

Efficiënte oplossing voor gereedschappen met interne koeling.

De 'sealing disks DS' geeft u de mogelijkheid om in combinatie met standaard ER-spantangen snijgereedschappen met interne koeling te gebruiken.

Dit bespaart u de noodzaak van nieuwe (dure) spantangen.

Key advantages

Swiss quality product

Sealing range

0.5 mm

ER 11 has no sealing range and can only be used nominally. Assembling with mounting tool MWZ.

High pressure

For applications up to 150 bar / 2100 PSI.

Protection

Protects against all kind of dirt and chips entering the slots of the collet.

Matched tooling system for best fit

Our long-lasting machining experience results in a well-engineered system. All components are fitted together to one system to maximize your machining potential.

Coolant resistant

O-ring for aggressive coolant (VITON®-quality).

Interchangeable

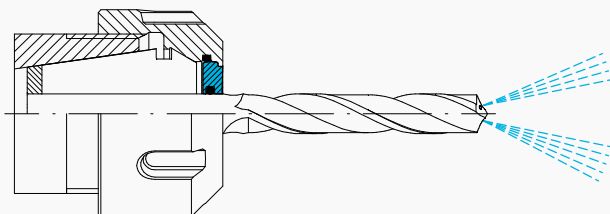
Quick change of sealing disks according to required tool shank diameter.

Coolant through

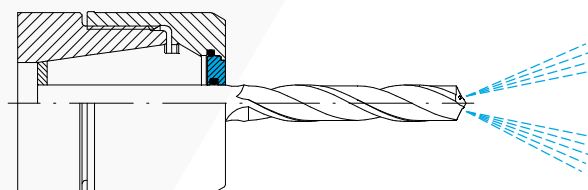
For better cooling and lubrication. Extends tool life and supports chip removal.

Tot 150 bar!

Dit kan enkel bij Rego-Fix.



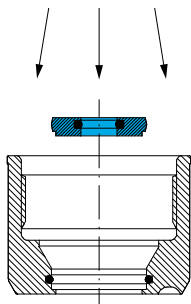
DS/ER



DS/MR

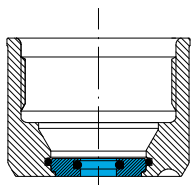
Sealing disks DS

ER / MR



Assembling

Assembling Insert the small diameter of the disk into the center of the coolant nut. Apply an even pressure until the disk is properly seated into the nut.

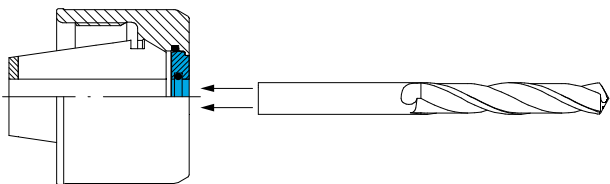


Inserted DS

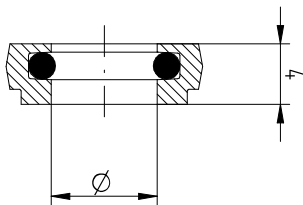
Removing To remove the disk, simply press on the outside of the disk evenly until it snaps out.

Expert advice

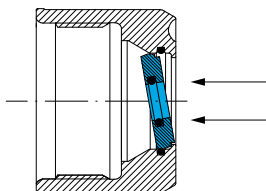
Insert tool with the shank side first. O-ring might be damaged if cutting tool is inserted from the back with the cutting edge side.



