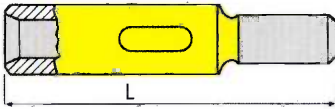


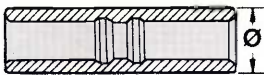
Auxiliary tools

Crossover adapter



Thread		Length		Diameter		Product No.	Product code	Weight approx. kg
Female	Male	mm	inch	mm	inch			
R25	R32	185	7¼	45	1¾	90580107	302-2045-03,00	1.3
R32	R38	210	8¼	45	1¾	90500722	303-2045-04,00	1.5
R32	T38	220	8⅝	45	1¾	90504217	303-2045-35,00	1.5
R38	R32	245	9⅝	55	2⅝ ₃₂	90900015	304-2055-03,00	2.2
R38	T38	245	9⅝	55	2⅝ ₃₂	90504088	304-2057-35,00	2.4
T38	R32	247	9¾	57	2¼	90503703	335-2057-03,00	2.2
T38	R38	280	11	57	2¼	90500807	335-2057-04,00	2.7
T38	T45	285	11¼	57	2¼	90503941	335-2057-36,00	2.9
T45	T38	260	10¼	63	2⅝ ₃₂	90504244	336-2063-35,00	2.9
T45	T51	285	11¼	63	2⅝ ₃₂	90503942	336-2063-37,00	3.6
T51	T45	285	11¼	71	2⅝ ₃₂	90504330	337-2071-36,00	4.0

Crossover coupling



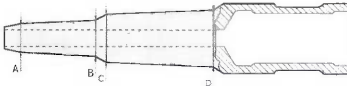
Thread	Length		Diameter		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch			
R25-R32	160	6⅝ ₁₆	44	1 ²³ / ₃₂	90003109	302-1044-03,00	1.2
R28-R32	160	6⅝ ₁₆	44	1 ²³ / ₃₂	90003108	307-1044-03,00	1.2
R32-R38	170	6¾	55	2⅝ ₃₂	90000847	303-1055-04,00	2.0
R32-T38	170	6¾	55	2⅝ ₃₂	90002533	303-1055-35,00	2.0
R38-T38	180	7⅞	55	2⅝ ₃₂	90002238	304-1055-35,00	1.9
T38-T45	180	7⅞	60	2⅝ ₈	90503898	335-1061-36,00	2.3
T45-T51	225	8⅞	72	2 ²⁷ / ₃₂	90501060	336-1072-37,00	4.0
T38-TC45	175	6⅞	55	2⅝ ₃₂	90515632	335-1055-70,00	1.8

Recovery pike



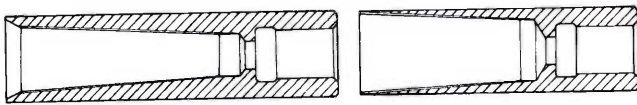
Thread		Product No.	Product code		Weight approx. kg
mm	inch		Rope thread	T thread	
32	1¼	90000331	9002,49		0.5
38	1½	90001971		9250,49	1.0
45	1¾	90002079		9253,49	1.3
51	2	90002872		9265,49	2.3

Recovery pike



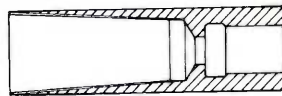
API Reg. Pin	A		B		C		D		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch	mm	inch	mm	inch			
For TDS tubes											
ST58	22	7/8	29	1 5/32	50	1 31/32	59	2 5/16	94000061	9268,49	4.5
ST68	18	23/32	43	1 1/16	60	2 3/8	71	2 25/32	90510783	9277,49	7.7

Recovery sleeve



Thread	Outer diam.		Product No.	Product code		Weight approx. kg
	mm	inch		Rope thread	T thread	
For extension rods						
R32	32	1 1/4	90510880	9041,49		1.7
R/T38	38	1 1/2	90510881	9042,49		3.1
R/T38	38	1 1/2	90510882		9043,49	2.1
T45	45	1 3/4	90510883		9044,49	5.8
T51	51	2	90510884		9045,49	8.3
For couplings						
32	44	1 23/32	90510880	9041,49		1.7
45	63	2 15/32	90510883		9044,49	5.8
51	72	2 27/32	90510884		9045,49	8.3
For Speedrods						
45	65	2 9/16	90510883		9044,49	5.8
51	72	2 27/32	90510884		9045,49	8.3

