



Product advantages:

- no locking-groove in shaft for fixing of nut, thus no weakening of shaft
- can be fixed on shaft thread in each position, thus allowing pre-stressing of roller-bearing-arrangements; can also be used as a fixed stop
- friction contact of all thread pitches, thus high holding-torque on shaft thread
- compensation of exceeding of shaft thread tolerances due to adaptation of nut thread diameter, thus reducing refuse of shaft components
- soft running while mounting due to widening of nut body
- easy loosening of nut even in case of fit-corrosion between nut and shaft thread due to widening of nut body

KSM standard types (further types upon request)

thread	outer diameter	width	type
Tr 220x4	280 ¹⁾	32 ¹⁾	KSM 3044
Tr 240x4	300 ¹⁾	34	KSM 3048
Tr 260x4	320 ¹⁾	34	KSM 3052
Tr 280x4	340 ¹⁾	38	KSM 3056
Tr 300x4	365 ¹⁾	42	KSM 3060
Tr 320x5	385 ¹⁾	42	KSM 3064
Tr 340x5	405 ¹⁾	45	KSM 3068
Tr 360x5	425 ¹⁾	45	KSM 3072
Tr 380x5	450	48	KSM 3076
Tr 400x5	470	52	KSM 3080
Tr 420x5	490	52	KSM 3084
Tr 440x5	520	60	KSM 3088
Tr 460x5	540	60	KSM 3092
Tr 480x5	560	60	KSM 3096
Tr 500x5	580	68	KSM 30/500
Tr 530x6	630	68	KSM 30/530
Tr 560x6	650	75	KSM 30/560
Tr 600x6	700	75	KSM 30/600

thread	outer diameter	width	type
Tr 630x6	730	75	KSM 30/630
Tr 670x6	780	80	KSM 30/670
Tr 710x7	830	90	KSM 30/710
Tr 750x7	870	90	KSM 30/750
Tr 800x7	920	90	KSM 30/800
Tr 850x7	980	90	KSM 30/850
Tr 900x7	1030	100	KSM 30/900
Tr 950x8	1080	100	KSM 30/950
Tr 1000x8	1140	100	KSM 30/1000
Tr 1060x8	1200	100	KSM 30/1060
Tr 1120x8	1260	100	KSM 30/1120
Tr 1180x8	1320	100	KSM 30/1180
Tr 1250x8	1390	110	KSM 30/1250
Tr 1320x8	1460	110	KSM 30/1320
Tr 1400x8	1540	110	KSM 30/1400
Tr 1500x8	1650	110	KSM 30/1500
Tr 1700x8	1850	110	KSM 30/1700

¹⁾ : dimension different from ISO 2982 / DIN 981

Dimensions

dimensions according to range HM 30 of ISO 2982-2:2001

other dimensions or special designs upon request

Threading

nut thread: metric trapezoid thread according to ISO 2903:1993, quality 7H

shaft thread: metric trapezoid thread according to ISO 2903:1993, quality 7e is recommended

other types of threading upon request

Material

nut body: steel - minimum yield strength 305 N/mm²

tensioning bolt: steel - quality 10.9

cross bolt: steel

other materials upon request

Surfaces

nut body: bare steel ; corrosion protection oil

tensioning bolt: Dacromet 500-coating

cross bolt: bare steel ; corrosion protection oil

other surface treatment upon request

Patented clamping mechanism

