



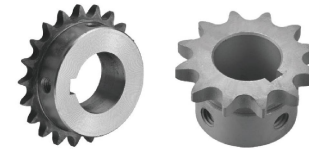
Finished Bore Sprockets European Standard Series

For Roller Chains DIN 8187-ISO/R 606

All sprockets are finished with induction hardened teeth.

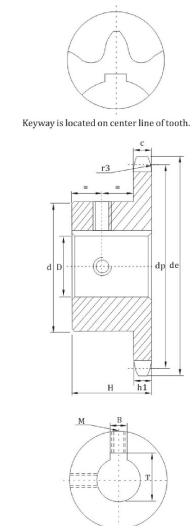
This treatment gives a longer lasting life to sprockets.

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





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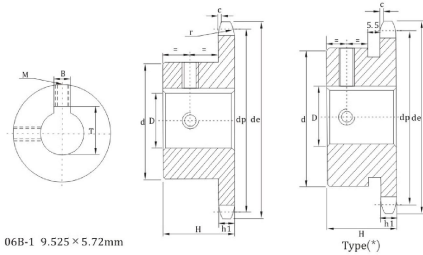
Finished Bore Sprockets European Standard Series

3/8" × 7/32"

SPROCKETS 3/8" × 7/32"

06B-1

SPROCKETS	mm
Tooth radius r	10
Radius width C	1
Tooth width h	5.3
CHAIN	mm
Pitch	9.525
Internal width	5.72
Roller Φ	6.35



Material:C45

Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d
10	34	30.80	10	22	24	16	52.3	48.82	22	16	37	20	64.3	60.89	24	28	46
			11		26				24		42				25		
			12		26				25		16						
			14		29				12		18						
11	37	33.8	10	25	24	17	55.3	51.83	14	28	40	21	68	63.91	19	28	48
			12		26				16						20		
			14		29*				18						22		
			16		31*				19						24		
12	40	36.8	10	25	25	17	55.3	51.83	20	28	40	21	68	63.91	25	28	48
			12		26				22						16		
			14		29*				24						18		
			16		31*				25						19		
13	43	39.8	10	25	28	18	58.3	54.85	12	28	42	22	71	66.93	22	28	50
			12		28				14						22		
			14		29				16						24		
			16		31				18						25		
14	46.3	42.8	10	25	35*	18	58.3	54.85	16	28	43	23	73.5	69.95	16	28	52
			12		31				20						18		
			14		31				22						19		
			16		34				24						20		
15	49.3	45.81	10	25	35	19	61.3	57.87	14	28	45	24	77	72.97	22	28	54
			12		35				25						25		
			14		36				22						22		
			16		38				24						24		
16	52.3	48.82	10	28	42*	20	64.3	60.89	18	28	46	25	80	76	25	28	57
			12		42				22						16		
			14		44				24						18		
			16		46				26						19		



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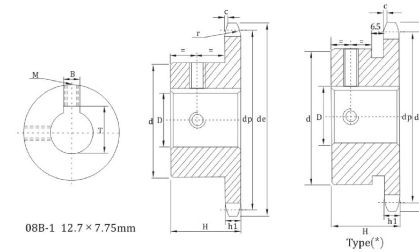
Finished Bore Sprockets European Standard Series

1/2" × 5/16"

SPROCKETS 1/2" × 5/16"

08B-1

SPROCKETS	mm
Tooth radius r	13
Radius width C	1.3
Tooth width h	7.2
CHAIN	mm
Pitch	12.7
Internal width	7.75
Roller Φ	8.51



Material:C45

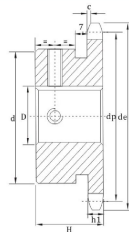
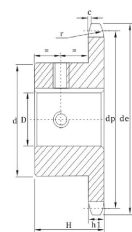
Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d
10	45.2	41.1	14	25	29	18	77.8	73.14	38	28	56	20	85.8	81.19	25	28	64
			12	26		16			36			22			24		
			10	24		14			34			20			22		
			8	22		12			32			18			20		
			6	20		10			30			16			18		
11	48.7	45.07	16	25	31	15	65.5	61.09	24	28	45	19	81.7	77.16	25	28	60
			14	29		13			22			17			20		
			12	26		11			20			15			18		
			10	24		9			18			13			16		
			8	22		7			16			11			14		
			6	20		5			14			9			12		
12	53	49.07	19	28	35	16	69.5	65.1	28	50		20	85.8	81.19	25	28	64
			17	31		14			26			18			20		
			15	29		12			24			16			18		
			13	27		10			22			14			16		
			11	25		8			20			12			14		
			9	23		6			18			10			12		
			7	21		4			16			8			10		
			5	19		3			14			6			8		
			3	17		2			12			4			6		
			1	15		1			10			2			4		
13	57.4	53.06	20	28	37	17	73.6	69.11	24	28	52	21	89.7	85.22	25	28	68
			18	31		15			22			19			20		
			16	29		13			20			17			18		
			14	27		11			18			15			16		
			12	25		9			16			13			14		
			10	23		7			14			11			12		
			8	21		5			12			9			10		
			6	19		3			10			7			8		
			4	17		2			8			5			6		
			2	15		1			6			3			4		
			1	13		0			4			1			2		
14	61.8	57.07	22	28	41	18	77.8	73.14	24	28	56	22	93.8	89.24	18	28	70
			20	31		16			22			20			22		
			18	29		14			20			18			20		
			16	27		12			18			16			18		
			14	25		10			16			14			16		
			12	23		8			14			12			14		
			10	21		6			12			10			12		
			8	19		4			10			8			10		
			6	17		2			8			6			8		
			4	15		1			6			4			6		
			2	13		0			4			2			4		
			1	11		-1			2			0			2		
15	65.5	61.09	24	28	45	20	80	76	20	28	57	24	93.8	89.24	18	28	70
			22	31		18			22			22			22		
			20	29		16			20			20			20		
			18	27		14			18			18			18		
			16	25		12			16			16			16		
			14	23		10			14			14			14		
			12	21		8			12			12			12		
			10	19		6			10			10			10		
			8	17		4			8			8			8		
			6	15		2			6			6			6		
			4	13		1			4			4			4		
			2	11		0			2			2			2		
			1	9		-1			0			0			0		


$$5/8'' \times 3/8''$$

SPROCKETS 5/8" x 3/8"

