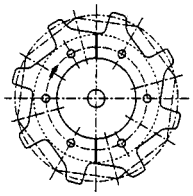
Comando monoblocco

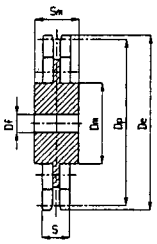




codice	n° denti	Dp mm	De mm	Df mm	S mm
16025/06C	6	320,00	342	40	60
16025/08C	8	418,10	440	40	60
16025/10C	10	517,77	540	40	60

Comando a settori

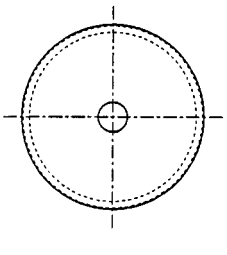


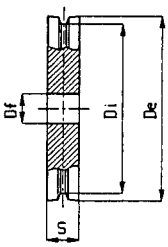


codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
16025/06CS	6	320,00	342	40	150	56	110
16025/08CS	8	418,10	440	40	225	56	110
16025/10CS	10	517,77	540	40	315	56	110

Ruote di comando e rulli di rinvio per maglia codice 26040

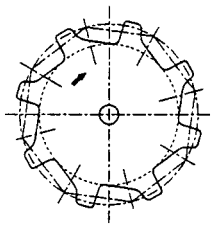
Rullo di rinvio

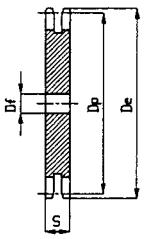




codice	De mm	Di mm	Df mm	S mm
26040/08R	604	580	60	80
26040/10R	766	742	60	80
26040/12R	929	905	60	80

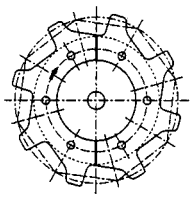
Comando monoblocco

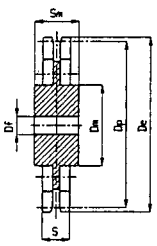




codice	n° denti	Dp mm	De mm	Df mm	S mm
26040/08C	8	679,41	709	60	80
26040/10C	10	841,37	870	60	80
26040/12C	12	1004,56	1035	60	80

Comando a settori



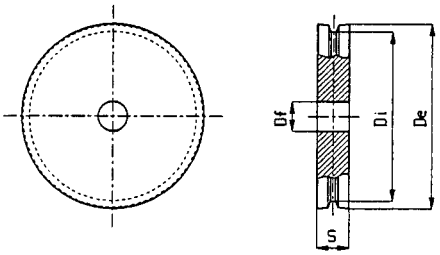


codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sn mm
26040/08CS	8	679,41	709	60	350	82	150
26040/10CS	10	841,37	870	60	400	82	150
26040/12CS	12	1004,56	1035	60	550	82	150

Catene raschianti a maglie stampate

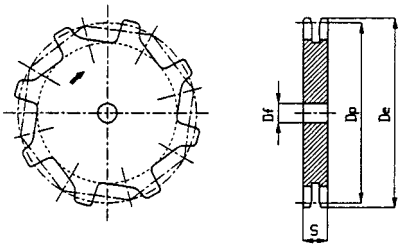
Ruote di comando e rulli di rinvio per maglia codice 20028

Rullo di rinvio



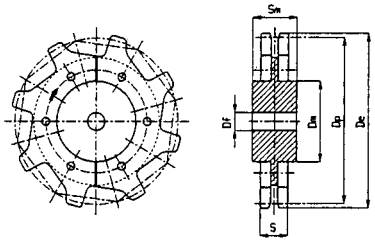
codice	De mm	Di mm	Df mm	S mm
20028/08R	462	438	60	80
20028/10R	587	563	60	80
20028/12R	712	688	60	80

Comando monoblocco



codice	n° denti	Dp mm	De mm	Df mm	S mm
20028/08C	8	522,40	546	60	80
20028/10C	10	647,40	672	60	80
20028/12C	12	772,80	797	60	80

