Tools and accessories 05

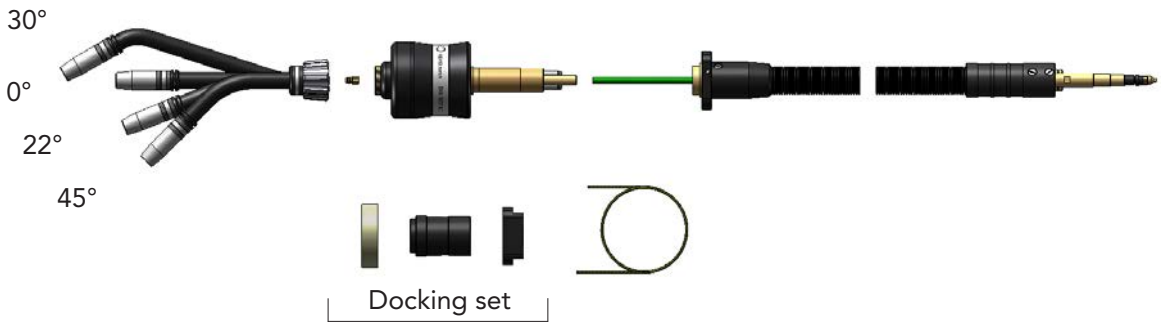
Contents

Accessories

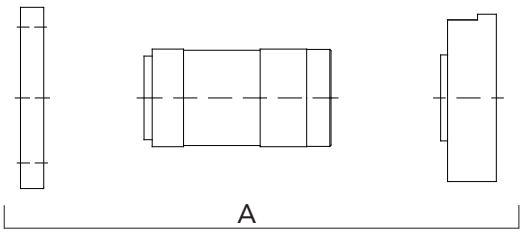
Docking sets For robotic torches REVO.torch	gas/liquid	REX 3xx	2
Contact set, Measuring sensor set For torch sets ME(P)T(T)(Z) 310(600), RET(Z) 310(610)	gas/liquid	K xx / M 150 K	4
Contact clamp For robotic and automatic torch sets ECO.torch	gas/liquid	K 180 ME	5
Adapter flanges MIG/MAG, TIG	gas/liquid	ADF(D) 6xxx	6
Adapter flanges REVO.torch, LITE.torch MIG/MAG	gas/liquid	ADFR 6xxx	12
Adapter flanges ECO.torch MIG/MAG	gas/liquid	ADFRD 6xxx	14
Adapter flanges LITE.torch RET(Z) 361 (661) MIG/MAG	gas/liquid	ADFL 6xxx	16
System holder MIG/MAG, TIG, LASER For supply hoses	gas/liquid	VLH xx	18
Liner MIG/MAG, TIG, LASER For wire electrodes	gas/liquid	DS 4/x,x	19
Capillary liner MIG/MAG, TIG, LASER For wire electrodes	gas/liquid	DSK / DST / DSS	20
Power pin For plugs with N (neutral) connection	gas/liquid	PP 1xx	21
Power pin sets For manual applications	gas/liquid	PPS 1xx	22

Docking sets REX 3xx
For robotic torches REVO.torch
MIG/MAG

Application sample



Hint:
The docking set depends on the robot type

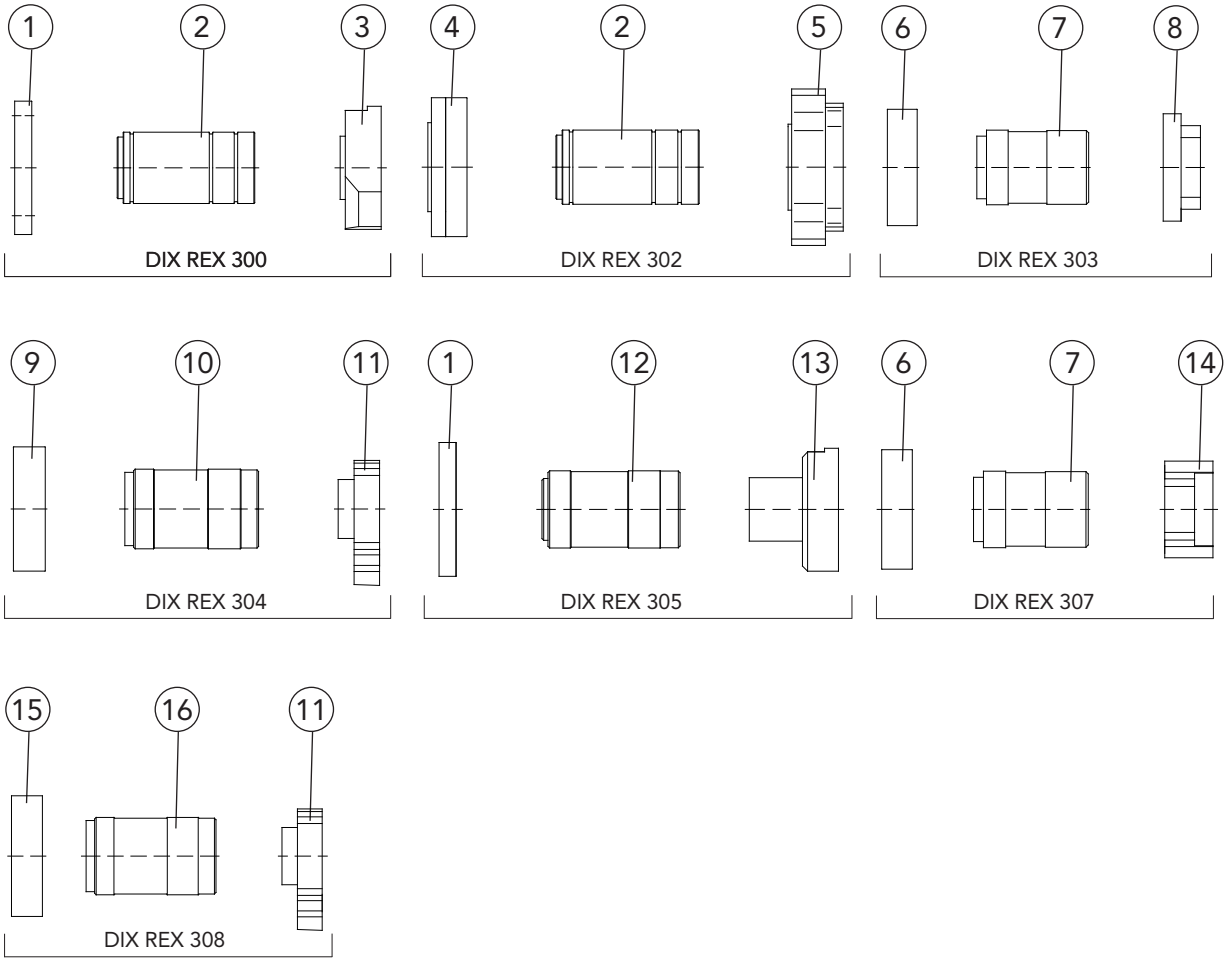


	Description		Item number	Part name	Part number
A	Docking set		3_ _	DIX REX 3_ _	6870023_ _
_ _ -	Robot type				
	ABB:	IRB 1600 ID	302		
	Fanuc:	ARC MATE 100iC	303		
		ARC MATE 100iC/6L	303		
		ARC MATE 120iC	307		
		ARC MATE 120iC/10L	303		
	Kuka:	KR 5 arc HW	304		
	Motoman:	EA 1400N, MA 1400	300		
		SSA 2000	300		
		EA 1800N, MA 1800	305		
		EA 1900N, MA 1900	300		
	Reis:	RV 20-6 HW	308		

► Variants deviating of the standard fittings on request.

Docking sets REX 3xx
For robotic torches REVO.torch
MIG/MAG

Spare parts and wear parts



	Description	Part name	Part number
1	REVO adapter flange	DIX ADFR 6300	687003300
2	Bearing sleeve	DIX REL 300	687004300
3	Anti twist safeguard	DIX REV 300	687005300
4	REVO adapter flange	DIX ADFR 6302	687003302
5	Anti twist safeguard	DIX REV 302	687005302
6	REVO adapter flange	DIX ADFR 6303	687003303
7	Bearing sleeve	DIX REL 303	687004303
8	Anti twist safeguard	DIX REV 303	687005303
9	REVO adapter flange	DIX ADFR 6304	687003304
10	Bearing sleeve	DIX REL 304	687004304
11	Anti twist safeguard	DIX REV 304	687005304
12	Bearing sleeve	DIX REL 305	687004305
13	Anti twist safeguard	DIX REV 305	687005305
14	Anti twist safeguard	DIX REV 307	687005307
15	REVO adapter flange	DIX ADFR 6308	687003308
16	Bearing sleeve	DIX REL 308	687004308

Measuring sensor set, Contact sets
For robotic and automatic torches MIG/MAG
Torch sets ME(P)T(T)(Z) 310(600), RET(Z) 310(610)

	Description	Part name	Part number
1	Contact set Fitting for robotic and automatic torch sets with sensor function through gas nozzle.	DIX K 150 ME	639153040
2	Contact set Fitting for torch body DIX MEK 300/600 with sensor function through gas nozzle.	DIX K 300/600 MEK	639350008
3	Contact set Fitting for torch bracket DIX MEP 200 with sensor function through gas nozzle.	DIX K 300/600 MEP	639350001
4	Measuring sensor set Fitting for robotic and automatic torch sets with sensor function for welding voltage measurement.	DIX M 150 ME	639153041

▶ All sets only ready-installed.

Contact clamp
For robotic and automatic torch sets ECO.torch MIG/MAG

Application sample

	Description	Part name	Part number
1	Contact clamp Fitting for robotic and automatic torch sets with sensor function through gas nozzle.	DIX K 180 ME	687311011

Adapter flange ADF(D)
For robotic and automatic torches
MIG/MAG, TIG

SAS 100 / 200

Robot

Application sample

	Description	Manufacturer	Robot type	Part name	Part number
1	Flange	ABB	IRB 6	DIX ADF 6012	683116012
	Flange	ABB	IRB 1000	DIX ADF 6012	683116012
	Flange	ABB	IRB 1400	DIX ADF 6012	683116012
	Flange	ABB	IRB 1500	DIX ADF 6012	683116012
	Flange	ABB	IRB 1600	DIX ADF 6012	683116012
	Flange	ABB	IRB 2000	DIX ADF 6012	683116012
	Flange	ABB	IRB 2400/2400L	DIX ADF 6012	683116012
	Flange	ABB	IRB 2500	DIX ADF 6012	683116012
	Flange	ABB	IRB 6400	DIX ADF 6017	683116017
	Flange	ABB	IRB 6400 R	DIX ADF 6017	683116017
	Flange	ABB	IRB 640 M98	DIX ADF 6017	683116017
	Flange	ABB	IRB 2400/10	DIX ADF 6018	683116018
	Flange	ABB	IRB 2400/16	DIX ADF 6018	683116018
	Flange	ABB	IRB 2600	DIX ADF 6018	683116018
	Flange	ABB	IRB 2600-12/1.65	DIX ADF 6018	683116018
	Flange	ABB	IRB 2600-12/1.85	DIX ADF 6018	683116018
	Flange	ABB	IRB 2600-20/1.65	DIX ADF 6018	683116018
	Flange	ABB	IRB 4400 L	DIX ADF 6018	683116018
	Flange	ABB	IRB 4600-20	DIX ADF 6018	683116018
	Flange	ABB	IRB 6640	DIX ADF 6035	683116035
	Flange	ABB	IRB 6600	DIX ADF 6035	683116035
	Flange	ABB	IRB 140	DIX ADF 6042	683116042
	Flange	ABB	IRB 4400	DIX ADF 6086	683116086
	Flange	ABB	IRB 4600-40	DIX ADF 6086	683116086
	Flange	ABB	IRB 4600-45	DIX ADF 6086	683116086
	Flange	ABB	IRB 4600-60	DIX ADF 6086	683116086

