

SPARE PARTS PRESELECTOR GEARBOX RILEY 12/4 (ARMSTRONG SIDDELEY)*

* Some parts are interchangeable with P/S Boxes built by Armstrong Siddeley for their cars (Please ask)

** All 2nd hand parts rebuilt to highest standard, ready to use

Plate A Casing & Covers									
Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt **	Price in € per Unit, net	VAT 19,00%	Price
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt **	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
A2	Gearbox Casing (early) · (without speedo take up, ohne Tachoanschluss)	1	3			x	294,12	55,88	350,00
A3 - EN.55174	Gearbox Casing (late) · (with speedo take up, mit Tachoanschluss)	1	0				0,00	0,00	0,00
A4	Studs Gearbox Casing (Bottom) BSF 5/16" x 1 1/2" (Threads recut)	19	31			x	3,19	0,61	3,80
A7	Studs Gearbox Casing (Rear) BSF 5/16" x 1 1/4" (Threads recut)	8	22			x	3,03	0,57	3,60
A10	Studs Gearbox Casing (Front) BSF 5/16" x 2" (Threads recut)	7	7			x	3,53	0,67	4,20
A10a	Studs Gearbox Casing (Front) BSF 5/16" x 2 1/4" (Threads recut)	2	4			x	3,70	0,70	4,40
A11	Nut Front Cover/Bell Housing BSF 5/16" (zink plated/verzinkt)	9	180			x	0,42	0,08	0,50
A12	Shakeproof Washer 8 mm	9	180		x		0,08	0,02	0,10
A14 - EN.31856	Stop for Ball	1	0				0,00	0,00	0,00
A15 - EN.35835	Washer for Bus Bar Lever Shaft Hole	1	0				0,00	0,00	0,00
A16 - EN.35719	Guide Direct Gear (late)	1	2			x	21,01	3,99	25,00
A17 - EN.35842	Distance Piece for Guide Direct Gear	2	4				8,40	1,60	10,00
A18 - EN.50342	Screw for Guide	2	4			x	2,94	0,56	3,50
A19 - EN.35712	Adapter for Adjuster Screw Top Gear	2	4			x	35,29	6,71	42,00
A20 - EN.36035	Screw for Bracket BSF 5/16" x 1 1/2"	1	1			x	3,36	0,64	4,00
A21 - EN.36035	Screw for Bracket BSF 5/16" x 1 3/4"	1	1			x	3,53	0,67	4,20
A22	Slotted Nut BSF 5/16" for Adjuster Bracket	1	10		x	x	2,61	0,49	3,10
A23	Split Pin 2 mm	1	100		x		0,08	0,02	0,10
A24 - EN.30819	Setscrew for Adjuster Bracket Top Gear	1	2			x	17,65	3,35	21,00
A25	Nut (Special) for A24, BSF 5/16"	1	5			x	0,59	0,11	0,70
A26 - EN.45352	Guide Reverse Gear (late)	1	1			x	21,01	3,99	25,00
A27 - EN.35840	Screw for Guide, BSF 5/16" x 1"	2	4			x	2,94	0,56	3,50
A28	Plain Washer 8 x 16 mm	2	200		x		0,08	0,02	0,10
A29	Slotted Nut for Rear End Plate Screw BSF 5/16"	2	10		x		2,61	0,49	3,10
A30	Split Pin 2 mm	1	100		x		0,08	0,02	0,10
A31 - EN.34999	Automatic Adjuster Stop Forward	4	6			x	18,49	3,51	22,00
A32 - EN.35847	Automatic Adjuster Stop Reverse	1	3			x	18,49	3,51	22,00
A33 - EN.35341	Bush for Bus Bar Operating Shaft (O.S.)	1	0				0,00	0,00	0,00