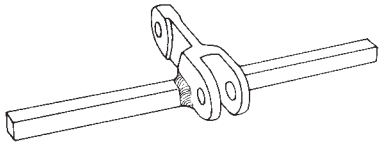
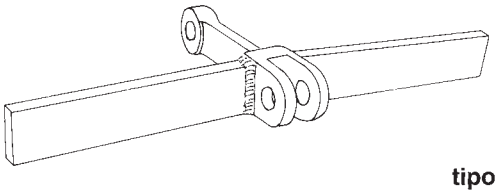
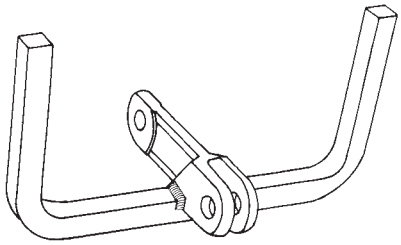
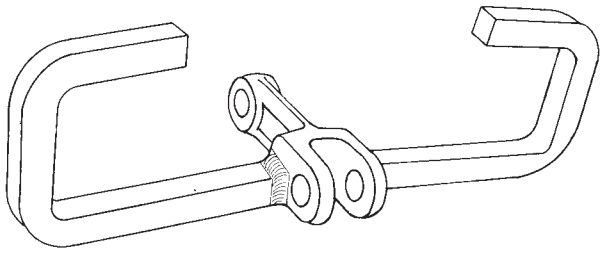
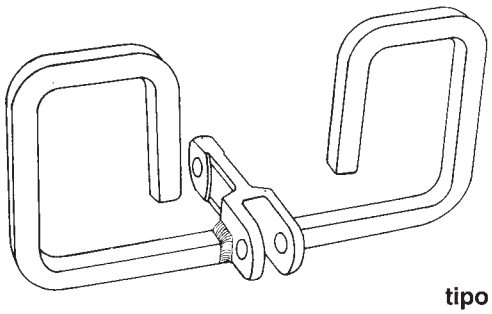
Comando a settori



codice	n° denti	Dp mm	De mm	Df mm	Dm mm	S mm	Sm mm
20028/08CS	8	522,40	546	60	300	80	130
20028/10CS	10	647,40	672	60	400	80	130
20028/12CS	12	772,80	797	60	500	80	130

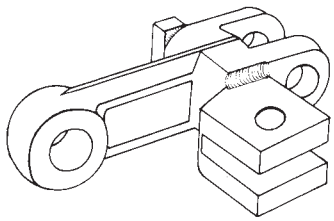
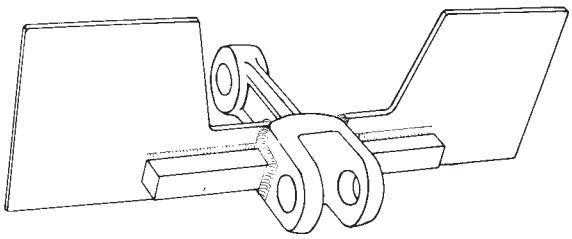
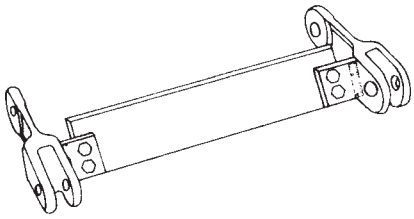
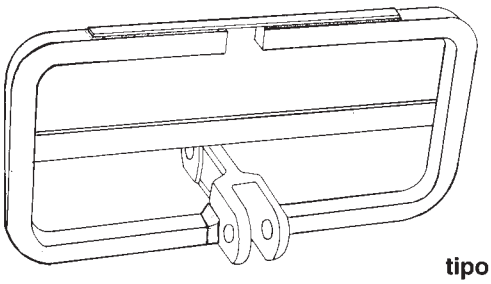
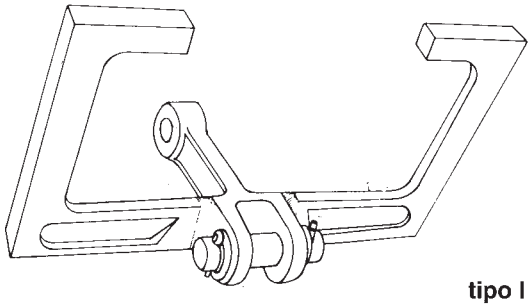
Catene raschianti a maglie stampate

Sagome dei raschianti

SAGOMA		TIPO DI IMPIANTO
 tipo a	Sezione del traversino quadro o rettangolare	Trasportatori orizzontale o leggermente inclinati 5° ÷ 10°
 tipo b	Sezione del traversino piatto	Trasportatori orizzontali o leggermente inclinati per materiali polverosi 5° ÷ 10°
 tipo c	Sezione del traversino piegato ad «U»	Trasportatori inclinati max 25°
 tipo d	Sezione del traversino piegato a «C»	Trasportatori inclinati max 25° per materiali polverosi
 tipo e	Sezione del traversino piegato a doppio «O»	Trasportatori inclinati oltre 25° - max 90°

