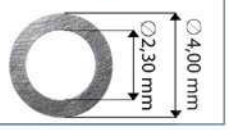
Spaco Diesel

COMMON RAIL
CALIBRATION SHIM & PISTON SETS

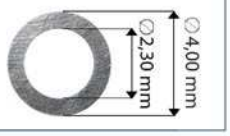
BROCHURE NUMBER 2

BOSCH

PAGE 1



PAGE 2



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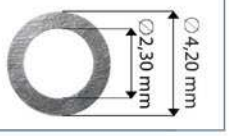

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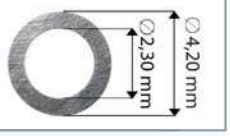

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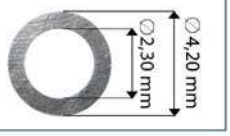

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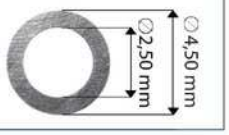

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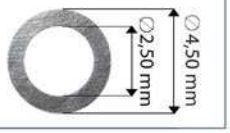

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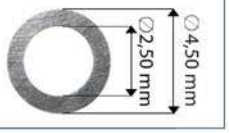

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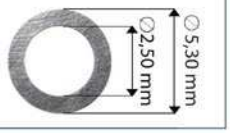

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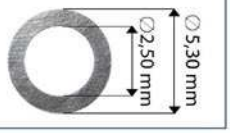

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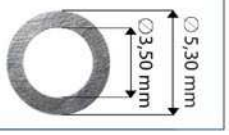

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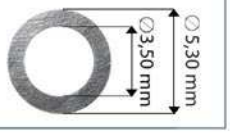

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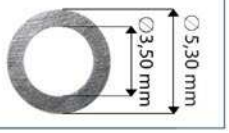

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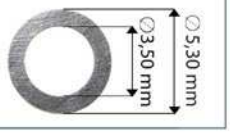

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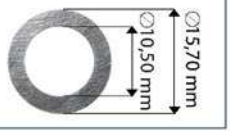

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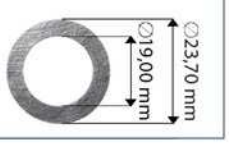

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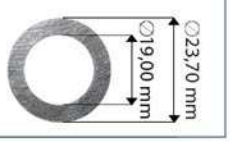

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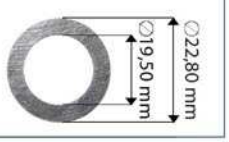

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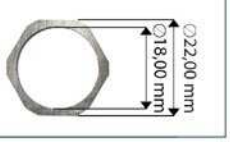

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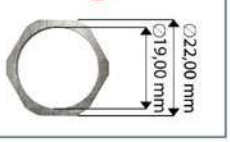

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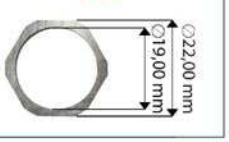

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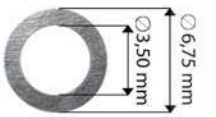

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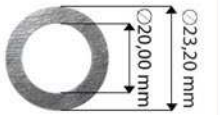

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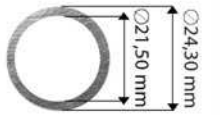

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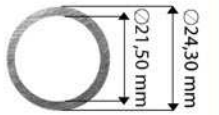

SIEMENS

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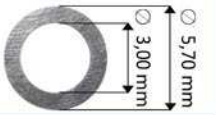

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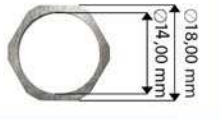

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All Common Rail sets are available in SPACO boxes.

All dimensions are indicative. All shims are available separately also.

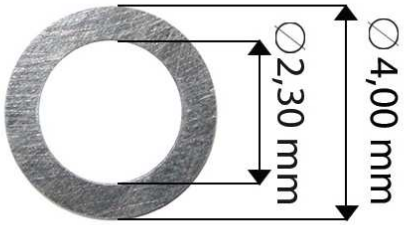
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15898** set of 260 pcs

1,20 mm to **1,70 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,30	**4,00**	1,20	15898/120	10
		1,22	15898/122	10
		1,24	15898/124	10
		1,26	15898/126	10
		1,28	15898/128	10
		1,30	15898/130	10
		1,32	15898/132	10
		1,34	15898/134	10
		1,36	15898/136	10
		1,38	15898/138	10
		1,40	15898/140	10
		1,42	15898/142	10
		1,44	15898/144	10
		1,46	15898/146	10
		1,48	15898/148	10
		1,50	15898/150	10
		1,52	15898/152	10
		1,54	15898/154	10
		1,56	15898/156	10
		1,58	15898/158	10
		1,60	15898/160	10
		1,62	15898/162	10
		1,64	15898/164	10
		1,66	15898/166	10
		1,68	15898/168	10
		1,70	15898/170	10

All dimensions are indicative. All shims are available separately also.

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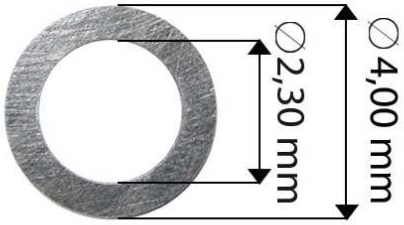
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO 15900 set of 100 pcs — **1,72 mm** to **1,90 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,30	**4,00**	1,72	15900/172	10
		1,74	15900/174	10
		1,76	15900/176	10
		1,78	15900/178	10
		1,80	15900/180	10
		1,82	15900/182	10
		1,84	15900/184	10
		1,86	15900/186	10
		1,88	15900/188	10
		1,90	15900/190	10

All dimensions are indicative. All shims are available separately also.

