

Finished Bore Sprockets

For Roller Chains DIN8187-ISO/R606

ALL sprockets are finished with induction hardened teeth.

This treatment gives a longer lasting life to sprockets.

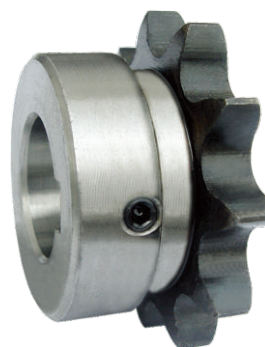
And with finished bore, keyway and 2 grub

Screws, this eliminates further

modification by customer

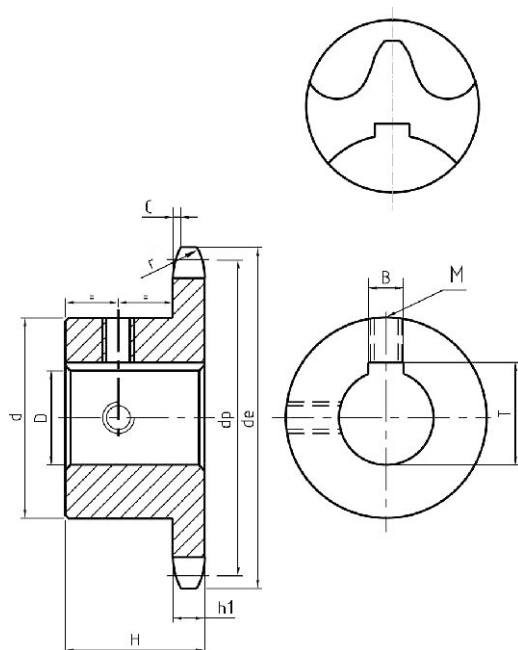
and can be fitted

immediately.



Bore-Keyway-Screws

D(H7)	B(H9)	T	M
10	4	D+1.8 (+0.1/0)	M3
11	4	D+1.8 (+0.1/0)	M3
12	4	D+1.8 (+0.1/0)	M3
14	5	D+2.3 (+0.1/0)	M4
16	5	D+2.3 (+0.1/0)	M4
18	6	D+2.8 (+0.1/0)	M5
19	6	D+2.8 (+0.1/0)	M5
20	6	D+2.8 (+0.1/0)	M5
22	6	D+2.8 (+0.1/0)	M5
24	8	D+3.3 (+0.2/0)	M6
25	8	D+3.3 (+0.2/0)	M6
28	8	D+3.3 (+0.2/0)	M6
30	8	D+3.3 (+0.2/0)	M6
32	10	D+3.3 (+0.2/0)	M8
35	10	D+3.3 (+0.2/0)	M8
38	10	D+3.3 (+0.2/0)	M8
40	12	D+3.3 (+0.2/0)	M10
42	12	D+3.3 (+0.2/0)	M10
45	14	D+3.8 (+0.2/0)	M12
48	14	D+3.8 (+0.2/0)	M12
50	14	D+3.8 (+0.2/0)	M12
60	18	D+4.4 (+0.2/0)	M12
65	18	D+4.4 (+0.2/0)	M12
70	20	D+4.9 (+0.2/0)	M12



Finished Bore Sprockets

3/8" X 7/32"

CHAIN:

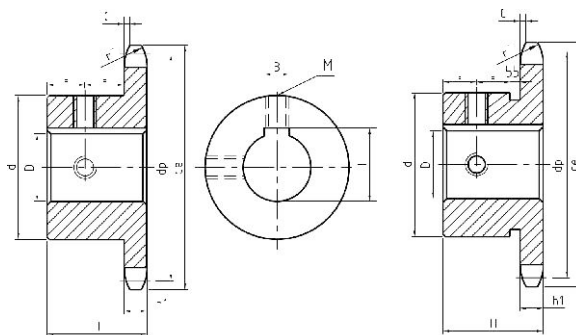
Pitch	9.525
Internal width	5.72
Roller	6.35