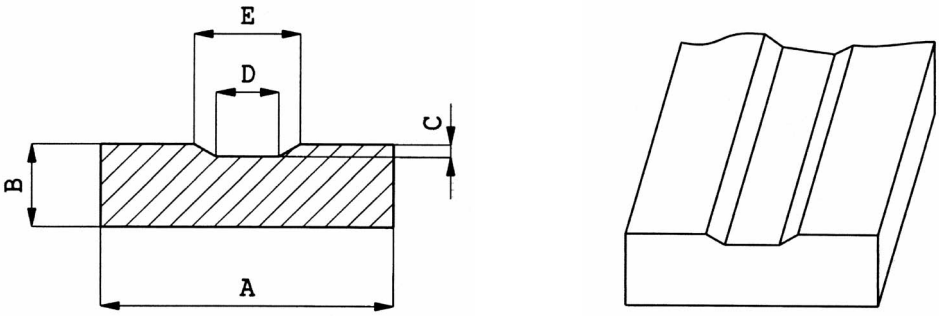
Catene raschianti a maglie stampate

Sagome dei raschianti

SAGOMA		TIPO DI IMPIANTO
 tipo f	Attacco speciale a forcella	Trasportatori ed estrattori speciali di qualunque tipo
 tipo g	Sezione del traversino rinforzato «K»	Trasportatori inclinati od orizzontali per materiali polverosi max 90°
 tipo h	Sezione del traversino per doppia catena	Estrattori di materiali
 tipo i	Sezione del traversino piegato a «C» rinforzato	Trasportatori inclinati oltre 25° - max 90°
 tipo l	Sezione del traversino doppio «O» anti residuo	Trasportatori inclinati fino 90° di grande portata

Catene raschianti a maglie stampate

Guide di usura al manganese

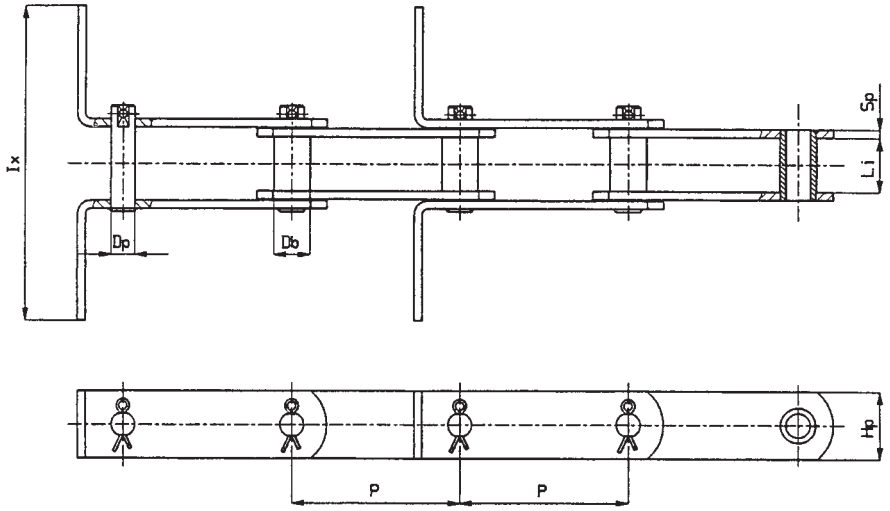


Codice	Dimensioni					Peso al metro
	A	B	C	D	E	
	mm	mm	mm	mm	mm	kg/m
GM 2510	25,0	10,0	2,0	5,0	12,0	1,83
GM 3010	30,0	10,0	2,0	5,0	11,5	2,32
GM 3510	35,0	10,0	2,0	5,0	11,5	2,61
GM 4010	40,0	10,0	2,0	5,0	12,0	3,01
GM 4020	40,0	20,0	2,0	5,0	12,0	6,15
GM 5010	50,0	10,0	2,0	5,0	12,0	3,82
GM 5020	50,0	20,0	2,0	5,0	11,5	7,72
GM 6010	60,0	10,0	3,0	6,0	16,4	4,45
GM 6012	60,0	12,0	2,5	12,0	14,0	5,50
GM 6020	60,0	20,0	3,0	6,0	16,4	9,15
GM 7010	70,0	10,0	3,0	15,0	25,0	5,02
GM 7020	70,0	20,0	3,0	15,0	25,4	10,60

