

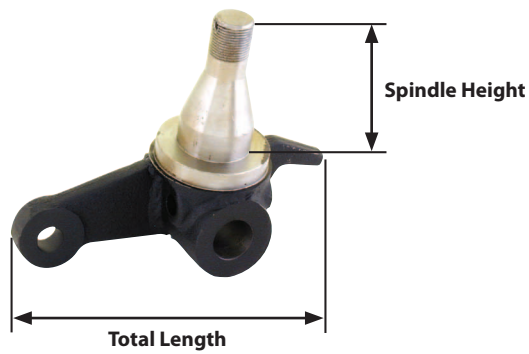
Knuckles Nudillos Jointures	12.2
Torque Generators Generadores de Torque Générateurs de Couple	12.8
Links Bielas Bielles de Direction	12.9
Bellcranks & Spiders.	12.12
Steering Wheels & Hubs Ruedas Directrices Roues Directrices.	12.14
Axles, Shafts & Pins Ejes y Pasadores Axes et Arbres	12.16
Center Pin Kits Kits de Pasadores Centrales Joints et Kits de Réparation	12.19
King Pin Kits Kits de Pasadores y Sellos King Joints et Kits de Réparation	12.20
Rod Ends Rótulas de Dirección Embouts à Rotule	12.22
Steering Knobs Puños de Volante Boutons de Direction	12.29
Steering Wheels Volantes Volants	12.33



For complete information on all parts including part numbers, descriptions and images, visit us at www.irmn.com
 Para obtener información completa de todas las partes, incluyendo los números de partes, descripciones e imágenes, visite www.irmn.com
 Pour plus d'informations sur les différentes pièces notamment les références de pièces, les descriptions et images, rendez vous sur notre site www.irmn.com

12

Knuckles Nudillos Jointures



	Total Length	Spindle Height	Right or Left handed
SY86923	3.15" 80mm	3.78" 96mm	Right hand



SY86927	3.15" 80mm	3.78" 96mm	Left hand
---------	---------------	---------------	-----------



SY86921	3.27" 83mm	3.43" 87mm	Right hand
---------	---------------	---------------	------------



SY86925	3.27" 83mm	3.43" 87mm	Left hand
---------	---------------	---------------	-----------



SY86928	3.27" 83mm	3.43" 87mm	Left hand
---------	---------------	---------------	-----------



	Total Length	Spindle Height	Right or Left handed
SY40694	3.37" 86mm	3.54" 90mm	Left hand



SY86930	3.37" 86mm	3.54" 90mm	Right hand
---------	---------------	---------------	------------



SY86873	3.38" 86mm	3.54" 90mm	Left hand
---------	---------------	---------------	-----------



SY86874	3.39" 86mm	3.54" 90mm	Right hand
---------	---------------	---------------	------------



SY86875	3.39" 86mm	3.54" 90mm	Left hand
---------	---------------	---------------	-----------



Knuckles Nudillos Jointures

	Total Length	Spindle Height	Right or Left handed		Total Length	Spindle Height	Right or Left handed
SY86903	3.39" 86mm	3.69" 94mm	Right hand		SY86890	3.94" 100mm	3.62" 92mm Right hand
SY86904	3.39" 86mm	3.68" 94mm	Right hand		SY86891	3.94" 100mm	3.62" 92mm Left hand
SY86906	3.39" 86mm	3.69" 94mm	Left hand		SY86893	3.94" 100mm	3.58" 91mm Left hand
SY32643	3.47" 88mm	3.5" 89mm			SY86894	3.94" 100mm	3.58" 91mm Right hand
SY86866	3.50" 89mm	4.04" 103mm	Right hand		SY86896	3.94" 100mm	3.59" 91mm Right hand
SY86897	3.93" 100mm	3.59" 91mm	Left hand		SY86929	3.94" 100mm	5.94" 151mm Right hand
SY86898	3.93" 100mm	3.59" 91mm	Right hand		SY86911	3.96" 101mm	3.98" 101mm Right hand

Knuckles Nudillos Jointures

	Total Length	Spindle Height	Right or Left handed
SY86912	3.96" 101mm	3.98" 101mm	Left hand
			
SY86907	3.98" 101mm	4.19" 107mm	Right hand
			
SY86908	3.98" 101mm	4.19" 107mm	Left hand
			
SY86909	3.98" 101mm	4.15" 106mm	Right hand
			
SY86910	3.98" 101mm	4.15" 106mm	Left hand
			
SY86913	3.98" 101mm	4.02" 102mm	Right hand
			
SY86914	3.98" 101mm	4.02" 102mm	Left hand
			

	Total Length	Spindle Height	Right or Left handed
SY86915	3.98" 101mm	4.02" 102mm	Right hand
			
SY86905	4.02" 102mm	3.90" 99mm	Right hand
			
SY86916	4.06" 103mm	3.94" 100mm	Right hand
			
SY86917	4.06" 103mm	3.94" 100mm	Left hand
			
SY86918	4.06" 103mm	3.94" 100mm	Right hand
			
SY86919	4.06" 103mm	3.94" 100mm	Left hand
			
SY86920	4.06" 103mm	4.02" 102mm	Right hand
			

Knuckles Nudillos Jointures

	Total Length	Spindle Height	Right or Left handed		Total Length	Spindle Height	Right or Left handed
SY86900	4.25" 108mm	4.76" 121mm	Left hand		SY32010	4.49" 114mm	3.78" 96mm Right hand
SY86901	4.25" 108mm	4.76" 121mm	Right hand		SY86884	5.24" 133mm	3.47" 88mm Left hand
SY86932	4.27" 109mm	4.72" 120mm	Left hand		SY86885	5.24" 133mm	3.47" 88mm Right hand
SY86933	4.27" 109mm	4.72" 120mm	Right hand		SY86931	5.26" 134mm	3.58" 91mm Right hand
SY80177	4.33" 110mm	4.09" 104mm	Right hand		SY86886	5.39" 137mm	4.29" 109mm Right hand
SY86878	4.37" 111mm	3.28" 83mm	Right hand		SY33164	5.5" 140mm	4.12" 105mm Right hand
SY86879	4.37" 111mm	3.28" 83mm	Left hand		SY33166	5.5" 140mm	4.12" 105mm Left hand

Please see beginning of section for technical data reference.