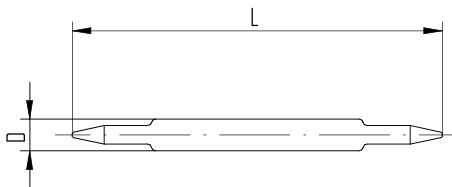
Insert tool



DS / ER



Disk removal



MWZ 11

Type	Part no.	D [mm]	L [mm]
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MWZ 11 mounting tool for sealing disks			
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MWZ 11	3911.88888	12	140
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Sealing disks for ER/MR

DS/ER

DS/MR

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
DS/ER 11						
Ø 3.0 mm	3911.00300	—	3.0	—	—	●
Ø 1/8"	3911.00318	1/8"	—	—	—	●
Ø 4.0 mm	3911.00400	5/32"	4.0	—	—	●
Ø 3/16"	3911.00476	3/16"	—	—	—	●
Ø 5.0 mm	3911.00500	—	5.0	—	—	●
Ø 6.0 mm	3911.00600	—	6.0	—	—	●
Ø 1/4"	3911.00635	1/4"	—	—	—	●
BLANK DS/ER 11	3911.09999	—	—	—	—	●

ER 11 has no sealing range and can only be used nominally. Assembling with mounting tool MWZ.

DS/ER 16						
DS/ER 16 SET (14 pcs.)	3916.00000	–	3.0–10.0	0.1378–0.3937	–	••
Ø 3.0 mm	3916.00300	3/32"	3.0–2.5	0.1181–0.0984	–	••
Ø 3.5 mm	3916.00350	1/8"	3.5–3.0	0.1378–0.1181	•	••
Ø 4.0 mm	3916.00400	5/32"	4.0–3.5	0.1575–0.1378	•	••
Ø 4.5 mm	3916.00450	–	4.5–4.0	0.1772–0.1575	•	••
Ø 5.0 mm	3916.00500	3/16"	5.0–4.5	0.1969–0.1772	•	••
Ø 5.5 mm	3916.00550	7/32"	5.5–5.0	0.2165–0.1969	•	••
Ø 6.0 mm	3916.00600	–	6.0–5.5	0.2362–0.2165	•	••
Ø 6.5 mm	3916.00650	1/4"	6.5–6.0	0.2559–0.2362	•	••
Ø 7.0 mm	3916.00700	–	7.0–6.5	0.2756–0.2559	•	••
Ø 7.5 mm	3916.00750	9/32"	7.5–7.0	0.2953–0.2756	•	••
Ø 8.0 mm	3916.00800	5/16"	8.0–7.5	0.315–0.2953	•	••
Ø 8.5 mm	3916.00850	–	8.5–8.0	0.3346–0.315	•	••
Ø 9.0 mm	3916.00900	11/32"	9.0–8.5	0.3543–0.3346	•	••
Ø 9.5 mm	3916.00950	3/8"	9.5–9.0	0.374–0.3543	•	••
Ø 10.0 mm	3916.01000	–	10.0–9.5	0.3937–0.374	•	••
BLANK DS/ER 16	3916.09999	–	–	–	–	••

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

DS/ER 20						
SET DS/ER 20 (20 pcs.)	3920.00000	–	3.0–13.0	0.1378–0.5118	–	•
Ø 3.0 mm	3920.00300	3/32"	3.0–2.5	0.1181–0.0984	–	•
Ø 3.5 mm	3920.00350	1/8"	3.5–3.0	0.1378–0.1181	•	•
Ø 4.0 mm	3920.00400	5/32"	4.0–3.5	0.1575–0.1378	•	•
Ø 4.5 mm	3920.00450	–	4.5–4.0	0.2165–0.1969	•	•
Ø 5.0 mm	3920.00500	3/16"	5.0–4.5	0.1969–0.1772	•	•
Ø 5.5 mm	3920.00550	7/32"	5.5–5.0	0.1772–0.1575	•	•
Ø 6.0 mm	3920.00600	–	6.0–5.5	0.2362–0.2165	•	•
Ø 6.5 mm	3920.00650	1/4"	6.5–6.0	0.2559–0.2362	•	•
Ø 7.0 mm	3920.00700	–	7.0–6.5	0.2756–0.2559	•	•
Ø 7.5 mm	3920.00750	9/32"	7.5–7.0	0.2953–0.2756	•	•
Ø 8.0 mm	3920.00800	5/16"	8.0–7.5	0.315–0.2953	•	•
Ø 8.5 mm	3920.00850	–	8.5–8.0	0.3346–0.315	•	•

