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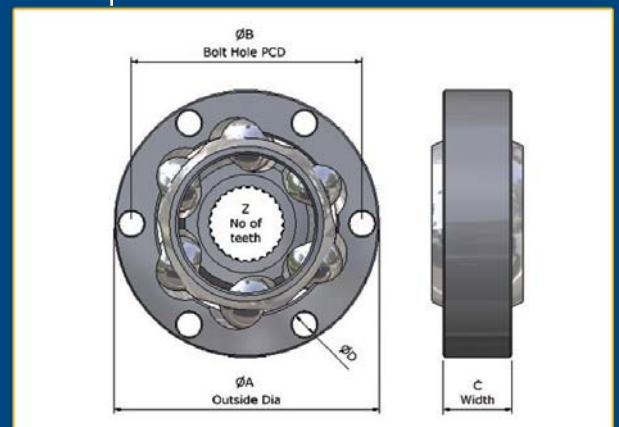
# GKN CONSTANT VELOCITY JOINTS

Constant velocity plunging joints developed by GKN permit easy motion on both wheel and differential applications. On the back of over 30 years of continuous development of GKN Driveline products, GKN Motorsport plunging CV joints offer significant weight reduction, cooler running temperatures and enhanced joint life and performance.

Plunging joints are most often used as the inboard joint (transmission side) on FWD vehicles and on the inboard and outboard of RWD and AWD applications with independent suspension.

GKN is the largest designer and manufacturer of driveline solutions in the world, which enables GKN Motorsport to offer an unsurpassed range of standard, lightened and easy motion constant velocity joints able to cope with the most demanding applications.

Some of the most popular CV joint sizes available are listed below. If the part you need is not listed please contact one of the GKN Motorsport facilities who will be happy to discuss your requirements.