SPROCKETS

Tooth radius r	10
Radius width C	1
Tooth width h _t	5.3

ISO
mm

06B-1 9.525 X 5.72mm



Type(*)

Material : C 45

Z	d _a	d _p	D	H	d
10	34	30.80	10	22	24
			11		26
			12		29
			14		24
11	37	33.8	10	25	26
			12		29*
			14		31*
			16		25
12	40	36.8	10	25	26
			12		29
			14		31*
			16		28
13	43	39.8	10	25	29
			12		31
			14		35*
			16		31
14	46.3	42.8	10	25	35
			12		34
			14		38
			16		42*
15	49.3	45.81	10	25	37
			12		37
			14		37
			16		37
16	52.3	48.82	10	28	37
			12		37
			14		37
			16		37

Z	d _a	d _p	D	H	d
16	52.3	48.82	22	16	37
			24		42
			25		42
			12		40
17	55.3	51.83	14	28	40
			16		40
			18		40
			20		40
18	58.3	54.85	12	28	43
			14		43
			16		43
			18		43
19	61.3	57.87	12	28	45
			14		45
			16		45
			18		45
20	64.3	60.89	12	28	46
			14		46
			16		46
			18		46

Z	d _a	d _p	D	H	d
20	64.3	60.89	24	28	46
			25		46
			16		48
			18		48
21	68	63.91	19	28	48
			20		48
			22		48
			24		48
22	71	66.93	16	28	50
			18		50
			19		50
			20		50
23	73.5	69.95	16	28	52
			18		52
			19		52
			20		52
24	77	72.97	16	28	54
			18		54
			19		54
			20		54
25	80	76	16	28	57
			18		57
			19		57
			20		57

Finished Bore Sprockets

1/2" X 5/16"

CHAIN:

Pitch
Internal width
Roller

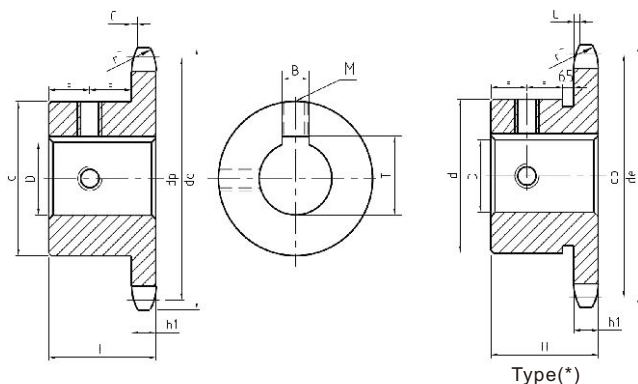
ISO
mm

12.7
7.75
8.51

SPROCKETS

Tooth radius r 13
Radius width C 1.3
Tooth width h_1 7.2

08B-1 12.7 X 7.75mm



Material : C 45

Z	d _a	d _p	D	H	d
10	45.2	41.1	12 14 16	25	26 29 31
11	48.7	45.07	12 14 16 18 19	25	29 31 34 35
12	53	49.07	12 14 16 18 19 20 22 24 25	28	33 35 36 38 41* 42*
13	57.4	53.06	12 14 16 18 19 20 22 24 25 28	28	37 42 45*
14	61.8	57.07	12 14 16 18 19 20 22 24 25 28	28	41 45
15	65.5	61.09	12 14 16	28	45

Z	d _a	d _p	D	H	d
15	65.5	61.09	18 19 20 22 24 25 28 30 32	28	45 47 49
16	69.5	65.1	16 18 19 20 22 24 25 28 30 32	28	50 53
17	73.6	69.11	16 18 19 20 22 24 25 28 30 32	28	52
18	77.8	73.14	16 18 19 20 22 24 25 28 30 32 35	28	56