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Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
A34 - EN.35342	Bush for Bus Bar Operating Shaft (N.S.)	1	0				0,00	0,00	0,00
A35 - EN.36513	Oil Filler Plug	1	2			x	21,01	3,99	25,00
A36	Oil Filler Plug Gasket	1	2		x		1,68	0,32	2,00
A37	Overflow Plug	1	2			x	16,81	3,19	20,00
A37a	Copper Washer Overflow Plug	1	5		x		0,25	0,05	0,30
A38 - EN.35753	Top Cover · incl. ID-Plates	1	3			x	71,43	13,57	85,00
A39 - EN.39379	Gasket Top Cover · Paper/Papier	1	10		x		9,24	1,76	11,00
A40	Slotted Countersunk Screw BSF 1/4" x 3/8" (Top Cover) (not available/nicht lieferbar), use/verwende 1/4" x 3/4", shorten/kürzen)	9	12		x		1,01	0,19	1,20
A40a	Slotted Countersunk Screw BSF 1/4" x 1/2" (Top Cover) (not available/nicht lieferbar), use/verwende 1/4" x 3/4", shorten/kürzen)	1	12		x		1,01	0,19	1,20
A43 - EN.35663	Locking Piece Forward	3	9			x	22,69	4,31	27,00
A44 - EN.35662	Locking Piece Reverse	1	3			x	22,69	4,31	27,00
A46 - EN.55881	Locking Piece Plate	1	3			x	63,03	11,97	75,00
A50 - EN.36489	Locking Piece Bolt	2	5			x	3,45	0,65	4,10
A51	Plain Washer 1/4"	2	50		x		0,13	0,02	0,15
A52	Slotted Nut BSF 1/4"	2	20		x		1,26	0,24	1,50
A53	Split Pin 1,5 mm	2	100		x		0,08	0,02	0,10
A54 - EN.36490	Locking Piece Distance Piece	2	6			x	2,10	0,40	2,50
A55 - EN.55232	Side Cover/Camshaft Mechanism: available only exchange/hur AT incl./enth. A58, 59,60, 61, 62 to/bis 68, 74 to/bis 79 u. 81	1	1			x	294,12	55,88	350,00
A55a	Gasket Side Cover · Paper/Papier	1			x		9,24	1,76	11,00
A56	Hexagon Setscrew for Sidecover, BSF 1/4" x 5/8" (not available/nicht lieferbar), use/verwende 1/4" x 3/4", shorten/kürzen)	10	10		x		0,63	0,12	0,75
A57	Shakeproof Washer 6 mm	10	50		x		0,07	0,01	0,08
A58 - EN.35827	Camshaft Bearing	1	1			x	15,13	2,87	18,00
A59 - EN.35690	Camshaft Bearing Bracket	1	1			x	29,41	5,59	35,00
A60	Hexagon Setscrew for A59, BSF 3/16" x 5/8"	2	8			x	0,67	0,13	0,80
A61	Screw Locking Tab for A60	2	20		x		0,21	0,04	0,25
A62 - EN.36690	Camshaft Quadrant	1	1			x	54,62	10,38	65,00
A63	Slotted Nut for Camshaft Quadrant, BSF 1/4"	1	20				1,26	0,24	1,50

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Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
A64	Split Pin for A63, 1mm	1	100		x		0,08	0,02	0,10
A65 - EN.55234	Camshaft Operating Lever Shaft	1	1			x	54,62	10,38	65,00
A66 - CP.59.2	Woodruf Key for A65 1/2" x 3/32"	2	10		x		0,40	0,08	0,48
A67 - EN.55233	Bush for A65	1	3		x		15,13	2,87	18,00
A68	Oil Seal (modern, seat has to be reamed/Sitz muss aufgerieben werden)	1	4		x		7,56	1,44	9,00
A69	Hexagon Bolt for Camshaft Operating Lever BSF 3/16" x 7/8"	1	4				0,55	0,10	0,65
A70	Shakeproof Washer 5 mm	1	30		x		0,07	0,01	0,08
A71 - EN.48736	Camshaft Operating Lever	1	3		x		126,05	23,95	150,00
A74 - EN.36692	Camshaft	1	1			x	114,29	21,71	136,00
A75 - EN.35675	Strut Guide Direct Gear	1	3			x	21,01	3,99	25,00
A76 - EN.35674	Strut Guide 1st and 3rd Gear	2	2			x	21,01	3,99	25,00
A77 - EN.35675	Strut Guide 2nd Gear	1	4			x	21,01	3,99	25,00
A78 - EN.35672	Strut Guide Reverse Gear	1	2			x	21,01	3,99	25,00
A79 - EN.35814	Rod for Strut Guide	1	0				0,00	0,00	0,00
A81 - EN.41172	Strut Spring	5	5			x	18,49	3,51	22,00
A85 - EN.45654	Speedo Drive Housing (late/spät)	1	0				0,00	0,00	0,00
A86 - EN.45653	Speedo Wheel	1	0				0,00	0,00	0,00
A87	Speedo Drive Oil Seal	1	6		x		6,72	1,28	8,00
A88 - EN.43853	Speedo Cable Connection	1	0				0,00	0,00	0,00
A89	Slotted Cheesehead Screw 2BA x 5/8"	4	8		x		0,71	0,14	0,85
A90	Slotted Cheesehead Screw 2BA x 1/2"	2	8		x		0,71	0,14	0,85
A91	Shakeproof Washer 5 mm	6	30		x		0,07	0,01	0,08
A92	Speedo Drive Housing, early/früh	1	0				0,00	0,00	0,00
A93	Speedo Wheel, early/früh	1	0				0,00	0,00	0,00
A96	Guide Direct Gear, early/früh	1	2			x	21,01	3,99	25,00
A97	Guide Reverse Gear, early/früh	1	2			x	26,89	5,11	32,00