Sealing disks for ER/MR

DS/ER

DS/MR

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
Ø 9.0 mm	3920.00900	11/32"	9.0–8.5	0.3543–0.3346	•	•
Ø 9.5 mm	3920.00950	3/8"	9.5–9.0	0.374–0.3543	•	•
Ø 10.0 mm	3920.01000	–	10.0–9.5	0.3937–0.374	•	•
Ø 10.5 mm	3920.01050	13/32"	10.5–10.0	0.4134–0.3937	•	•
Ø 11.0 mm	3920.01100	–	11.0–10.5	0.433–0.4134	•	•
Ø 11.5 mm	3920.01150	7/16"	11.5–11.0	0.4528–0.4331	•	•
Ø 12.0 mm	3920.01200	15/32"	12.0–11.5	0.4724–0.4528	•	•
Ø 12.5 mm	3920.01250	–	12.5–12.0	0.4921–0.4724	•	•
Ø 13.0 mm	3920.01300	1/2"	13.0–12.5	0.5118–0.4921	•	•
BLANK DS/ER 20	3920.09999	–	–	–	–	•

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

DS/ER 25						
SET DS/ER 25 (26 pcs.)	3925.00000	–	3.0–16.0	0.1181–0.6299	–	• •
Ø 3.0 mm	3925.00300	3/32"	3.0–2.5	0.1181–0.0984	–	• •
Ø 3.5 mm	3925.00350	1/8"	3.5–3.0	0.1378–0.1181	•	• •
Ø 4.0 mm	3925.00400	5/32"	4.0–3.5	0.1575–0.1378	•	• •
Ø 4.5 mm	3925.00450	–	4.5–4.0	0.1772–0.1575	•	• •
Ø 5.0 mm	3925.00500	3/16"	5.0–4.5	0.1969–0.1772	•	• •
Ø 5.5 mm	3925.00550	7/32"	5.5–5.0	0.2165–0.1969	•	• •
Ø 6.0 mm	3925.00600	–	6.0–5.5	0.2362–0.2165	•	• •
Ø 6.5 mm	3925.00650	1/4"	6.5–6.0	0.2559–0.2362	•	• •
Ø 7.0 mm	3925.00700	–	7.0–6.5	0.2756–0.2559	•	• •
Ø 7.5 mm	3925.00750	9/32"	7.5–7.0	0.2953–0.2756	•	• •
Ø 8.0 mm	3925.00800	5/16"	8.0–7.5	0.315–0.2953	•	• •
Ø 8.5 mm	3925.00850	–	8.5–8.0	0.3346–0.315	•	• •
Ø 9.0 mm	3925.00900	11/32"	9.0–8.5	0.3543–0.3347	•	• •
Ø 9.5 mm	3925.00950	3/8"	9.5–9.0	0.374–0.3543	•	• •
Ø 10.0 mm	3925.01000	–	10.0–9.5	0.3937–0.374	•	• •
Ø 10.5 mm	3925.01050	13/32"	10.5–10.0	0.4134–0.3937	•	• •
Ø 11.0 mm	3925.01100	–	11.0–10.5	0.433–0.4134	•	• •
Ø 11.5 mm	3925.01150	7/16"	11.5–11.0	0.4528–0.433	•	• •
Ø 12.0 mm	3925.01200	15/32"	12.0–11.5	0.4724–0.4528	•	• •
Ø 12.5 mm	3925.01250	–	12.5–12.0	0.4921–0.4724	•	• •
Ø 13.0 mm	3925.01300	1/2"	13.0–12.5	0.5118–0.4921	•	• •
Ø 13.5 mm	3925.01350	17/32"	13.5–13.0	0.5315–0.5118	•	• •
Ø 14.0 mm	3925.01400	–	14.0–13.5	0.5512–0.5315	•	• •
Ø 14.5 mm	3925.01450	9/16"	14.5–14.0	0.5709–0.5512	•	• •
Ø 15.0 mm	3925.01500	–	15.0–14.5	0.5906–0.5709	•	• •
Ø 15.5 mm	3925.01550	19/32"	15.5–15.0	0.6102–0.5906	•	• •
Ø 16.0 mm	3925.01600	5/8"	16.0–15.5	0.6299–0.6102	•	• •
BLANK DS/ER 25	3925.09999	–	–	–	–	• •