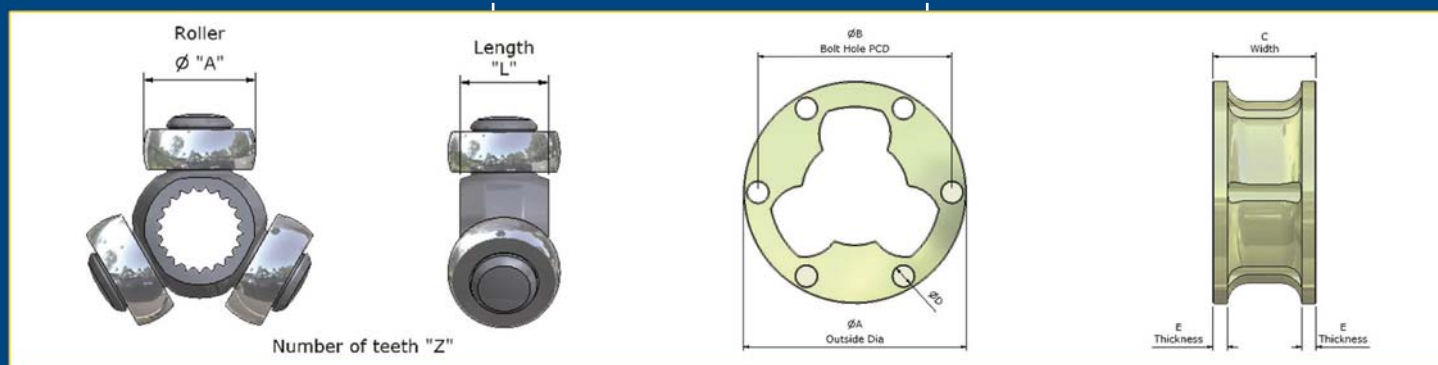


Part Number	Dimensions 'A'	Dimensions 'B'	Dimensions 'D'	Dimensions 'C'	Plunge Movement mm	Number of Teeth 'Z'	Comments
MS3J001	94 & 90	78	8	32	+/- 8	33	Standard unmodified joint, Formula Ford
MS3J003	94 & 90	78	8	32	+/- 8	33	Lightweight and easy motion to suit Formula Ford
MS3K001	100	86	10	32	+/- 14	25	Lightweight & easy motion, WRC, Cosworth, front inner
MS3K002	100	86	10	32	+/- 20	25	Lightweight & easy motion, WRC, Cosworth, front inner
MS3K008	100	86	10	32	+/- 14	28	Lightweight & easy motion, WRC, Cosworth, front inner
MS3K020	100	86	8	32	+/- 8	25	Lightweight and easy motion, standard duty applications
MS3K023	100	86	8	32	+/- 8	25	Standard unmodified joint, standard duty applications
MS3K025	100	86	10	32	+/- 8	25	Lightweight and easy motion, standard duty applications
MS3K031	100	86	8	32	+/- 8	33	Lightweight and easy motion, standard duty applications
MS3K032	100	86	10	32	+/- 8	28	Standard heavy duty joint with new ball hub
MS3K036	100	86	10	32	+/- 8	25	Lightweight and easy motion, standard duty applications
MS3K037	100	86	10	32	+/- 8	25	Lightweight and easy motion, heavy duty applications
MS3K038	100	86	8	32	+/- 8	25	Lightweight and easy motion, heavy duty applications
MS3N001	108	94	10	32	+/- 8	28	Escort Cosworth inboard/outboard joint rear
MS3N014	108	94	10	40	+/- 14	28	Lightweight and easy motion, deep plunge
MS3N015	108	94	10	32	+/- 8	28	Lightweight and easy motion, standard duty applications
MS3N020	108	94	10	32	+/- 8	28	Endurance joint, contoured outer race
MS3N042	108	94	10	32	+26 -22	28	Standard unmodified joint, extra deep plunge, wide ball hub
MS3N044	108	94	10	32	+/- 13	28	Lightweight and easy motion, deep plunge
MS3N045	108	94	10	32	+/- 20	28	Lightweight and easy motion, deep plunge
MS3N048	108	94	10	32	+/- 14	28	Contoured outer profile for heat reduction, easy motion
MS3S001	115	100	12	32	+/- 8	30	Standard unmodified joint
MS3S002	115	100	12	32	+/- 8	30	Contoured outer profile for heat reduction, Porsche GT2/3
MS3S011	115	100	12	32	+/- 8	30	Easy motion joint

# GKN TRIPOD JOURNALS & HOUSINGS

Using the vast experience GKN have gained developing and manufacturing tripod applications for OEM customers around the world, GKN motorsport can offer a wide range of tripod journals and bespoke tripod housings to suit almost every situation.

Tripod joints offer extremely low plunging forces and greater efficiency while operating at higher angles. Housings can be produced from forgings or from solid material and can be designed to utilise a Lobro style bolt pattern making CV to tripod switch simple, or alternatively a "plug in" variant.



Part Number	Dimensions 'A' mm	Dimensions 'B' mm	Dimensions 'C' mm	Dimensions 'D' mm	Dimensions 'E' mm	Dimensions 'L' mm	Number of Teeth 'Z'	Comments
MS3H001	29.95					23.5	22	GI69 tripod
MS3H002	29.95					23.5	30	GI69 tripod
MS3H003	29.95					23.5	23	GI69 tripod
MS3H004	29.95					24.5	22	GI69 tripod – wide body
MS3H005	35.50					27	24	GI2600i tripod
MS3H006	30.42					24	21	GI1700i tripod
MS3H007	33.90					26.6	23	GI2300i tripod
MS3M001	33.90					30	27	GI82 tripod
MS3M002	33.90					30	27	GI82 tripod – shot peened
MS3M008	38.00					29.2	26	GI3300i tripod
MS3S003	33.90					31.25	30	GI87 tripod
MS3S005	33.90					31.25	30	GI87 tripod – shot peened
MS9H009		78	40	8	90/94		n/a	6 holes unequally spaced in pairs
MS9H010		78	32	8	90/94		n/a	To suit GI69 tripods, other widths available
MS9M01-040		94	40	10	108		n/a	To suit GI82 tripods, other widths available