Plate B Bell Housing & Direct (4th) Gear									
Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
B1 - EN.55175	Bell Housing (late)	1	0				0,00	0,00	0,00
B2 - EN.44153	Inspection Plate (late)	1	1		x		21,01	3,99	25,00
B3	Slotted Cheesehead Screws BSF 1/4" x 1/2"	2	8		x		1,20	0,23	1,43
B4	Shakeproof Washer 6 mm	2	50		x		0,07	0,01	0,08
B5 - EN.40390	Outer Member Top Gear	1	1			x	201,68	38,32	240,00
B6 - EN.35904	Thrust Ring (Top Gear)	1	4		x		29,41	5,59	35,00
B7 - EN.35802	Actuating Ring (Top Gear)	1	1			x	159,66	30,34	190,00
B8 - CP.25-4	Balls for Actuating Ring 3/8"	5	50		x		1,51	0,29	1,80
B9	Top Gear Thrust Bearing	1	4		x		55,46	10,54	66,00
B10 - EN.35953	Operating Strut Top Gear	1	1			x	22,69	4,31	27,00
B11 - EN.35805	Compressor Plate Return Spring	1	1			x	37,82	7,18	45,00
B12 - EN.35806	Return Spring Top Gear	1	3			x	57,14	10,86	68,00
B13 - EN.36579	Lower Spring Disc	1	5		x		35,29	6,71	42,00
B14 - EN.36580	Upper Spring Disc	1	5		x		35,29	6,71	42,00
B15	Split Pin for B10, 1mm	1	100		x		0,08	0,02	0,10
B16 - EN.36578	Clutch Thrust Washer	1	8		x		26,89	5,11	32,00
B17 - EN.55132	Input Shaft	1	0				0,00	0,00	0,00
B18 - EN.35332	Eccentric for Oil Pump, incl./enthält B20 Bearing Sleeve	1	0				0,00	0,00	0,00
B19 - EN.46660	Round ended Feather Key for Eccentric	1	0				0,00	0,00	0,00
B20 - EN.47373	Bearing Sleeve (Eccentric)	1	s. B18				0,00	0,00	0,00
B21 - EN.31854	Pump Cylinder	1	0				0,00	0,00	0,00
B22 - EN.31853	Plunger for Pump	1	0			x	0,00	0,00	0,00
B23 - EN.47375	Oil Pump Housing Front Cover (early)	1	3			x	126,05	23,95	150,00
B23	Oil Pump Housing Front Cover (late)	1	3		x		176,47	33,53	210,00
B24	Stud for B23 (Bottom) BSF 5/16" x 1"	1	0			x	2,27	0,43	2,70
B25	Nut for B24, BSF 5/16"	1	180		x		0,38	0,07	0,45
B26	Shakeproof Washer 8 mm	1	180		x		0,07	0,01	0,08
B27	Stud for B23 (Top) BSF 1/4" x 1"	5	6			x	2,10	0,40	2,50
B27a	Nut for B23, BSF 1/4"	5	100		x	x	0,24	0,05	0,29
B27b	Shakeproof Washer 6 mm	5	50		x		0,07	0,01	0,08

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Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
B28 - EN.37785	Distance Ring for Input Shaft (2.0 mm)	1	5		x		13,45	2,55	16,00
B28a	Distance Ring for Input Shaft (3.02 mm)		5		x		13,45	2,55	16,00
B28b	Distance Ring for Input Shaft (4.05 mm)		5		x		13,45	2,55	16,00
B30	Bearing Input Shaft	1	5		x		37,82	7,18	45,00
B31	Securing Ring	1	1			x	21,01	3,99	25,00
B32	Front Oil Seal	1	5		x		29,41	5,59	35,00
B33 - EN.47374	Tabwasher and Oil Thrower	1	5		x		31,93	6,07	38,00
B34 - EN.37409	Ring Nut for Input Shaft	1	3		x		26,89	5,11	32,00
B35 - EN.36571	Inner Clutch Cone	1	1			x	235,29	44,71	280,00
B36 - EN.36576	Driving Member (Top Gear)	1	3			x	210,08	39,92	250,00
B37 - EN.36577	Bush for Driving Member	1	3		x		40,34	7,66	48,00
B38 - EN.35804	Anchor Plate (Top Gear)	1	3		x		26,89	5,11	32,00
B39 - EN.35903	Bolts for Anchor Plate (2BA)	3	9		x		15,13	2,87	18,00
B40	Nuts for B39, 2BA	3	30		x		0,50	0,10	0,60
B41	Bell Housing (early/früh)	1	0				0,00	0,00	0,00
B42	Inspection Cover (early/früh)	1	0				0,00	0,00	0,00
B43	Hexagon Screw BSF 1/4" x 1"	1	10		x		0,59	0,11	0,70
B44	Shakeproof Washer 6 mm	1	180		x		0,07	0,01	0,08
B45	Bell Housing for/für Riley 9/Armstrong Siddeley Gearbox, please ask/auf Anfrage	1	0				0,00	0,00	0,00
B46	Inspection Cover for/für B45, please ask/auf Anfrage	1	0				0,00	0,00	0,00