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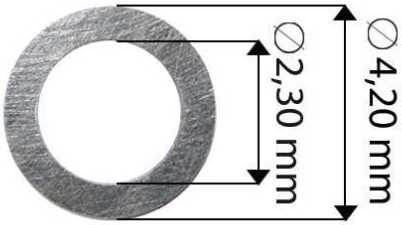
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15895** set of 260 pcs

1,20 mm to **1,70 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,30	**4,20**	1,20	15895/120	10
		1,22	15895/122	10
		1,24	15895/124	10
		1,26	15895/126	10
		1,28	15895/128	10
		1,30	15895/130	10
		1,32	15895/132	10
		1,34	15895/134	10
		1,36	15895/136	10
		1,38	15895/138	10
		1,40	15895/140	10
		1,42	15895/142	10
		1,44	15895/144	10
		1,46	15895/146	10
		1,48	15895/148	10
		1,50	15895/150	10
		1,52	15895/152	10
		1,54	15895/154	10
		1,56	15895/156	10
		1,58	15895/158	10
		1,60	15895/160	10
		1,62	15895/162	10
		1,64	15895/164	10
		1,66	15895/166	10
		1,68	15895/168	10
		1,70	15895/170	10

All dimensions are indicative. All shims are available separately also.

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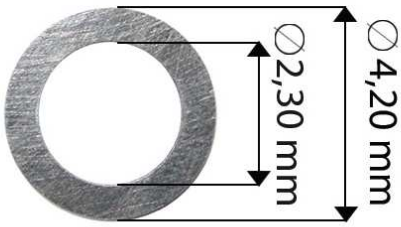
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15902** set of 140 pcs

1,70 mm to **1,96 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,30	**4,20**	1,70	15902/170	10
		1,72	15902/172	10
		1,74	15902/174	10
		1,76	15902/176	10
		1,78	15902/178	10
		1,80	15902/180	10
		1,82	15902/182	10
		1,84	15902/184	10
		1,86	15902/186	10
		1,88	15902/188	10
		1,90	15902/190	10
		1,92	15902/192	10
		1,94	15902/194	10
		1,96	15902/196	10

All dimensions are indicative. All shims are available separately also.

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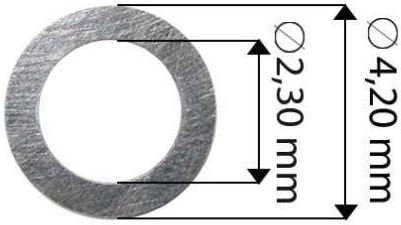
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15890** set of 110 pcs

1,20 mm to **1,70 mm** - Increment **0,05 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,30	**4,20**	1,20	15890/120	10
		1,25	15890/125	10
		1,30	15890/130	10
		1,35	15890/135	10
		1,40	15890/140	10
		1,45	15890/145	10
		1,50	15890/150	10
		1,55	15890/155	10
		1,60	15890/160	10
		1,65	15890/165	10
		1,70	15890/170	10

All dimensions are indicative. All shims are available separately also.

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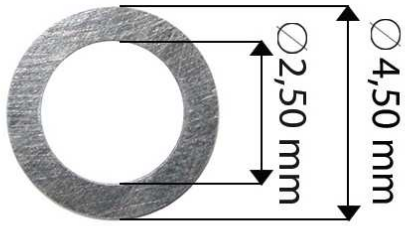
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15884** set of 260 pcs

1,20 mm to **1,70 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,50	**4,50**	1,20	15884/120	10
		1,22	15884/122	10
		1,24	15884/124	10
		1,26	15884/126	10
		1,28	15884/128	10
		1,30	15884/130	10
		1,32	15884/132	10
		1,34	15884/134	10
		1,36	15884/136	10
		1,38	15884/138	10
		1,40	15884/140	10
		1,42	15884/142	10
		1,44	15884/144	10
		1,46	15884/146	10
		1,48	15884/148	10
		1,50	15884/150	10
		1,52	15884/152	10
		1,54	15884/154	10
		1,56	15884/156	10
		1,58	15884/158	10
		1,60	15884/160	10
		1,62	15884/162	10
		1,64	15884/164	10
		1,66	15884/166	10
		1,68	15884/168	10
		1,70	15884/170	10

All dimensions are indicative. All shims are available separately also.

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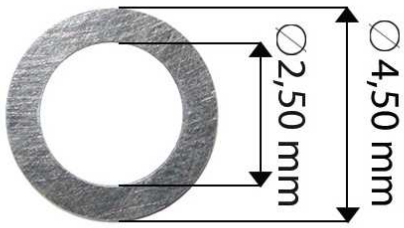
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15893** set of 120 pcs

1,64 mm to **1,86 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,50	**4,50**	1,64	15893/164	10
		1,66	15893/166	10
		1,68	15893/168	10
		1,70	15893/170	10
		1,72	15893/172	10
		1,74	15893/174	10
		1,76	15893/176	10
		1,78	15893/178	10
		1,80	15893/180	10
		1,82	15893/182	10
		1,84	15893/184	10
		1,86	15893/186	10

All dimensions are indicative. All shims are available separately also.