Mounting: * D ø 50 mm, ** D ø 25 mm, *** D ø 31.5 mm, **** D ø 63 mm

Adapter flange ADF(D)
For robotic and automatic torches
MIG/MAG, TIG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Cloos	Romat 56	DIX	ADF 6031	683116031
	Flange	Cloos	Romat 75/76	DIX	ADF 6032	683116032
	Flange	Cloos	Romat 310	DIX	ADF 6033	683116033
	Flange	Cloos	Romat 320	DIX	ADF 6033	683116033
	Flange	Cloos	Romat 350	DIX	ADF 6033	683116033
	Flange	Cloos	Romat 410	DIX	ADF 6033	683116033
	Flange	Comau	Smart SIX	DIX	ADF 6042	683116042
	Flange	Comau	Smart S4	DIX	ADF 6221	683116221
	Flange	Comau	Smart NS 12-1.85 ARC	DIX	ADF 6221	683116221
	Flange	Comau	Smart NS 16-1.65 ARC	DIX	ADF 6221	683116221
	Flange	Comau	Smart NM 16-3.1	DIX	ADF 6221	683116221
	Flange	Fanuc	50il	DIX	ADF 6002	683116002
	Flange	Fanuc	LR Mate 200 IC	DIX	ADF 6002	683116002
	Flange	Fanuc	LR Mate 200 iB	DIX	ADF 6002	683116002
	Flange	Fanuc	LR Mate 200 iB/3L	DIX	ADF 6002	683116002
	Flange	Fanuc	ARC Mate 100i	DIX	ADF 6012	683116012
	Flange	Fanuc	120il	DIX	ADF 6012	683116012
	Flange	Fanuc	100	DIX	ADF 6012	683116012
	Flange	Fanuc	RJ2S12	DIX	ADF 6012	683116012
	Flange	Fanuc	M-710iC/20L*	DIX	ADF 6012	683116012
	Flange	Fanuc	S 500 iB*	DIX	ADF 6012	683116012
	Flange	Fanuc	R 2000iA 165 F/R/L	DIX	ADF 6017	683116017
	Flange	Fanuc	R 2000iA 125L	DIX	ADF 6017	683116017
	Flange	Fanuc	ARC Mate 100 iC	DIX	ADF 6024	683116024
	Flange	Fanuc	ARC Mate 100 iC/6L	DIX	ADF 6024	683116024
	Flange	Fanuc	ARC Mate 120 iC	DIX	ADF 6024	683116024
	Flange	Fanuc	ARC Mate 120 iC/10L	DIX	ADF 6024	683116024
	Flange	Fanuc	100 RJ 3 iC	DIX	ADF 6024	683116024
	Flange	Fanuc	M10 iA/10S	DIX	ADF 6024	683116024
	Flange	Fanuc	M20 iA	DIX	ADF 6024	683116024
	Flange	Fanuc	ARC Mate 100 iB	DIX	ADF 6042	683116042
	Flange	Fanuc	ARC Mate 120 iB	DIX	ADF 6042	683116042
	Flange	Fanuc	M-6iB/2 HS	DIX	ADF 6042	683116042
	Flange	Fanuc	M 16 iB	DIX	ADF 6042	683116042
	Flange	Fanuc	100/M-6	DIX	ADF 6042	683116042
	Flange	Fanuc	S500	DIX	ADF 6150	683116150
	Flange	Hitachi	M6100	DIX	ADF 6025	683116025
	Flange	Hitachi	MR 6060	DIX	ADF 6042	683116042
	Flange	Hyundai	HR006/015	DIX	ADF 6028	683116028
	Flange	Hyundai	010L/030L/050	DIX	ADF 6028	683116028

Mounting: * D ø 50 mm, ** D ø 25 mm, *** D ø 31.5 mm, **** D ø 63 mm

Adapter flange ADF(D)
For robotic and automatic torches
MIG/MAG, WIG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Kawasaki	RS 30N	DIX	ADF 6037	683116037
	Flange	Kawasaki	RS 50N	DIX	ADF 6037	683116037
	Flange	Kawasaki	JS 6	DIX	ADF 6042	683116042
	Flange	Kawasaki	JS 10	DIX	ADF 6042	683116042
	Flange	Kawasaki	FA 06 E	DIX	ADF 6042	683116042
	Flange	Kawasaki	RA006L	DIX	ADF 6042	683116042
	Flange	Kawasaki	RA006LFE40	DIX	ADF 6042	683116042
	Flange	Kawasaki	FA 10 L	DIX	ADF 6221	683116221
	Flange	Kawasaki	RS 20N	DIX	ADF 6221	683116221
	Flange	Kuka	KR 5 R1400	DIX	ADF 6002	683116002
	Flange	Kuka	KR 16-2* For in-line wrist 6 kg	DIX	ADF 6012	683116012
	Flange	Kuka	KR 16 arc HW	DIX	ADF 6026	683116026
	Flange	Kuka	KR 5	DIX	ADF 6029	683116029
	Flange	Kuka	KR 5 ARC HW	DIX	ADF 6029	683116029
	Flange	Kuka	KR 16 L8 arc HW	DIX	ADF 6029	683116029
	Flange	Kuka	KR 5 ARC	DIX	ADF 6042	683116042
	Flange	Kuka	KR 6 ARC	DIX	ADF 6042	683116042
	Flange	Kuka	KR 16-L6 ARC	DIX	ADF 6042	683116042
	Flange	Kuka	KR 6	DIX	ADF 6042	683116042
	Flange	Kuka	KR 16-2** For in-line wrist 6 kg	DIX	ADF 6042	683116042
	Flange	Kuka	KR 16-2**** For in-line wrist 16 kg	DIX	ADF 6084	683116084
	Flange	Kuka	KR 6-2	DIX	ADF 6084	683116084
	Flange	Kuka	KR 15-2	DIX	ADF 6084	683116084
	Flange	Kuka	KR 16	DIX	ADF 6084	683116084
	Flange	Kuka	KR 16 L	DIX	ADF 6084	683116084
	Flange	Kuka	KR 30L16	DIX	ADF 6084	683116084
	Flange	Kuka	KR IR 364/8	DIX	ADF 6084	683116084
	Flange	Kuka	KR 125-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 125 L90-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 125 L 100-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 150-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 150 L 110-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 150 L 130-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 180-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 180 L150-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 180 L130-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 210-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 210 L180-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 210 L150-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 210 R3100 ultra	DIX	ADF 6085	683116085
	Flange	Kuka	KR 240-2	DIX	ADF 6085	683116085

Mounting: * D ø 50 mm, ** D ø 25 mm, *** D ø 31.5 mm, **** D ø 63 mm

Adapter flange ADF(D)
For robotic and automatic torches
MIG/MAG, WIG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Kuka	KR 240 L210-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 240 L180-2	DIX	ADF 6085	683116085
	Flange	Kuka	KR 240 R2900 ultra	DIX	ADF 6085	683116085
	Flange	Kuka	KR 270 R2700 ultra	DIX	ADF 6085	683116085
	Flange	Kuka	KR 300 R2500 ultra	DIX	ADF 6085	683116085
	Flange	Kuka	KR 30/2	DIX	ADF 6086	683116086
	Flange	Kuka	KR 30-3	DIX	ADF 6086	683116086
	Flange	Kuka	KR 60-3	DIX	ADF 6086	683116086
	Flange	Kuka	KR 30 HA	DIX	ADF 6086	683116086
	Flange	Kuka	KR 60 HA	DIX	ADF 6086	683116086
	Flange	Kuka	KR 60 L45-3	DIX	ADF 6086	683116086
	Flange	Kuka	KR 60 L30-3	DIX	ADF 6086	683116086
	Flange	Kuka	KR 60 L45 HA	DIX	ADF 6086	683116086
	Flange	Kuka	KR 60 L30 HA	DIX	ADF 6086	683116086
	Flange	Kuka	KR 16/2*** For in-line wrist 16 kg	DIX	ADF 6103	683116103
	Flange	Manutec	R3	DIX	ADF 6070	683116070
	Flange	Manutec	R15	DIX	ADF 6070	683116070
	Flange	Manutec	R15 D	DIX	ADF 6070	683116070
	Flange	Mitsubishi	RV 12 S	DIX	ADF 6042	683116042
	Flange	Mitsubishi	RV 12 SL	DIX	ADF 6042	683116042
	Flange	OTC	V 01	DIX	ADF 6012	683116012
	Flange	OTC	V 6	DIX	ADF 6012	683116012
	Flange	OTC	V 10	DIX	ADF 6012	683116012
	Flange	OTC	AX M H3	DIX	ADF 6012	683116012
	Flange	OTC	V 6L	DIX	ADF 6012	683116012
	Flange	OTC	AX V6	DIX	ADF 6012	683116012
	Flange	OTC	A2 V6	DIX	ADF 6012	683116012
	Flange	OTC	IRB 471	DIX	ADF 6089	683116089
	Flange	OTC	G01 SAF	DIX	ADF 6094	683116094
	Flange	OTC	6800/IRB 481	DIX	ADF 6094	683116094
	Flange	Panasonic	AW 550	DIX	ADF 6160	683116160
	Flange	Panasonic	AW 0660	DIX	ADF 6160	683116160
	Flange	Panasonic	AW 8010	DIX	ADF 6160	683116160
	Flange	Panasonic	VR 006AL 1; 2	DIX	ADF 6161	683116161
	Flange	Panasonic	VR 008	DIX	ADF 6161	683116161
	Flange	Panasonic	TA 1600	DIX	ADF 6161	683116161
	Flange	Panasonic	TA 1800	DIX	ADF 6161	683116161
	Flange	Panasonic	TA 1400	DIX	ADF 6161	683116161
	Flange	Panasonic	TB 1800	DIX	ADF 6161	683116161

Mounting: * D ø 50 mm, ** D ø 25 mm, *** D ø 31.5 mm, **** D ø 63 mm

Adapter flange ADF(D)
For robotic and automatic torches
MIG/MAG, TIG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Panasonic	TL 2000	DIX	ADF 6161	683116161
	Flange	Panasonic	TM 1100	DIX	ADFD 6312	683136312
	Flange	Panasonic	TM 1400	DIX	ADFD 6312	683136312
	Flange	Panasonic	TM 1800	DIX	ADFD 6312	683136312
	Flange	Reis	RV40	DIX	ADF 6086	683116086
	Flange	Reis	RV40S	DIX	ADF 6086	683116086
	Flange	Reis	RV40XL	DIX	ADF 6086	683116086
	Flange	Reis	RVL40	DIX	ADF 6086	683116086
	Flange	Reis	RV60	DIX	ADF 6086	683116086
	Flange	Reis	RVL60	DIX	ADF 6086	683116086
	Flange	Reis	RV60L	DIX	ADF 6086	683116086
	Flange	Reis	RVL60L	DIX	ADF 6086	683116086
	Flange	Reis	RV60LS	DIX	ADF 6086	683116086
	Flange	Reis	RH40	DIX	ADF 6086	683116086
	Flange	Reis	RP40	DIX	ADF 6086	683116086
	Flange	Reis	RP80	DIX	ADF 6086	683116086
	Flange	Reis	RP150	DIX	ADF 6086	683116086
	Flange	Reis	RL50-A4NC	DIX	ADF 6086	683116086
	Flange	Reis	RL50-A5NC	DIX	ADF 6086	683116086
	Flange	Reis	RL80-A4NC	DIX	ADF 6086	683116086
	Flange	Reis	RL80-A5NC	DIX	ADF 6086	683116086
	Flange	Reis	RL80-A5NC+A6NC	DIX	ADF 6086	683116086
	Flange	Reis	RL130-A5NC+A6NC	DIX	ADF 6086	683116086
	Flange	Reis	RV 6	DIX	ADF 6103	683116103
	Flange	Reis	RV 6L	DIX	ADF 6103	683116103
	Flange	Reis	RV 10-6	DIX	ADF 6103	683116103
	Flange	Reis	RV 20-6	DIX	ADF 6103	683116103
	Flange	Reis	SRV 6L	DIX	ADF 6103	683116103
	Flange	Reis	RV20-6HW	DIX	ADF 6106	683116106
	Flange	Reis	RV20-10HW	DIX	ADF 6106	683116106
	Flange	Reis	RV30-10HW	DIX	ADF 6106	683116106
	Flange	Reis	RV 12	DIX	ADF 6221	683116221
	Flange	Reis	RV 12L	DIX	ADF 6221	683116221
	Flange	Reis	RV 15	DIX	ADF 6221	683116221
	Flange	Reis	RV 16	DIX	ADF 6221	683116221
	Flange	Reis	RV 20-16	DIX	ADF 6221	683116221
	Flange	Reis	RV 30-16	DIX	ADF 6221	683116221
	Flange	SEF	SR25/A2	DIX	ADF 6221	683116221