Plate C Drive									
Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
C1 - EN.47384	Outer Clutch Cone Assembly (w. 3rd Gear Brake Drum/Sun Wheel)	1	1			x	243,70	46,30	290,00
C2 - EN.35327	Bush for 3rd Gear Sun Wheel	2	17		x		26,05	4,95	31,00
C3 - EN.37942	Brake Drum (2nd Gear) and Planet Carrier 3rd Gear (High Ratio, 78 Teeth/Zähne))	1	1		x		310,92	59,08	370,00
C4 - EN.35319	Bush for 2nd Gear Brake Drum	1	1		x		23,53	4,47	28,00
C5 - EN.35320	Planet Support 3rd Gear	1	1			x	82,77	15,73	98,50
C6 - EN.35321	Bush for Planet Support 3rd Gear	1	7		x		26,89	5,11	32,00
C7 - EN.47766	Planet Wheel 3rd Gear (High Ratio, 17 Teeth/Zähne) , please ask/auf Anfrage	3	0			x	0,00	0,00	0,00
C8 - EN.35308	Bearing for 1st, 2nd, 3rd Planets, please ask/auf Anfrage	9	0			x	0,00	0,00	0,00
C9 - EN.35309	Floating Bush for 1st, 2nd, 3rd Planets	9	0			x	0,00	0,00	0,00
C10 - EN.35311	Distance Piece for 1st, 2nd, 3rd Planets	9	30		x		7,56	1,44	9,00
C11 - EN.35312	Rivets for Planets and Distance Pieces 1st, 2nd, 3rd Gear	18	60		x		2,52	0,48	3,00
C12 - EN.37945	Annulus 3rd Gear (High Ratio, 53 Teeth/Zähne)	1	3			x	205,46	39,04	244,50
C13 - EN.35314	Bush for Annulus 3rd Gear	1	5		x		28,57	5,43	34,00
C14 - EN.37944	Planet Carrier 2nd Gear, (High Ratio)	1	2			x	86,55	16,45	103,00
C15 - EN.35314	Bush for Planet Carrier	1	5		x		28,57	5,43	34,00
C16 - EN.47767	1st and 2nd Speed Sun Wheel (High Ratio, 30 Teeth/Zähne)	1	3			x	67,23	12,77	80,00
C16a	1st and 2nd Speed Sun Wheel (High Ratio, 30 Teeth/Zähne)	1	1		x		237,82	45,18	283,00
C17 - EN.47768	Planet Wheel 1st and 2nd Gear (High Ratio, 24 Teeth/Zähne), please ask/auf Anfrage	6	0				0,00	0,00	0,00
C18 - EN.37947	Planet Carrier 1st Gear	1	3			x	145,38	27,62	173,00
C19 - EN.37948	Planet Support 1st Gear	1	3			x	82,77	15,73	98,50
C20 - EN.47485	1st Brake Drum (High Ratio, 78 Teeth/Zähne) Reverse Sun Assbly (29 Teeth/Zähne)	1	1		x		310,92	59,08	370,00
C21 - EN.36613	Bush for Reverse Sun Wheel	1	4		x		36,13	6,87	43,00
C22 - EN.22511	Bush for Output Shaft (Front)	1	2		x		15,13	2,87	18,00
C23 - EN.18740	Bush for Output Shaft (Rear)	1	2		x		15,13	2,87	18,00
C24 - EN.22410	Washer for Output Shaft Bush	1	4		x		13,45	2,55	16,00
C25 - EN.35859	Washer for Reverse Sun Wheel	1	3		x		13,45	2,55	16,00
C26 - EN.35299	Planet Carrier (Reverse)	1	1			x	153,78	29,22	183,00
C27 - EN.35300	Bearing for Reverse Planet Wheel	3	3		x		15,13	2,87	18,00
C28 - EN.35301	Floating Bush for Reverse Planet	3	3		x		15,13	2,87	18,00

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Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
C29 - EN.47770	Planet Wheel Reverse	3	3	x			73,95	14,05	88,00
C31 - EN.35303	Distance Piece for Reverse Planets	3	3		x	x	7,56	1,44	9,00
C32 - EN.35304	Rivets for Planets and Distance Pieces Reverse Gear	6	20		x		2,52	0,48	3,00
C33 - EN.35305	Planet Support (Reverse)	1	1			x	82,77	15,73	98,50
C34 - EN.25297	Brake Drum Reverse/Annulus Reverse (61 Teeth/Zähne)	1	1			x	212,61	40,39	253,00
C35 - EN.35298	Bush for Reverse Drum	1	4		x		36,13	6,87	43,00
C36	Main Bearing	1	5		x		55,46	10,54	66,00
C37	Output Shaft (late)	1	1			x	212,61	40,39	253,00
C37a	Output Shaft (early)	1	3			x	212,61	40,39	253,00
C38 - EN.42326	Speedometer Driving Gear (late)	1	0				0,00	0,00	0,00
C39 - EN.42329	Distance Piece	1	2		x		19,33	3,67	23,00
C40 - CP.59/5	Woodruf Key for Output Shaft 5/8" x 1/8"	1	0				0,00	0,00	0,00
C41 - CP.49/5	Dowel for Output Shaft	1	0				0,00	0,00	0,00
C42	Rear Bearing	1	5		x		74,79	14,21	89,00
C43 - EN.40682	Washer Rear Bearing	1	3				11,01	2,09	13,10
C44 - EN.54808	Slotted Nut for Output Shaft 9/16"	1	2			x	10,08	1,92	12,00
C45 - EN.40683	Washer for Output Shaft	1	0				3,78	0,72	4,50
C46	Split Pin for Output Shaft, 3 mm	1	20		x		0,17	0,03	0,20
C47	Bush for Output Shaft	1	5		x		29,41	5,59	35,00
C48	Friction Lining Outer Clutch Cone (please ask/auf Anfrage)	1	0		x		0,00	0,00	0,00
C49	Rivets, Aluminium Flat Head, 1/8" x 5/8"	8	200		x		0,17	0,03	0,20
C50	Guide Pins for Bearings C8 and C27	12	0				0,00	0,00	0,00

Relining of inner Clutch Cone:

Send inner Cone B35 and outer Cone C1, cleaned.
Deriveting of old lining will be done at my workshop.