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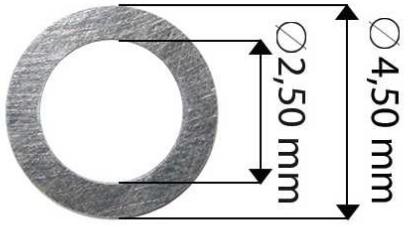
COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15889** set of 110 pcs

1,20 mm to **1,70 mm** - Increment **0,05 mm**



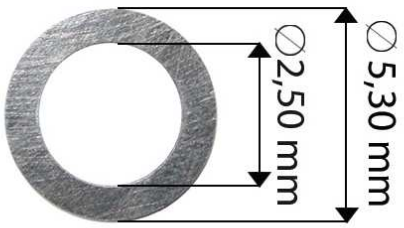
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,50	**4,50**	1,20	15889/120	10
		1,25	15889/125	10
		1,30	15889/130	10
		1,35	15889/135	10
		1,40	15889/140	10
		1,45	15889/145	10
		1,50	15889/150	10
		1,55	15889/155	10
		1,60	15889/160	10
		1,65	15889/165	10
		1,70	15889/170	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15885** set of 260 pcs

1,20 mm to **1,70 mm** - Increment **0,02 mm**



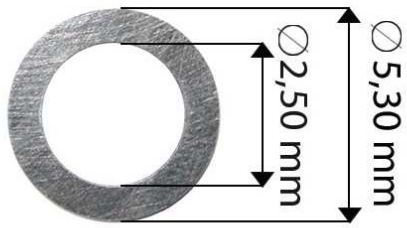
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,50	**5,30**	1,20	15885/120	10
		1,22	15885/122	10
		1,24	15885/124	10
		1,26	15885/126	10
		1,28	15885/128	10
		1,30	15885/130	10
		1,32	15885/132	10
		1,34	15885/134	10
		1,36	15885/136	10
		1,38	15885/138	10
		1,40	15885/140	10
		1,42	15885/142	10
		1,44	15885/144	10
		1,46	15885/146	10
		1,48	15885/148	10
		1,50	15885/150	10
		1,52	15885/152	10
		1,54	15885/154	10
		1,56	15885/156	10
		1,58	15885/158	10
		1,60	15885/160	10
		1,62	15885/162	10
		1,64	15885/164	10
		1,66	15885/166	10
		1,68	15885/168	10
		1,70	15885/170	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15903** set of 100 pcs

1,72 mm to **1,90 mm** - Increment **0,02 mm**



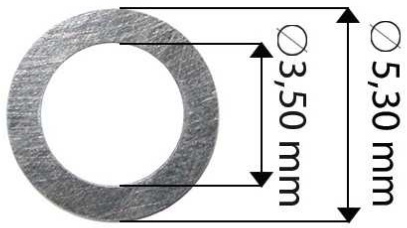
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
2,50	**5,30**	1,72	15903/172	10
		1,74	15903/174	10
		1,76	15903/176	10
		1,78	15903/178	10
		1,80	15903/180	10
		1,82	15903/182	10
		1,84	15903/184	10
		1,86	15903/186	10
		1,88	15903/188	10
		1,90	15903/190	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15883** set of 260 pcs

1,20 mm to **1,70 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,50	**5,30**	1,20	15883/120	10
		1,22	15883/122	10
		1,24	15883/124	10
		1,26	15883/126	10
		1,28	15883/128	10
		1,30	15883/130	10
		1,32	15883/132	10
		1,34	15883/134	10
		1,36	15883/136	10
		1,38	15883/138	10
		1,40	15883/140	10
		1,42	15883/142	10
		1,44	15883/144	10
		1,46	15883/146	10
		1,48	15883/148	10
		1,50	15883/150	10
		1,52	15883/152	10
		1,54	15883/154	10
		1,56	15883/156	10
		1,58	15883/158	10
		1,60	15883/160	10
		1,62	15883/162	10
		1,64	15883/164	10
		1,66	15883/166	10
		1,68	15883/168	10
		1,70	15883/170	10

All dimensions are indicative. All shims are available separately also.

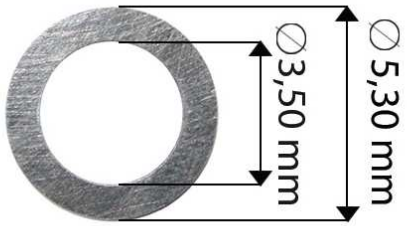
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15897** set of 210 pcs

0,90 mm to **1,90 mm** - Increment **0,05 mm**



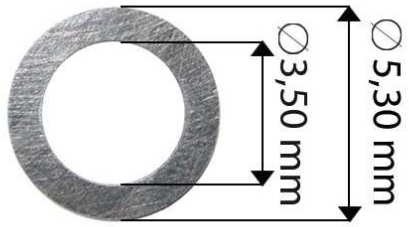
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,50	**5,30**	0,90	15897/090	10
		0,95	15897/095	10
		1,00	15897/100	10
		1,05	15897/105	10
		1,10	15897/110	10
		1,15	15897/115	10
		1,20	15897/120	10
		1,25	15897/125	10
		1,30	15897/130	10
		1,35	15897/135	10
		1,40	15897/140	10
		1,45	15897/145	10
		1,50	15897/150	10
		1,55	15897/155	10
		1,60	15897/160	10
		1,65	15897/165	10
		1,70	15897/170	10
		1,75	15897/175	10
		1,80	15897/180	10
		1,85	15897/185	10
		1,90	15897/190	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15891** set of 110 pcs

1,20 mm to **1,70 mm** - Increment **0,05 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,50	**5,30**	1,20	15891/120	10
		1,25	15891/125	10
		1,30	15891/130	10
		1,35	15891/135	10
		1,40	15891/140	10
		1,45	15891/145	10
		1,50	15891/150	10
		1,55	15891/155	10
		1,60	15891/160	10
		1,65	15891/165	10
		1,70	15891/170	10

All dimensions are indicative. All shims are available separately also.