Por Favor, consulte la primera pagina de la sección para obtener los datos de referencia técnica.

Pour plus de données techniques référez vous au début de cette section.

Knuckles Nudillos Jointures

	Total Length	Spindle Height	Right or Left handed
SY86880	5.61" 142mm	3.31" 84mm	Right hand
			
SY86881	5.61" 142mm	3.31" 84mm	Left hand
			
SY86934	5.73" 146mm	4.33" 110mm	Right hand
			
SY86867	5.87" 149mm	4.16" 106mm	Right hand
			
SY86868	5.87" 149mm	4.16" 106mm	Left hand
			
SY86877	6.3" 160mm	4.02" 102mm	Left hand
			
SY86882	6.54" 166mm	3.31" 84mm	Right hand
			

	Total Length	Spindle Height	Right or Left handed
SY86883	6.54" 166mm	3.31" 84mm	Left hand
			
SY86876	6.65" 169mm	4.02" 102mm	Right hand
			
SY40685	6.98" 177mm	3.91" 99mm	
			
SY86887	7.15" 182mm	3.64" 93mm	Right hand
			
SY86888	7.44" 189mm	4.32" 110mm	Left hand
			
SY86889	7.44" 189mm	4.32" 110mm	Right hand
			
SY38876	7.55" 192mm	2.91" 74mm	Right hand
			

Knuckles Nudillos Jointures

	Total Length	Spindle Height	Right or Left handed		Total Length	Spindle Height	Right or Left handed
SY38875	7.56" 192mm	2.91" 74mm	Left hand		SY86871	10.47" 266mm	6.65" 169mm
SY86870	7.64" 194mm	5.4" 137mm	Left hand		SY31985	10.71" 272mm	4.49" 114mm
SY45829	8.94" 227mm	4.13 " 105mm	Right hand		SY349279	10.71" 272mm	4.49" 114mm
SY45830	8.94" 227mm	4.13" 105mm	Left hand				

Please see beginning of section for technical data reference.

Por Favor, consulte la primera pagina de la sección para obtener los datos de referencia técnica.

Pour plus de données techniques référez vous au début de cette section.

Torque Generators Generadores de Torque Générateurs de Couple



	Length	Type	Connections	Splines
SY93143	4.69" 119mm	Side connection	5	12



SY93145	5.12" 130mm	Side connection	4	12
---------	----------------	-----------------	---	----



SY86763	5.12" 130mm	Side connection	4	12
---------	----------------	-----------------	---	----



SY93140	5.2" 132mm	Side connection	5	12
---------	---------------	-----------------	---	----



SY93144	5.2" 132mm	Side connection	5	12
---------	---------------	-----------------	---	----



	Length	Type	Connections	Splines
SY86764	5.91" 150mm	Side connection	5	12



SY93090	9.13" 232mm	Moment amplifier	2	0
---------	----------------	------------------	---	---



SY52781	9.17" 233mm	Moment amplifier	2	0
---------	----------------	------------------	---	---



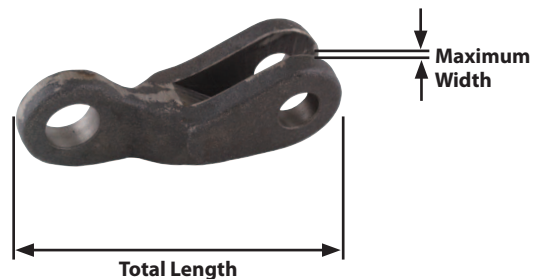
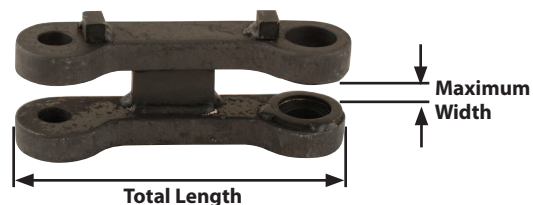
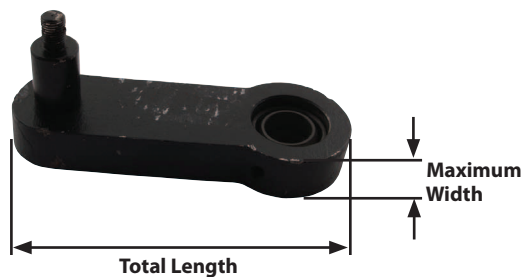
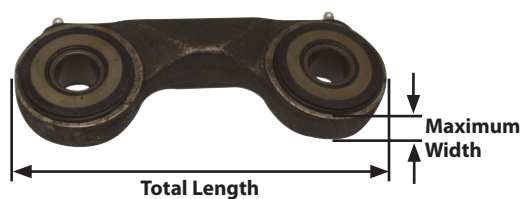
SY93142	9.29" 236mm	Moment amplifier	2	0
---------	----------------	------------------	---	---