Recovery sleeve for TDS tubes



Thread	Tube OD		D		Product No.	Product code	Weight approx. kg
	mm	inch	mm	inch			
For TDS tubes							
ST58	76	3	80	3 5/32	94000012	9269	4.9

Rod wrench



9061



9066

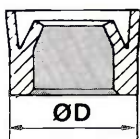


9092, 9093, 9094

Rod dimension	Product No.	Product code	Weight approx. kg
22 mm (7/8") hex.	90000359	9061,49	4.5
22 mm (7/8") hex., Integrals	90000879	9066,49	1.8
25 mm (1") hex., Ø 32 mm (1 1/4")	90002028	9092,49	3.0
32 mm (1 1/4") hex., Ø 38 mm (1 1/2")	90002029	9093,49	3.6
38 mm (1 1/2") hex., Ø 45 mm (1 3/4")	90002030	9094,49	3.7

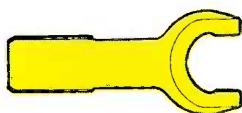
Auxiliary tools

Shank seal



Tube diameter		Outer diameter		Product No.	Product code
mm	inch	mm	inch		
5	3/16	10	13/32	90002182	9232
6.5	1/4	9.3	23/64	90002047	9159-06
8	5/16	14	9/16	90000378	9150-08
8	5/16	16	5/8	90002572	9151-08
10	13/32	17	21/32	90002571	9151-10
12.7	1/2	22	7/8	90002587	9152-12
16	5/8	22	7/8	90001709	9153-16
14.3	9/16	22	7/8	90000466	9156-14
19	3/4	27	1 1/16	90002008	9158-19
23	29/32	34	1 11/32	90504645	9158-23

Thread wear gauge



Rope thread		Product No.	Product code	Weight approx. kg
mm	inch			
For extension rods				
25	1	90000367	9121,49	0.4

Thread grease



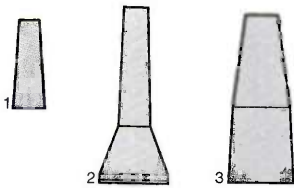
Acinol grease	Product No.	Product code
4.5 kg (10 lbs) package	90000382	9201,49
18 kg (40 lbs) package	90002915	9210,49
50 kg (110 lbs) package	90503915	9200,49

Chuck bushing gauge



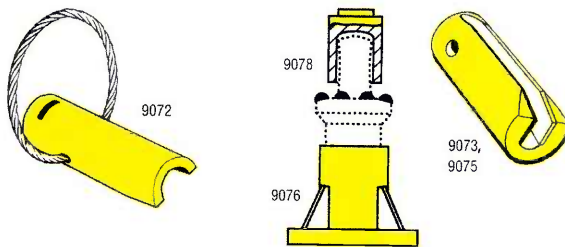
Bushing		Product No.	Product code
mm	inch		
19	3/4	90002667	9131
22	7/8	90002668	9132
25	1	90002669	9133

Plastic blast hole plug



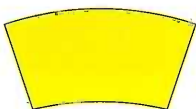
Illustr. No.	Hole diameter		Product No.	Product code
	mm	inch		
1	30-40	1 ³ / ₁₆ -1 ⁹ / ₁₆	90000328	9202
	40-50	1 ⁹ / ₁₆ -1 ³¹ / ₃₂	90000329	9203
2	50-75	1 ³¹ / ₃₂ -2 ¹⁵ / ₁₆	90000397	9204
	51	2	90003211	9207
	64	2 ¹ / ₂	90002315	9205
3	76	3	90503386	9208
	75-120	2 ¹⁵ / ₁₆ -4 ³ / ₄	90003083	9206

Knock-off tool



Rod diam. hex.		Product No.	Product code	Weight approx. kg
mm	inch			
Pilot rod				
-	-	90000318	9072,49	4.6
Pilot adapter				
-	-	90000928	9076,49	6.6
-	-	90000930	9078,49	2.1
Tapered rod				
22	⁷ / ₈	90504619	9073,49	1.1
25	1	90504620	9075,49	1.0

Shim



Description	Product No.	Product code
Shim for 7° taper and 12° taper	90503908	9162,49