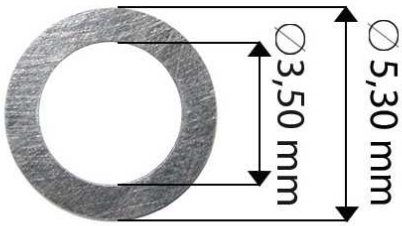
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

BOSCH TYPE

SPACO **15894** set of 240 pcs

1,40 mm to **1,86** - Increment **0,02 mm**



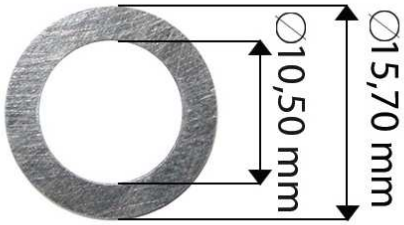
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,50	**5,30**	1,40	15894/140	10
		1,42	15894/142	10
		1,44	15894/144	10
		1,46	15894/146	10
		1,48	15894/148	10
		1,50	15894/150	10
		1,52	15894/152	10
		1,54	15894/154	10
		1,56	15894/156	10
		1,58	15894/158	10
		1,60	15894/160	10
		1,62	15894/162	10
		1,64	15894/164	10
		1,66	15894/166	10
		1,68	15894/168	10
		1,70	15894/170	10
		1,72	15894/172	10
		1,74	15894/174	10
		1,76	15894/176	10
		1,78	15894/178	10
		1,80	15894/180	10
		1,82	15894/182	10
		1,84	15894/184	10
		1,86	15894/186	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15896** set of 110 pcs

1,20 mm to **1,30 mm** - Increment **0,01 mm**



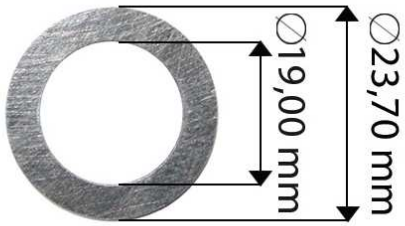
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	qty
10,50	**15,70**	1,20	15896/120	10
		1,21	15896/121	10
		1,22	15896/122	10
		1,23	15896/123	10
		1,24	15896/124	10
		1,25	15896/125	10
		1,26	15896/126	10
		1,27	15896/127	10
		1,28	15896/128	10
		1,29	15896/129	10
		1,30	15896/130	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15901** set of 110 pcs

0,90 mm to **1,00 mm** - Increment **0,01 mm**



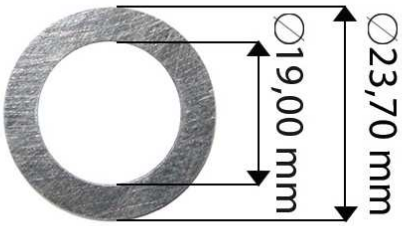
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
19,00	**23,70**	0,90	15901/090	10
		0,91	15901/091	10
		0,92	15901/092	10
		0,93	15901/093	10
		0,94	15901/094	10
		0,95	15901/095	10
		0,96	15901/096	10
		0,97	15901/097	10
		0,98	15901/098	10
		0,99	15901/099	10
		1,00	15901/100	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **15888** set of 110 pcs

1,00 mm to **1,10 mm** - Increment **0,01 mm**



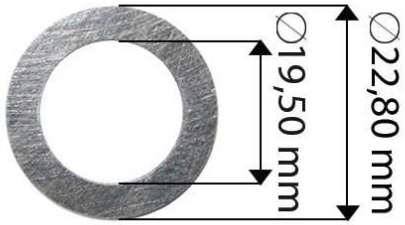
I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
19,00	**23,70**	1,00	15888/100	10
		1,01	15888/101	10
		1,02	15888/102	10
		1,03	15888/103	10
		1,04	15888/104	10
		1,05	15888/105	10
		1,06	15888/106	10
		1,07	15888/107	10
		1,08	15888/108	10
		1,09	15888/109	10
		1,10	15888/110	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **16364** **set of 220 pcs**

1,34 mm to **1,76 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
19,50	**22,80**	1,34	16364/134	10
		1,36	16364/136	10
		1,38	16364/138	10
		1,40	16364/140	10
		1,42	16364/142	10
		1,44	16364/144	10
		1,46	16364/146	10
		1,48	16364/148	10
		1,50	16364/150	10
		1,52	16364/152	10
		1,54	16364/154	10
		1,56	16364/156	10
		1,58	16364/158	10
		1,60	16364/160	10
		1,62	16364/162	10
		1,64	16364/164	10
		1,66	16364/166	10
		1,68	16364/168	10
		1,70	16364/170	10
		1,72	16364/172	10
		1,74	16364/174	10
		1,76	16364/176	10

All dimensions are indicative. All shims are available separately also.