SY93141	9.33" 237mm	Moment amplifier	2	0
---------	----------------	------------------	---	---



Links Bielas Biellettes de Direction



	Total Length	Maximum Width	Grease Nipple
SY86863	4.28" 109mm	1.56" 40mm	Provided



	Total Length	Maximum Width	Grease Nipple
SY86864	5.62" 143mm	0.35" 9mm	None



SY86865	4.69" 119mm	0.87" 22mm	None
---------	----------------	---------------	------



SY31648	5.81" 148mm	0.6" 15mm	Provided
---------	----------------	--------------	----------



SY86849	5.44" 138mm	0.55" 14mm	None
---------	----------------	---------------	------



SY86845	5.87" 149mm	0.48" 12mm	Provided
---------	----------------	---------------	----------



SY86851	5.47" 139mm	0.79" 20mm	Provided
---------	----------------	---------------	----------



SY86847	5.87" 149mm	1.65" 42mm	None
---------	----------------	---------------	------



SY86852	5.47" 139mm	0.79" 20mm	Provided
---------	----------------	---------------	----------



SY86857	5.87" 149mm	1.65" 42mm	None
---------	----------------	---------------	------



Links Bielas Biellettes de Direction

	Total Length	Maximum Width	Grease Nipple
SY86862	5.87" 149mm	1.65" 42mm	None
			
SY44109	5.94" 151mm	0.63" 16mm	Provided
			
SY34755	6.17" 157mm	2.24" 57mm	None
			
SY86854	6.22" 158mm	2.24" 57mm	None
			
SY86855	6.22" 158mm	2.24" 57mm	None
			
SY34754	6.26" 159mm	2.22" 57mm	None
			
SY41807	6.5" 165mm	0.63" 16mm	Provided
			
SY86856	6.52" 166mm	1.91" 49mm	None
			

	Total Length	Maximum Width	Grease Nipple
SY44110	6.65" 169mm	0.62" 16mm	Provided
			
SY86850	6.69" 170mm	0.59" 15mm	Present
			
SY86853	6.69" 170mm	0.59" 15mm	Present
			
SY86846	6.69" 170mm	0.76" 19mm	Provided
			
SY83381	6.79" 173mm	0.57" 14mm	Present
			
SY46971	7.13" 181mm	0.56" 14mm	Provided
			
SY86860	7.17" 182mm	0.69" 18mm	Present
			
SY42001	7.82" 199mm	0.47" 12mm	Provided
			

Links Bielas Bielles de Direction

	Total Length	Maximum Width	Grease Nipple
SY86848	8.07" 205mm	1.4" 36mm	None



SY31666	8.54" 217mm	2.36" 60mm	Provided
---------	----------------	---------------	----------



SY52608	8.62" 219mm	2.83" 72mm	Provided
---------	----------------	---------------	----------



	Total Length	Maximum Width	Grease Nipple
SY43921	8.66" 220mm	0.47" 12mm	None



SY86861	8.74" 222mm	0.7" 18mm	Present
---------	----------------	--------------	---------

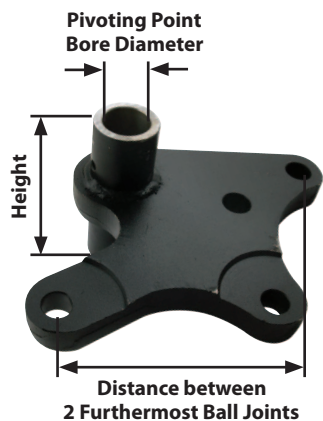


Please see beginning of section for technical data reference.

Por Favor, consulte la primera pagina de la sección para obtener los datos de referencia técnica.

Pour plus de données techniques référez vous au début de cette section.

Bellcranks & Spiders

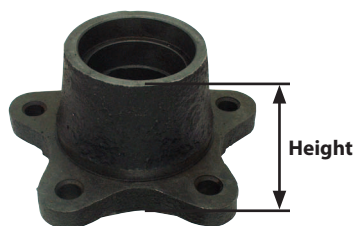


	Pivoting Point Bore Diameter	Height	Distance between 2 Furthestmost Ball Joints
SY88576	1.26" 32mm	6.17" 157mm	8.54" 217mm
			
SY88575	1.38" 35mm	3.09" 79mm	10.24" 260mm
			
SY86954	1.38" 35mm	5.25" 133mm	9.39" 238mm
			
SY86955	1.38" 35mm	5.21" 132mm	9.31" 237mm
			
SY86956	1.38" 35mm	3.11" 79mm	10.31" 262mm
			

Bellcranks & Spiders

	Pivoting Point Bore Diameter	Height	Distance between 2 Furthestmost Ball Joints
SY86957	1.46" 37mm	5.54" 141mm	8.69" 221mm
			
