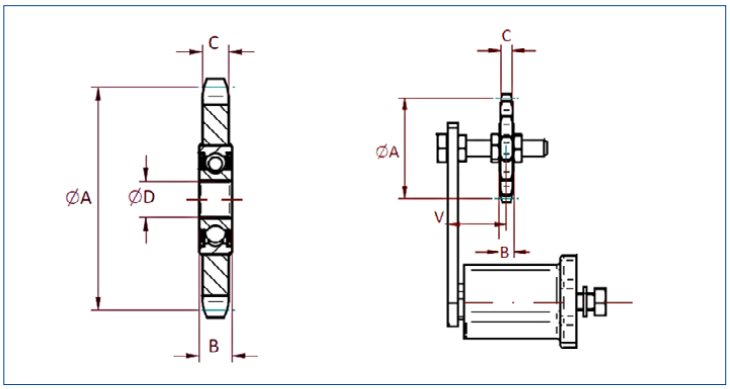
SPROCKET WHEEL

TYPE K / KS SIMPLEX / KS DUPLEX / KS TRIPLEX

For the tensioning of chains, RESATEC AG offers a range of sprocket wheels matching the RESATEC tensioner devices. Packed in the set type KS-Simplex, the sprocket wheel is supplied with the appropriate assembly material for the corresponding RESATEC tensioner device.

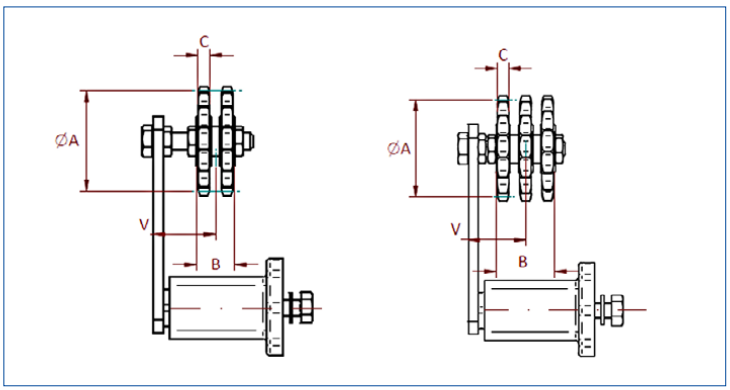
TYPE K

TYPE KS-SIMPLEX



TYPE KS-DUPLEX

TYPE KS-TRIPLEX



Matching to all TE-Types
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SPROCKET WHEEL
TYPE K / KS SIMPLEX

Dimensions

type	roller chain		C	no. of teeth	ø A	B	ø D	ball bearing	6kt hex-nut	weight
	DIN 8187	ANSI	Mm						3 pcs	kg
K 3/8" – 10	ISO – 06 B	35	5.7	15	45.81	9	10	6 200 – 2Z	-	0.02
K 1/2" – 10	ISO – 08 B	40	7.2	15	61.08	9	10	6 200 – 2Z	-	0.05
K 1/2" – 12	ISO – 08 B	40	7.2	15	61.08	12	12	6 301 – 2Z	-	0.08
K 5/8" – 12	ISO – 10 B	50	9.1	15	76.36	12	12	6 301 – 2Z	-	0.12
K 5/8" – 20	ISO – 10 B	50	9.1	15	76.36	15	20	6 304 – 2Z	M8 – 0.5d	0.05
K 3/4" – 12	ISO – 12 B	60	11.5	15	91.63	12	12	6 301 – 2Z	M10 – 0.5d	0.11
K 3/4" – 20	ISO – 12 B	60	11.5	15	91.63	15	20	6 301 – 2Z	M10 – 0.5d	0.14
K 1" – 20	ISO – 16 B	80	16.2	13	106.14	15	20	6 304 – 2Z	M12 – 0.5d	0.22
K 1 1/4" – 20	ISO – 20 B	100	18.5	13	132.67	15	20	6 304 – 2Z	M8 – 0.5d	0.07
K 1 1/2" – 20	ISO – 24 B	120	24.1	11	135.23	15	20	6 304 – 2Z	M10 – 0.5d	0.12

Material

sprockets DIN 1.0503 galvanised
teeth induction hardness HRC 50
tooth shape according ISO 606
temperature range – 40 °C until 120 °C
sprockets are loosely packed

Dimensions

type	roller chain		C	no. of teeth	ø A	B	screw	6kt hex-nut	torque	ball bearing	suitable for	adjusting range	weight
	DIN 8187	ANSI	Mm					3 pcs					kg
KS 3/8" – 10 S	ISO – 06 B-1	35	5.7	15	45.81	9	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 3/TE 4	21 – 50	0.13
KS 1/2" – 10 S	ISO – 08 B-1	40	7.2	15	61.08	9	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 4	21 – 50	0.2
KS 1/2" – 12 S	ISO – 08 B-1	40	7.2	15	61.08	12	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	27 – 67	0.25
KS 5/8" – 12 S	ISO – 10 B-1	50	9.1	15	76.36	12	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	27 – 67	0.4
KS 5/8" – 20 S	ISO – 10 B-1	50	9.1	15	76.36	15	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	0.7
KS 3/4" – 12 S	ISO – 12 B-1	60	11.5	15	91.63	12	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	27 – 67	0.6
KS 3/4" – 20 S	ISO – 12 B-1	60	11.5	15	91.63	15	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	0.9
KS 1" – 20 S	ISO – 16 B-1	80	16.2	13	106.14	15	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	1.3
KS 1 1/4" – 20 S	ISO – 20 B-1	100	18.5	13	132.67	15	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	41 – 121/ 49 – 121	2.05
KS 1 1/2" – 20 S	ISO – 24 B-1	120	24.1	11	135.23	15	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	41 – 121/ 49 – 121	2.4