Mounting: * D ø 50 mm, ** D ø 25 mm, *** D ø 31.5 mm, **** D ø 63 mm

Adapter flange ADF(D)
For robotic and automatic torches
MIG/MAG, TIG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Stäubli	TX 60	DIX	ADF 6002	683116002
	Flange	Stäubli	TX 60L	DIX	ADF 6002	683116002
	Flange	Stäubli	TX 90	DIX	ADF 6103	683116103
	Flange	Stäubli	TX 90L	DIX	ADF 6103	683116103
	Flange	Stäubli	TX 90XL	DIX	ADF 6103	683116103
	Flange	Universal	UR-10	DIX	ADF 6103	683116103
	Flange	Yaskawa Motoman	HP 3 C	DIX	ADF 6002	683116002
	Flange	Yaskawa Motoman	HP 3 J	DIX	ADF 6002	683116002
	Flange	Yaskawa Motoman	HP 5	DIX	ADF 6002	683116002
	Flange	Yaskawa Motoman	MH 5	DIX	ADF 6002	683116002
	Flange	Yaskawa Motoman	ES 165	DIX	ADF 6036	683116036
	Flange	Yaskawa Motoman	L 106	DIX	ADF 6040	683116040
	Flange	Yaskawa Motoman	YRFL-NN D10G	DIX	ADF 6040	683116040
	Flange	Yaskawa Motoman	K 6S	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	K 10S	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	K 205S	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	SRC 6	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	JS 6	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	3S 10	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	SK 6	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	SK 10	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	SK 16	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	HP20/UP 20	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	HP 6 UP 6	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	YRUP 20-A00	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	YRUP 50N-A00	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	MH6	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	MH50-20	DIX	ADF 6042	683116042
	Flange	Yaskawa Motoman	Bore pattern 35° rotated	DIX	ADF 6042/1	6831160421
	Flange	Yaskawa Motoman	EA 1400N	DIX	ADF 6047	683116047
	Flange	Yaskawa Motoman	EA 1900N	DIX	ADF 6047	683116047
	Flange	Yaskawa Motoman	MA 1400	DIX	ADF 6047	683116047
	Flange	Yaskawa Motoman	MA 1900	DIX	ADF 6047	683116047
	Flange	Yaskawa Motoman	MA 3100	DIX	ADF 6047	683116047
	Flange	Yaskawa Motoman	DX 100	DIX	ADF 6047	683116047

Other flanges on request.

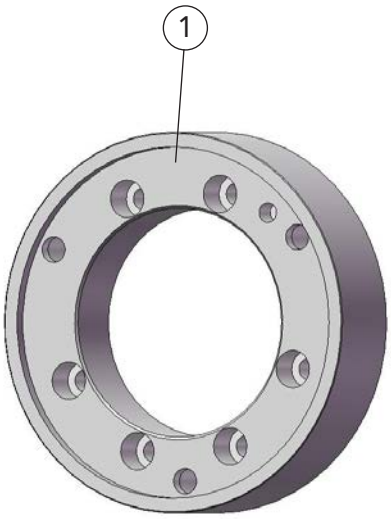
Mounting: * D ø 50 mm, ** D ø 25 mm, *** D ø 31.5 mm, **** D ø 63 mm

Adapter flange ADFR

For robotic and automatic torches REVO.torch, LITE.torch MIG/MAG

Rotary interface,
RET 300 (L)
RETZ 600 (L)

LITE.torch
RET 360
RETZ 660



Application sample

Robot

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	ABB	IRB 1520 ID	DIX	ADFR 6302	687003302
	Flange	ABB	IRB 1600 ID	DIX	ADFR 6302	687003302
	Flange	ABB	IRB 2600 ID 15/1.85	DIX	ADFR 6311	687003311
	Flange	ABB	IRB 2600 ID 8/2.00	DIX	ADFR 6311	687003311
	Flange	Fanuc	ARC Mate 100iC	DIX	ADFR 6303	687003303
	Flange	Fanuc	ARC Mate 100iC/6L	DIX	ADFR 6303	687003303
	Flange	Fanuc	ARC Mate 120iC	DIX	ADFR 6303	687003303
	Flange	Fanuc	ARC Mate 120iC/10L	DIX	ADFR 6303	687003303
	Flange	Fanuc	M 20 iA	DIX	ADFR 6303	687003303
	Flange	Fanuc	M 10 iA	DIX	ADFR 6303	687003303
	Flange	Fanuc	ARC Mate 100iB For solution arm	DIX	ADFR 6310	687003310
	Flange	Fanuc	ARC Mate 100iBe For solution arm	DIX	ADFR 6310	687003310
	Flange	Fanuc	ARC Mate 120iB For solution arm	DIX	ADFR 6310	687003310
	Flange	Fanuc	ARC Mate 120iBe For solution arm	DIX	ADFR 6310	687003310
	Flange	Kuka	KR 5 arc HW	DIX	ADFR 6304	687003304
	Flange	Kuka	KR 16 L8 arc HW	DIX	ADFR 6304	687003304

Adapter flange ADFR
For robotic and automatic torches REVO.torch, LITE.torch MIG/MAG

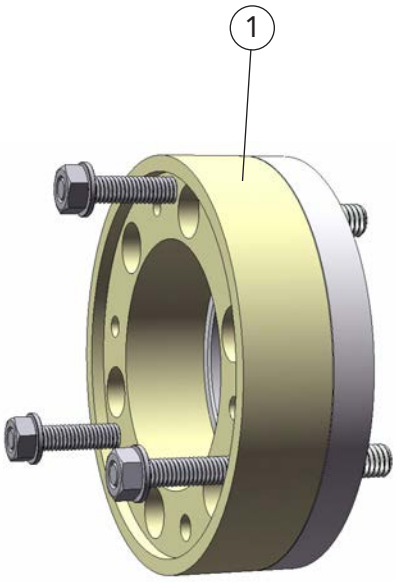
	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Yaskawa Motoman	EA 1400 N	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	EA 1800 N	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	EA 1900 N	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	MA 1400	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	VA 1400	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	SSA 2000	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	MA 1550	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	MA 3100	DIX	ADFR 6300	687003300
	Flange	Yaskawa Motoman	MA 1440	DIX	ADFR 6303	687003303
	Flange	Yaskawa Motoman	MA 2010	DIX	ADFR 6303	687003303
	Flange	Yaskawa Motoman	MA 3120	DIX	ADFR 6303	687003303
	Flange	OTC Daihen	AX-V4 AP	DIX	ADFR 6301	687003301
	Flange	OTC Daihen	AX-V4 LAP	DIX	ADFR 6301	687003301
	Flange	OTC Daihen	AII-B4	DIX	ADFR 6306	687003306
	Flange	OTC Daihen	AII-B4L	DIX	ADFR 6306	687003306
	Flange	OTC Daihen	FD-B4 Bore pattern 45° rotated	DIX	ADFR 6306/1	6870033061
	Flange	OTC Daihen	FD-B4L Bore pattern 45° rotated	DIX	ADFR 6306/1	6870033061
	Flange	Panasonic	TB 1800	DIX	ADFR 6309	687003309
	Flange	Panasonic	TM 1100	DIX	ADFR 6312	687003412
	Flange	Panasonic	TM 1400	DIX	ADFR 6312	687003412
	Flange	Panasonic	TM 1800	DIX	ADFR 6312	687003412
	Flange	Reis	RV20-6HW	DIX	ADFR 6308	687003308
	Flange	Reis	RV20-10HW	DIX	ADFR 6308	687003308
	Flange	Reis	RV30-10HW	DIX	ADFR 6308	687003308

▶ Other flanges on request.

Adapter flange ADFRD
For robotic and automatic torches ECO.torch MIG/MAG

Rotary interface,
RET 341
RETZ 641

RET 360 + ADH 6600
RETZ 660 + ADH 6600



Application sample

Robot

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	ABB	IRB 1520 ID	DIX	ADFRD 6302	687003402
	Flange	ABB	IRB 1600 ID	DIX	ADFRD 6302	687003402
	Flange	ABB	IRB 2600 ID 15/1.85	DIX	ADFRD 6311	687003411
	Flange	ABB	IRB 2600 ID 8/2.0	DIX	ADFRD 6311	687003411
	Flange	Fanuc	ARC Mate 100iC	DIX	ADFRD 6303	687003403
	Flange	Fanuc	ARC Mate 100iC/6L	DIX	ADFRD 6303	687003403
	Flange	Fanuc	ARC Mate 120iC	DIX	ADFRD 6303	687003403
	Flange	Fanuc	ARC Mate 120iC/10L	DIX	ADFRD 6303	687003403
	Flange	Fanuc	710iC/12L (HW)	DIX	ADFRD 6303	687003403
	Flange	Fanuc	M 20 iA	DIX	ADFRD 6303	687003403
	Flange	Fanuc	M 10 iA	DIX	ADFRD 6303	687003403
	Flange	Kuka	KR 5 arc HW	DIX	ADFRD 6304	687003404
	Flange	Kuka	KR 16 L8 arc HW	DIX	ADFRD 6304	687003404
	Flange	Kuka	KR 16 arc HW	DIX	ADFRD 6305	687003405
	Flange	Kawasaki	BA006N	DIX	ADFRD 6313	687003413

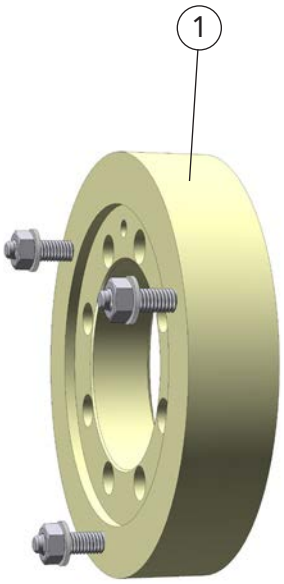
Adapter flange ADFRD
For robotic and automatic torches ECO.torch MIG/MAG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Yaskawa Motoman	EA 1400 N	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	EA 1800 N	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	EA 1900 N	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	MA 1400	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	VA 1400	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	SSA 2000	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	MA 1550	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	MA 1900	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	MA 3100	DIX	ADFRD 6300	687003400
	Flange	Yaskawa Motoman	MA 1440	DIX	ADFRD 6303	687003403
	Flange	Yaskawa Motoman	MA 2010	DIX	ADFRD 6303	687003403
	Flange	Yaskawa Motoman	MA 3120	DIX	ADFRD 6303	687003403
	Flange	OTC Daihen	All-B4	DIX	ADFRD 6306	687003406
	Flange	OTC Daihen	All-B4L	DIX	ADFRD 6306	687003406
	Flange	OTC Daihen	FD-B4 Bore pattern 45° rotated	DIX	ADFRD 6306/1	6870034061
	Flange	OTC Daihen	FD-B4L Bore pattern 45° rotated	DIX	ADFRD 6306/1	6870034061
	Flange	Panasonic	TM 1100	DIX	ADFRD 6312	687003412
	Flange	Panasonic	TM 1400	DIX	ADFRD 6312	687003412
	Flange	Panasonic	TM 1800	DIX	ADFRD 6312	687003412
	Flange	Reis	RV20-6HW	DIX	ADFRD 6308	687003408
	Flange	Reis	RV20-10HW	DIX	ADFRD 6308	687003408
	Flange	Reis	RV30-10HW	DIX	ADFRD 6308	687003408

► Other flanges on request.