SY40651	1.50" 38mm	3.50" 89mm	9.22" 234mm
			
SY40652	1.50" 38mm	3.5" 89mm	9.65" 245mm
			
SY40688	1.99" 51mm	3.5" 89mm	9.65" 245mm
			
SY40693	2.00" 51mm	3.49" 89mm	9.33" 237mm
			
SY40658	3.15" 80mm	2.87" 73mm	10.72" 272mm
			
SY86953	4.33" 110mm	3.94" 100mm	14.5" 368mm
			

Steering Wheels & Hubs Ruedas Directrices Roues Directrices



	Total Height		Wheel Bolt Holes	Splines
SY86959	2.98"	76mm	6	0



SY86961	3.05"	77mm	6	0
---------	-------	------	---	---



SY40610	3.50"	89mm	5	0
---------	-------	------	---	---



SY40657	3.50"	89mm	5	0
---------	-------	------	---	---



SY86967	3.58"	91mm	6	4
---------	-------	------	---	---



SY86965	3.59"	91mm	6	4
---------	-------	------	---	---



	Total Height		Wheel Bolt Holes	Splines
SY86966	3.60"	92mm	6	0



SY40663	3.64"	93mm	6	0
---------	-------	------	---	---



SY86962	3.70"	94mm	6	0
---------	-------	------	---	---



SY86964	3.70"	94mm	5	0
---------	-------	------	---	---



SY32637	3.72"	95mm	6	0
---------	-------	------	---	---



SY86969	3.90"	99mm	6	0
---------	-------	------	---	---



Steering Wheels & Hubs Ruedas Directrices Roues Directrices

	Total Height		Wheel Bolt Holes	Splines		Total Height		Wheel Bolt Holes	Splines		
SY86970	4.06"	103mm	8	0		SY32100	4.53"	115mm	5	0	
SY23152	4.25"	108mm	0	0		SY86960	4.69"	119mm	5	0	
SY45891	4.25"	108mm	5	0		SY86958	4.75"	121mm	6	0	
SY86968	4.45"	113mm	6	0		SY38988	6.50"	165mm	8	0	

Axles, Shafts & Pins Ejes y Pasadores Axes et Arbres

Axle without Body Machining



	Overall Width		Diameter	
SY52567	2.625"	67mm	1.063"	17mm
SY40281	6.5"	165mm	1"	25mm
SY40608	6.75"	172mm	1.625"	41mm
SY53196	7.25"	184mm	1.125"	29mm

	Overall Width		Diameter	
SY53196	7.5"	195mm	1.109"	28mm
SY88779	7.625"	194mm	1.25"	32mm
SY88784	9.875"	251mm	1.75"	45mm

Axle with 1 Drilled Hole



	Overall Width		Diameter	
SY23013	12.063"	316mm	0.438"	11mm
SY40258	3"	76mm	1.25"	32mm
SY31953	3"	76mm	0.675"	22mm
SY43625	4.375"	111mm	0.875"	22mm
SY88786	4.375"	111mm	0.675"	22mm
SY40259	4.675"	124mm	0.75"	19mm
SY43775	4.75"	121mm	1.375"	35mm
SY40567	5.5"	140mm	0.675"	22mm
SY40550	5.565"	141mm	1.078"	22mm
SY48136	5.719"	145mm	0.984"	25mm
SY88787	5.859"	149mm	0.859"	22mm
SY88775	5.875"	149mm	1.125"	29mm
SY31956	6.125"	156mm	1.313"	24mm
SY40625	6.125"	156mm	1.375"	35mm
SY88809	6.188"	157mm	0.875"	22mm
SY88776	6.25"	159mm	0.875"	22mm
SY40266	6.25"	159mm	1"	25mm
SY40559	6.25"	159mm	1.125"	29mm
SY41246	6.313"	160mm	1.188"	20mm
SY88785	6.375"	162mm	.875"	22mm
SY43712	6.5"	165mm	1.375"	35mm
SY52573	6.61"	168mm	0.938"	24mm
SY40687	6.813"	173mm	1.469"	37mm

	Overall Width		Diameter	
SY88803	6.929"	177mm	1.313"	24mm
SY88790	7"	178mm	1.109"	28mm
SY52724	7.063"	179mm	1.25"	32mm
SY88778	7.281"	185mm	1.109"	28mm
SY43938	7.281"	185mm	1.188"	20mm
SY36108	7.313"	186mm	1.25"	32mm
SY40560	7.469"	190mm	1.5"	38mm
SY88797	7.5"	191mm	1.25"	32mm
SY88780	7.734"	196mm	1.188"	30mm
SY88796	7.75"	197mm	1.125"	29mm
SY53906	7.798"	198mm	1.25"	32mm
SY43693	7.844"	199mm	1.25"	32mm
SY88782	8.187"	208mm	1.109"	28mm
SY45584	8.500"	216mm	1"	25mm
SY88783	8.566"	217mm	1.566"	40mm
SY52110	8.625"	219mm	1.125"	29mm
SY48229	8.875"	225mm	1.188"	20mm
SY88805	8.891"	226mm	1.375"	35mm
SY88807	9.5"	244mm	1.5"	38mm
SY48144	9.594"	244mm	1.188"	20mm
SY40614	9.813"	249mm	1.75"	45mm
SY88812	11"	279mm	1.5"	38mm

Axles, Shafts & Pins Ejes Axes et Arbres

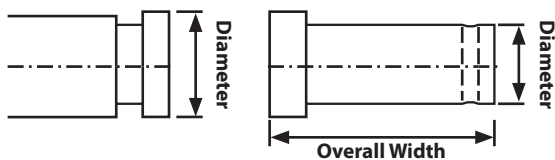
Axle with 2 Drilled Holes



	Overall Width		Diameter	
SY108291	10.75"	273mm	1.563"	40mm
SY39096	16.938"	430mm	1.5"	38mm
SY23367	4.816"	122mm	0.938"	24mm
SY40299	5.031"	128mm	0.75"	19mm
SY36722	5.75"	146mm	1"	25mm
SY43724	6.375"	162mm	1.375"	35mm
SY44199	6.375"	162mm	1.375"	35mm
SY88810	6.5"	165mm	0.875"	22mm
SY40277	6.578"	167mm	1.125"	29mm
SY40592	6.75"	172mm	1.25"	32mm
SY48143	6.938"	176mm	1.313"	24mm
SY48138	7"	178mm	1.188"	20mm
SY31947	7.125"	181mm	1.25"	32mm
SY44197	7.25"	184mm	1.375"	35mm
SY44221	7.25"	184mm	1.375"	35mm
SY88791	7.359"	187mm	1.109"	28mm
SY52664	7.375"	187mm	1.094"	28mm
SY88808	7.375"	187mm	1.875"	48mm
SY45084	7.391"	188mm	1.25"	32mm
SY88794	7.44"	189mm	1.109"	28mm
SY31957	7.5"	191mm	1"	25mm
SY88788	7.5"	191mm	1.063"	17mm