10B-1

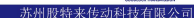
The diagram shows a spherical vessel with a central neck. The main sphere has a radius R . The neck has a radius r and a height T . A coordinate system is defined with M at the top left of the neck and B at the top center of the neck. The neck is shaded with horizontal lines. The main sphere is divided into two hemispheres by a horizontal dashed line.



10B-1 15.875 × 9.65mm

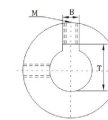
Type(*)

Material:C45

39
$$3/4'' \times 7/16''$$

SPROCKETS $3/4'' \times 7/16''$

12B-1



12B-1 19.05 × 11.68mm

Material:C45

40



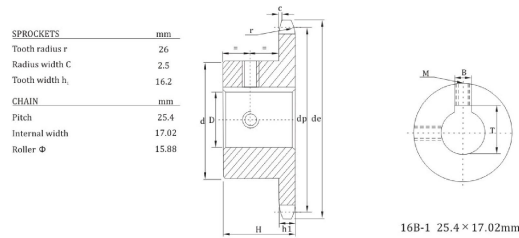
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Finished Bore Sprockets European Standard Series

1" × 17.02mm

SPROCKETS 1" × 17.02mm

16B-1



Material:C45

Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d
11	99.5	90.14	32	40	61	15	133	122.17	30	40	92	18	157	146.28	48	45	100
			35						32						50		
			38	65					38			22	189.3	178.68	45	50	110
			40	67					40						48		
			42	69					42						50		
			25						45			19	165.2	154.33	35	45	100
			28						38						28		
			30						32						30		
12	109	98.14	32	40	69				35						32		
			35						40			23	192.5	186.53	40	50	110
			38						42						42		
			40			16	141	130.2	45	100					45		
			42						48						48		
			25						50						50		
			28						25						25		
			30						28			20	173.2	162.38	38		
			32						30						40		
			35						32						42		
			40						35	45	100				45		
13	117	106.12	38	40	78				48						48		
			40						50						50		
			42						25						32		
			45						28						35		
			48			17	149	138.22	38	45	100				38		
			50						40						40		
			25						42						42		
			28						45						45		
			30						48			21	181.2	170.43	35	45	110
			32						50						38		
			35						25						40		
14	125	114.15	38	40	84				28						42		
			40						30						45		
			42						32						48		
			45						35						50		
			48			18	157	146.28	38	45	100				38		
			50						40						40		
15	133	122.17	28	40	92				42						42		
									45						45		
									22	189.3	178.68	30	45	110	48		
									32						50		
									35								



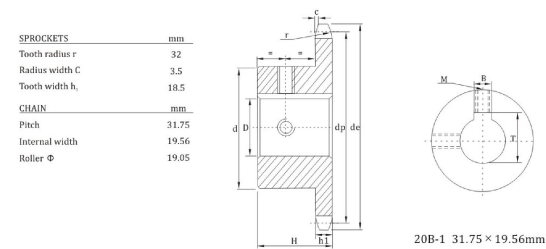
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Finished Bore Sprockets European Standard Series

1"1/4 × 3/4"

SPROCKETS 1"1/4 × 3/4"

20B-1



Material:C45

Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d	Z	d _t	d _p	D	H	d
09	108	92.84	32	40	63	13	147.8	132.65	32	45	98	17	187.9	172.78	38	50	120
			35						35						40		
			38						38						42		
			40						40						45		
			42						42						48		
			25			13	147.8	132.65	25						50		
			28						30						60		
10	117.9	102.74	32	40	70				32						65		
			35						35						70		
			38						38						78		
			40						40						84		
			42						42						90		
			25						25						95		
			28						28						100		
			30						30						105		
			32						32						110		
			35						35						115		
11	127.8	112.68	38	45	77	14	157.8	142.68	38	45	108	18	198	182.85	48	50	120
			40						40						50		
			42						42						55		
			45						45						60		
			48						48						65		
			50						50						70		
			25						25						75		
			28						28						80		
			30						30						85		
			32						32						90		
			35						35						95		
			40						40						100		
			42						42						105		
			45						45						110		
			48						48						115		
			50						50						120		
12	137.8	122.68	38	45	88	15	167.9	152.72	38	45	118	19	208.1	192.91	48	50	120
			40						40						50		
			42						42						55		
			45						45						60		
			48						48						65		
			50						50						70		
			25						25						75		
			28						28						80		
			30						30						85		
			32						32						90		
			35						35						95		
			40						40						100		
			42						42						105		
			45						45						110		
			48						48						115		
			50						50						120		
13	147.8	132.65	28	45	98	16	177.9	162.75	28	50	120	20	218.1	202.98	48	50	120
			30						30						50		
			32						32						55		
			35						35						60		
			40						40						65		
			42						42						70		