Adapter flange ADFL

For robotic and automatic torches LITE.torch RET(Z) 361 (661) MIG/MAG



Application sample

Rotary interface

Robot

	Description	Manufacturer	Robot type	Part name	Part number
1	Flange	ABB	IRB 1520 ID	DIX ADFL 6302	687003502
	Flange	ABB	IRB 1600 ID	DIX ADFL 6302	687003502
	Flange	ABB	IRB 2600 ID 8/2.00	DIX ADFL 6311	687003511
	Flange	ABB	IRB 2600 ID 15/1.85	DIX ADFL 6311	687003511
	Flange	Fanuc	ARC Mate 100iC	DIX ADFL 6303	687003503
	Flange	Fanuc	ARC Mate 100iC/6L	DIX ADFL 6303	687003503
	Flange	Fanuc	ARC Mate 100iC/7L	DIX ADFL 6303	687003503
	Flange	Fanuc	ARC Mate 120iC	DIX ADFL 6303	687003503
	Flange	Fanuc	ARC Mate 120iC/10L	DIX ADFL 6303	687003503
	Flange	Fanuc	ARC Mate 120iC/12L	DIX ADFL 6303	687003503
	Flange	Fanuc	710iC/12L (HW)	DIX ADFL 6303	687003503
	Flange	Fanuc	M 20 iA	DIX ADFL 6303	687003503
	Flange	Fanuc	M 10 iA	DIX ADFL 6303	687003503
	Flange	Kawasaki	BA006N	DIX ADFL 6313	687003513

Adapter flange ADFL
For robotic and automatic torches LITE.torch RET(Z) 361 (661) MIG/MAG

	Description	Manufacturer	Robot type	Part name		Part number
1	Flange	Yaskawa Motoman	EA 1400 N	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	MA 1400	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	VA 1400	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	EA 1800 N	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	EA 1900 N	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	MA 1900	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	SSA 2000	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	MA 1550	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	MA 3100	DIX	ADFL 6300	687003500
	Flange	Yaskawa Motoman	MA 1440	DIX	ADFL 6303	687003503
	Flange	Yaskawa Motoman	MA 2010	DIX	ADFL 6303	687003503
	Flange	Yaskawa Motoman	MA 3120	DIX	ADFL 6303	687003503

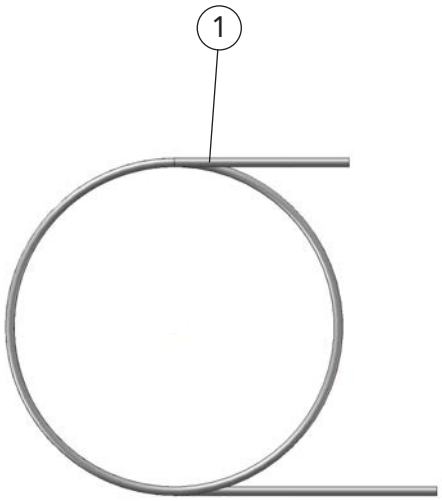
System holder for supply hose
For manuall, robotic and automatic torches MIG/MAG, TIG, LASER

	Description	Diameter nominal	Dimension (W/H/D in mm)	Part name	Part number
1	Holder	DN 29	71.6/49.5/30	DIX VLH 29	62923550413
	Fixing for cover hose set DIX VL 230-_ _				
	Holder	DN 36	88.6/61.6/30	DIX VLH 36	62923550313
	Fixing for intermediate hose package DIX ZSR 70-_ _, DIX ZSZR 70-_ _, DIX WFL-400/550-_ _ and VSD package DIX WFL-S-_ _				
	Holder	DN 48	88.6/72.5/30	DIX VLH 48	62923550213
	Fixing for intermediate hose package DIX ZSZR 95-_ _ and VSD package DIX WFL-S-_ _, DIX WFL-SE-_ _				

_ _ Enter the desired length of the cover hose set, intermediate hose package or VSD package. Please ask your DINSE consultant.

▶ Mounting parts and other nominal diameters on request

Liner
For manuall, robotic and automatic torches MIG/MAG, TIG, LASER

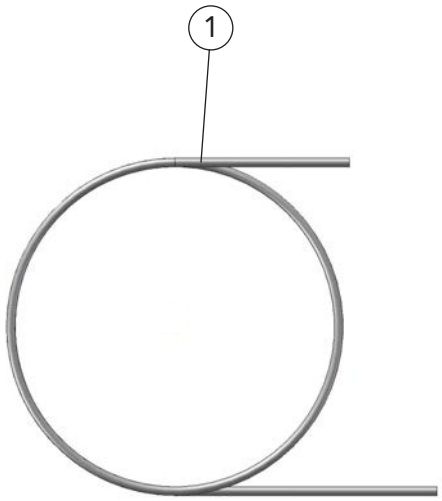


Liner for wire electrodes of non- and low alloyed steels

	Description	Dimension I_D/length/color	Part name	Part number
1	Liner For wire diameter 0.8 mm	ø 1.5 mm / 50 m brass	DIX DS 4/1.5-50	613000100
	Liner For wire diameter 1.0 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 1.8 mm / 50 m brass	DIX DS 4/1.8-50	613000200
	Liner For wire diameter 1.2 mm (PUSH-PUSH/PULL wire diameter 1.0 mm)	ø 2.2 mm / 50 m brass	DIX DS 4/2.2-50	623000300
	Liner For wire diameter 1.4 mm (PUSH-PUSH/PULL wire diameter 1.2 mm)	ø 2.4 mm / 50 m brass	DIX DS 4/2.4-50	623000400
	Liner For wire diameter 1.6 mm (PUSH-PUSH/PULL wire diameter 1.2 mm)	ø 2.9 mm / 50 m brass	DIX DS 4/2.9-50	623001500

➤ Liner for other wire diameters on request.

Capillary liner
For manuall, robotic and automatic torches MIG/MAG, TIG, LASER



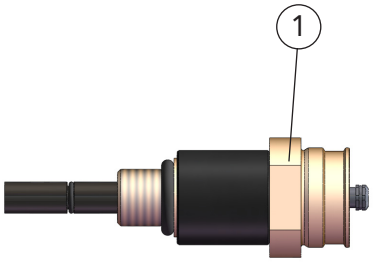
Capillary liner for wire electrodes of high alloyed steels, copper-, aluminium-, magnesium- and nickel alloys

	Description	Dimension I_D/length/color	Part name	Part number
1	Capillary liner For wire diameter 0.8 mm	ø 1.65 mm / 100 m orange	DIX DSK 1-100	613002000
	Capillary liner For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.25 mm / 100 m turquoise	DIX DSK 2-100	623002000
	Capillary liner For wire diameter 1.6 mm (PUSH-PUSH/PULL wire diameter 1.2 mm)	ø 2.95 mm / 100 m red	DIX DSK 3-100	623002500
	Capillary liner for special use with high - temperature applications			
	Capillary liner For wire diameter 0.8 mm	ø 1.5 mm / 100 m black / orange	DIX DST 1-100	613001000
	Capillary liner For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.2 mm / 100 m black / green	DIX DST 2-100	623001000
	Capillary liner for special use with high - abrasive applications			
	Capillary liner For wire diameter 1.0 and 1.2 mm (PUSH-PUSH/PULL wire diameter 0.8 mm)	ø 2.3 mm / 100 m grey	DIX DSS 2-100	623003000
	Distance sleeve (without picture)		DIX DSH 300	628100001

▶ Capillary liner for other wire diameters on request.

Power pin PP 1xx
For manual, automation, ECO.torch., LITE.torch, REVO.torch MIG/MAG

Only for plugs with N (neutral) connection.



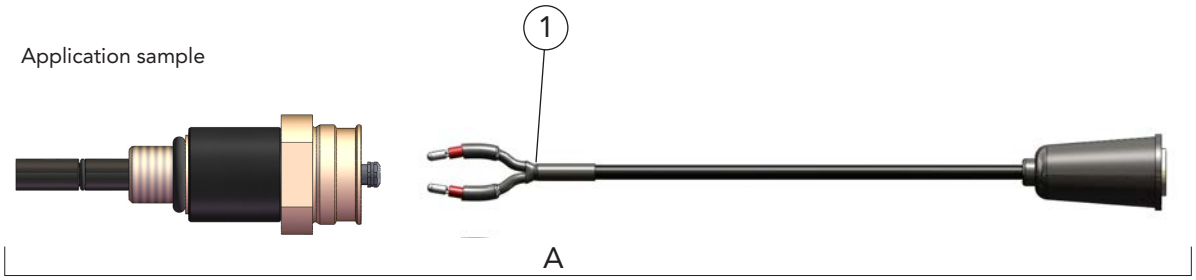
Application sample

INFO **Information to the plugs for power pin / power pin sets you will find in chapter Manual and Automation or ask your DINSE consultant.**

	Descripton	Manufacturer	Wire feeder type	Part name	Part number
1	Power pin	Fronius	VR 5000 rob/PAP	DIX PP 108	639118009
	Power pin	Kemppi	DT 410(L)	DIX PP 114	639118016
	Power pin	Lincoln	Auto Drive 4R90	DIX PP 109	639118010
	Power pin	Lincoln	Auto Drive 4R100	DIX PP 109	639118010
	Power pin	Lincoln	Auto Drive 4R220	DIX PP 109	639118010
	Power pin	Miller	Axcess Feeder 60 Series	DIX PP 102	639118003
	Power pin	Miller	Axcess Feeder 70 Series	DIX PP 102	639118003
	Power pin	OTC	AF-4001	DIX PP 113	639118015
	Power pin	OTC	AFA-4001	DIX PP 113	639118015
	Power pin	OTC	AFT-4201	DIX PP 113	639118015
	Power pin	OTC	AFU-4201	DIX PP 113	639118015
	Power pin	Panasonic	Gun Slinger 260 standard	DIX PP 104	639118005
	Power pin	Tweco #4		DIX PP 103	639118004

▶ Other power pins on request.

Power pin sets PPS 1xx
For manual
MIG/MAG



Information to the plugs for power pin / power pin sets you will find in chapter Manual and Automation or ask your DINSE consultant.

	Description	Part name	Part number
A	Power pin set For Lincoln LN7	DIX PPS 101	639120001
	Power pin set For Miller 60er Serie, 70er Serie	DIX PPS 102	639120002
	Power pin set For Lincoln 4R90, 4R100, 4R220	DIX PPS 103	639120003
1	Power pin cabel For Lincoln	DIX PPC 101	639119001
	Power pin cabel For Miller	DIX PPC 102	639119002
	Power pin cabel Without plug	DIX PPC 103	639119003

- Other power pin sets on request.