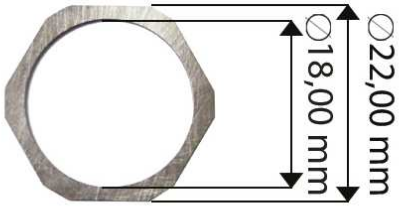
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER HEXAGON SHIM SET

BOSCH TYPE

SPACO **16363** set of 110 pcs

1,00 mm to **1,10 mm** - Increment **0,01 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
18,00	**22,00**	1,00	16363/100	10
		1,01	16363/101	10
		1,02	16363/102	10
		1,03	16363/103	10
		1,04	16363/104	10
		1,05	16363/105	10
		1,06	16363/106	10
		1,07	16363/107	10
		1,08	16363/108	10
		1,09	16363/109	10
		1,10	16363/110	10

All dimensions are indicative. All shims are available separately also.

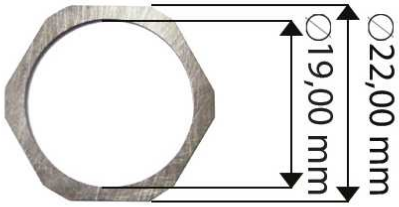
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER HEXAGON SHIM SET

BOSCH TYPE

SPACO **15899** set of 110 pcs

0,90 mm to 1,00 mm- Increment 0,01 mm



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	qty
19,00	**22,00**	0,90	15899/090	10
		0,91	15899/091	10
		0,92	15899/092	10
		0,93	15899/093	10
		0,94	15899/094	10
		0,95	15899/095	10
		0,96	15899/096	10
		0,97	15899/097	10
		0,98	15899/098	10
		0,99	15899/099	10
		1,00	15899/100	10

All dimensions are indicative. All shims are available separately also.

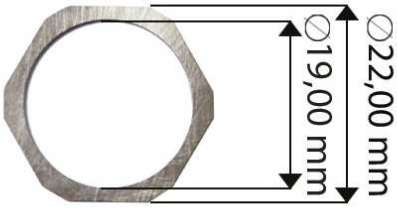
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER HEXAGON SHIM SET

BOSCH TYPE

SPACO **15887** set of 110 pcs

1,00 mm to **1,10 mm** - Increment **0,01 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
19,00	**22,00**	1,00	15887/100	10
		1,01	15887/101	10
		1,02	15887/102	10
		1,03	15887/103	10
		1,04	15887/104	10
		1,05	15887/105	10
		1,06	15887/106	10
		1,07	15887/107	10
		1,08	15887/108	10
		1,09	15887/109	10
		1,10	15887/110	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR DISK SET

BOSCH TYPE

SPACO **16283** set of 240 pcs

0,90 mm to **1,13 mm** - Increment **0,01 mm**

DIAMETER (mm)	OE REF	Thickness (mm)	Spaco	Qty
2,30	F 00V C12 50090	0,90	16721	10
	F 00V C12 50091	0,91	16722	10
	F 00V C12 50092	0,92	16723	10
	F 00V C12 50093	0,93	16724	10
	F 00V C12 50094	0,94	16725	10
	F 00V C12 50095	0,95	16726	10
	F 00V C12 50096	0,96	16727	10
	F 00V C12 50097	0,97	16728	10
	F 00V C12 50098	0,98	16729	10
	F 00V C12 50099	0,99	16730	10
	F 00V C12 500	1,00	16731	10
	F 00V C12 502	1,01	16732	10
	F 00V C12 504	1,02	16733	10
	F 00V C12 506	1,03	16734	10
	F 00V C12 508	1,04	16735	10
	F 00V C12 510	1,05	16736	10
	F 00V C12 512	1,06	16737	10
	F 00V C12 514	1,07	16738	10
	F 00V C12 516	1,08	16739	10
	F 00V C12 518	1,09	16740	10
	F 00V C12 520	1,10	16741	10
	F 00V C12 522	1,11	16742	10
	F 00V C12 524	1,12	16743	10
	F 00V C12 S	1,13	16744	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR DISK SET

BOSCH TYPE

SPACO **15886** set of 120 pcs

1,14 mm to **1,25 mm** - Increment **0,01 mm**

DIAMETER (mm)	OE REF	Thickness (mm)	Spaco	Qty
2,30	F 00V C12 528	1,14	16745	10
	F 00V C12 530	1,15	16746	10
	F 00V C12 532	1,16	16747	10
	F 00V C12 534	1,17	16748	10
	F 00V C12 536	1,18	16713	10
	F 00V C12 538	1,19	16714	10
	F 00V C12 540	1,20	16715	10
	F 00V C12 542	1,21	16716	10
	F 00V C12 544	1,22	16717	10
	F 00V C12 546	1,23	16718	10
	F 00V C12 548	1,24	16719	10
	F 00V C12 550	1,25	16720	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR DISK SET

BOSCH TYPE

SPACO **16712** **set of 110 pcs** — **1,26 mm** to **1,36 mm** - Increment **0,01 mm**