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR



Sealing disks for ER/MR

DS/ER

DS/MR

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
DS/ER 32						
DS/ER 32 SET (34 pcs.)	3932.00000	—	3.0–20.0	0.1181–0.7874	—	 
Ø 3.0 mm	3932.00300	3/32"	3.0–2.5	0.1181–0.0984	—	 
Ø 3.5 mm	3932.00350	1/8"	3.5–3.0	0.1378–0.1181		 
Ø 4.0 mm	3932.00400	5/32"	4.0–3.5	0.1575–0.1378		 
Ø 4.5 mm	3932.00450	—	4.5–4.0	0.1772–0.1575		 
Ø 5.0 mm	3932.00500	3/16"	5.0–4.5	0.1969–0.1772		 
Ø 5.5 mm	3932.00550	7/32"	5.5–5.0	0.2165–0.1969		 
Ø 6.0 mm	3932.00600	—	6.0–5.5	0.2362–0.2165		 
Ø 6.5 mm	3932.00650	1/4"	6.5–6.0	0.2559–0.2362		 
Ø 7.0 mm	3932.00700	—	7.0–6.5	0.2756–0.2559		 
Ø 7.5 mm	3932.00750	9/32"	7.5–7.0	0.2953–0.2756		 
Ø 8.0 mm	3932.00800	5/16"	8.0–7.5	0.315–0.2953		 
Ø 8.5 mm	3932.00850	—	8.5–8.0	0.3346–0.315		 
Ø 9.0 mm	3932.00900	11/32"	9.0–8.5	0.3543–0.3346		 
Ø 9.5 mm	3932.00950	3/8"	9.5–9.0	0.374–0.3543		 
Ø 10.0 mm	3932.01000	—	10.0–9.5	0.3937–0.374		 
Ø 10.5 mm	3932.01050	13/32"	10.5–10.0	0.4134–0.3937		 
Ø 11.0 mm	3932.01100	—	11.0–10.5	0.4331–0.4134		 
Ø 11.5 mm	3932.01150	7/16"	11.5–11.0	0.4528–0.4331		 
Ø 12.0 mm	3932.01200	15/32"	12.0–11.5	0.4724–0.4528		 
Ø 12.5 mm	3932.01250	—	12.5–12.0	0.4921–0.4724		 
Ø 13.0 mm	3932.01300	1/2"	13.0–12.5	0.5118–0.4921		 
Ø 13.5 mm	3932.01350	17/32"	13.5–13.0	0.5315–0.5118		 
Ø 14.0 mm	3932.01400	—	14.0–13.5	0.5512–0.5315		 
Ø 14.5 mm	3932.01450	9/16"	14.5–14.0	0.5709–0.5512		 
Ø 15.0 mm	3932.01500	—	15.0–14.5	0.5905–0.5709		 
Ø 15.5 mm	3932.01550	19/32"	15.5–15.0	0.6102–0.5906		 
Ø 16.0 mm	3932.01600	5/8"	16.0–15.5	0.6299–0.6102		 
Ø 16.5 mm	3932.01650	—	16.5–16.0	0.6496–0.6299		 
Ø 17.0 mm	3932.01700	21/32"	17.0–16.5	0.6693–0.6496		 
Ø 17.5 mm	3932.01750	11/16"	17.5–17.0	0.689–0.6693		 
Ø 18.0 mm	3932.01800	—	18.0–17.5	0.7087–0.689		 
Ø 18.5 mm	3932.01850	23/32"	18.5–18.0	0.7283–0.7087		 
Ø 19.0 mm	3932.01900	3/4"	19.0–18.5	0.748–0.7283		 
Ø 19.5 mm	3932.01950	—	19.5–19.0	0.7677–0.748		 
Ø 20.0 mm	3932.02000	25/32"	20.0–19.5	0.7874–0.7677		 
BLANK DS/ER 32	3932.09999	—	—	—	—	