Z	d _a	d _p	D	H	d
18	77.8	73.14	16 18 19 20 22 24 25 28 30 32 35 38	28	56
19	81.7	77.16	16 18 19 20 22 24 25 28 30 32 35 38	28	60
20	85.8	81.19	16 18 19 20 22 24 25 28 30 32 35 38	28	64
21	89.7	85.22	16 18 19 20 22 24 25 28 30 32 35 38	28	68
22	93.8	89.24	16 18 19	28	70

Z	d _a	d _p	D	H	d
22	93.8	89.24	20 22 24 25 28 30 32 35 38	28	70
23	98.2	93.27	19 20 22 24 25 28 30 32 35 38	28	70
24	101.8	97.29	19 20 22 24 25 28 30 32 35 38	28	70
25	105.8	101.33	19 20 22 24 25 28 30 32 35 38	28	70

Finished Bore Sprockets

5/8" X 3/8"

CHAIN:

Pitch
Internal width
Roller

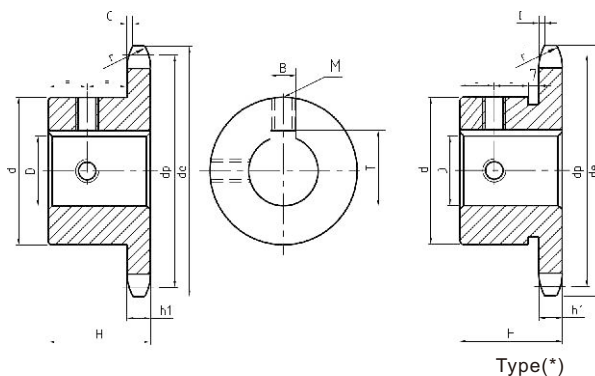
ISO
mm

15.875
9.65
10.16

SPROCKETS

Tooth radius r 16
Radius width C 1.6
Tooth width h_1 9.1

10B-1 15.875 X 9.65mm



Material : C 45

Z	d _e	d _p	D	H	d
10	57.5	51.37	16	25	35
			19		42*
			20		42*
			24		42*
11	63	56.34	16	30	37
			18		42
			19		45
			20		45
12	68	61.34	16	30	42
			18		44
			19		47
			20		51
13	73	66.32	16	30	47
			18		49
			19		51
			20		51
14	78	71.34	16	30	52
			18		52
			19		52
			20		52
15	83	76.36	19	30	57

Z	d _e	d _p	D	H	d
15	83	76.36	20	30	57
			22		57
			24		57
			25		57
16	88	81.37	28	30	60
			30		60
			32		60
			35		60
17	93	86.39	19	30	60
			20		60
			22		60
			24		60
18	98.3	91.42	25	30	70
			28		70
			30		70
			32		70
19	103.3	96.45	19	30	70

Z	d _e	d _p	D	H	d
19	103.3	96.45	22	30	70
			24		70
			25		70
			28		70
20	108.4	101.49	19	30	75
			20		75
			22		75
			24		75
21	113.4	106.52	25	30	75
			28		75
			30		75
			32		75
22	118	111.55	19	30	80
			20		80
			22		80
			24		80

Z	d _e	d _p	D	H	d
22	118	111.55	35	30	80
			38		80
			40		80
			42		80
23	123.4	116.58	19	30	80
			20		80
			22		80
			24		80
24	128.3	121.62	25	30	80
			28		80
			30		80
			32		80
25	134	126.66	19	30	80
			20		80
			22		80
			24		80

Finished Bore Sprockets

3/4" X 7/16"

CHAIN:

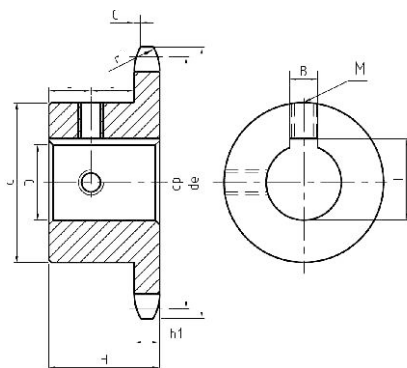
Pitch	19.05
Internal width	11.68
Roller	12.07