Inneren Konus B35 und äußeren Kons C1 gereinigt einsenden.
Abnieten des alten Belags erfolgt in meiner Werkstatt.

a.A./Please ask

NRC-High	<p>Umbausatz auf nadelgelagerte Planetenräder 1.-3. Gang</p> <p>High Ratio: 1.Gang - 3.60 / 2.Gang - 2.09 / 3.Gang - 1.42 / 4.Gang - 1:1 - Reverse - 4,47</p> <p>Beinhaltet: 3 Planetenräder 3.Gang 6 Planetenräder 1. & 2.Gang 9 Lager 9 Nieten</p> <p>Achtung: die Bohrungen in den Planetenträgern/-haltern müssen für die stärkeren Nieten auf Maß aufgerieben werden! auf Anfrage/Please ask</p>	<p>Needle Roller Conversion Planets 1st - 3rd Gear</p> <p>High Ratio: 1st - 3.60 / 2nd - 2.09 / 3rd - 1.42 / Top - 1:1 - Reverse - 4,47</p> <p>Including: 3 planet wheels 3rd 6 planet wheels 1st & 2nd 9 bearings 9 rivets</p> <p>Attention: Bores in planet carriers/supports must be reamed to fit the bigger rivets! auf Anfrage/Please ask</p>
NRC-Low	<p>Umbausatz auf nadelgelagerte Planetenräder 1.-3. Gang</p> <p>Low Ratio: 1.Gang - 4.12 / 2.Gang - 2.34 / 3.Gang - 1.52 / 4.Gang - 1:1 - Reverse - 5.56</p> <p>Beinhaltet: 3 Planetenräder 3.Gang 6 Planetenräder 1. & 2.Gang 9 Lager 9 Nieten</p> <p>Achtung: die Bohrungen in den Planetenträgern/-haltern müssen für die stärkeren Nieten auf Maß aufgerieben werden! auf Anfrage/Please ask</p>	<p>Needle Roller Conversion Planets 1st - 3rd Gear</p> <p>Low Ratio: 1st - 4.12 / 2nd - 2.34 / 3rd - 1.52 / Top - 1:1 - Reverse - 5.56</p> <p>Including: 3 planet wheels 3rd 6 planet wheels 1st & 2nd 9 bearings 9 rivets</p> <p>Attention: Bores in planet carriers/supports must be reamed to fit the bigger rivets! auf Anfrage/Please ask</p>
NRC-Close Ratio	<p>Umbausatz auf nadelgelagerte Planetenräder 1.-3. Gang</p> <p>Close Ratio: 1.Gang - 3.16 / 2.Gang - 1.88 / 3.Gang - 1.33 / 4.Gang - 1:1</p> <p>Beinhaltet: 3 Planetenräder 17 Zähne (3. Gang), 6 Planetenräder 24 Zähne (1. & 2.Gang) 9 Nadellager, 9 Nieten, 1 Sonnenrad 1. & 2.Gang Annulus 3. Gang, Planetenhalter/-träger 1. Gang Bronzebuchse für Planetenträger 3. Gang auf Anfrage/Please ask</p>	<p>Needle Roller Conversion Planets 1st - 3rd Gear</p> <p>Close Ratio: 1st - 3.16 / 2nd - 1.88 / 3rd - 1.33 / Top - 1:1</p> <p>Including: 3 planet wheels 17 teeth (3rd), 6 planet wheels 24 teeth (1st & 2nd) 9 bearings, 9 rivets, 1 sun wheel 1st/2nd annulus 3rd, planet carrier/support 1st bush for carrier 3rd Price: Ne auf Anfrage/Please ask</p>
	<p>Überholung einzelner/kompletter Gangeinheiten Einzelne/komplette Gangeinheiten im Tausch Umrüstung auf nadelgelagerte Planeten auf Anfrage/Please ask</p>	<p>Overhaul of single/complete drive units Single/complete drive units, exchange Needle roller conversions auf Anfrage/Please ask</p>