Material

sprockets DIN 1.0503 galvanised
teeth induction hardness HRC 50
tooth shape according ISO 606
temperature range – 40 °C until 120 °C
srew DIN 933 ISO 4017 steel 8.8 galvanised
hex-nut DIN 439 B ISO 4035 steel 8.8 galvanised
set skinpacked on cardboard

KETTENRADSATZ
TYP KS DUPLEX / -TRIPLEX

Abmessungen

Typ	Rollenkette		C	Anzahl Zähne	ø A	B	Schraube	6kt-Mutter	Anzieh-Moment	Kugellager	passend zu	Einstell-bereich	Gewicht
	DIN 8187	ANSI	Mm				3 Stk.	3 Stk.	Nm		Typ	V	kg
KS 3/8" – 10 D	ISO – 06 B-2	35	5.7	15	45.81	19.2	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 3/TE 4	26 – 44	0.2
KS 1/2" – 10 D	ISO – 08 B-2	40	7.2	15	61.08	22.9	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 4	28 – 42	0.35
KS 1/2" – 12 D	ISO – 08 B-2	40	7.2	15	61.08	26.0	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	34 – 60	0.45
KS 5/8" – 12 D	ISO – 10 B-2	50	9.1	15	76.36	28.6	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	35 – 59	0.6
KS 5/8" – 20 D	ISO – 10 B-2	50	9.1	15	76.36	31.5	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	47 – 93	1
KS 3/4" – 12 D	ISO – 12 B-2	60	11.5	15	91.63	31.5	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	37 – 57	1.05
KS 3/4" – 20 D	ISO – 12 B-2	60	11.5	15	91.63	34.5	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	38 – 101	1.35
KS 1" – 20 D	ISO – 16 B-2	80	16.2	13	106.14	46.9	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	48 – 92	2.1
KS 1 1/4" – 20 D	ISO – 20 B-2	100	18.5	13	132.67	51.5	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	59 – 103/ 67 – 103	3.6
KS 1 1/2" – 20 D	ISO – 24 B-2	120	24.1	11	135.23	63.4	M20 × 140	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	65 – 97/ 73 – 97	4.25

Material Kettenräder

Kettenräder DIN 1.0503 galvanisch verzinkt
Zähne induktionsgehärtet HRC 50
Zähneform ISO 606
Temperaturbereich – 40 °C bis 120 °C
Schraube DIN 933 ISO 4017 Stahl 8,8 galvanisch verzinkt
6kt-Mutter DIN 439 B ISO 4035 Stahl 8,8 galvanisch verzinkt
Komponenten lose verpackt

Abmessungen

Typ	Rollenkette		C	Anzahl Zähne	ø A	B	Schraube	6kt-Mutter	Anzieh-moment	Kugel-lager	passend zu	Einstell-bereich	Gewicht
	DIN 8187	ANSI	Mm					3 Stk.			Typ	V	kg
KS 3/8" – 10 T	ISO – 06 B-3	35	5.7	15	45.81	29.4	M10 × 60	M10 – 0.5d	20	6 200 – 2Z	TE 4	32 – 39	0.25
KS 1/2" – 12 T	ISO – 08 B-3	40	7.2	15	61.08	40	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	41 – 53	0.5
KS 5/8" – 12 T	ISO – 10 B-3	50	9.1	15	76.36	45.2	M12 × 80	M12 – 0.5d	35	6 301 – 2Z	TE 5	43 – 51	0.95
KS 5/8" – 20 T	ISO – 10 B-3	50	9.1	15	76.36	48.2	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	55 – 85	1.25
KS 3/4" – 20 T	ISO – 12 B-3	60	11.5	15	91.63	54	M20 × 120	M20 – 0.5d	160	6 304 – 2Z	TE 6	58 – 82	1.5
KS 1" – 20 T	ISO – 16 B-3	80	16.2	13	106.14	78.8	M20 × 160	M20 – 0.5d	160	6 304 – 2Z	TE 7	72 – 110	2.9
KS 1 1/4" – 20 T	ISO – 20 B-3	100	18.5	13	132.67	88	M20 × 160	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	77 – 105/ 85 – 105	5.2
KS 1 1/2" – 20 T	ISO – 24 B-3	120	24.1	11	135.23	111.8	M20 × 180	M20 – 0.5d	160	6 304 – 2Z	TE 7/TE 8	89 – 113/ 97 – 113	6.2

Material Kettenräder

Kettenräder DIN 1.0503 galvanisch verzinkt
Zähne induktionsgehärtet HRC 50
Zähneform ISO 606
Temperaturbereich – 40 °C bis 120 °C
Schraube DIN 933 ISO 4017 Stahl 8,8 galvanisch verzinkt
6kt-Mutter DIN 439 B ISO 4035 Stahl 8,8 galvanisch verzinkt
Komponenten lose verpackt