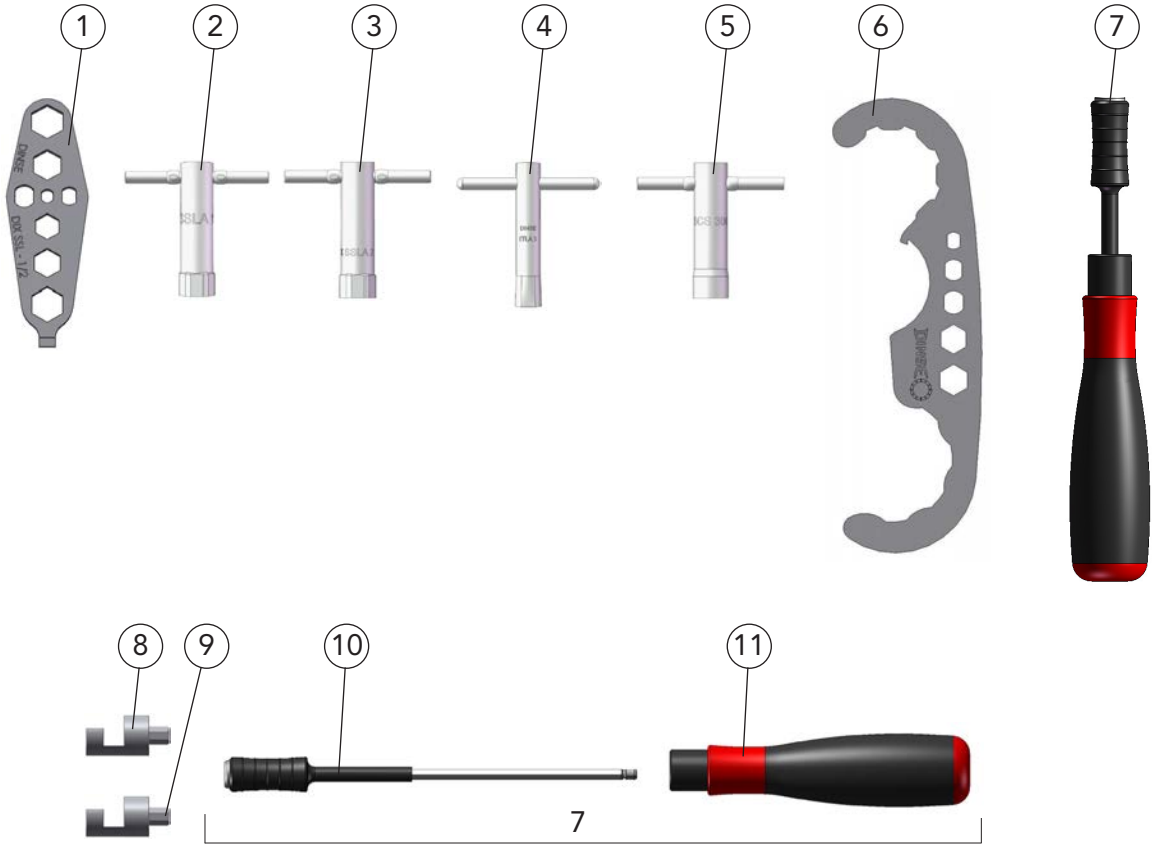
Tools and accessories 05

Contents

Tools and Measuring units

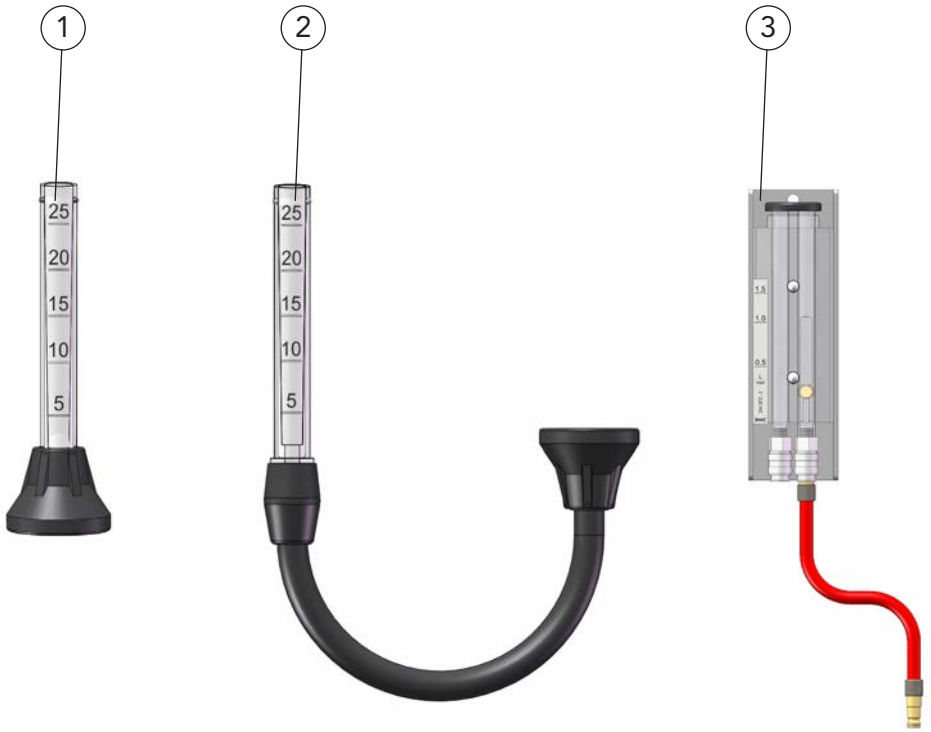
Service tools	gas/liquid		26
Digital Tacho Control Wire measuring unit	gas/liquid	DTC 100	28

Service tools
For manual, robotic and automatic torches MIG/MAG, TIG, LASER



	Description	Part name	Part number
1	Special spanner For tighten M6 / M8 contact tips and tip adapters	DIX SSL 1/2	628010012
2	Socket spanner For tighten contact tips DIX 3-1-xx SR and clamp nut DIX 4-1-MAS	DIX SSLA 1	618010005
3	Socket spanner For tighten contact tips DIX 3-2-xx SR and clamp nut DIX 4-2-MAS	DIX SSLA 2	628010005
4	Socket spanner For tighten contact tips DIX 3-2-xx M8	DIX STLA 3 M8	6380101080
5	Socket spanner For tighten contact tips DIX 3-1-xx SR and center clamp nut DIX CS 300	DIX SCS 300	638010003
6	Hook spanner For tighten the MIG/MAG, TIG robotic, torch heads and automatic torch sets DIX METT(Z) 310(600) and DIX MEPTT(Z) 310(600)	DIX SLAT 4	6380160001
7	Torque wrench For tighten contact tips (without torque bit)	DIX DMS 100	638400002
	Spare parts and wear parts		
8	Torque bit	DIX DMB 100-M6	638400003
9	Torque bit	DIX DMB 100-M8	638400005
10	Torque extension	DIX DMV 100	638400004
11	Torque transmitter For tighten contact tips	DIX DMG 100-1.1 Nm	638400001

Service tools
For manual, robotic and automatic torches
MIG/MAG, TIG, LASER



	Description	Part name	Part number
1	Gas flow meter For manual welding torches	DIX GMM 2	628080000
2	Gas flow meter For robotic and automatic torches	DIX GMA 2	628080005
3	Flow meter For measuring coolant flow of liquid cooling units.	DIX DFZ 2	628091000

gas/liquid

Digital Tacho Control
Wire measuring unit
MIG/MAG, TIG, LASER

Technical data:	
Digital Tacho Control	**DTC 100**
m/min	0.10-1999
ft/min	0.40-6550
in/min	4.00-78700
m/sec	0.10-33.30
ft/sec	0.10-109
m	0.00-99999
ft	0.00-99999
in	0.00-99999
Speed:	0,10-19999 U/min
Measurement precision:	± 0.02 % / ± 1 digit U/min
Maximum ambient temperature	- 20-70° C
Automatic shut-off after 30 sec	

Advantage

- Quality control in welding production
- Tool for creating and documenting welding procedure specifications (WPS) and welding procedure qualification (WPAR)
- Calculation of wire consumption at the welding production
- Important tool at the welder training and carrying out of welding experiments
- Evidence at the calibration of welding equipment

Properties

- Calibration certificate for DIN EN ISO 9001:2000
- Detecting of rotation speed, wire speed, distance measurement, welding speed and amount of wire
- Optical measuring with light or mechanical measuring with adapter

Description	Part name	Part number
Digital Tacho Control	DIX DTC 100	718163100

Contents

Checking jigs

Checking and aligning system For standard torch heads	gas/liquid	PV 100	30
Checking and aligning system For standard torch heads	gas/liquid	PV 150	34
Checking jig For welding torch systems	gas/liquid	PV 200	38
Checking jig For welding torch systems	gas/liquid	PV 250	40

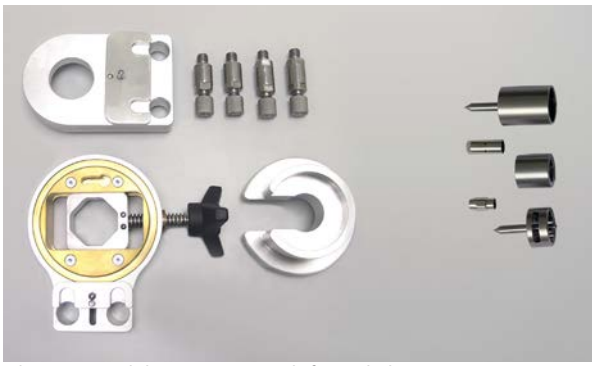
Checking and aligning system for standard torch heads
For robotic and automatic components
MIG/MAG

Technical data:	
Checking jig	**PV 100**
Aligning modul	**JM 100**
Aligning sets (for standard torch heads)	**JS 350/520** **JS 540** **JS 560** **JS 570**

Checking jig DIX PV 100

Advantage

- Precise checking jig for position control of the TCP, made of an high grade aluminium alloy for a long lifetime
- Aligning and checking of the standard torch heads concerning parallelism and center of contact tip
- Bore pattern in the checking jig with standard positions for torch heads, (0°, 22°, 45°)
- Aligning module to re-aligning the inner and outer parts of the torch head separately.



Aligning module DIX JM 100 (left) and aligning set DIX JS 350/520 (right)

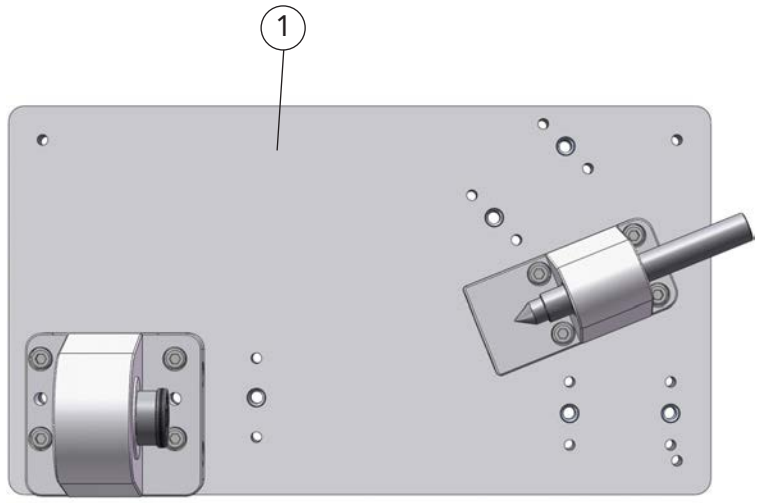
Application

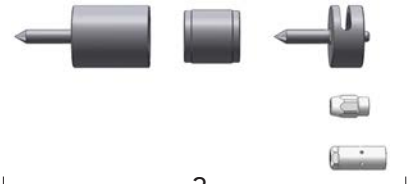
- For DINSE standard torch heads
  gas cooled
  DIX MET 350/352/354
  liquid cooled
  DIX METZ 520/522/524
  DIX METZ 540/542/544
  DIX METZ 560/562/564
  DIX METZ 570/572/574

Checking jig with torch head and aligning module (application sample)

- Quality assurance in welding production

Checking and aligning system for standard torch heads
For robotic and automatic components
MIG/MAG