Materiale	Numero Werkstoff	Tolleranze secondo
DIN X120Mn12 **UNI X120Mn13** **AFNOR Z120Mn12**	**1.3401**	**DIN 1017**

Catene raschianti a piastre diritte

Serie DIN 8165

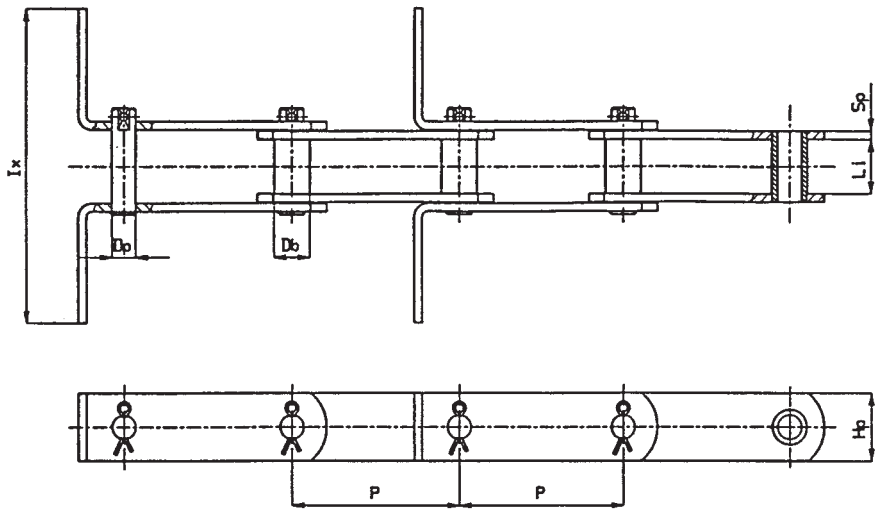


Catena VIBI	DIMENSIONI							Carico min. rottura
	P mm	Li mm	Db mm	Dp mm	Hp mm	Sp mm	Ix mm	KN
FVR 40/040/P FVR 40/063/P FVR 40/080/P FVR 40/100/P	40 63 80 100	18	15	10	25	3	MISURE A RICHIESTA	40
FVR 63/063/P FVR 63/100/P FVR 63/125/P FVR 63/160/P	63 100 125 160	22	18	12	30	4		63
FVR 90/100/P FVR 90/125/P FVR 90/160/P FVR 90/200/P	100 125 160 200	25	20	14	35	5		90
FVR 112/100/P FVR 112/125/P FVR 112/160/P FVR 112/200/P	100 125 160 200	30	22	16	40	6		112
FVR 140/100/P FVR 140/125/P FVR 140/160/P FVR 140/200/P	100 125 160 200	35	26	18	45	6		140
FVR 180/125/P FVR 180/160/P FVR 180/200/P FVR 180/250/P	125 160 200 250	45	30	20	50	8		180
FVR 250/125/P FVR 250/160/P FVR 250/200/P FVR 250/250/P	125 160 200 250	55	36	26	60	8		250
FVR 315/160/P FVR 315/200/P FVR 315/250/P FVR 315/315/P	160 200 250 315	65	42	30	70	10		315

Le catene possono essere fornite ribadite o copigliate ambo i lati.