	Overall Width		Diameter	
SY88793	7.5"	191mm	1.109"	28mm
SY88795	7.5"	191mm	1.125"	29mm
SY31950	7.609"	193mm	1.25"	32mm
SY48142	7.625"	194mm	1.313"	24mm
SY99-00714	7.675"	200mm	1.063"	17mm
SY88781	7.75"	197mm	1"	25mm
SY88789	7.834"	199mm	1.102"	28mm
SY51817	7.906"	201mm	1.109"	28mm
SY51816	8.031"	204mm	1.109"	28mm
SY31949	8.313"	211mm	1.25"	32mm
SY48140	8.453"	215mm	1.188"	20mm
SY88802	8.464"	215mm	1.299"	33mm
SY43733	8.5"	216mm	1.375"	35mm
SY88800	8.75"	222mm	1.25"	32mm
SY31948	8.844"	225mm	1.25"	32mm
SY88801	8.859"	225mm	1.25"	32mm
SY88792	8.897"	226mm	1.109"	28mm
SY31949	8.938"	211mm	1.25"	32mm
SY88799	9.094"	231mm	1.25"	32mm
SY88811	9.125"	232mm	1.25"	38mm
SY54129	9.125"	232mm	1.375"	35mm
SY88806	9.212"	234mm	1.375"	35mm

Axle with Head and Drilled Hole or Groove



	Overall Width		Diameter	
SY108298	7.188"	183mm	1.625"	41mm
SY108330	8.125"	206mm	2.125"	54mm

	Overall Width		Diameter	
SY88804	9.188"	233mm	1.375"	35mm
SY45895	9.281"	236mm	1.188"	20mm

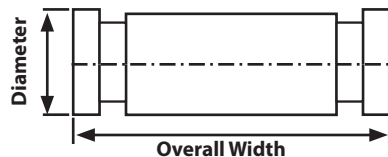
Axles, Shafts & Pins Ejes Axes et Arbres

Axle with Groove at the Lip



	Overall Width		Diameter	
SY40630	5.688"	145mm	1.125"	29mm

Axle with 2 Grooves



	Overall Width		Diameter	
SY44873	2.657"	68mm	0.625"	16mm
SY43902	16.25"	413mm	1.5"	38mm

	Overall Width		Diameter	
SY88798	8.375"	213mm	1.25"	32mm
SY54152	9.055"	230mm	1.377"	35mm

Special

	Overall Length		Shaft Length (from Under Head)		Diameter		Thread
SY77818	4.63"	118mm	4.28"	109mm	.625"	16mm	5/8-11
							
SY77114	5.64"	143mm	5.25"	133mm	.875"	22mm	7/8-14 UNF
							

Center Pin Kits Kits de Pasadores Centrales Joints et Kits de Réparation

	Length	Diameter
SY551200	4.82" 122mm	0.94" 24mm



	Length	Diameter
SY551202	7.125" 181mm	1.25" 32mm



SY551104	5.69" 145mm	1.125" 29mm
----------	----------------	----------------



SY551207	7.125" 181mm	1.25" 32mm
----------	-----------------	---------------



SY551401	5.88" 149mm	1.125" 29mm
----------	----------------	----------------



SY551203	7.39" 188mm	1.25" 32mm
----------	----------------	---------------



SY551101	6.75" 172mm	1.250" 32mm
----------	----------------	----------------



SY551301	7.84" 199mm	1.25" 32mm
----------	----------------	---------------



SY52736	6.75" 172mm	1.625" 41mm
---------	----------------	----------------



SY551206	8.31" 211mm	1.25" 32mm
----------	----------------	---------------



SY551102	6.81" 173mm	1.47" 37mm
----------	----------------	---------------



King Pin Kits Kits de Pasadores y Sellos King Joints et Kits de Réparation

	Length	Diameter
SY541010	5.03" 128mm	0.75" 19mm



	Length	Diameter
SY52303	6.125" 156mm	1.31" 24mm



SY541118	5.5" 140mm	0.675" 22mm
----------	---------------	----------------



SY541115	6.25" 159mm	1.125" 29mm
----------	----------------	----------------



SY48137	5.72" 145mm	0.98" 25mm
---------	----------------	---------------



SY41130	6.31" 160mm	1.19" 20mm
---------	----------------	---------------



SY86722	5.86" 149mm	0.86" 22mm
---------	----------------	---------------



SY541009	6.5" 165mm	1" 25mm
----------	---------------	------------



SY541117	6.125" 156mm	1.38" 35mm
----------	-----------------	---------------



SY541011	6.58" 167mm	1.125" 29mm
----------	----------------	----------------



SY42328	6.125" 156mm	1.38" 35mm
---------	-----------------	---------------



SY86727	7" 178mm	1.11" 28mm
---------	-------------	---------------

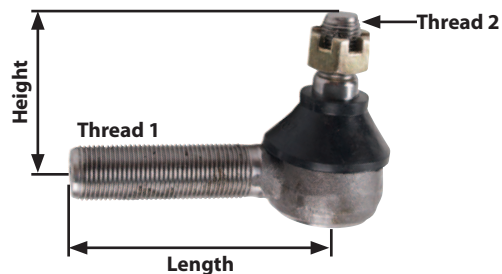


King Pin Kits Kits de Pasadores y Sellos King Joints et Kits de Réparation

	Length	Diameter	Length	Diameter
SY48139	7" 178mm	1.19" 20mm	SY48141	8.45" 215mm 1.19" 20mm
				