DIAMETER (mm)	OE REF	Thickness (mm)	Spaco	Qty
2,30	F 00V C12 552	1,26	16749	10
	F 00V C12 554	1,27	16750	10
	F 00V C12 556	1,28	16751	10
	F 00V C12 558	1,29	16752	10
	F 00V C12 560	1,30	16753	10
	F 00V C12 562	1,31	16754	10
	F 00V C12 564	1,32	16755	10
	F 00V C12 566	1,33	16756	10
	F 00V C12 568	1,34	16757	10
	F 00V C12 570	1,35	16758	10
	F 00V C12 572	1,36	16759	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR DISK SET

BOSCH TYPE

SPACO **16898** Set of 240 pcs

1,00 mm to **1,45 mm- Increment 0,02 mm**

DIAMETER (mm)	Thickness (mm)	Spaco	Qty
9,20	1,00	16898/100	10
	1,01	16898/101	10
	1,03	16898/103	10
	1,05	16898/105	10
	1,07	16898/107	10
	1,09	16898/109	10
	1,11	16898/111	10
	1,13	16898/113	10
	1,15	16898/115	10
	1,17	16898/117	10
	1,19	16898/119	10
	1,21	16898/121	10
	1,23	16898/123	10
	1,25	16898/125	10
	1,27	16898/127	10
	1,29	16898/129	10
	1,31	16898/131	10
	1,33	16898/133	10
	1,35	16898/135	10
	1,37	16898/137	10
	1,39	16898/139	10
	1,41	16898/141	10
	1,43	16898/143	10
	1,45	16898/145	10

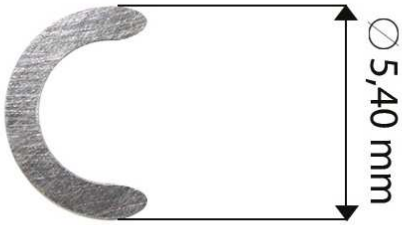
All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR DISK SET

BOSCH TYPE

SPACO **16905** set of 120 pcs — 1,155 mm to 1,265 mm



DIAMETER (mm)	Thickness (mm)	Spaco	Qty
5,40	1,155	16905/155	10
	1,165	16905/165	10
	1,175	16905/175	10
	1,185	16905/185	10
	1,195	16905/195	10
	1,205	16905/205	10
	1,215	16905/215	10
	1,225	16905/225	10
	1,235	16905/235	10
	1,245	16905/245	10
	1,255	16905/255	10
	1,265	16905/265	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR CYL. PISTONS SET

BOSCH TYPE

SPACO **15866** Set of 110 pcs

Increment **0,01 mm**

L= 8,40 mm

Length(mm)	Length (mm)	Spaco	Qty
8,40 to 8,50 mm	8,40	15867	10
	8,41	15868	10
	8,42	15869	10
	8,43	15870	10
	8,44	15871	10
	8,45	15872	10
	8,46	15873	10
	8,47	15874	10
	8,48	15875	10
	8,49	15876	10
	8,50	15877	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR CYL. PISTONS SET

BOSCH TYPE

SPACO **15904** set of 210 pcs

Increment **0,01 mm**

L= 8,50 mm

Length(mm)	Length(mm)	Spaco	Qty
8,50 to 8,70 mm	8,50	15904/850	10
	8,51	15904/851	10
	8,52	15904/852	10
	8,53	15904/853	10
	8,54	15904/854	10
	8,55	15904/855	10
	8,56	15904/856	10
	8,57	15904/857	10
	8,58	15904/858	10
	8,59	15904/859	10
	8,60	15904/860	10
	8,61	15904/861	10
	8,62	15904/862	10
	8,63	15904/863	10
	8,64	15904/864	10
	8,65	15904/865	10
	8,66	15904/866	10
	8,67	15904/867	10
	8,68	15904/868	10
	8,69	15904/869	10
	8,70	15904/870	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO **16910** set of 260 pcs

Length(mm)	O.E. Ref	Length (mm)	Spaco	Qty
8,277 to 8,577 mm	F 00V C12 400	8,277	16910/8277	10
	F 00V C12 404	8,289	16910/8289	10
	F 00V C12 408	8,301	16910/8301	10
	F 00V C12 412	8,313	16910/8313	10
	F 00V C12 416	8,325	16910/8325	10
	F 00V C12 420	8,337	16910/8337	10
	F 00V C12 424	8,349	16910/8349	10
	F 00V C12 428	8,361	16910/8361	10
	F 00V C12 432	8,373	16910/8373	10
	F 00V C12 436	8,385	16910/8385	10
	F 00V C12 440	8,397	16910/8397	10
	F 00V C12 444	8,409	16910/8409	10
	F 00V C12 448	8,421	16910/8421	10
	F 00V C12 452	8,433	16910/8433	10
	F 00V C12 456	8,445	16910/8445	10
	F 00V C12 460	8,457	16910/8457	10
	F 00V C12 464	8,469	16910/8469	10
	F 00V C12 468	8,481	16910/8481	10
	F 00V C12 472	8,493	16910/8493	10
	F 00V C12 476	8,505	16910/8505	10
	F 00V C12 480	8,517	16910/8517	10
	F 00V C12 484	8,529	16910/8529	10
	F 00V C12 488	8,541	16910/8541	10
	F 00V C12 492	8,553	16910/8553	10
	F 00V C12 496	8,565	16910/8565	10
	F 00V C12 498	8,577	16910/8577	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR HEX. PISTONS SET