# GKN TRIPOD BOOTS AND GREASES

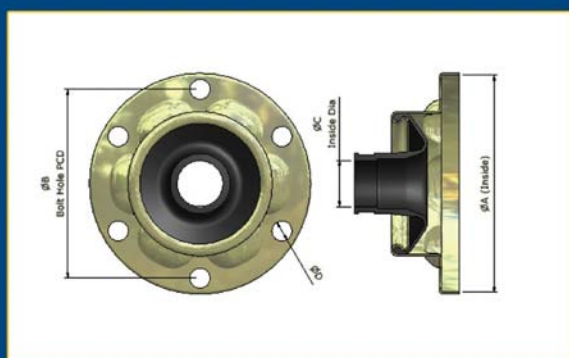
Especially developed for use with GKN CV and Tripod joints GKN Motorsport greases help reduce power losses and increase durability, while offering low friction and wear properties and a wide thermal operating range.



The tripod grease is optimised for tripod lubrication, has high scuffing resistance but does not contain any solid additives (which can reduce life by jamming the needle bearings).



GKN Motorsport ball joint grease has ultra high load carrying capacity and optimised viscosity and is suitable for all fixed and plunging (Lobro) CV joints.



The correct type and size of boot is a vital part of the driveline assembly, GKN Motorsport boots are maximised for performance and durability. Please contact one of the GKN Motorsport facilities for more information on boots for fixed joints and boots utilising other materials. Our most popular part numbers are listed below

Part Number	Dimensions 'A' mm	Dimensions 'B' mm	Dimensions 'C' mm	Dimensions 'D' mm	Comments
MS6J002	93	80	22	8.2	"Fast" boot & plate to suit Ø94mm CV joints and tripod housings
MS6K023	99	86	22	8.2	"Fast" boot & plate to suit Ø100mm CV joints & tripod housings (no indents)
MS6K012	99	86	22	8.2	"Slow" boot & plate to suit Ø100mm CV joints & tripod housings
MS6K024	99	86	22	8.2	"Fast" boot & plate to suit Ø100mm CV joints & tripod housings (with indents)
MS6K032	99	86	22	10.2	"Fast" boot & plate to suit Ø100mm CV joints & tripod housings (with indents)
MS6N001	107	94	22	10.2	"Fast" boot & plate to suit Ø108mm CV joints & tripod housings
MS6N003	107	94	25	10.2	"Slow" boot & plate to suit Ø108mm CV joints & tripod housings
MS6N011	107	94	22	10.2	"Fast" boot & plate to suit Ø108mm CV joints & tripod housings (high angle)
MS6S002	114	100	25	10.5	"Fast" boot & plate to suit Ø115mm CV joints
MS6S008	115	100	25	10.5	"Slow" boot & plate to suit Ø115mm CV joints
MS6S009	114	100	25	10.5	"Slow" boot & plate to suit Ø115mm CV joints

# ROLLED SPLINE BARSHAFTS

GKN barshafts are used extensively in WRC, Touring Car, GT and Rallying applications and are manufactured to the highest quality. Shafts are individually designed and manufactured to suit each customer's requirements, from Formula Ford and Clubman Racing right through to WRC and beyond.

Our designs are complemented by the extensive use of certified aerospace materials and incorporate hollow, shot peened shafts offering the ultimate in strength and weight and are available in a range of finishes.

Splines are rolled up to a shoulder, which the CV joint can be pushed up to, eliminating the need for spacers. This process of cold rolling helps reduce the stress induced during manufacture in the critical area of spline run out, therefore increasing strength/fatigue resistance.



GKN barshafts can be manufactured as a solid barshaft or a gun drilled hollow barshaft, with bore diameters ranging from 12.5mm to 20mm.



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GKN Motorsport specialise in the design and manufacture of driveline products for all areas of motorsport, from clubman through to professional teams.

Please contact us for all of your 4x4, front wheel drive and rear wheel drive requirements.

GKN SUPPLYING SITE

GKN MOTORSPORT  
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