SY541312	7.28" 185mm	1.19" 20mm	SY541208	8.84" 225mm 1.25" 32mm
				
SY541313	7.28" 185mm	1.19" 20mm	SY541213	8.84" 225mm 1.25" 32mm
				
SY42322	7.47" 190mm	1.5" 38mm	SY541207	8.94" 211mm 1.25" 32mm
				
SY52937	7.625" 194mm	1.31" 24mm	SY46726	9.28" 236mm 1.19" 20mm
				
SY31946	7.8" 198mm	1.25" 32mm	SY48145	9.59" 244mm 1.19" 20mm
				
				

Rod Ends Rótulas de Dirección Embouts à Rotule

Ball Joint Outer Thread



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY86820	3.05" 77mm	2.28" 58mm	M22	M16	Yes



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY47511	3.60" 91mm	3.08" 78mm	11/16	9/16	Yes



SY42359	3.03" 77mm	2.05" 52mm	11/16	1/2	Yes
---------	---------------	---------------	-------	-----	-----



SY47512	3.27" 83mm	2.52" 64mm	11/16	9/16	Yes
---------	---------------	---------------	-------	------	-----



SY40611	3.15" 80mm	1.77" 45mm	11/16	1/2	Yes
---------	---------------	---------------	-------	-----	-----



SY86797	3.27" 83mm	2.56" 65mm	M16	M14	No
---------	---------------	---------------	-----	-----	----



SY86792	3.15" 80mm	2.40" 61mm	M16	M14	No
---------	---------------	---------------	-----	-----	----



SY86812	3.35" 85mm	2.87" 73mm	M22	M18	No
---------	---------------	---------------	-----	-----	----



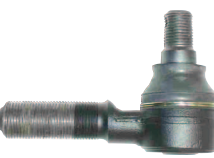
SY86838	3.15" 80mm	2.17" 55mm	M22	M18	No
---------	---------------	---------------	-----	-----	----



SY86813	3.35" 85mm	2.76" 70mm	M22	M18	No
---------	---------------	---------------	-----	-----	----



Rod Ends Rótulas de Dirección Embouts à Rotule

	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple		Length	Height	Thread Type 1	Thread Type 2	Grease Nipple		
SY86831	3.35" 85mm	3.03" 77mm	M24	M20	No		SY86807	3.54" 90mm	2.36" 60mm	M20	M14	Yes	
SY53197	3.46" 88mm	2.28" 58mm	M22	M16	No		SY86830	3.54" 90mm	2.95" 75mm	M24	M20	No	
SY82350	3.46" 88mm	2.28" 58mm	M22	M16	No		SY86795	3.74" 95mm	2.76" 70mm	M20	M18	No	
SY40381	3.46" 88mm	2.52" 64mm	3/4	9/16	Yes		SY40554	3.74" 95mm	2.95" 75mm	1.00	5/8	Yes	
SY47542	3.54" 90mm	2.38" 61mm	M20	M16	Yes		SY86810	3.74" 95mm	1.97" 50mm	M22	M16	Yes	
SY86809	3.54" 90mm	1.97" 50mm	M20	M14	Yes		SY86816	3.74" 95mm	2.36" 60mm	M22	M16	Yes	

Rod Ends Rótulas de Dirección Embouts à Rotule

	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY51843	3.74" 95mm	2.17" 55mm	M22	M20	Yes



SY53198	3.74" 95mm	2.36" 60mm	M22	M20	No
---------	---------------	---------------	-----	-----	----



SY45382	3.74" 95mm	2.76" 70mm	7/8	5/8	Yes
---------	---------------	---------------	-----	-----	-----



SY45383	3.74" 95mm	2.36" 60mm	7/8	5/8	Yes
---------	---------------	---------------	-----	-----	-----



SY31486	3.74" 95mm	2.36" 60mm	M20	M16	Yes
---------	---------------	---------------	-----	-----	-----



SY86808	3.78" 96mm	2.28" 58mm	M20	M16	No
---------	---------------	---------------	-----	-----	----



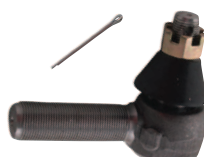
	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY86835	3.82" 97mm	2.17" 55mm	M30	M16	Yes



SY40556	3.86" 98mm	2.68" 68mm	7/8	5/8	Yes
---------	---------------	---------------	-----	-----	-----



SY40557	3.86" 98mm	2.68" 68mm	7/8	5/8	Yes
---------	---------------	---------------	-----	-----	-----



SY86836	3.94" 100mm	2.24" 57mm	M30	M16	No
---------	----------------	---------------	-----	-----	----



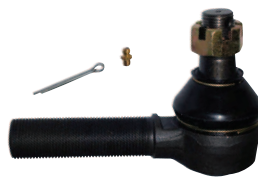
SY86837	3.94" 100mm	2.60" 66mm	M20	M16	Yes
---------	----------------	---------------	-----	-----	-----