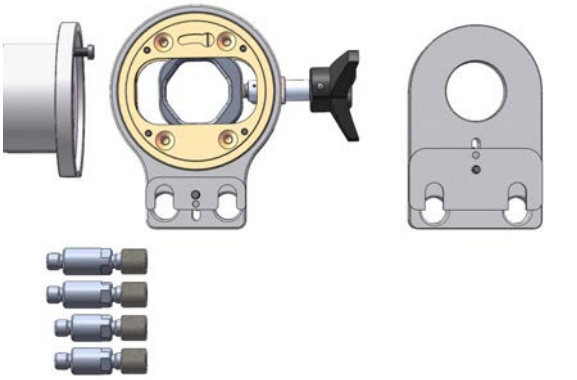


3

4

5

6



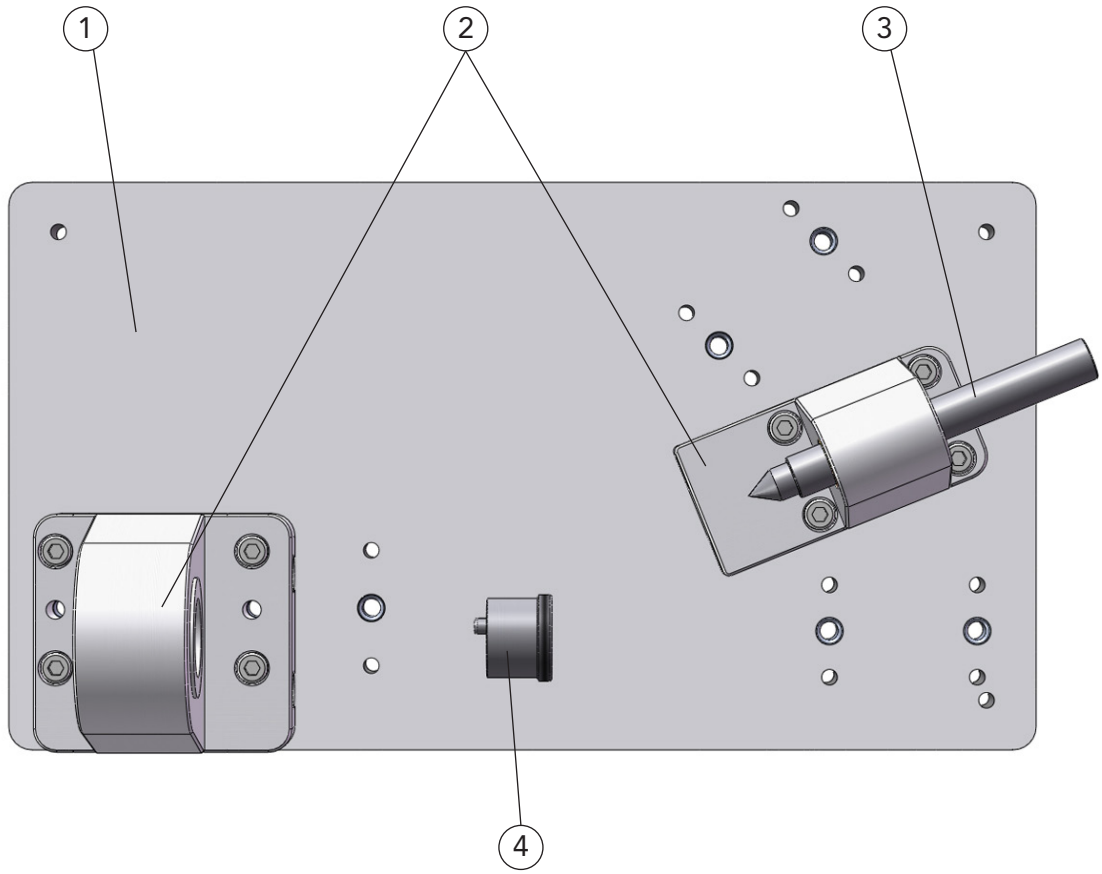
2

	Description	Part name	Part number
1	Checking jig, compl. With torch adapter DIX PVP 100, support set DIX PVS 100 and set up pins DIX PVL 106, DIX PVL 108	DIX PV 100	685300101
2	Aligning module, compl.	DIX JM 100	685305100
3	Aligning set, 350/520	DIX JS 350/520	685305200
4	Aligning set, 540	DIX JS 540	685305210
5	Aligning set, 560	DIX JS 560	685305220
6	Aligning set, 570	DIX JS 570	685305250

► Variants deviating of the standard fittings on request.

Checking jig PV 100
Checking and aligning system for standard torch heads MIG/MAG

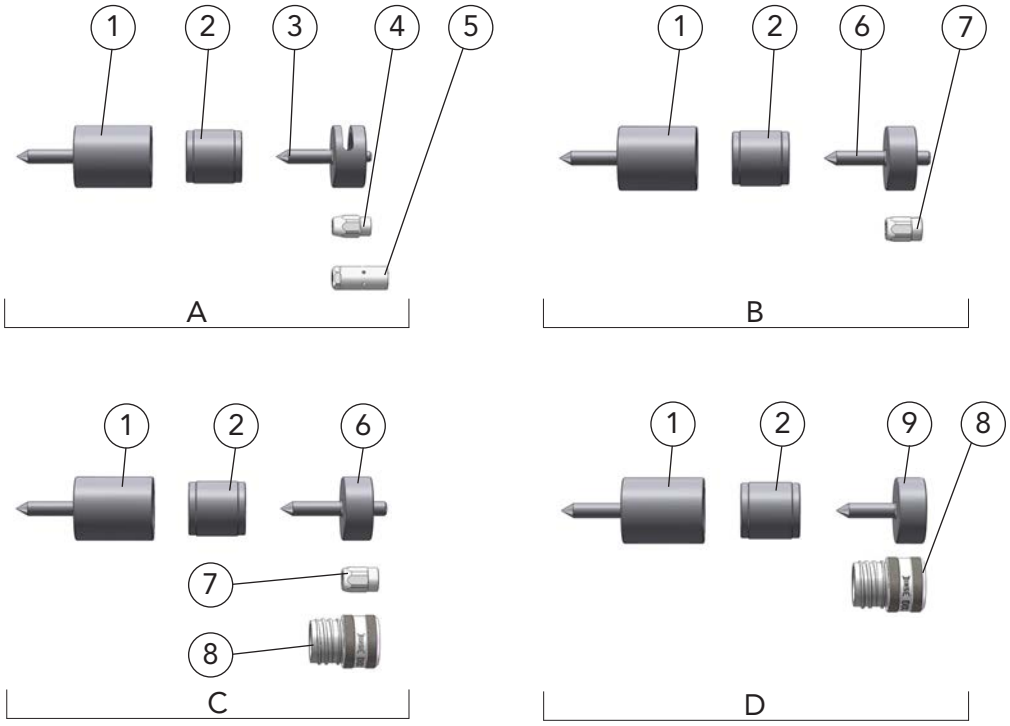
Spare parts and wear parts



	Description	Part name	Part number
1	Base plate	DIX PVB 100	685301101
2	Support set Fixing and gauge support	DIX PVS 100	685302105
3	Set up pin For contact tips with outside diameter: 6 mm	DIX PVL 106	685302115
	Set up pin For contact tips with outside diameter: 8 mm	DIX PVL 108	685302114
4	Torch adapter	DIX PVP 100	685303112

Aligning moduls JS 350/520, 540, 560, 570
Checking and aligning system for standard torch heads
MIG/MAG

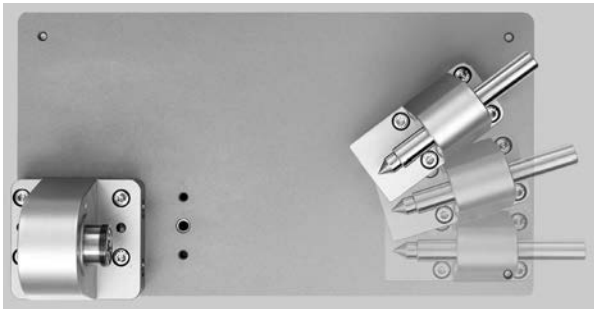
Spare parts and wear parts



	Description	Part name	Part number
A	Aligning set	DIX JS 350/520	685305200
B	Aligning set	DIX JS 540	685305210
C	Aligning set	DIX JS 560	685305220
D	Aligning set	DIX JS 570	685305250
1	Aligning cylinder	DIX JSZ 104	685305201
2	Aligning adapter	DIX JSA 100	685305211
3	Aligning gauge	DIX JSL 106	685305221
4	Clamp nut	DIX 4-1-MAS	6390452000
5	Centering socket	DIX CS 300	6390433000
6	Aligning gauge	DIX JSL 108	685305222
7	Clamp nut	DIX 4-2-MAS	6390454000
8	Screw adapter	DIX SAD 2-404/540	628140000
9	Aligning gauge	DIX JSL 109 M8	685305224

Checking and aligning system for standard torch heads
For robotic and automatic components
MIG/MAG

Technical data:	
Checking jig	**PV 150**
Aligning modul	**JM 100**
Aligning sets (for standard torch heads)	**JS 390/590**



Checking jig DIX PV 150

Advantage

- Precise checking jig for position control of the TCP, made of an high grade aluminium alloy for a long lifetime
- Aligning and checking of the standard torch heads concerning parallelism and center of contact tip
- Bore pattern in the checking jig with standard positions for torch heads, (0°, 22°, 45°)
- Aligning module to re-aligning the inner and outer parts of the torch head separately.

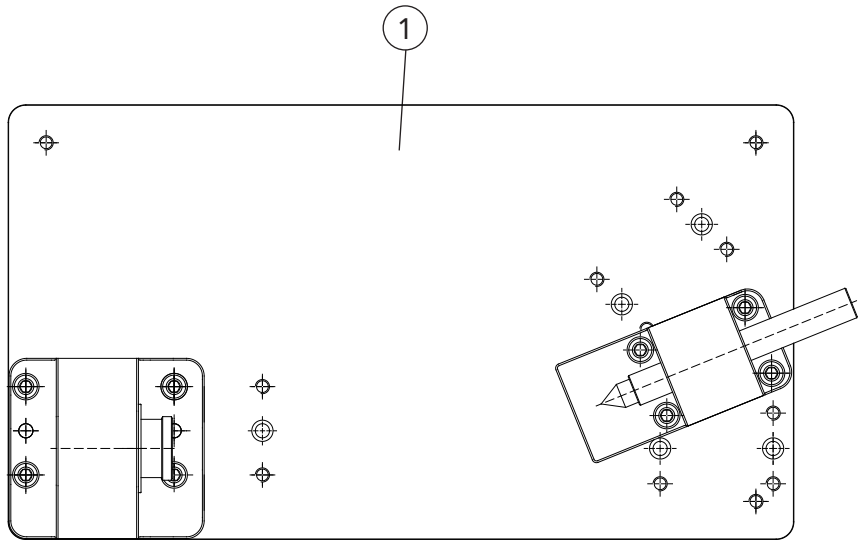
Aligning module DIX JM 100 (left) and aligning set DIX JS 390/590 (right)

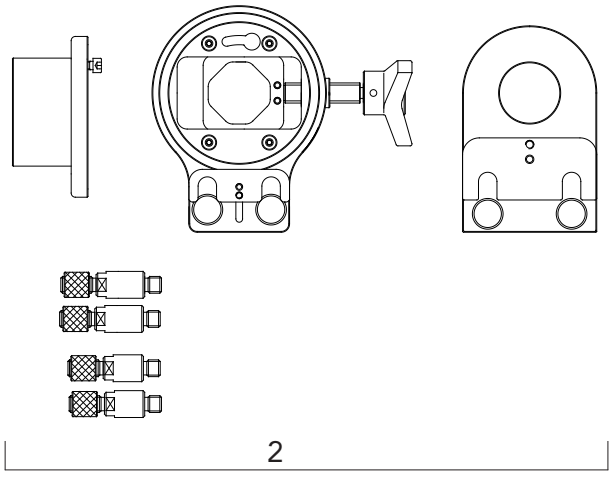
Application

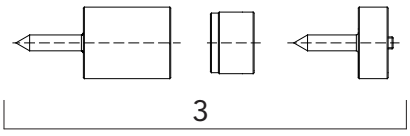
- For DINSE standard torch heads
  gas cooled
  DIX MET 390/392/394
  liquid cooled
  DIX METZ 590/592/594
- Quality assurance in welding production