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

Sealing disks for ER

DS/ER

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
DS/ER 40						
DS/ER 40 SET (46 pcs.)	3940.00000	—	3.0–26.0	0.1181–1.0236	—	
Ø 3.0 mm	3940.00300	3/32"	3.0–2.5	0.1181–0.0984	—	
Ø 3.5 mm	3940.00350	1/8"	3.5–3.0	0.1378–0.1181		
Ø 4.0 mm	3940.00400	5/32"	4.0–3.5	0.1575–0.1378		
Ø 4.5 mm	3940.00450	—	4.5–4.0	0.1772–0.1575		
Ø 5.0 mm	3940.00500	3/16"	5.0–4.5	0.1969–0.1772		
Ø 5.5 mm	3940.00550	7/32"	5.5–5.0	0.2165–0.1969		
Ø 6.0 mm	3940.00600	—	6.0–5.5	0.2362–0.2165		
Ø 6.5 mm	3940.00650	1/4"	6.5–6.0	0.2559–0.2362		
Ø 7.0 mm	3940.00700	—	7.0–6.5	0.2756–0.2559		
Ø 7.5 mm	3940.00750	9/32"	7.5–7.0	0.2953–0.2756		
Ø 8.0 mm	3940.00800	5/16"	8.0–7.5	0.315–0.2953		
Ø 8.5 mm	3940.00850	—	8.5–8.0	0.3347–0.315		
Ø 9.0 mm	3940.00900	11/32"	9.0–8.5	0.3543–0.3347		
Ø 9.5 mm	3940.00950	3/8"	9.5–9.0	0.374–0.3543		
Ø 10.0 mm	3940.01000	—	10.0–9.5	0.3937–0.374		
Ø 10.5 mm	3940.01050	13/32"	10.5–10.0	0.4134–0.3937		
Ø 11.0 mm	3940.01100	—	11.0–10.5	0.433–0.4134		
Ø 11.5 mm	3940.01150	7/16"	11.5–11.0	0.4528–0.433		
Ø 12.0 mm	3940.01200	15/32"	12.0–11.5	0.4724–0.4528		
Ø 12.5 mm	3940.01250	—	12.5–12.0	0.4921–0.4724		
Ø 13.0 mm	3940.01300	1/2"	13.0–12.5	0.5118–0.4921		
Ø 13.5 mm	3940.01350	17/32"	13.5–13.0	0.5315–0.5118		
Ø 14.0 mm	3940.01400	—	14.0–13.5	0.5512–0.5315		
Ø 14.5 mm	3940.01450	9/16"	14.5–14.0	0.5709–0.5512		
Ø 15.0 mm	3940.01500	—	15.0–14.5	0.5905–0.5709		
Ø 15.5 mm	3940.01550	19/32"	15.5–15.0	0.6102–0.5905		
Ø 16.0 mm	3940.01600	5/8"	16.0–15.5	0.6299–0.6102		
Ø 16.5 mm	3940.01650	—	16.5–16.0	0.6496–0.6299		
Ø 17.0 mm	3940.01700	21/32"	17.0–16.5	0.6693–0.6496		
Ø 17.5 mm	3940.01750	11/16"	17.5–17.0	0.689–0.6693		
Ø 18.0 mm	3940.01800	—	18.0–17.5	0.7087–0.689		
Ø 18.5 mm	3940.01850	23/32"	18.5–18.0	0.7283–0.7087		
Ø 19.0 mm	3940.01900	3/4"	19.0–18.5	0.748–0.7283		
Ø 19.5 mm	3940.01950	—	19.5–19.0	0.7677–0.748		
Ø 20.0 mm	3940.02000	23/32"	20.0–19.5	0.7874–0.7677		
Ø 20.5 mm	3940.02050	—	20.5–20.0	0.8071–0.7874		
Ø 21.0 mm	3940.02100	13/16"	21.0–20.5	0.8268–0.8071		
Ø 21.5 mm	3940.02150	25/32"	21.5–21.0	0.8465–0.8268		