Plate D Base Plate & Mechanism									
Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
D1 - EN.42666	Base Plate (late)	1	3			x	155,46	29,54	185,00
D2	Studs for Oilwell Cover BSF 5/16" x 1 1/4"	4	22			x	2,35	0,45	2,80
D3 - EN.35354	Oil Filter	1	1			x	37,82	7,18	45,00
D4 - EN.24611	Oil Filter Spring	1	1			x	13,36	2,54	15,90
D5 - EN.35347	Oil Sump Cover	1	3			x	21,01	3,99	25,00
D6 - EN.42678	Gasket Oil Sump Cover	1	1		x		6,72	1,28	8,00
D7	Nuts for Oil Well Cover BSF 5/16"	4	180		x	x	0,36	0,07	0,43
D8	Spring Washer for Oil Well Cover 8 mm	4	100		x		0,08	0,02	0,10
D9 - EN.31855	Ball Seating	1	0				0,00	0,00	0,00
D10 - CP.25-3	Ball for Pump Valve 5/16"	1	50		x		1,01	0,19	1,20
D11 - EN.35747	Bus Bar Fulcrum	1	4			x	63,03	11,97	75,00
D12	Hexagon Bolt for Fulcrum, BSF 5/16" x 1 1/4" (not available/nicht lieferbar), use/verwende 5/16" x 1 1/2", shorten/kürzen)	5	15		x		1,25	0,24	1,49
D13	Nuts for Fulcrum BSF 5/16"	5	180		x	x	0,36	0,07	0,43
D14	Spring Washer for Fulcrum 8 mm	5	100		x		0,08	0,02	0,10
D15	Plain Washer for Fulcrum 5/16"	5	50		x		0,17	0,03	0,20
D16 - EN.35669	Centralizer (Reverse)	1	2			x	35,29	6,71	42,00
D17 - EN.35668	Centralizer (Forward, O.S.)	3	6			x	35,29	6,71	42,00
D18 - EN.35667	Centralizer (Forward, N.S.)	3	3			x	35,29	6,71	42,00
D19 - EN.25509	Rod for Centralizer	2	2			x	12,61	2,39	15,00
D20 - EN.35550	Internal Band Link (Reverse)	1	3			x	31,93	6,07	38,00
D21 - EN.35518	Internal Band Link (Forward)	3	9			x	24,37	4,63	29,00
D22 - EN.35850	Rod for Internal Band Link	1	2			x	12,61	2,39	15,00
D24 - EN.36034	Pin for Internal Band Link	4	3			x	4,37	0,83	5,20
D25	Split Pin 2 mm	8	100		x		0,08	0,02	0,10
D26 - EN.35519	Hook (R.H., 1st, 2nd, 3rd)	3	6			x	24,37	4,63	29,00
D27 - EN.35520	Hook (L.H., 1st, 2nd, 3rd)	3	6			x	24,37	4,63	29,00
D28 - EN.45341	Hook (L.H., Reverse)	1	3			x	24,37	4,63	29,00
D29 - EN.45342	Hook (R.H., Reverse)	1	3			x	24,37	4,63	29,00
D30 - EN.35715	Hook (L.H., Top Gear)	1	3			x	24,37	4,63	29,00
D31 - EN.35715	Hook (R.H., Top Gear)	1	3			x	24,37	4,63	29,00

Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
D32 - EN.35848	Rod For Hooks	1	1			x	12,61	2,39	15,00
D34 - EN.40265	Bus Bar	1	1			x	82,35	15,65	98,00
D35 - EN.35852	Retaining Plate for Bus Bar	1	1			x	6,22	1,18	7,40
D36 - EN.36028	Screw Locking Tab	1	20		x		0,20	0,04	0,24
D37	Hexagon Set Screw BSF 1/4" x 1/2"	1	10		x		0,48	0,09	0,57
D38	Brake Band Unit Forward Gears 1st - 3rd:								
D39 - EN.35515	External Band	3	3			x	105,04	19,96	125,00
D40 - EN.35551	External Band Lining (please ask/auf Anfrage)	3			x		0,00	0,00	0,00
D41 - EN.22241	Rivets, Aluminium Flathead 1/8" x 5/8"	33	200		x		0,17	0,03	0,20
D42 - EN.35521	Internal Band	1				x	78,15	14,85	93,00
D43 - EN.35553	Internal Band Lining (please ask/auf Anfrage)	3			x		0,00	0,00	0,00
D44 - EN.18595	Rivets, Aluminium Flathead 1/8" x 5/8"	27	200		x		0,17	0,03	0,20
D45 - EN.35523	Spring Guide	3	3			x	26,89	5,11	32,00
D45a	Rivets, Steel, Round Head/Rundkopf 4 x 30 mm	6	30		x		0,76	0,14	0,90
D46 - EN.18562	Guide Spring for Brake Band	7	20			x	7,98	1,52	9,50
D47 - EN.30222	Setscrew for Automatic Adjuster	4	6			x	12,61	2,39	15,00
D49 - EN.35517	Pull Rod (Forward)	3	3			x	35,29	6,71	42,00
D50 - EN.35837	Pin For Pull Rod	3	3		x		2,94	0,56	3,50
OS123 - late	Operating Strut 1st, 2nd, 3rd - incl. D52, D53, D54, D56	3	1				82,35	15,65	98,00
OS4 - late	Operating Strut Top Gear, incl. D51, D53, D54, D56	1	0				0,00	0,00	0,00
OSREV - late	Operating Strut Reverse, incl. D54, D74, D75, D76, D77	1	1				82,35	15,65	98,00
D55 - EN.32436	Operating Strut Spring (late)	5	3		x		10,50	2,00	12,50
D57 - EN.35664	Adjuster Table (Forward) incl. D58, Spring Anchor Pin	4	4			x	21,01	3,99	25,00
D59 - EN.35671	Adjuster Ring incl. D60, Spring Anchor Pin	5	5			x	21,01	3,99	25,00
D61 - EN.35666	Adjuster Nut	5	5			x	21,01	3,99	25,00
D62 - EN.35729	Adjuster Spring	5	20			x	23,53	4,47	28,00
D63 - EN.41175	Pull Rod, Top Gear	1	1			x	28,15	5,35	33,50
D64 - EN.35839	Screw for Top Gear Hooks	1	3			x	2,94	0,56	3,50
D65 - EN.36032	Distance Piece	1	3			x	2,02	0,38	2,40
D65a	Slotted Nut BSF 1/4"	1	20		x		0,96	0,18	1,14
D65b	Split Pin, 1mm	1	100		x		0,08	0,02	0,10

Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price	
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis	
D66	Brake Band Unit Reverse:									
D67 - EN.35514	External Band (Reverse only)	1	1			x	111,76	21,24	133,00	
D68 - EN.35552	External Band Lining (please ask, auf Anfrage)	1	0		x		0,00	0,00	0,00	
D69 - EN.22241	Rivets, Aluminium Flathead 1/8" x 5/8"	11	200		x		0,17	0,03	0,20	
D70 - EN.35549	Internal Band (Reverse only)	1	1			x	82,35	15,65	98,00	
D71 - EN.35554	Internal Band Lining (Reverse only) (please ask, auf Anfrage)	1	0		x		0,00	0,00	0,00	
D71a	Rivets, Aluminium Flathead 1/8" x 5/8"	10	200		x		0,17	0,03	0,20	
D72 - EN.35545	Pull Rod (Reverse)	1	1			x	37,82	7,18	45,00	
D73 - EN.35838	Pin For Pull Rod	1	1			x	2,94	0,56	3,50	
D78 - EN.35665	Adjuster Table (Reverse)	1	1			x	21,01	3,99	25,00	
D79 - EN.42677	Drain Plug	1	1			x	17,65	3,35	21,00	
D80	Gasket Drain Plug	1	1		x		0,46	0,09	0,55	
OS123 - early	Operating Strut 1st/2nd/3rd incl. D81, D85, D87, D88, D89, D90	3	9			x	100,84	19,16	120,00	
OS4 - early	Operating Strut Top Gear, incl. D81, D84, D8, D88, D89, D90	1	2			x	100,84	19,16	120,00	
OSREV - early	Operating Strut Reverse, incl. D83, D86, D87, D88, D89, D90	1	1			x	100,84	19,16	120,00	
D92	Fulcrums for Rods	7	0				0,00	0,00	0,00	
D93	Plain Washer for Fulcrum 5/16"	7	50		x		0,17	0,03	0,20	
D94	Spring Washer for Fulcrums 8 mm	7	100		x		0,08	0,02	0,10	
D95	Nut BSF 5/16"	7	180		x	x	0,36	0,07	0,43	
Relining of Brake Bands:										
BBR	Send inner Cone B35 and outer Cone C1, cleaned. Deriveting of old lining will be done at my workshop.	Price complete set				a.A./Please ask				
BBR	Inneren Konus B35 und äußeren Kons C1 gereinigt einsenden. Abnieten des alten Belags erfolgt in meiner Werkstatt.	Preis kompletter Satz				a.A./Please ask				

Plate E Bus Bar Mechanism										
Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price	
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis	
E1 - EN.42462	Spring Cap, incl. E3 Ball Pin	1	3			x	37,82	7,18	45,00	
E2	Bolt for Spring Cap BSF 3/8" x 2"	3	6		x		1,83	0,35	2,18	
E2a	Plain Washer for Bolt Spring Cap, 10 x 20 mm	3	40		x		0,21	0,04	0,25	
E4 - EN.35825	Shim for Spring Cap	2	11		x	x	21,01	3,99	25,00	
E5 - EN.22545	Bus Bar Spring	1	1			x	63,03	11,97	75,00	
E6 - EN.31875	Spring Guide, Upper	1	2			x	37,82	7,18	45,00	
E7 - EN.29385	Spring Guide, Lower	1	1			x	37,82	7,18	45,00	
E8 - EN.35834	Bus Bar Bucket	1	1				37,82	7,18	45,00	
E9 - EN.47430	Bus Bar Operating Shaft	1	2			x	60,50	11,50	72,00	
E10 - EN.35823	Operating Lever (Internal)	1	2			x	46,22	8,78	55,00	
E11	Hexagon Bolt BSF 5/16" x 1 1/4" (not available/nicht lieferbar), use/verwende 5/16" x 1 1/2", shorten/kürzen)	5	15		x		1,25	0,24	1,49	
E11a	Spring Washer 8 mm	1	100		x		0,08	0,02	0,10	
E12 - EN.35821	Bus Bar Strut (Upper)	1	2			x	21,01	3,99	25,00	
E13 - EN.35822	Bus Bar Strut (Lower)	1	1			x	31,93	6,07	38,00	
E14 - EN.35851	Retaining Plate for Strut (Upper)	1	2			x	5,29	1,01	6,30	
E15	Screw Locking Tab 6 mm	1	20		x		0,20	0,04	0,24	
E15a	Hexagon Set Screw BSF 1/4" x 1/2"	1	10		x		0,48	0,09	0,57	
E16 - EN.47417	Bus Bar Operating Lever (External)	1	0			x	0,00	0,00	0,00	
E17	Hexagon Bolt BSF 5/16" x 1 1/4" (not available/nicht lieferbar), use/verwende 5/16" x 1 1/2", shorten/kürzen)	1	15		x		1,25	0,24	1,49	
E18	Spring Washer 8 mm	1	100		x		0,08	0,02	0,10	

Plate F Universal Joint Housing & Universal Joint									
Part-No.	Description	QTY used	QTY avail.	NOS	Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Teile-Nr.	Beschreibung	erford. Menge	lieferbar	Original-Neuteil	Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
F1	Universal Joint Housing	1	0				0,00	0,00	0,00
F2	Gasket Universal Joint Housing	1	1		x		9,24	1,76	11,00
F3	Oil Seal	1	5		x		23,53	4,47	28,00

Nuts & Bolts - Muttern & Schrauben etc.