ISO
mm

SPROCKETS

Tooth radius r	19
Radius width C	2
Tooth width h _t	11.1

12B-1 19.05 X 11.68mm



Material : C 45

Z	d _s	d _p	D	H	d
10	69	61.64	19	30	42
			20		
			24		
			25		
			28		
			30		
			32		
11	75	67.61	19	35	48
			20		
			24		
			25		
			28		
			30		
			32		
12	81.5	73.6	19	35	52
			20		
			22		
			24		
			25		
			28		
			30		
13	87.5	79.59	19	35	58
			20		
			22		
			24		
			25		
			28		
			30		
14	93.6	85.61	19	35	64
			20		
			22		
			24		
			25		
			28		
			30		

14	93.6	85.61	32	35	64
			35		
			38		
			40		
			19		
			22		
			24		
15	99.8	91.63	25	35	70
			28		
			30		
			32		
			35		
			38		
			40		
16	105.5	97.65	19	35	75
			20		
			22		
			24		
			25		
			28		
			30		
17	115.5	103.67	32	35	80
			35		
			38		
			40		
			25		
			28		
			30		
18	118	109.71	32	35	80
			35		
			38		
			40		
			25		
			28		
			30		

18	118	109.71	40	35	80
			42		
			25		
			28		
			30		
			32		
			35		
19	124.2	115.75	38	35	80
			40		
			42		
			45		
			48		
			50		
			25		
20	129.7	121.78	28	35	80
			30		
			32		
			35		
			38		
			40		
			42		
21	136	127.82	45	35	90
			48		
			50		
			25		
			28		
			30		
			32		
22	141.8	133.86	35	40	90
			38		
			40		
			42		
			45		
			48		
			50		

22	141.8	133.86	38	40	90
			40		
			42		
			45		
			48		
			50		
			25		
23	149	139.9	28	40	90
			30		
			32		
			35		
			38		
			40		
			42		
24	153.9	145.94	45	40	90
			48		
			50		
			25		
			28		
			30		
			32		
25	160	152	35	40	90
			38		
			40		
			42		
			45		
			48		
			50		

Finished Bore Sprockets

1" X17.02

CHAIN:

Pitch
Internal width
Roller

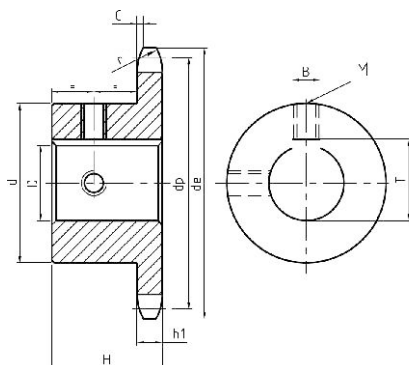
ISO mm

25.4
17.02
15.88

SPROCKETS

Tooth radius r 26
Radius width C 2.5
Tooth width h_1 16.2

16B-1 25.4 X 17.02mm



Material : C 45

Z	d_e	d_p	D	H	d
11	99.5	90.14	25	40	61
			28		
			30		
			32		
			35		
			38		
			40		
			42		
12	109	98.14	25	40	69
			28		
			30		
			32		
			35		
			38		
			40		
			42		
13	117	106.12	25	40	78
			28		
			30		
			32		
			35		
			38		
			40		
			42		
14	125	114.15	25	40	84
			28		
			30		
			32		
			35		
			38		
			40		
			42		
15	133	122.17	25	40	92
			28		
			30		
			32		
			35		
			38		
			40		
			42		

