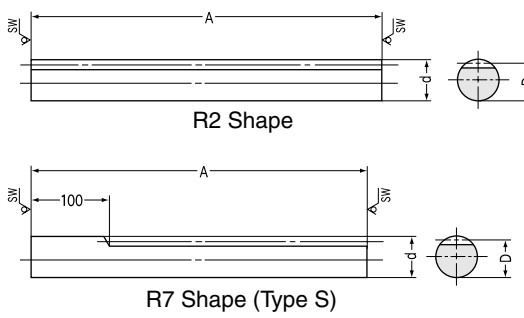
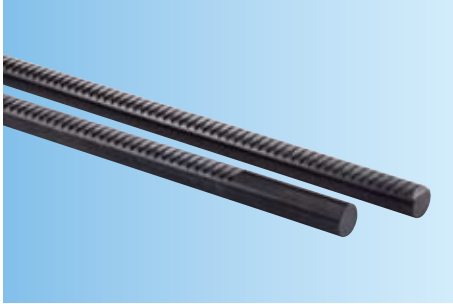




SRO·SROS Round Racks Modules 1~6



*SW is saw blade finish.

Specifications

Precision grade	KHK R 001 grade 4
Gear teeth	Standard full depth
Pressure angle	20°
Material	S45C-D
Heat treatment	Stress relief annealing
Tooth hardness	Less than 95HRB
Surface treatment	Black oxide
Tooth surface finish	Cut
Datum reference surface for gear cutting	—
Secondary Operations	Possible

Modules 1~6

Catalog No.	Module m	Total length A	Outside dia. dh9	Height to pitch line D	Effective No. of teeth	Shape	Allowable force (N) NOTE 2		Allowable force (kgf)		Weight (kgf)
							Bending strength	Surface durability	Bending strength	Surface durability	
SRO1 - 500	1	505	10	9	159	R2	800.3	120.7	(81.61)	(12.31)	0.29
SRO1.5- 500	1.5	505	15	13.5	105	R2	1800	287.6	(183.6)	(29.33)	0.65
SRO2 - 500	2	505	20	18	79	R2	3201	529.7	(326.4)	(54.01)	1.1
SRO2.5- 500	2.5	505	25	22.5	63	R2	5002	848.2	(510.1)	(86.49)	1.8
SRO3 - 500	3	505	30	27	52	R2	7203	1244	(734.5)	(126.9)	2.6
SRO4 - 500	4	505	40	36	39	R2	12810	2272	(1306)	(231.7)	4.6
SRO2 -1000	2	1010	20	18	159	R2	3201	529.7	(326.4)	(54.01)	2.3
SRO2.5-1000	2.5	1010	25	22.5	127	R2	5002	848.2	(510.1)	(86.49)	3.6
SRO3 -1000	3	1010	30	27	105	R2	7203	1244	(734.5)	(126.9)	5.2
SRO4 -1000	4	1010	40	36	79	R2	12810	2272	(1306)	(231.7)	9
SRO5 -1000	5	1010	50	45	63	R2	20000	3619	(2040)	(369)	14.3
SRO6 -1000	6	1010	60	54	52	R2	28810	5286	(2938)	(539)	20.6

NOTE 1: Tolerance of "d" dimension of SR06-1000 is h10.

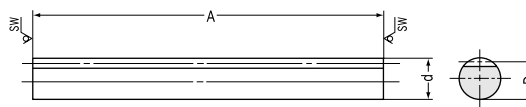
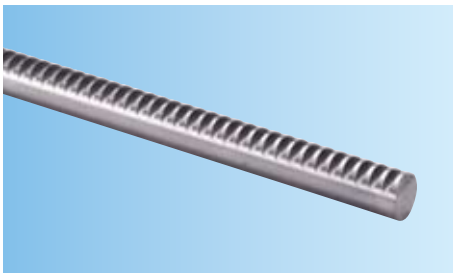
Modules 1~3 Type S

Catalog No.	Module m	Total length A	Outside dia. dh9	Height to pitch line D	Effective No. of teeth	Shape	Allowable force (N) NOTE 2		Allowable force (kgf)		Weight (kgf)
							Bending strength	Surface durability	Bending strength	Surface durability	
SROS1 -500	1	505	10	9	128	R7	800.3	120.7	(81.61)	(12.31)	0.29
SROS1.5-500	1.5	505	15	13.5	85	R7	1800	287.6	(183.6)	(29.33)	0.65
SROS2 -500	2	505	20	18	64	R7	3201	529.7	(326.4)	(54.01)	1.2
SROS2.5-500	2.5	505	25	22.5	51	R7	5002	848.2	(510.1)	(86.49)	1.8
SROS3 -500	3	505	30	27	42	R7	7203	1244	(734.5)	(126.9)	2.6

NOTE 2: The allowable forces shown in the table are the calculated values according to assumed usage conditions. Please see page 155 for more details.



SURO Stainless Steel Round Racks Modules 1~3



*SW is saw blade finish.

Specifications

Precision grade	KHK R 001 grade 5
Gear teeth	Standard full depth
Pressure angle	20°
Material	SUS303
Heat treatment	Solution heat treatment
Tooth hardness	Less than 187HB
Surface treatment	Passivation
Tooth surface finish	Cut
Datum reference surface for gear cutting	—
Secondary Operations	Possible

Modules 1~3

Catalog No.	Module m	Total length A	Outside dia. dh9	Height to pitch line D	Effective No. of teeth	Shape	Allowable force (N) NOTE 1		Allowable force (kgf)		Weight (kgf)
							Bending strength	Surface durability	Bending strength	Surface durability	
SURO1 - 500	1	505	10	9	159	R2	382	67.94	(38.95)	(6.928)	0.28
SURO1.5- 500	1.5	505	15	13.5	105	R2	859.4	161.8	(87.64)	(16.5)	0.65
SURO2 -1000	2	1010	20	18	159	R2	1528	297.9	(155.8)	(30.38)	2.3
SURO2.5-1000	2.5	1010	25	22.5	127	R2	2387	477.2	(243.4)	(48.66)	3.6
SURO3 -1000	3	1010	30	27	105	R2	3437	700.1	(350.5)	(71.39)	5.2

CAUTION: Round racks require special attention to prevent bending when used in an application where the racks are moved in a reciprocating action.

The allowable bending deformation of SURO racks is 0.3mm per 1m.

NOTE 1: The allowable forces shown in the table are the calculated value according to assumed usage conditions. Please see page 155 for more details.