Description	Size		QTY avail.		Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Beschreibung	Größe		lieferbar		Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
BSF									
Studs	1/4" x 1"		6			x	2,10	0,40	2,50
Stehbolzen	5/16" x 1"		0			x	2,27	0,43	2,70
	5/16" x 1 1/4"		22			x	2,35	0,45	2,80
	5/16" x 1 1/2"		31			x	2,52	0,48	3,00
	5/16" x 2"		7			x	2,77	0,53	3,30
	5/16" x 2 1/4"		4			x	2,94	0,56	3,50
	Hex. Setscrews	3/16" x 5/8"		8		x		0,48	0,09
6-Kant Schrauben	1/4" x 1/2"		10		x		0,48	0,09	0,57
	1/4" x 5/8" (nla, use 3/4" and shorten)		10		x		0,53	0,10	0,63
	1/4" x 1"		10		x		0,55	0,11	0,66
	3/8" x 2"		6		x		1,83	0,35	2,18
Hex. Bolts - 6-Kant Bolzen	3/16" x 5/8"		5		x		0,61	0,12	0,73
	3/16" x 7/8"		4		x		0,48	0,09	0,57
	1/4" x 1"		10		x		0,78	0,15	0,93
	5/16" x 1" (nla, use 1 1/2" and shorten)		15		x		1,25	0,24	1,49
	5/16" x 1 1/4" (nla, use 1 1/2" and shorten)		15		x		1,25	0,24	1,49
Slotted Counters. Screws	1/4" x 3/8" (nla, use 3/4" and shorten)		12		x		0,60	0,11	0,71
	1/4" x 1/2" (nla, use 3/4" and shorten)		12		x		0,60	0,11	0,71
Senkkopf/Schlitz									
Slotted Cheeseh. Rundkopf/Schlitz	1/4" x 1/2"		8		x		1,20	0,23	1,43
Nuts/Muttern	3/16"		10		x		0,86	0,16	1,02
	1/4"		100		x		0,24	0,05	0,29
	5/16"		180		x	x	0,36	0,07	0,43
Slotted Nuts Schlitzmuttern	1/4"		20		x		0,96	0,18	1,14
	5/16"		10		x		2,40	0,46	2,86
	9/16"		2		x		3,78	0,72	4,50

Description	Size		QTY avail.		Repro New	2nd hand rebuilt	Price in € per Unit, net	VAT 19,00%	Price
Beschreibung	Größe		lieferbar		Repro Neu	Gebraucht überholt	Preis in € p. Stück, Netto	MWST 19,00%	Endpreis
metric / inch									
Spring Washer	5/16"		0		x		0,00	0,00	0,00
Federringe	8 mm		100		x		0,08	0,02	0,10
Shakeproof Washer	5 mm		30		x		0,07	0,01	0,08
Zahnscheiben	6 mm		50		x		0,07	0,01	0,08
	8 mm		180		x		0,07	0,01	0,08
Plain Washer	1/4"		50		x		0,13	0,02	0,15
Unterlegscheiben	5/16"		50		x		0,17	0,03	0,20
	6 x 12		100		x		0,07	0,01	0,08
	8 x 16 mm		200		x		0,08	0,02	0,10
	10 x 20 mm		40		x		0,21	0,04	0,25
Copper Washer	10 x 18 mm		0		x		0,00	0,00	0,00
Kupferringe							0,00	0,00	0,00
Split Pins/Splinte	1 mm		100		x		0,08	0,02	0,10
	1,5 mm		100		x		0,08	0,02	0,10
	2 mm		100		x		0,08	0,02	0,10
	3mm		20		x		0,17	0,03	0,20
Locking Tabs	5 mm		20		x		0,18	0,04	0,22
2-Ohren Blech	6 mm		20		x		0,20	0,04	0,24
Round head steel rivets	4 x 30 mm		30		x		0,76	0,14	0,90
Rundkopf Stahlnieten							0,00	0,00	0,00
							0,00	0,00	0,00
inch									
Soft Countersunk	1/8" x 5/8"		200		x		0,17	0,03	0,20
Full Aluminium Rivets									
Senkkopf Aluminium Nieten									
BA									
Slotted Cheesehead	2BA x 1/2" (nla, use 5/8" and shorten)		8		x		0,61	0,12	0,73
Rundkopf/Schlitz	2BA x 5/8"		8		x		0,61	0,12	0,73
Nuts/Muttern	2BA		30		x		0,50	0,10	0,60