BOSCH TYPE

SPACO **15906** set of 110 pcs

Increment **0,01 mm**

Length(mm)	Length (mm)	Spaco	Qty
8,40 to 8,50 mm	8,40	15906/840	10
	8,41	15906/841	10
	8,42	15906/842	10
	8,43	15906/843	10
	8,44	15906/844	10
	8,45	15906/845	10
	8,46	15906/846	10
	8,47	15906/847	10
	8,48	15906/848	10
	8,49	15906/849	10
	8,50	15906/850	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR HEX. SPACER SET

BOSCH TYPE

SPACO **15905** set of 210 pcs

Increment **0,01 mm**

Length(mm)	Length(mm)	Spaco	Qty
8,50 to 8,70 mm	8,50	15905/850	10
	8,51	15905/851	10
	8,52	15905/852	10
	8,53	15905/853	10
	8,54	15905/854	10
	8,55	15905/855	10
	8,56	15905/856	10
	8,57	15905/857	10
	8,58	15905/858	10
	8,59	15905/859	10
	8,60	15905/860	10
	8,61	15905/861	10
	8,62	15905/862	10
	8,63	15905/863	10
	8,64	15905/864	10
	8,65	15905/865	10
	8,66	15905/866	10
	8,67	15905/867	10
	8,68	15905/868	10
	8,69	15905/869	10
	8,70	15905/870	10

All dimensions are indicative. All shims are available separately also.

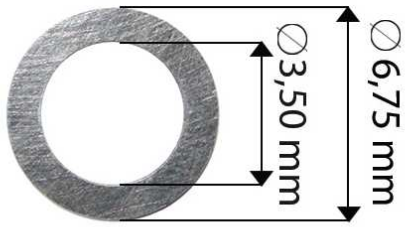
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

DENSO TYPE

SPACO **16862** **set of 120 pcs**

1,75 mm to **2,30 mm** - Increment **0,05 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,50	**6,75**	1,75	16862/175	10
		1,80	16862/180	10
		1,85	16862/185	10
		1,90	16862/190	10
		1,95	16862/195	10
		2,00	16862/200	10
		2,05	16862/205	10
		2,10	16862/210	10
		2,15	16862/215	10
		2,20	16862/220	10
		2,25	16862/225	10
		2,30	16862/230	10

All dimensions are indicative. All shims are available separately also.

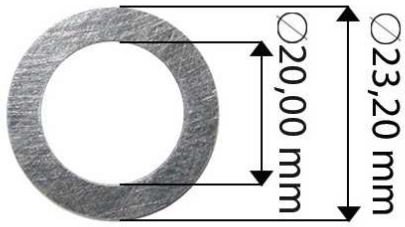
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

DENSO TYPE

SPACO **16863** **set of 120 pcs**

2,99 mm to **3,10 mm** - Increment **0,01 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
20,00	23,20	2,99	16863/299	10
		3,00	16863/300	10
		3,01	16863/301	10
		3,02	16863/302	10
		3,03	16863/303	10
		3,04	16863/304	10
		3,05	16863/305	10
		3,06	16863/306	10
		3,07	16863/307	10
		3,08	16863/308	10
		3,09	16863/309	10
		3,10	16863/310	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

DENSO TYPE

SPACO 16623 set of 230 pcs — **1,50 mm to 1,72 mm** - Increment **0,01 mm**

I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
21,50	**24,30**	1,50	16623/150	10
		1,51	16623/151	10
		1,52	16623/152	10
		1,53	16623/153	10
		1,54	16623/154	10
		1,55	16623/155	10
		1,56	16623/156	10
		1,57	16623/157	10
		1,58	16623/158	10
		1,59	16623/159	10
		1,60	16623/160	10
		1,61	16623/161	10
		1,62	16623/162	10
		1,63	16623/163	10
		1,64	16623/164	10
		1,65	16623/165	10
		1,66	16623/166	10
		1,67	16623/167	10
		1,68	16623/168	10
		1,69	16623/169	10
		1,70	16623/170	10
		1,71	16623/171	10
		1,72	16623/172	10

All dimensions are indicative. All shims are available separately also.

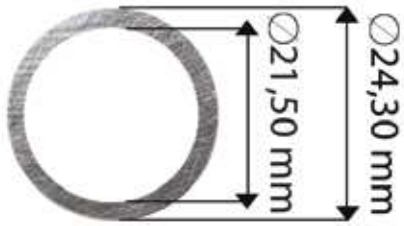
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

DENSO TYPE

SPACO **16624** set of 120 pcs

1,50 mm to 1,72 mm - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
21,50	**24,30**	1,50	16624/150	10
		1,52	16624/152	10
		1,54	16624/154	10
		1,56	16624/156	10
		1,58	16624/158	10
		1,60	16624/160	10
		1,62	16624/162	10
		1,64	16624/164	10
		1,66	16624/166	10
		1,68	16624/168	10
		1,70	16624/170	10
		1,72	16624/172	10

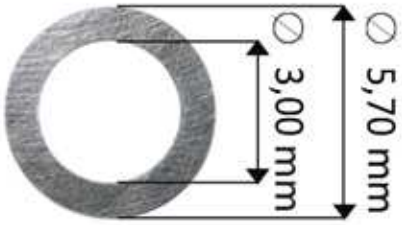
All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