Catene raschianti a piastre diritte

Serie ISO 1977

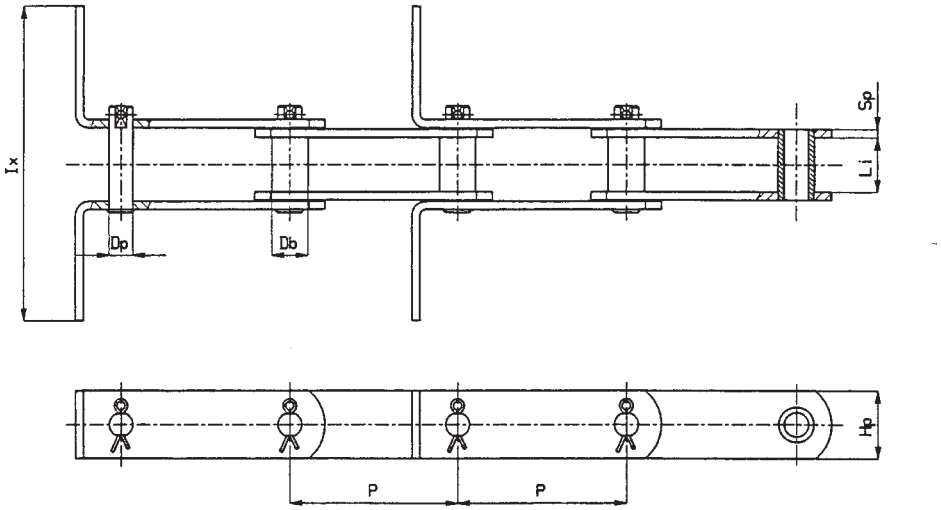


Catena VIBI	DIMENSIONI							Carico min. rottura
	P mm	Li mm	Db mm	Dp mm	Hp mm	Sp mm	Ix mm	KN
MR 56/063/P MR 56/080/P MR 56/100/P MR 56/125/P MR 56/160/P	63 80 100 125 160	24	15	10	30	4	MISURE A RICHIESTA	56
MR 80/080/P MR 80/100/P MR 80/125/P MR 80/160/P MR 80/200/P	80 100 125 160 200	28	18	12	35	5		80
MR 112/080/P MR 112/100/P MR 112/125/P MR 112/160/P MR 112/200/P	80 100 125 160 200	32	21	15	40	6		112
MR 160/100/P MR 160/125/P MR 160/160/P MR 160/200/P MR 160/250/P	100 125 160 200 250	36	25	18	50	7		160
MR 224/125/P MR 224/160/P MR 224/200/P MR 224/250/P	125 160 200 250	42	30	21	60	8		224
MR 315/160/P MR 315/200/P MR 315/250/P MR 315/315/P	160 200 250 315	48	36	25	70	10		315

Le catene possono essere fornite ribadite o copigliate ambo i lati.

Catene raschianti a piastre diritte

Standard d'officina



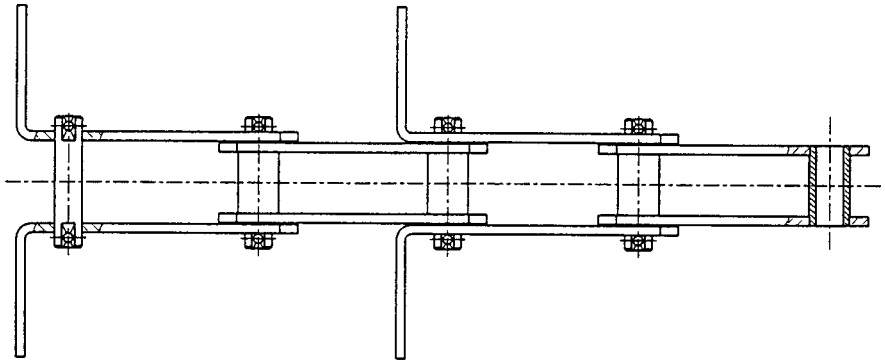
Catena VIBI	DIMENSIONI							Carico min. rottura
	P mm	Li mm	Db mm	Dp mm	Hp mm	Sp mm	Ix mm	KN
7540 10040 12540 15040	75 100 125 150	18	15	10	25	4	MISURE A RICHIESTA	40
7550 10050 12550 15050	75 100 125 150	20	17	11	30	4		50
10058 12558 15058 20058	100 125 160 200	22	18	12	30	5		58
10065 12565 15065 20065	100 125 150 200	25	20	14	35	5		65
10084 12584 15084 20084	100 125 150 200	30	22	16	40	6		84
125110 150110 175110 200110	125 150 175 200	40	27	18	50	6		110
150140 175140 200140 250140	150 175 200 250	45	30	20	50	8		140
150200 175200 200200 250200	150 175 200 250	55	36	26	60	8		200

Le catene possono essere fornite ribadite o copigliate ambo i lati.