Checking jig with torch head and aligning module (application sample)

Checking and aligning system for standard torch heads
For robotic and automatic components
MIG/MAG





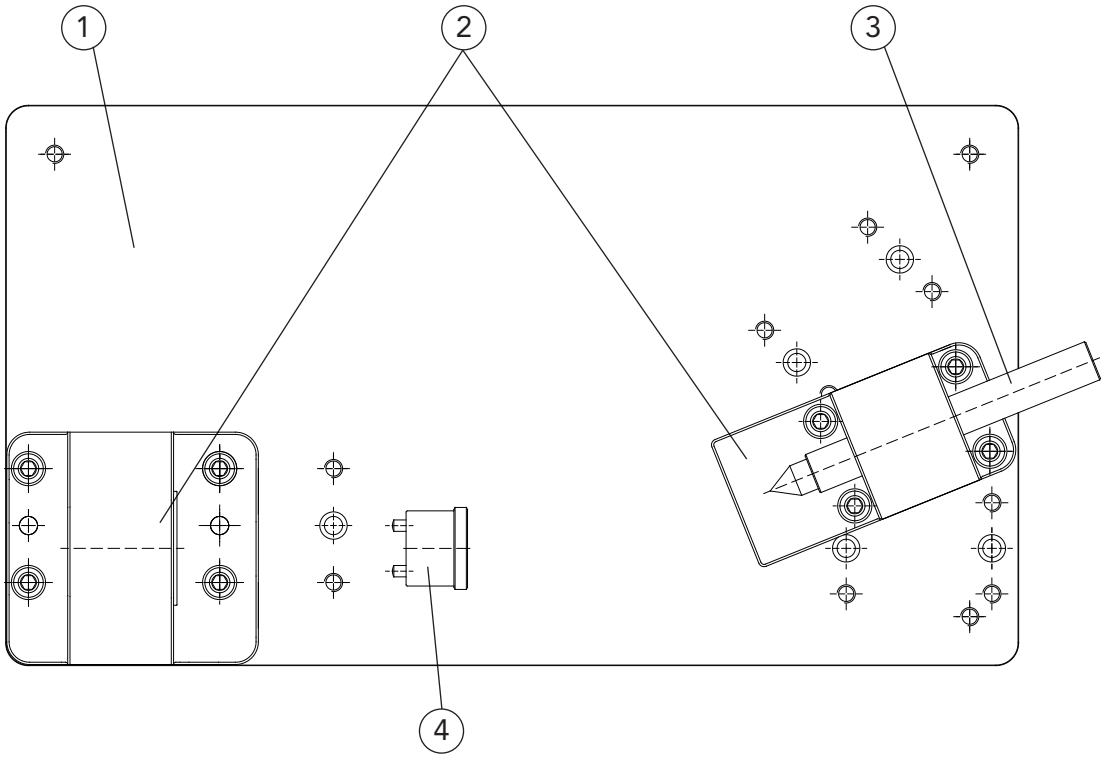


	Description	Part name	Part number
1	Checking jig, compl. With torch adapter DIX PVP 100, support set DIX PVS 100 and set up pin DIX PVL 106, DIX PVL 108	DIX PV 150	685300151
2	Aligning module, compl.	DIX JM 100	685305100
3	Aligning set, 390/590	DIX JS 390/590	685305230

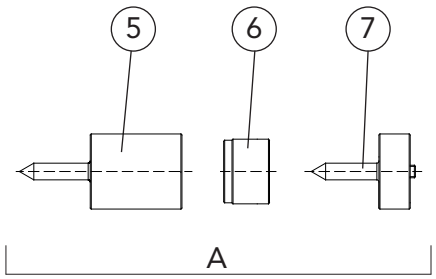
► Variants deviating of the standard fittings on request.

Checking jig PV 150, Aligning set JS 390/590
Checking and aligning system for standard torch heads MIG/MAG

Spare parts and wear parts



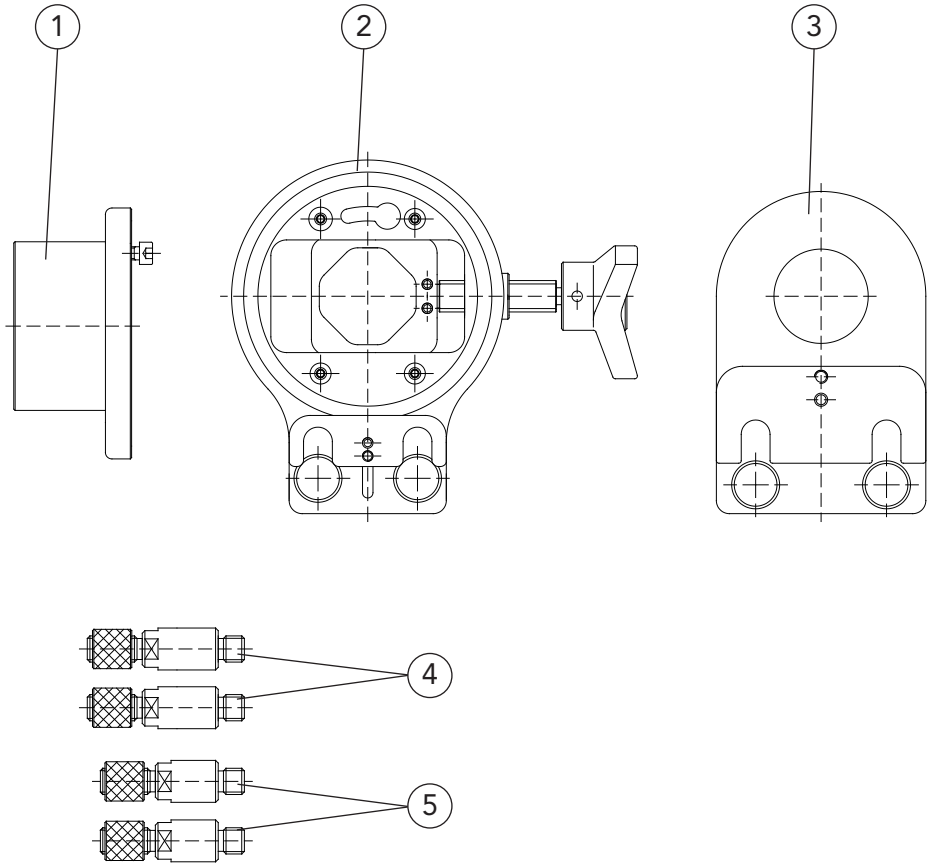
	Description	Part name	Part number
1	Base plate	DIX PVB 150	685301151
2	Support set Fixing and gauge support	DIX PVS 100	685302105
3	Set up pin For contact tips with outside diameter: 6 mm	DIX PVL 106	685302115
	Set up pin For contact tips with outside diameter: 8 mm	DIX PVL 108	685302114
4	Torch adapter	DIX PVP 100	685303112



	Description	Part name	Part number
A	Aligning set	DIX JS 390/590	685305230
5	Aligning cylinder	DIX JSZ 104	685305201
6	Aligning adapter	DIX JSA 101	685305212
7	Aligning gauge	DIX JSL 107	685305223

Aligning modul JM 100
Checking and aligning system for standard torch heads
MIG/MAG

Spare parts and wear parts



	Description	Part name	Part number
1	Aligning socket	DIX JB 100	685305130
2	Aligning tool	DIX JW 100	685305110
3	Aligning bracket	DIX JH 100	685305120
4	Aligning pin - W	DIX JBW 100	685305140
5	Aligning pin - H	DIX JBH 100	685305150

Checking jig for torch systems PV 200
For robotic and automatic components
MIG/MAG

Technical data:	
Checking jig	**PV 200**
TCP for torch heads, 45° without offset, with shock sensor DIX SAS 100/200: 400 mm to robotic flange	

Checking jig DIX PV 200

Advantage

- Precise checking jig for position control of the TCP, made of an high grade aluminium alloy for a long lifetime
- Checking of the standard torch heads concerning parallelism and center of contact tip with complete system of torch set, torch bracket and shock sensor
- Bore pattern in the checking jig with standard positions for torch heads, (0°, 22°, 45°)

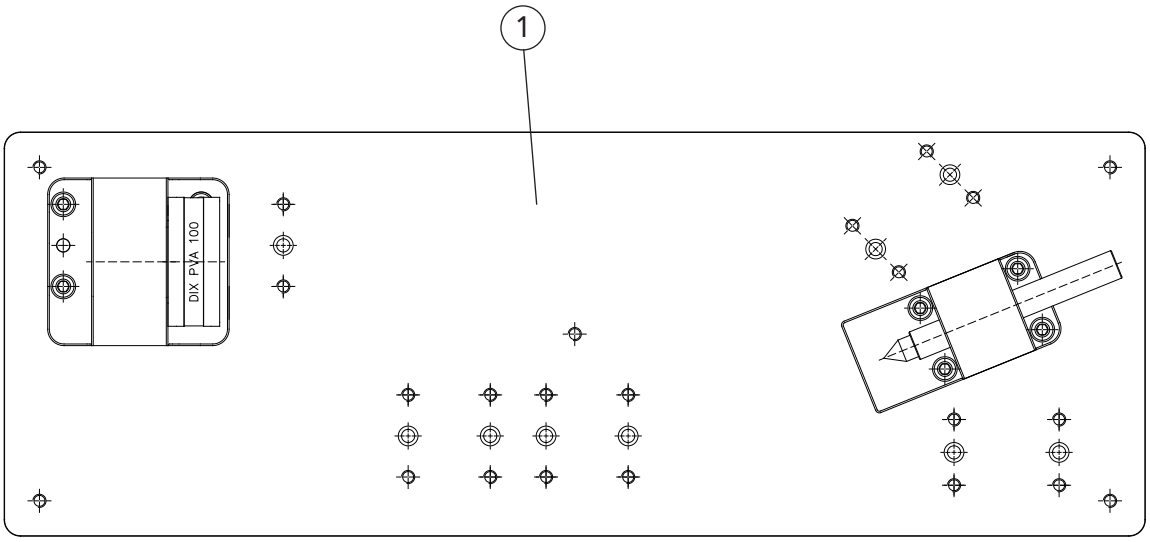
Checking jig with complete torch system, separable, torch bracket, fixed and shock sensor DIX SAS 100 (application sample)

Application

- For DINSE standard torch heads
  gas cooled
  DIX MET 350/352/354
  liquid cooled
  DIX METZ 520/522/524
  DIX METZ 540/542/544
  DIX METZ 560/562/564
  DIX METZ 570/572/574
- Quality assurance in welding production

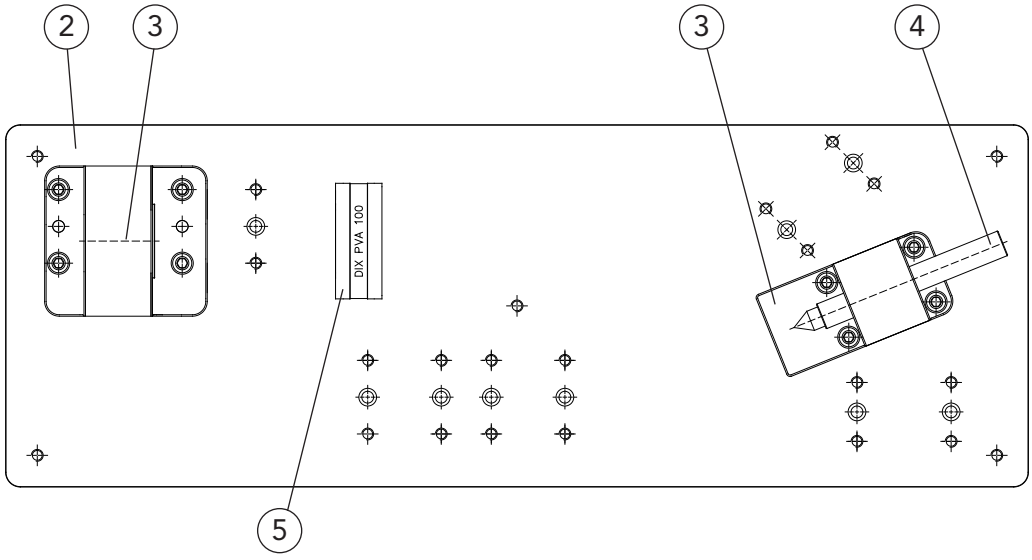
Checking jig with complete torch system, double separable, torch bracket, PUSH-PUSH/PUSH-PULL and shock sensor DIX SAS 200 (application sample)

Checking jig for torch systems PV 200
For robotic and automatic components
MIG/MAG



	Description	Part name	Part number
1	Checking jig, compl. With SAS adapter DIX PVA 100, support set DIX PVS 100 and set up pins DIX PVL 106, DIX PVL 108	DIX PV 200	685300201

▶ Variants deviating of the standard fittings on request.