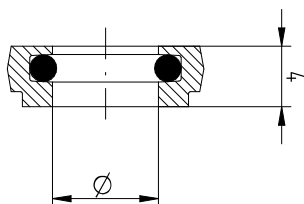
Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
Ø 22.0 mm	3940.02200	–	22.0–21.5	0.8661–0.8465	•	•
Ø 22.5 mm	3940.02250	7/8"	22.5–22.0	0.8858–0.8268	•	•
Ø 23.0 mm	3940.02300	29/32"	23.0–22.5	0.9055–0.8858	•	•
Ø 23.5 mm	3940.02350	–	23.5–23.0	0.9252–0.9055	•	•
Ø 24.0 mm	3940.02400	15/16"	24.0–23.5	0.9449–0.9252	•	•
Ø 24.5 mm	3940.02450	–	24.5–24.0	0.9646–0.9449	•	•
Ø 25.0 mm	3940.02500	31/32"	25.0–24.5	0.9843–0.9646	•	•
Ø 25.5 mm	3940.02550	1"	25.5–25.0	1.0039–0.9843	•	•
Ø 26.0 mm	3940.02600	–	26.0–25.5	1.0236–1.0039	•	•
BLANK DS/ER 40	3940.09999	–	–	–	–	•

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

DS/ER 50

ADP ER 50–DS/ER 40*	3950.40000	–	3.0–26.0	0.1181–1.0236	–	•
Ø 22.0 mm	3950.02200	–	22.0–21.5	0.8661–0.8465	–	•
Ø 25.0 mm	3950.02500	–	25.0–24.5	0.9842–0.9645	–	•
Ø 28.0 mm	3950.02800	–	28.0–27.5	1.1023–1.0827	–	•
Ø 32.0 mm	3950.03200	–	32.0–31.5	1.2598–1.2402	–	•
Ø 36.0 mm	3950.03600	–	36.0–35.5	1.4173–1.3976	–	•

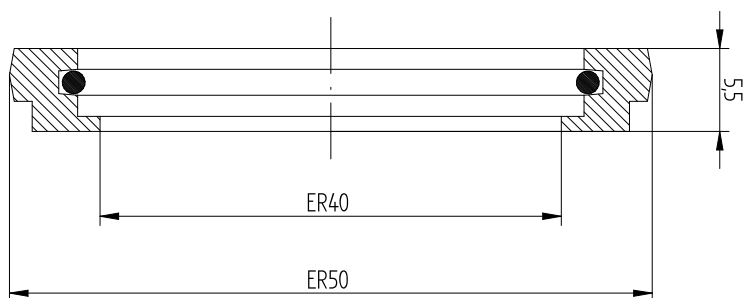
*The ADP ER 50-DS/ER 40 only works in combination with a sealing disk DS/ER 40. DS/ER 40 is not included in delivery



DS/ER

Expert advice

The BLANK DS/ER is used as machining blank for specific sizes or as sealing disk for double-sided driven tools.



ADP ER 50–DS/ER 40

Expert advice

The adapter ADP ER 50–DS/ER 40 allows the use of DS/ER-40 sealing disks in ER-50 clamping nuts.