SIEMENS TYPE

SPACO 16974 set of 240 pcs — **1,26 mm** to **1,72 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,00	5,70	1,26	18012/126	10
		1,28	18012/128	10
		1,30	18012/130	10
		1,32	18012/132	10
		1,34	18012/134	10
		1,36	18012/136	10
		1,38	18012/138	10
		1,40	18012/140	10
		1,42	18012/142	10
		1,44	18012/144	10
		1,46	18012/146	10
		1,48	18012/148	10
		1,50	18012/150	10
		1,52	18012/152	10
		1,54	18012/154	10
		1,56	18012/156	10
		1,58	18012/158	10
		1,60	18012/160	10
		1,62	18012/162	10
		1,64	18012/164	10
		1,66	18012/166	10
		1,68	18012/168	10
		1,70	18012/170	10
		1,72	18012/172	10

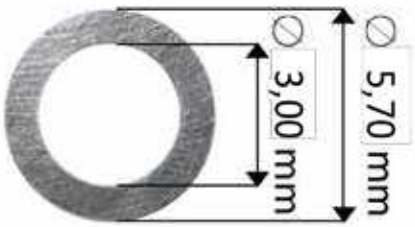
All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

SIEMENS TYPE

SPACO 18012 set of 120 pcs — **1,25 mm** to **1,80 mm** - Increment **0,05 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
3,00	5,70	1,25	18012/125	10
		1,30	18012/130	10
		1,35	18012/135	10
		1,40	18012/140	10
		1,45	18012/145	10
		1,50	18012/150	10
		1,55	18012/155	10
		1,60	18012/160	10
		1,65	18012/165	10
		1,70	18012/170	10
		1,75	18012/175	10
		1,80	18012/180	10

All dimensions are indicative. All shims are available separately also.

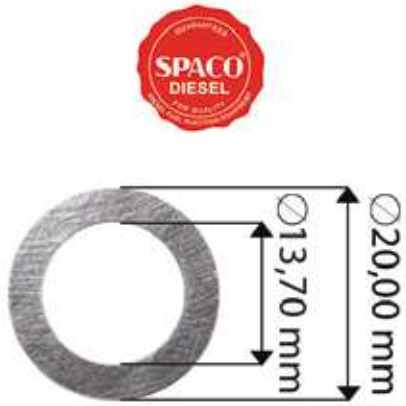
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

SIEMENS TYPE

SPACO **15892** set of 210 pcs

0,80 mm to **1,20 mm** - Increment **0,02 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
13,70	**20,00**	0,80	15892/080	10
		0,82	15892/082	10
		0,84	15892/084	10
		0,86	15892/086	10
		0,88	15892/088	10
		0,90	15892/090	10
		0,92	15892/092	10
		0,94	15892/094	10
		0,96	15892/096	10
		0,98	15892/098	10
		1,00	15892/100	10
		1,02	15892/102	10
		1,04	15892/104	10
		1,06	15892/106	10
		1,08	15892/108	10
		1,10	15892/110	10
		1,12	15892/112	10
		1,14	15892/114	10
		1,16	15892/116	10
		1,18	15892/118	10
		1,20	15892/120	10

All dimensions are indicative. All shims are available separately also.

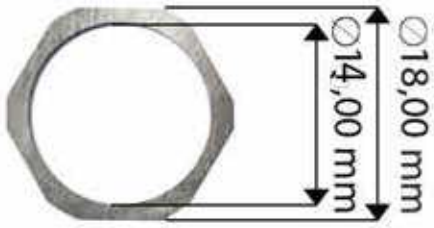
IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

COMMON RAIL INJECTOR SPACER SHIM SET

SIEMENS TYPE

SPACO **18011** set of 240 pcs

0,90 mm to **1,13 mm** - Increment **0,01 mm**



I.D. (mm)	O.D. (mm)	Thickness (mm)	Spaco	Qty
14,00	18,00	0,90	18011/090	10
		0,91	18011/091	10
		0,92	18011/092	10
		0,93	18011/093	10
		0,94	18011/094	10
		0,95	18011/095	10
		0,96	18011/096	10
		0,97	18011/097	10
		0,98	18011/098	10
		0,99	18011/099	10
		1,00	18011/100	10
		1,01	18011/101	10
		1,02	18011/102	10
		1,03	18011/103	10
		1,04	18011/104	10
		1,05	18011/105	10
		1,06	18011/106	10
		1,07	18011/107	10
		1,08	18011/108	10
		1,09	18011/109	10
		1,10	18011/110	10
		1,11	18011/111	10
		1,12	18011/112	10
		1,13	18011/113	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.

SPACO 18010 set of 220 pcs

Increment **0,02 mm**

Length(mm)	Length(mm)	Spaco	Qty
7,76 to 8,18 mm	7,76	18010/776	10
	7,78	18010/778	10
	7,80	18010/778	10
	7,82	18010/782	10
	7,84	18010/784	10
	7,86	18010/786	10
	7,88	18010/788	10
	7,90	18010/790	10
	7,92	18010/792	10
	7,94	18010/794	10
	7,96	18010/796	10
	7,98	18010/798	10
	8,00	18010/780	10
	8,02	18010/802	10
	8,04	18010/804	10
	8,06	18010/806	10
	8,08	18010/808	10
	8,10	18010/810	10
	8,12	18010/812	10
	8,14	18010/814	10
	8,16	18010/816	10
	8,18	18010/818	10

All dimensions are indicative. All shims are available separately also.

IMPORTANT: All manufacturers' names, numbers, symbols and descriptions are used for reference purposes only and do not imply that any part listed is the product of these manufacturers.