	Description	Part name	Part number
	Spare parts and wear parts		
2	Base plate	DIX PVB 200	685301201
3	Support set Fixing and gauge support	DIX PVS 100	685302105
4	Set up pin For contact tips with outside diameter: 6 mm	DIX PVL 106	685302115
	Set up pin For contact tips with outside diameter: 8 mm	DIX PVL 108	685302114
5	SAS adapter	DIX PVA 100	685303160

Checking jig for torch systems PV 250
For robotic and automatic components
MIG/MAG

Technical data:	
Checking jig	**PV 250**
TCP for torch heads, 45° with shock sensor DIX SAS 100/200: 441 mm to robotic flange	

Checking jig DIX PV 250

Advantage

- Precise checking jig for position control of the TCP, made of an high grade aluminium alloy for a long lifetime
- Checking of the standard torch heads concerning parallelism and center of contact tip with complete system of torch set, torch bracket and shock sensor
- Bore pattern in the checking jig with standard positions for torch heads, (0°, 22°, 45°)

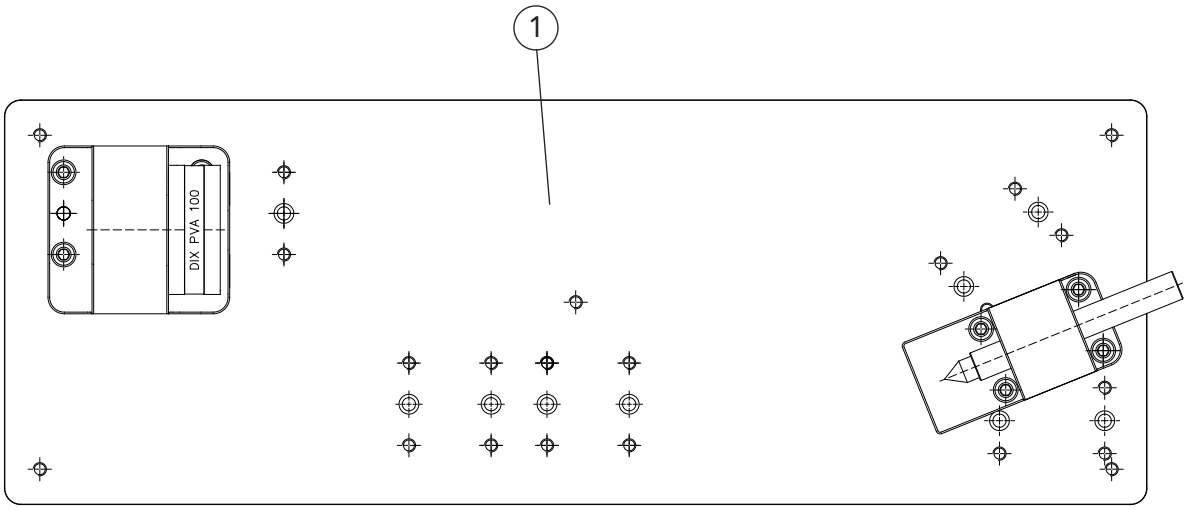
Checking jig with complete torch system, separable, torch bracket, fixed and shock sensor DIX SAS 100 (application sample)

Application

- For DINSE standard torch heads
  gas cooled
  DIX MET 390/392/394
  liquid cooled
  DIX METZ 590/592/594
- Quality assurance in welding production

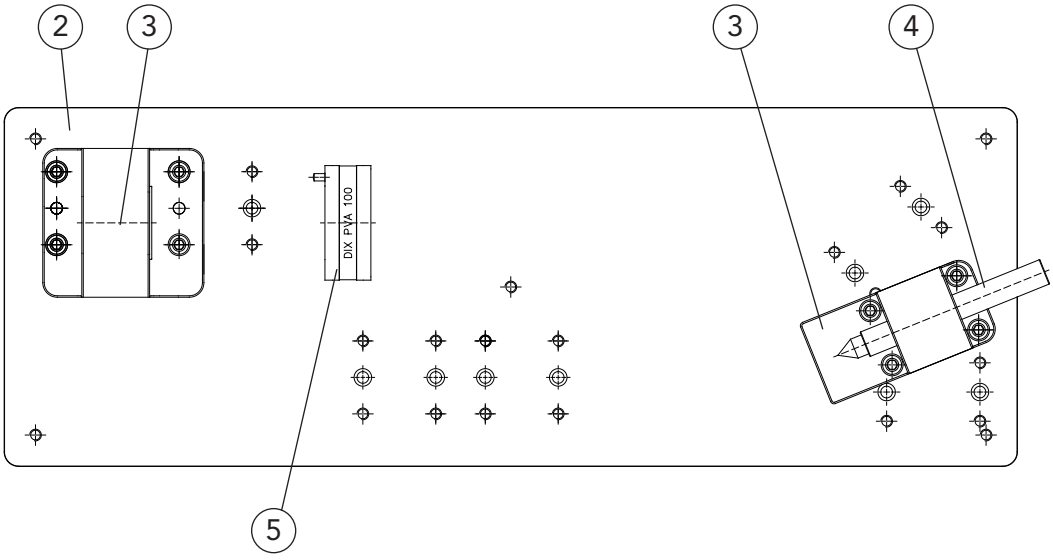
Checking jig with complete torch system, double separable, torch bracket, PUSH-PUSH/PUSH-PULL and shock sensor DIX SAS 200 (application sample)

Checking jig for torch systems PV 250
For robotic and automatic components
MIG/MAG



	Description	Part name	Part number
1	Checking jig, compl. With SAS adapter DIX PVA 100, support set DIX PVS 100 and set up pins DIX PVL 106, DIX PVL 108	DIX PV 250	685300251

- Variants deviating of the standard fittings on request.



	Description	Part name	Part number
2	Base plate	DIX PVB 250	685301251
3	Support set Fixing and gauge support	DIX PVS 100	685302105
4	Set up pin For contact tips with outside diameter: 6 mm	DIX PVL 106	685302115
	Set up pin For contact tips with outside diameter: 8 mm	DIX PVL 108	685302114
5	SAS adapter	DIX PVA 100	685303160

Tools and accessories 05

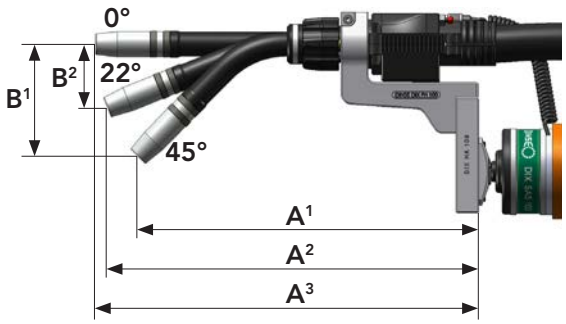
Contents

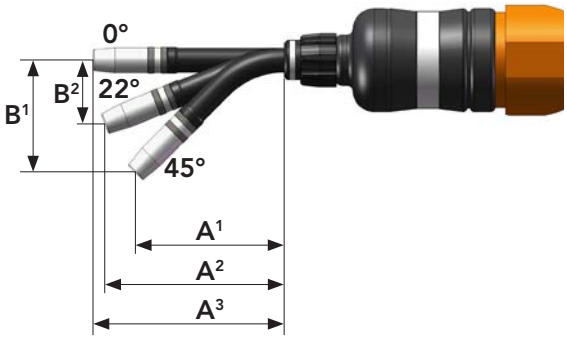
Dimensions sheet

TCP Dimensions sheet
For torch heads MIG/MAG automation standard, ECO.torch and REVO.torch gas/liquid 44

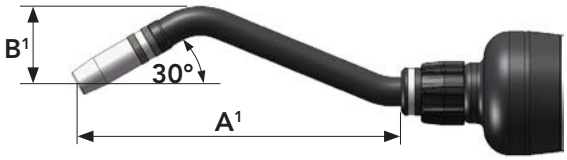
TCP Dimensions

Torch heads MIG/MAG automation standard, ECO.torch and REVO.torch





Dual curved torch heads



TCP dimensions for torch heads at standard robotic applications with bracket DIX PHF 100

Torch head	A¹	A²	A³	B¹	B²
MET 35x	316.2	344.1	355.0	102.2	57.9
MET 39x	357.0	371.2	375.3	47.4	21.3
MET 32xx	320.5	348.1	359.0	102.5	58.0
MET 37xx	320.5	348.1	359.0	102.5	58.0
MET 39xx	361.0	375.2	379.3	48.0	22.1
METZ 52x	316.2	344.1	355.0	102.2	57.9
METZ 59x	357.0	371.2	375.3	48.0	22.1
METZ 54x	316.2	344.1	355.0	102.2	57.9
METZ 56x	316.9	345.1	356.0	102.9	58.2
METZ 57x	316.9	345.1	356.0	102.9	58.2
METZ 58xx	386.0	401.3	406.0	52.8	24.9

TCP dimensions for torch heads at hollow shaft robitic application with rotary interface ECO.torch or REVO.torch

Torch head	A¹	A²	A³	B¹	B²
MET 35x	141.2	169.1	180	102.2	57.9
METR 35x	176.7	204.6	215.5	102.2	57.9
MET 39x	182.0	196.2	200.3	47.4	21.3
METR 39x	217.5	231.7	235.8	47.4	21.3
MET 32xx	145.5	173.1	184.0	102.5	58.0
MET 37xx	145.5	173.1	184.0	102.5	58.0
MET 39xx	186.0	200.2	204.3	48.0	22.1
METZ 52x	141.2	169.1	180.0	102.2	57.9
METZ 59x	182.0	196.2	200.3	48.0	22.1
METZ 54x	141.2	169.1	180.0	102.2	57.9
METZ 56x	141.9	170.1	181.0	102.9	58.2
METZ 57x	141.9	170.1	181.0	102.9	58.2
METZ 58xx	211.0	226.3	231.0	52.8	24.9
Dual curved torch heads					
METR 358*	279.5			56.6	
METR 398*	279.5			43.4	
METZ 528*	244.0			57.3	
METZ 598*	244.0			43.4	
METZ 548*	244.0			61.9	
METZ 568*	244.0			70.4	
METZ 578*	244.0			60.8	

All length designation in mm.

* The center point of the sixth robot axis will be cut with a stickout of 15 mm.