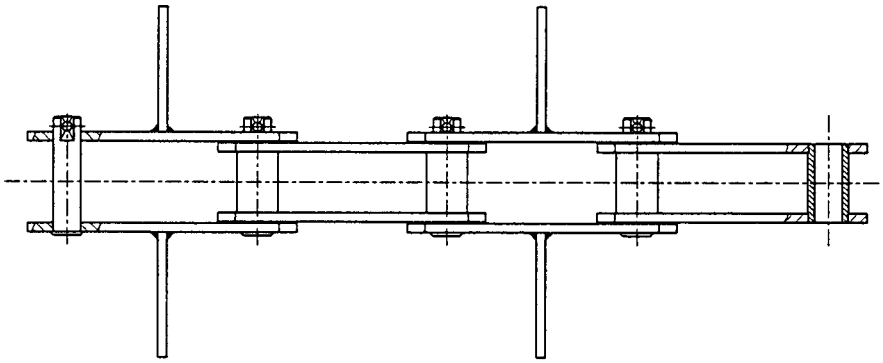
Catene raschianti a piastre diritte

Esecuzioni varie

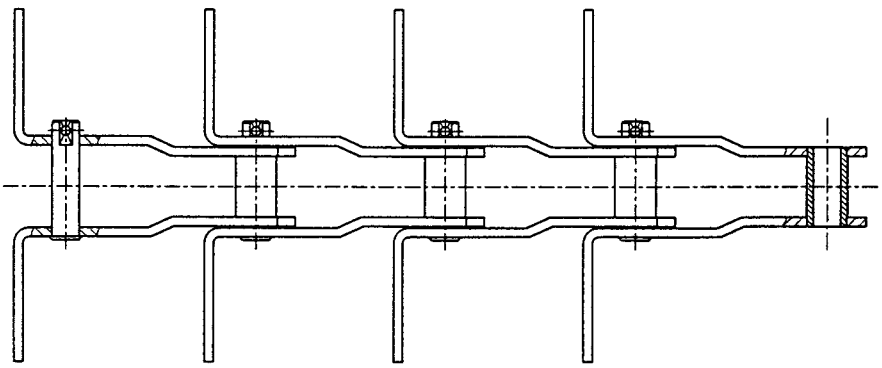
a perni copigliati ambo i lati (stile 1)



con raschiatori saldati (stile 2)

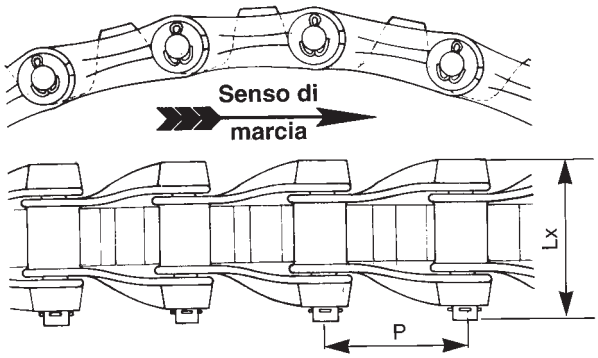


a maglie false (stile 3)



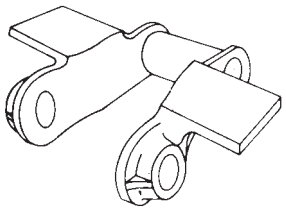
Catene a spine scomponibili e ruote in ghisa

Sono costituite da maglie fuse in ghisa collegate l'una all'altra mediante un accoppiamento a cerniera il cui perno, in acciaio al carbonio cementato e temperato, viene comunemente detto "spina"; quest'ultima è munita da un lato di una testa ad incastro che la rende solidale alla maglia e dall'altro di un foro con copiglia che ne evita lo sfilamento.
Questo sistema permette una rapida composizione e scomposizione della catena garantendo nel contempo una sicura unione tra le maglie; inoltre dà alla catena una maggior robustezza che consente di sopportare lavori più gravosi rispetto alle catene a gancio aperto.



Il senso di marcia illustrato è da preferirsi quando le catene scomponibili vengono impiegate come catene trasportatrici.

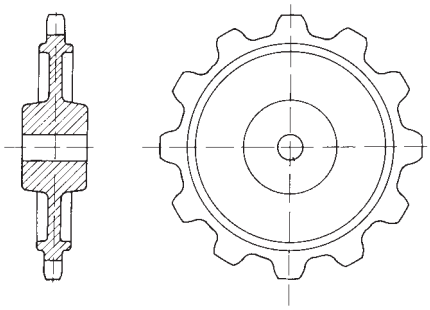
Attacco per catene a spine



Catene a spine

Catena VIBI	Passo p mm	Larghezza max Lx mm	Ø perno mm	Numero di maglie al metro n°	Carico di prova N	Peso catena kg/m
59 SP	59,2	72	9	16,9	23 000	4,20
65 SP	65,0	87	12	15,4	38 000	6,36
100A SP	100,0	91	13	10,0	32 000	5,85

Ruote in ghisa per catene a spine

Catena nr.	Passo	Z	Ø mozzo	Lungh. mozzo	Tipo
59 SP	59,2	10	70	50	C
59 SP	59,2	13	80	70	C
59 SP	59,2	15	100	70	C
65 SP	65	12	80	70	C
65 SP	65	15	95	85	C
65 SP	65	22	0	115	C
100 SP	100	12	120	120	C

Tutte le ruote hanno denti grezzi di fusione