SY86840	3.94" 100mm	2.56" 65mm	M20	M16	No
---------	----------------	---------------	-----	-----	----



Rod Ends Rótulas de Dirección Embouts à Rotule

	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple		Length	Height	Thread Type 1	Thread Type 2	Grease Nipple	
SY40386	3.98" 101mm	2.99" 76mm	1.00	5/8	Yes		SY40570	4.72" 120mm	3.54" 90mm	1 1/8	7/8	Yes
SY42330	3.98" 101mm	2.52" 64mm	M24	M20	No		SY40569	4.96" 126mm	3.58" 91mm	1 1/8	7/8	Yes
SY86790	3.98" 101mm	2.52" 64mm	M24	M20	Yes		SY48223	5.12" 130mm	2.56" 65mm	M25	M20	Yes
SY86811	4.13" 105mm	2.36" 60mm	M18	M12	Yes		SY86787	5.31" 135mm	3.15" 80mm	1 1/8	7/8	No
												

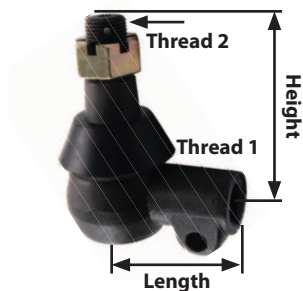
Please see beginning of section for technical data reference.

Por Favor, consulte la primera pagina de la sección para obtener los datos de referencia técnica.

Pour plus de données techniques référez vous au début de cette section.

Rod Ends Rótulas de Dirección Embouts à Rotule

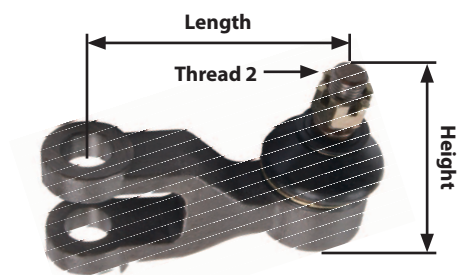
Ball Joint Inner Thread 1 Bolt



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY86767	2.56" 65mm	3.54" 90mm	7/8	7/8	Yes



Tie Rod with Fork End



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY82766	3.03" 77mm	2.76" 70mm		M12	No

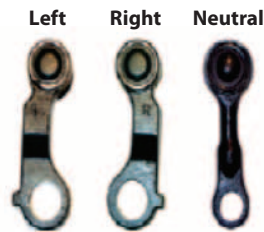
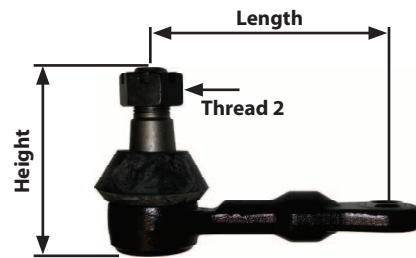


	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY82765	3.39" 86mm	2.36" 60mm		M16	No



Rod Ends Rótulas de Dirección Embouts à Rotule

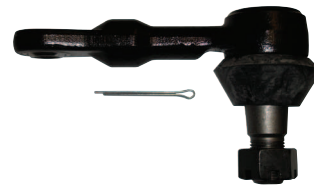
Tie Rod + Cylindric Hole



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY86841	3.94" 100mm	3.03" 77mm		M16	Yes



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY73315	5.39" 137	2.28" 58mm		7/8	Yes



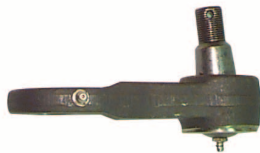
SY51827	4.02" 102mm	3.03" 77mm		M16	Yes
---------	----------------	---------------	--	-----	-----



SY31712	5.51" 140	3.74" 95mm		3/4	No
---------	--------------	---------------	--	-----	----



SY52648	4.53" 115mm	3.54" 90mm		M20	Yes
---------	----------------	---------------	--	-----	-----



SY31222	7.48" 190	4.72" 120mm		7/8	No
---------	--------------	----------------	--	-----	----



Rod Ends Rótulas de Dirección Embouts à Rotule

Tie Rod End with Negative Conical Hole



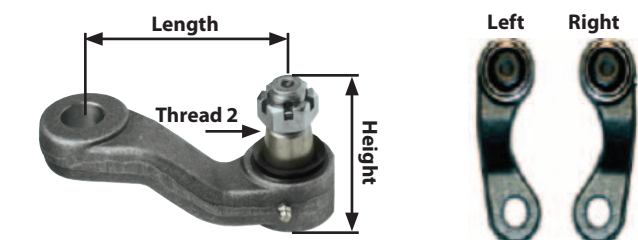
	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY51826 right	3.94" 100	2.95 75		M16	No



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY51831 left	3.94" 100	2.36 60		M16	No



Tie Rod End with Postive Conical Hole



	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY42329 right	4.41" 112	2.68 68		M20	Yes

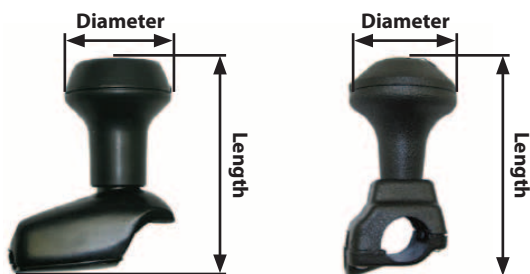


	Length	Height	Thread Type 1	Thread Type 2	Grease Nipple
SY42331 left	4.41" 112	2.68 68		M20	No