Z	d_e	d_p	D	H	d
15	133	122.17	30	40	92
			32		
			35		
			38		
			40		
			42		
			45		
			48		
16	141	130.2	25	45	100
			28		
			30		
			32		
			35		
			38		
			40		
			42		
17	149	138.22	25	45	100
			28		
			30		
			32		
			35		
			38		
			40		
			42		
18	157	146.28	25	45	100
			28		
			30		
			32		
			35		
			38		
			40		
			42		

Z	d_e	d_p	D	H	d
18	157	146.28	48	45	100
			50		
			25		
			28		
			30		
			32		
			35		
			38		
19	165.2	154.33	25	45	100
			28		
			30		
			32		
			35		
			38		
			40		
			42		
20	173.2	162.38	25	45	100
			28		
			30		
			32		
			35		
			38		
			40		
			42		
21	181.2	170.43	25	45	110
			28		
			30		
			32		
			35		
			38		
			40		
			42		
22	189.3	178.48	25	45	110
			28		
			30		
			32		
			35		
			38		
			40		
			42		

Z	d_e	d_p	D	H	d
22	189.3	178.48	38	50	110
			40		
			42		
			45		
			48		
			50		
			25		
			28		
23	197.5	186.53	25	50	110
			28		
			30		
			32		
			35		
			38		
			40		
			42		
24	205.5	194.59	25	50	110
			28		
			30		
			32		
			35		
			38		
			40		
			42		
25	213.5	202.66	25	50	110
			28		
			30		
			32		
			35		
			38		
			40		
			42		
			45		
			48		
			50		
			25		
			28		
			30		
			32		
			35		

Finished Bore Sprockets

1" 1/4X3/4"

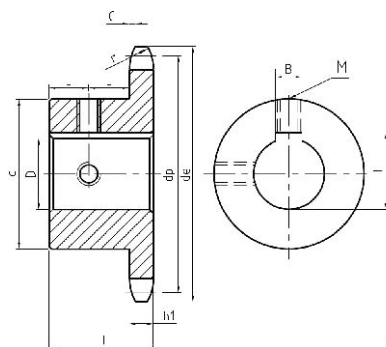
CHAIN:

	ISO
	mm
Pitch	31.75
Internal width	19.56
Roller	19.05

SPROCKETS

Tooth radius r	32
Radius width C	3.5
Tooth width h _t	18.5

20B-1 31.75 X 19.56mm



Material : C 45

Z	d _e	d _p	D	H	d
09	108	92.84	25	40	63
			30		
			32		
			35		
			38		
10	117.9	102.74	25	40	70
			30		
			32		
			35		
			38		
11	127.8	112.68	25	45	77
			28		
			30		
			32		
			35		
			38		
			40		
			42		
			45		
			50		82
			60		93
12	137.8	122.68	25	45	88
			28		
			30		
			32		
			35		
			38		
			40		
			42		
			45		
			50		
			60		93
13	147.8	132.65	28	45	98
			31		

Z	d _e	d _p	D	H	d
13	147.8	132.65	32	45	98
			35		
			38		
			40		
			42		
			45		
			48		
			50		
14	157.8	142.68	32	45	108
			35		
			38		
			40		
			42		
			45		
			48		
			50		
15	167.9	152.72	32	45	118
			35		
			38		
			40		
			42		
			45		
			48		
			50		
16	177.9	162.75	38	50	120
			40		
			42		
			45		
			48		
			50		
			60		
			70		

Z	d _e	d _p	D	H	d
17	187.9	172.78	38	50	120
			40		
			42		
			45		
			48		
			50		
			60		
			70		
18	198	182.85	38	50	120
			40		
			42		
			45		
			48		
			50		
			60		
			70		
19	208.1	192.91	38	50	120
			40		
			42		
			45		
			48		
			50		
			60		
			70		
20	218.1	202.98	38	50	120
			40		
			42		
			45		
			48		
			50		
			60		
			70		