Steering Knobs Puños de Volante Boutons de Direction

Steering Knob with Support



	Length	Diameter	Used for
SY39554	2.15" 55mm	2.39" 61mm	Hyster



	Length	Diameter	Used for
SY38232	4.02" 102mm	1.83" 47mm	Hyster



SY76907	3.23" 82mm	2.02" 51mm	Toyota
---------	---------------	---------------	--------



SY340015	4.28" 109mm	2.06" 52mm	Toyota
----------	----------------	---------------	--------



SY52118	3.54" 90mm	1.85" 47mm	Yale
---------	---------------	---------------	------



SY52194	4.41" 112mm	2.17" 55mm	Yale
---------	----------------	---------------	------



SY340115	3.65" 93mm	2.05" 52mm	Toyota
----------	---------------	---------------	--------



SY31699	4.57" 116mm	1.99" 51mm	Hyster
---------	----------------	---------------	--------

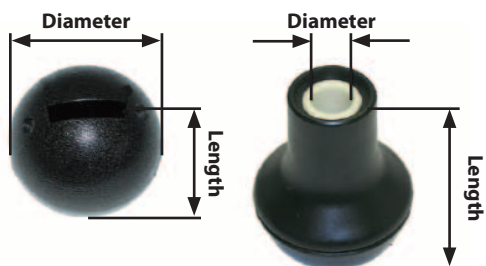


SY52130	3.82" 97mm	1.99" 51mm	Yale
---------	---------------	---------------	------

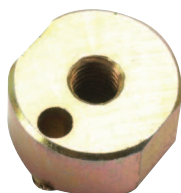


Steering Knobs Puños de Volante Boutons de Direction

Steering Knob with Hole or Internal Thread



	Length	Diameter	Used for
SY76912	0.51" 13mm	0.98" 25mm	Toyota



SY91728	0.77" 20mm	1.06" 27mm	Yale
---------	---------------	---------------	------



SY91727	1.25" 32mm	1.26" 32mm	Clark
---------	---------------	---------------	-------



SY45370	1.46" 37mm	1.86" 47mm	Hyster
---------	---------------	---------------	--------



SY36416	1.51" 38mm	1.25" 32mm	Hyster
---------	---------------	---------------	--------



	Length	Diameter	Used for
SY96893	1.87" 47mm	3.93" 100mm	Toyota



SY76938	2.09" 53mm	1.56" 40mm	Toyota
---------	---------------	---------------	--------



SY91070	2.36" 60mm	2.09" 53mm	Raymond
---------	---------------	---------------	---------



SY91718	2.44" 62mm	1.63" 41mm	Daewoo
---------	---------------	---------------	--------



SY91725	2.48" 63mm	2.20" 56mm	Clark
---------	---------------	---------------	-------



Steering Knobs Puños de Volante Boutons de Direction

	Length	Diameter	Used for
SY87710	2.73" 69mm	1.03" 26mm	Komatsu
			
SY91722	3.06" 78mm	2.00" 51mm	TCM
			
SY96893	3.15" 80mm	2.01" 51mm	Toyota
			
SY76909	4.09" 104	1.93" 49mm	Toyota
			

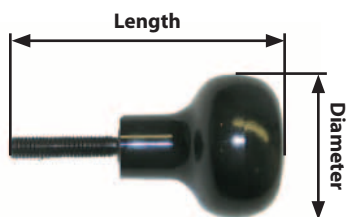
Please see beginning of section for technical data reference.

Por Favor, consulte la primera pagina de la sección para obtener los datos de referencia técnica.

Pour plus de données techniques référez vous au début de cette section.

Steering Knobs Puños de Volante Boutons de Direction

Steering Knob with Hole or Internal Thread



	Length	Diameter	Used for
SY91722	1.23" 31mm	1.13" 29mm	Komatsu



	Length	Diameter	Used for
SY91720	2.99" 76mm	1.97" 50mm	Crown



SY91720	1.48" 38mm	1.13" 29mm	Komatsu
---------	---------------	---------------	---------



SY86973	3.31" 84mm	2.01" 51mm	Toyota
---------	---------------	---------------	--------



SY91724	1.61" 41mm	2.17" 55mm	Hyster
---------	---------------	---------------	--------



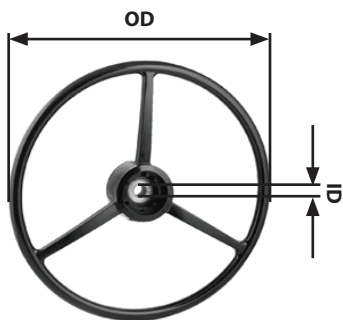
SY86972	3.74" 95mm	2.01" 51mm	Nissan
---------	---------------	---------------	--------



SY31513	2.91" 74mm	2.05" 52mm	Yale
---------	---------------	---------------	------



Steering Wheels Volantes Volants



	OD	ID	Used for
SY44839	13.5" 343mm	1.97" 50mm	Hyster Yale Clark
			
SY44176	13.5" 343mm	2.57" 65mm	Caterpillar Toyota Yale
			
SY44832	14" 356mm	1.97" 50mm	Hyster Yale
			
SY35420	14" 356mm	1.97" 50mm	Yale Hyster
			

	OD	ID	Used for
SY23156	15" 381mm	1.99" 50mm	Hyster
			
SY45702	17" 432mm	3.07" 78mm	Hyster Clark Caterpillar Allis Chalmers
			
SY91845	17" 432mm	3.07" 78mm	Hyster Toyota Clark
			

